

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
 Data File : VW027002.D
 Acq On : 07 Sep 2023 14:13
 Operator : SY/MD
 Sample : 04330-07
 Misc : 5.26g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYX8

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Title : SFAM01.0

Signal : TIC: VW027002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.960	8	12	24	rVB2	63407	116199	7.06%	0.391%
2	2.222	50	55	57	rBV6	14185	26543	1.61%	0.089%
3	2.363	69	78	88	rBV2	87766	246862	15.01%	0.831%
4	2.454	89	93	97	rBV3	10432	18668	1.13%	0.063%
5	2.570	108	112	116	rBV6	12514	24813	1.51%	0.083%
6	2.893	158	165	178	rVB	68516	195107	11.86%	0.656%
7	3.381	238	245	256	rBV3	14840	50433	3.07%	0.170%
8	4.021	338	350	361	rVV	116285	416626	25.33%	1.402%
9	4.118	361	366	380	rVB	32555	90980	5.53%	0.306%
10	4.381	399	409	424	rVV2	54861	181510	11.03%	0.611%
11	4.923	490	498	510	rVV3	18640	79516	4.83%	0.268%
12	5.789	628	640	647	rBV4	12813	45196	2.75%	0.152%
13	5.947	654	666	674	rBV6	8721	29498	1.79%	0.099%
14	7.081	843	852	858	rBV2	57839	163072	9.91%	0.549%
15	7.167	858	866	879	rVB4	69088	223954	13.61%	0.753%
16	7.648	934	945	957	rBV	295937	732842	44.55%	2.466%
17	8.154	1021	1028	1035	rBV8	11263	24100	1.47%	0.081%
18	8.276	1039	1048	1065	rBV2	544128	1644948	100.00%	5.534%
19	8.569	1089	1096	1104	rVB5	12099	32857	2.00%	0.111%
20	8.697	1108	1117	1126	rBV6	13085	32519	1.98%	0.109%
21	8.843	1132	1141	1153	rBV	678382	1317757	80.11%	4.434%
22	9.093	1171	1182	1188	rBV3	42277	94873	5.77%	0.319%
23	9.276	1202	1212	1218	rBV	413831	838647	50.98%	2.822%
24	9.331	1218	1221	1227	rVB2	43434	78966	4.80%	0.266%
25	9.752	1284	1290	1297	rVB5	13461	27610	1.68%	0.093%
26	9.953	1318	1323	1327	rBV2	18980	37486	2.28%	0.126%
27	10.038	1330	1337	1342	rVV	121257	213677	12.99%	0.719%
28	10.087	1342	1345	1351	rVB3	16031	31781	1.93%	0.107%
29	10.325	1375	1384	1391	rBV	634371	1189884	72.34%	4.003%
30	10.386	1392	1394	1401	rVB	42578	63370	3.85%	0.213%
31	10.501	1406	1413	1420	rVB3	43510	91432	5.56%	0.308%
32	10.581	1420	1426	1430	rBV2	68563	122574	7.45%	0.412%
33	10.666	1435	1440	1450	rVB2	45336	90197	5.48%	0.303%
34	10.758	1450	1455	1461	rBV5	19587	39819	2.42%	0.134%
35	10.843	1466	1469	1475	rVB4	12765	19858	1.21%	0.067%
36	10.928	1475	1483	1491	rBV3	160542	305471	18.57%	1.028%

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 Title : SFAM01.0

37	11.032	1496	1500	1503	rBV2	18618	32513	1.98%	0.109%
38	11.178	1515	1524	1528	rBV	96748	162019	9.85%	0.545%
39	11.227	1528	1532	1538	rVB	100000	171955	10.45%	0.579%
40	11.282	1538	1541	1545	rVB3	17042	21589	1.31%	0.073%
41	11.337	1545	1550	1554	rBV2	43560	67801	4.12%	0.228%
42	11.410	1554	1562	1563	rBV3	47683	96295	5.85%	0.324%
43	11.507	1573	1578	1584	rBV	70265	121560	7.39%	0.409%
44	11.629	1591	1598	1608	rBV	713988	1189904	72.34%	4.003%
45	11.727	1608	1614	1618	rBV2	118801	202126	12.29%	0.680%
46	11.837	1623	1632	1636	rBV	230357	512334	31.15%	1.724%
47	11.971	1650	1654	1658	rBV3	21358	41078	2.50%	0.138%
48	12.044	1661	1666	1673	rVB4	30117	82425	5.01%	0.277%
49	12.160	1673	1685	1693	rBV3	254285	816229	49.62%	2.746%
50	12.251	1693	1700	1704	rVB2	144616	259369	15.77%	0.873%
51	12.361	1704	1718	1725	rBV3	295482	1180750	71.78%	3.973%
52	12.465	1730	1735	1739	rBV3	107423	218419	13.28%	0.735%
53	12.538	1744	1747	1755	rVB3	145515	320682	19.49%	1.079%
54	12.617	1755	1760	1762	rBV4	44121	72080	4.38%	0.243%
55	12.647	1762	1765	1767	rBV	47327	50049	3.04%	0.168%
56	12.690	1767	1772	1781	rBV	382029	685509	41.67%	2.306%
57	12.775	1782	1786	1793	rVB3	251543	463285	28.16%	1.559%
58	12.861	1793	1800	1804	rBV5	144888	317901	19.33%	1.070%
59	12.940	1804	1813	1818	rBV5	309565	774125	47.06%	2.604%
60	12.989	1818	1821	1825	rVB3	100407	140288	8.53%	0.472%
61	13.038	1826	1829	1831	rBV4	17951	22028	1.34%	0.074%
62	13.080	1831	1836	1838	rBV3	97208	171266	10.41%	0.576%
63	13.160	1845	1849	1859	rVB3	306600	516174	31.38%	1.737%
64	13.251	1859	1864	1868	rBV	332900	530061	32.22%	1.783%
65	13.342	1875	1879	1881	rBV3	53695	85449	5.19%	0.287%
66	13.373	1881	1884	1889	rVV3	113952	190988	11.61%	0.643%
67	13.440	1889	1895	1899	rVV3	418955	828921	50.39%	2.789%
68	13.483	1899	1902	1910	rVV4	183654	393885	23.95%	1.325%
69	13.556	1910	1914	1916	rVV	345709	493108	29.98%	1.659%
70	13.580	1916	1918	1923	rVB	286062	387877	23.58%	1.305%
71	13.623	1923	1925	1927	rBV3	24250	21674	1.32%	0.073%
72	13.696	1932	1937	1941	rBV4	71501	124445	7.57%	0.419%
73	13.745	1941	1945	1949	rVB3	59229	76446	4.65%	0.257%
74	13.787	1949	1952	1956	rVB2	55396	76287	4.64%	0.257%
75	13.873	1957	1966	1971	rBV2	514985	1291997	78.54%	4.347%
76	13.915	1971	1973	1976	rVB2	40122	32140	1.95%	0.108%

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 Title : SFAM01.0

77	13.946	1976	1978	1981	rBV	40070	31995	1.95%	0.108%
78	14.007	1985	1988	1990	rBV2	135066	184799	11.23%	0.622%
79	14.086	1999	2001	2006	rVB3	160335	219060	13.32%	0.737%
80	14.202	2013	2020	2024	rBV2	447415	781492	47.51%	2.629%
81	14.251	2024	2028	2035	rVV4	195333	445412	27.08%	1.499%
82	14.336	2036	2042	2046	rVV3	284910	590129	35.88%	1.985%
83	14.385	2046	2050	2053	rVV3	376465	632583	38.46%	2.128%
84	14.415	2053	2055	2058	rVV2	160781	240781	14.64%	0.810%
85	14.452	2058	2061	2065	rVV	294265	416100	25.30%	1.400%
86	14.495	2065	2068	2071	rVV2	137917	182388	11.09%	0.614%
87	14.543	2071	2076	2083	rVB4	193640	427936	26.02%	1.440%
88	14.684	2096	2099	2102	rBV4	43506	74088	4.50%	0.249%
89	14.726	2102	2106	2111	rVV4	120254	186082	11.31%	0.626%
90	14.787	2111	2116	2121	rVV3	349634	719635	43.75%	2.421%
91	14.836	2121	2124	2131	rVB2	174642	336735	20.47%	1.133%
92	14.952	2140	2143	2149	rVB2	86576	128391	7.81%	0.432%
93	15.062	2156	2161	2165	rBV6	114627	230339	14.00%	0.775%
94	15.165	2173	2178	2187	rVB4	180661	443794	26.98%	1.493%
95	15.263	2188	2194	2198	rVB4	141709	302619	18.40%	1.018%
96	15.318	2198	2203	2209	rBV3	225176	385818	23.45%	1.298%
97	15.647	2250	2257	2264	rBV10	55898	178640	10.86%	0.601%
98	15.720	2266	2269	2276	rVB4	67617	118813	7.22%	0.400%
99	15.860	2288	2292	2296	rBV4	51220	85647	5.21%	0.288%
100	16.275	2355	2360	2369	rVB2	94129	196677	11.96%	0.662%

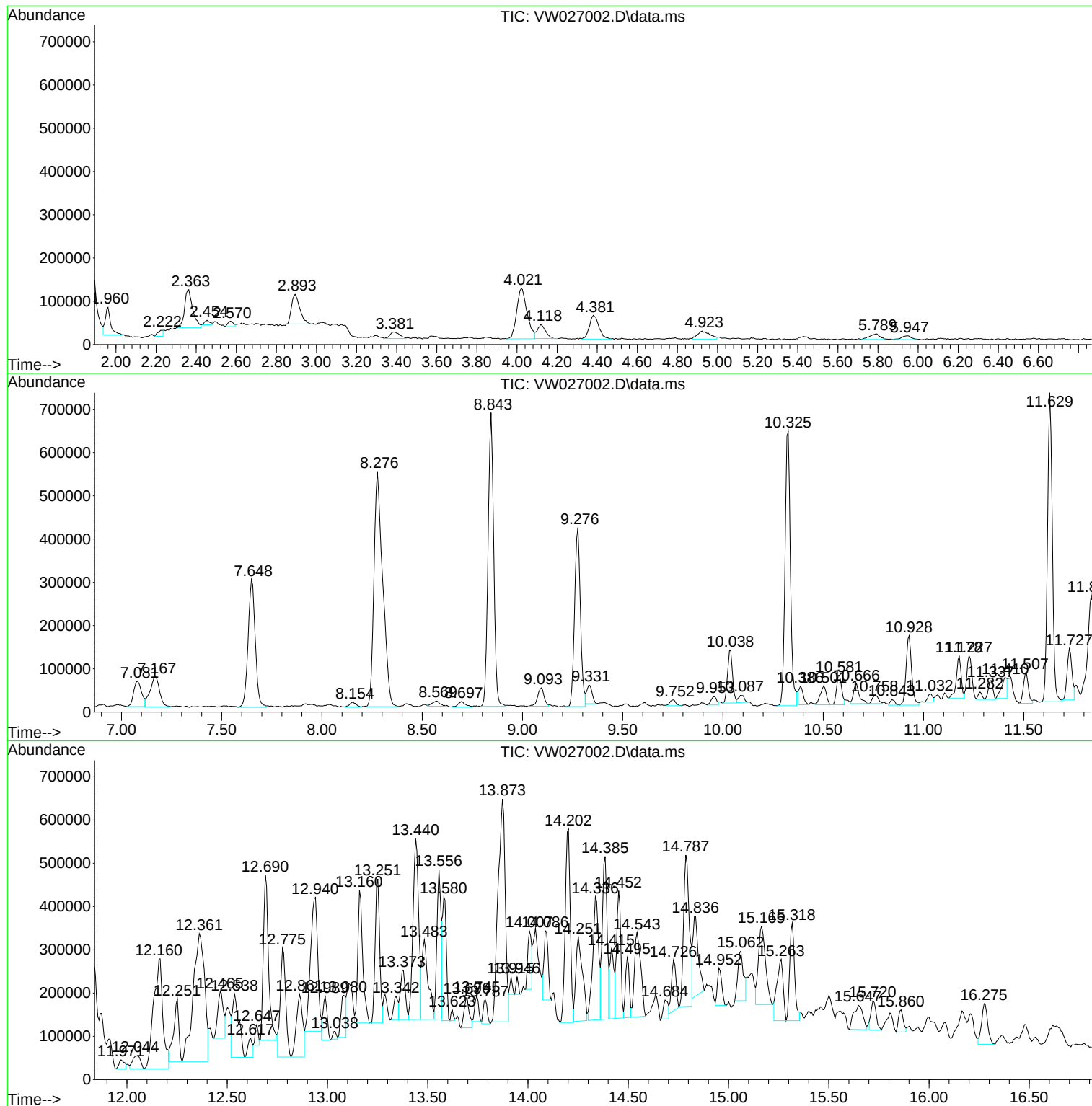
Sum of corrected areas: 29722629

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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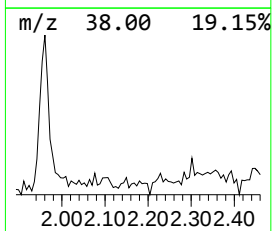
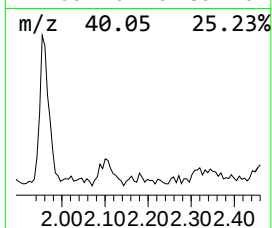
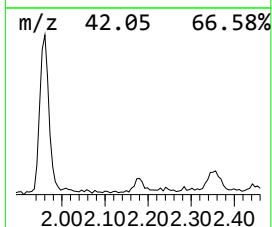
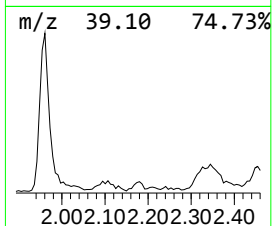
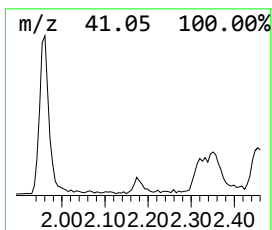
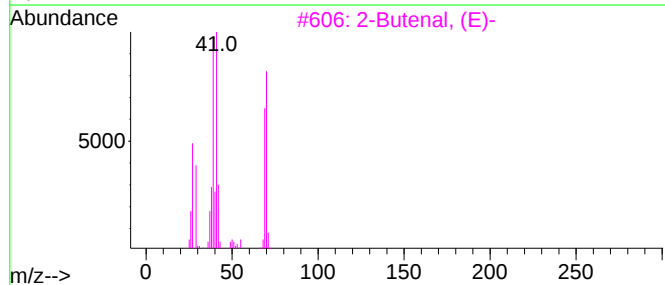
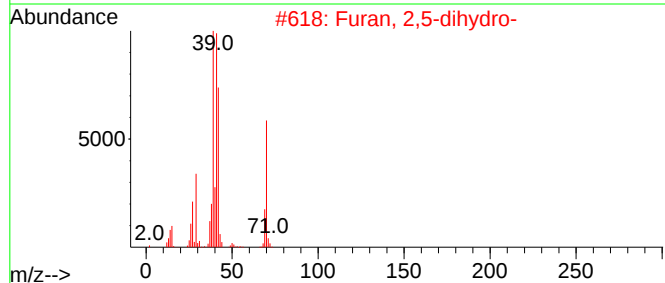
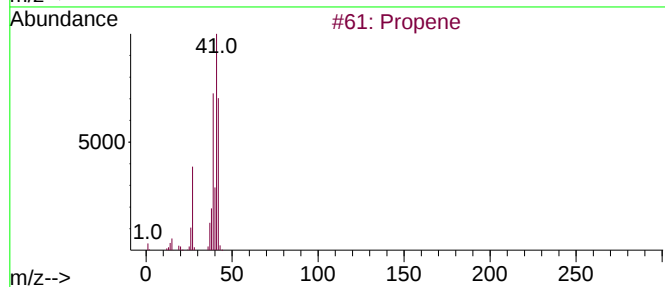
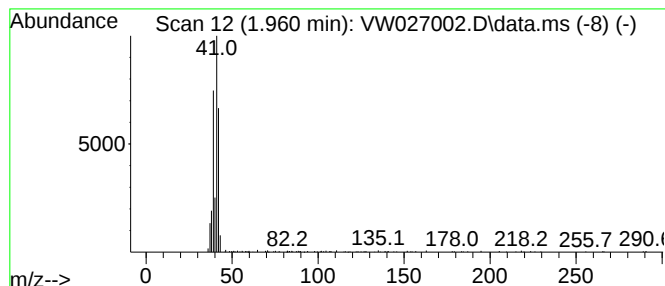
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.960	2.20 ug/L	116199	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	90
2			Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	83
3			2-Butenal, (E)-	70	C4H6O	000123-73-9	78
4			Aluminum, tripropyl-	156	C9H21Al	000102-67-0	74
5			Pyrimidin-4(3H)-one, 3-amino-2,6...	139	C6H9N3O	093098-74-9	64



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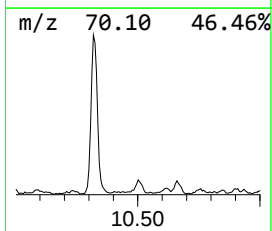
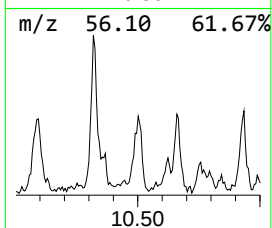
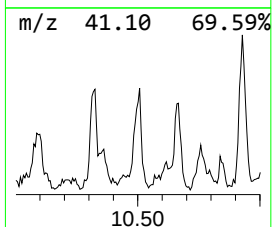
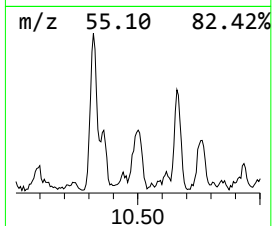
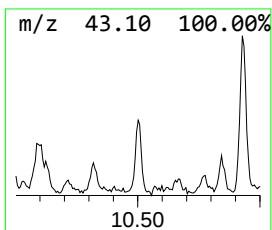
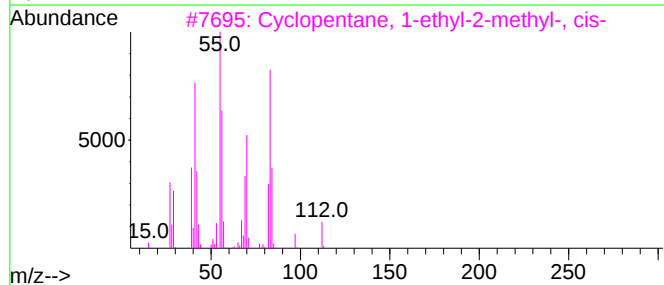
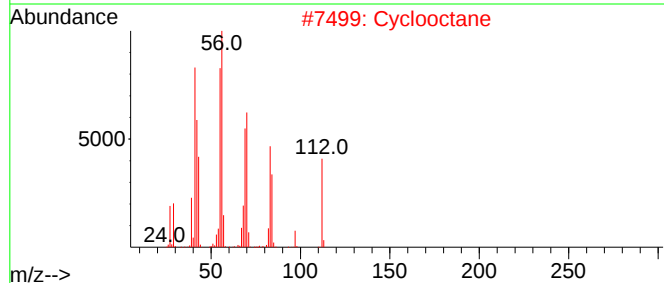
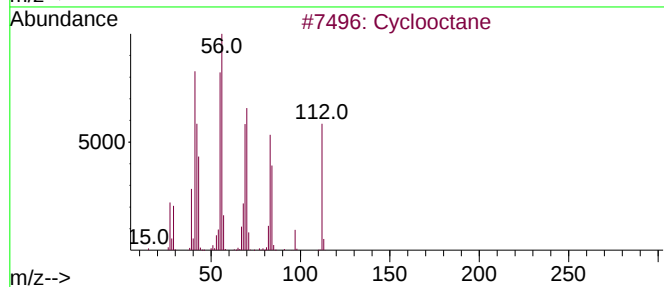
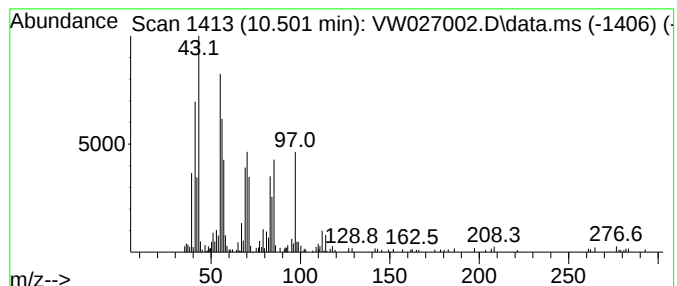
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Cyclic10.502 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	1.92 ug/L	91432	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane	112	C8H16	000292-64-8	55
2			Cyclooctane	112	C8H16	000292-64-8	49
3			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
4			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	43
5			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	41



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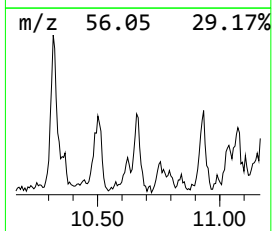
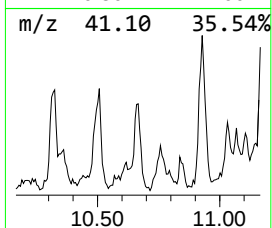
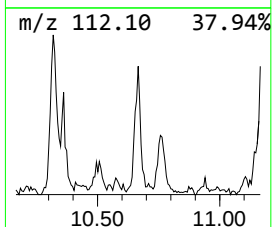
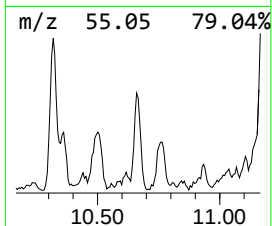
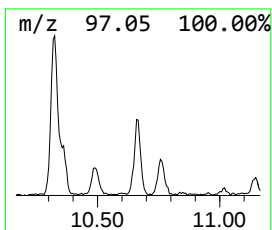
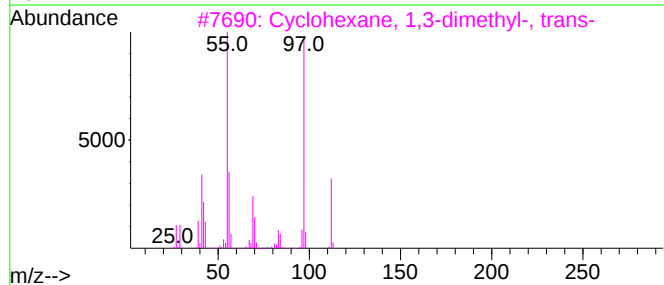
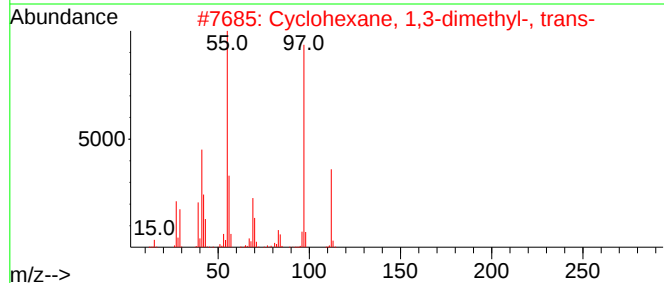
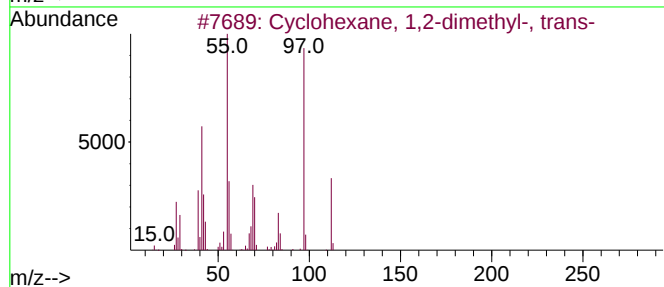
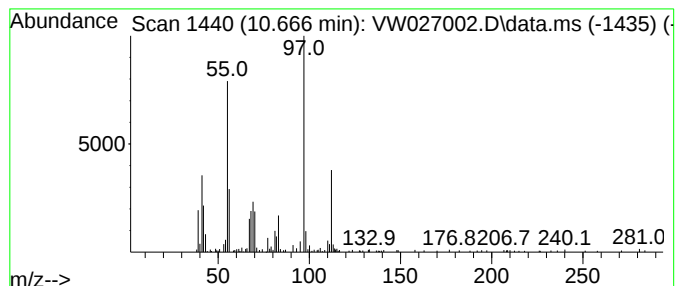
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Cyclic10.666 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.666	1.90 ug/L	90197	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

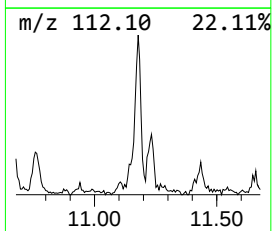
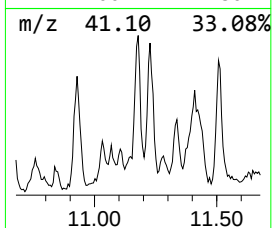
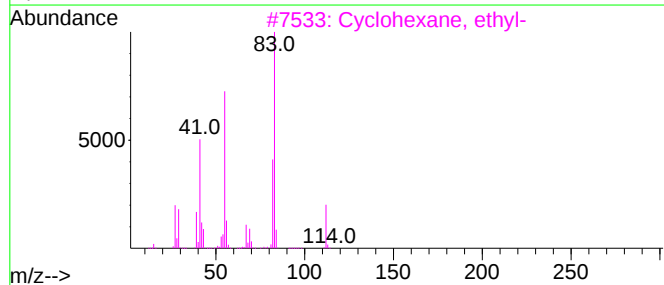
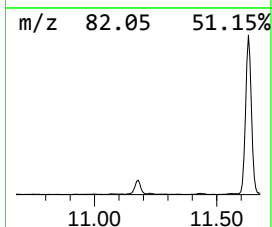
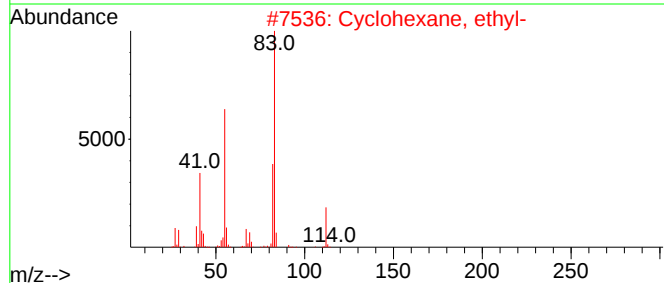
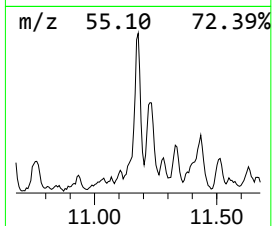
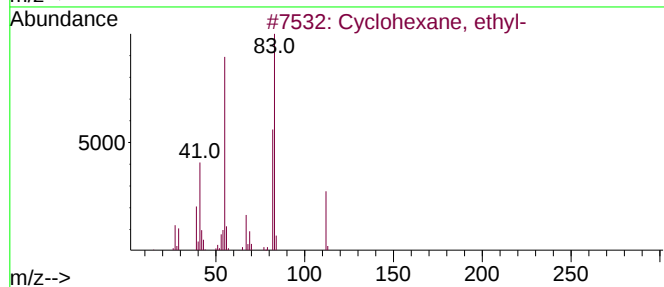
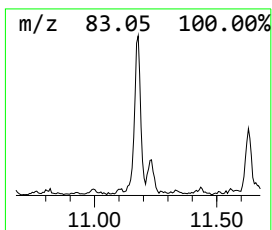
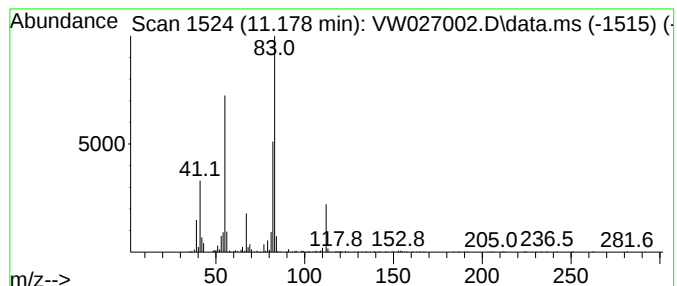
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ClientSampleId :
EZYX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Cyclic11.178 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.178	3.40 ug/L	162019	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-		112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-		112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-		112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-		112	C8H16	001678-91-7	83
5	Cyclohexane, propyl-		126	C9H18	001678-92-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

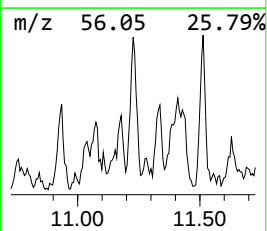
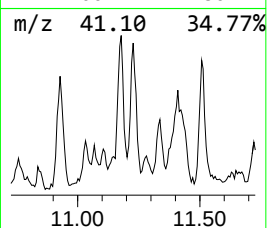
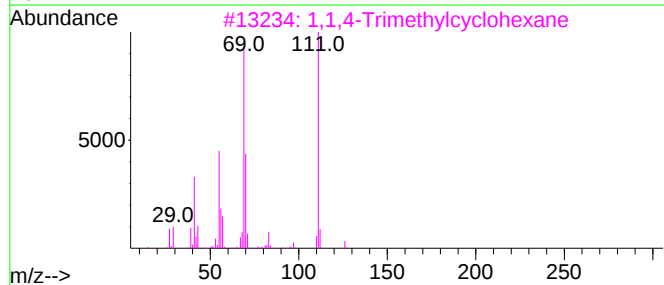
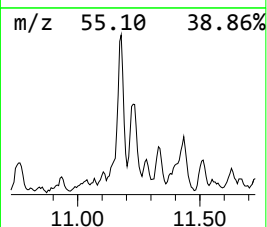
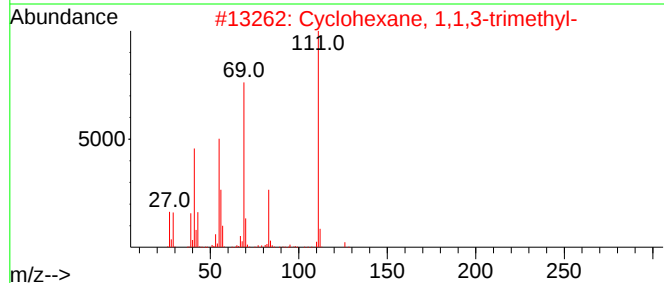
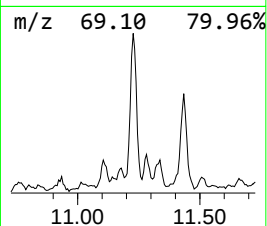
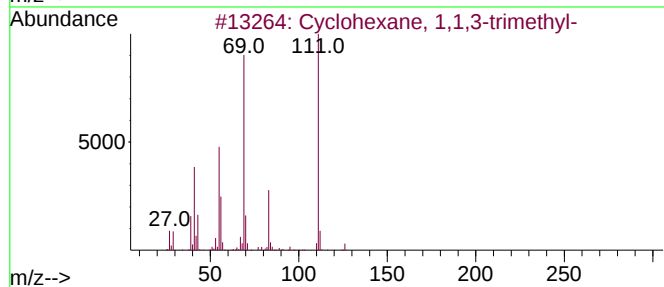
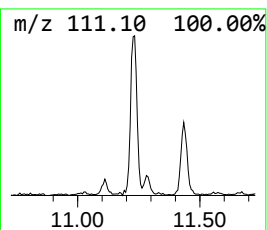
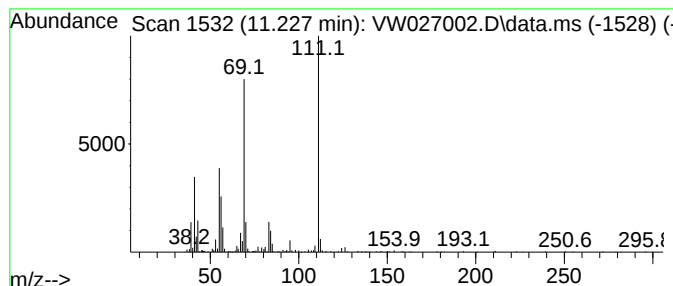
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Cyclic11.227 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.227	3.61 ug/L	171955	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	80
2	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	72
3	1,1,4-Trimethylcyclohexane		126	C9H18	007094-27-1	72
4	Cyclopentane, 1-butyl-2-ethyl-		154	C11H22	072993-32-9	58
5	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

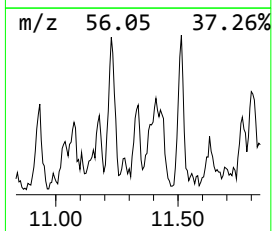
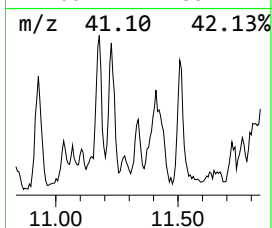
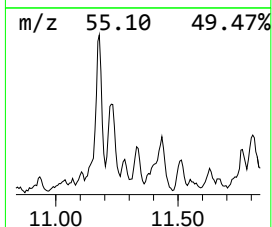
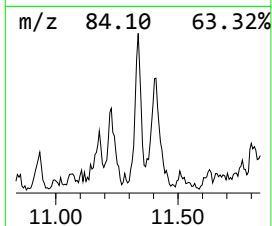
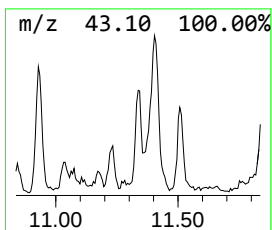
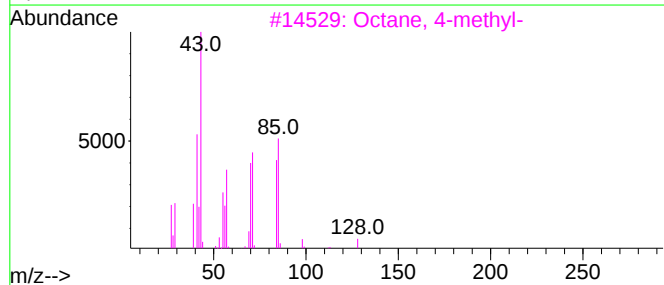
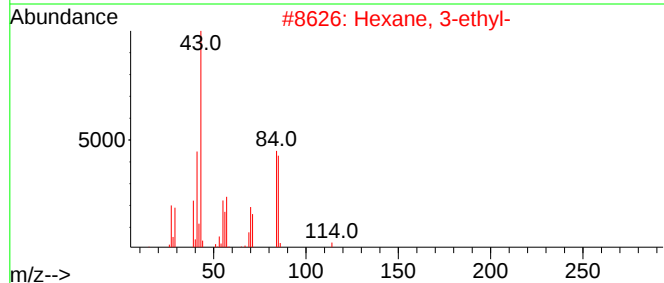
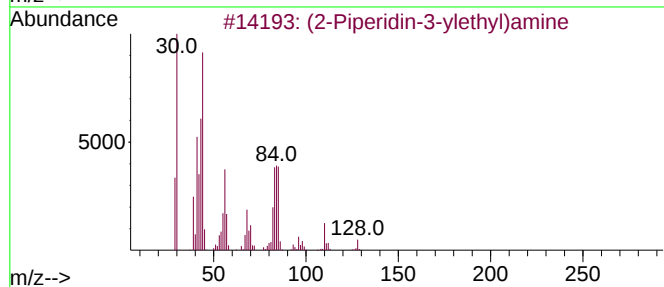
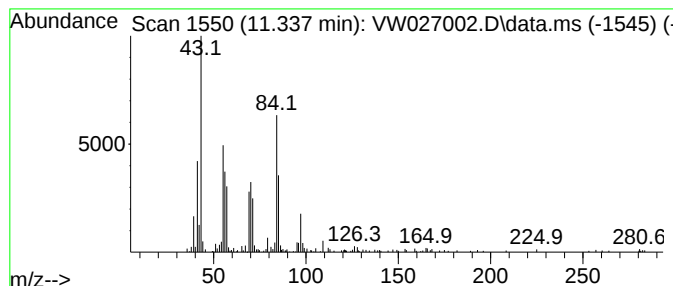
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (2-Piperidin-3-ylethyl)amine Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.337	1.42 ug/L	67801	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	(2-Piperidin-3-ylethyl)amine		128	C7H16N2	089850-94-2	64
2	Hexane, 3-ethyl-		114	C8H18	000619-99-8	59
3	Octane, 4-methyl-		128	C9H20	002216-34-4	52
4	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	50
5	4-Undecene, 7-methyl-		168	C12H24	076441-79-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

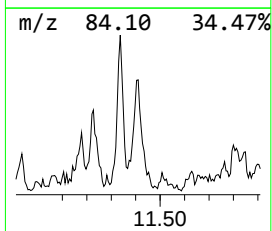
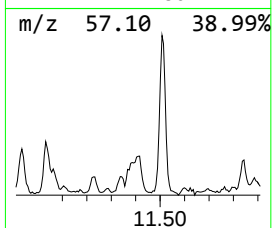
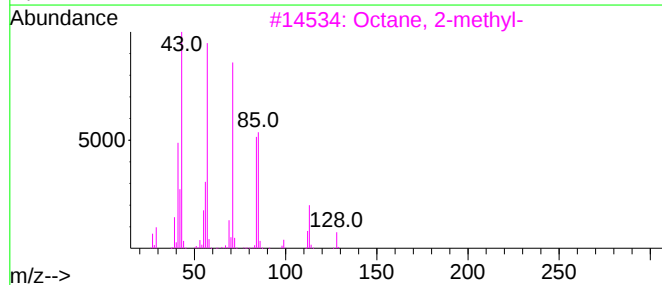
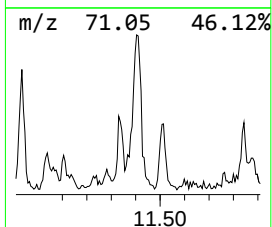
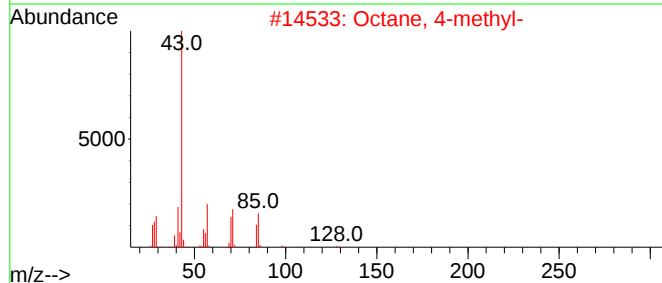
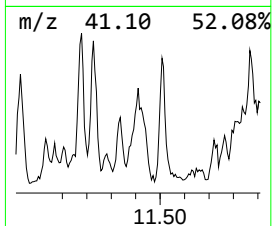
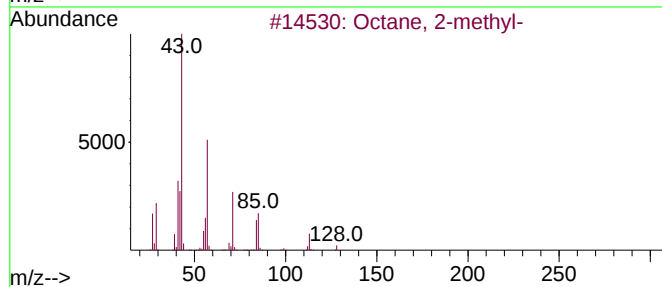
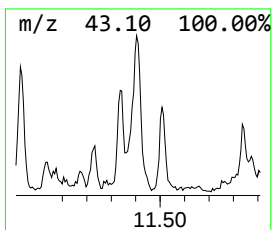
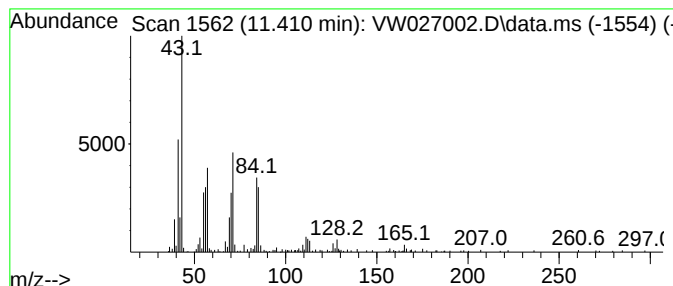
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.410	2.02 ug/L	96295	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-			128	C9H20	003221-61-2	64
2	Octane, 4-methyl-			128	C9H20	002216-34-4	59
3	Octane, 2-methyl-			128	C9H20	003221-61-2	52
4	Octane, 4-methyl-			128	C9H20	002216-34-4	52
5	Octane, 4-methyl-			128	C9H20	002216-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

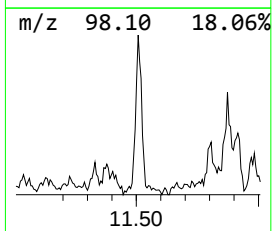
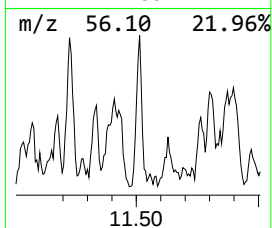
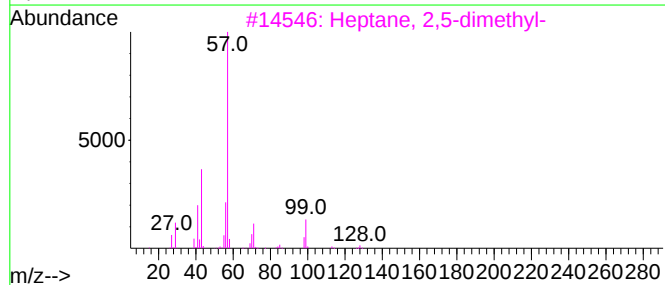
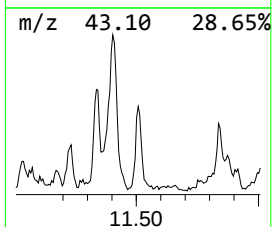
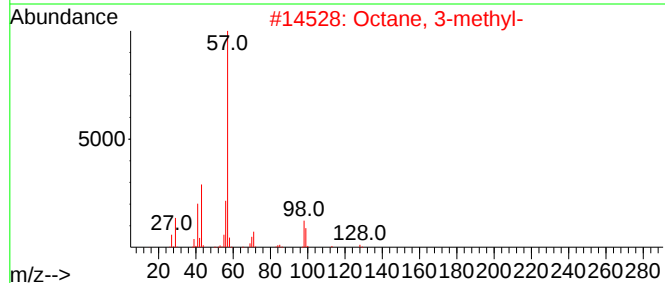
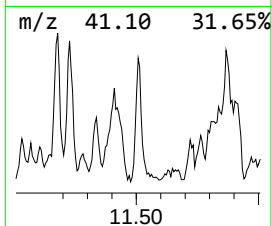
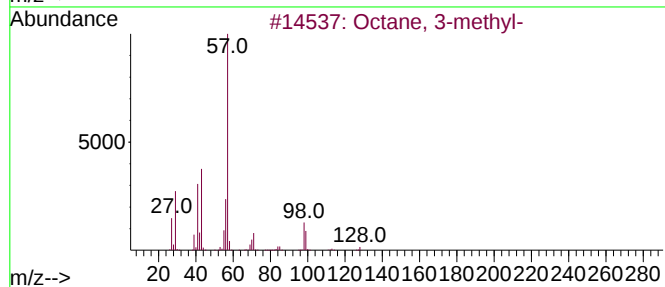
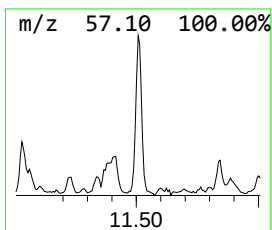
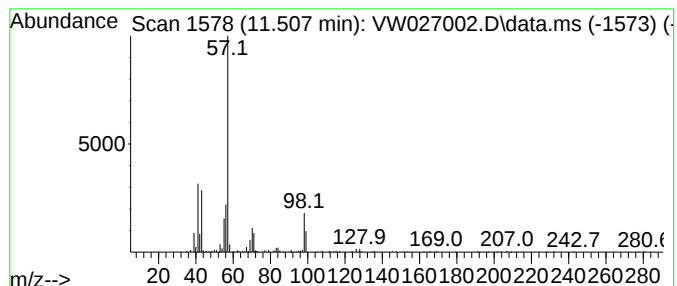
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.507	2.55 ug/L	121560	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	74
2	Octane, 3-methyl-		128	C9H20	002216-33-3	72
3	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	64
4	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	59
5	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

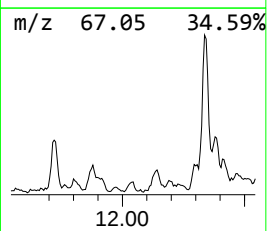
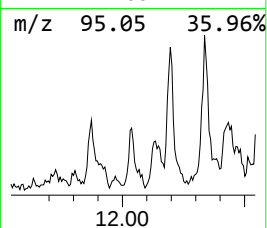
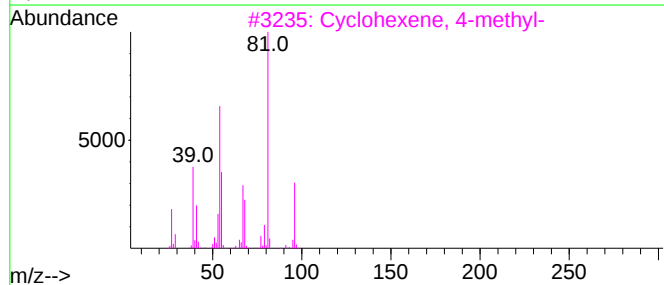
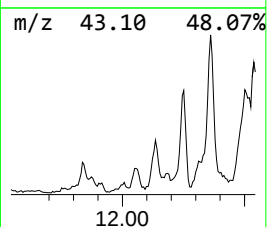
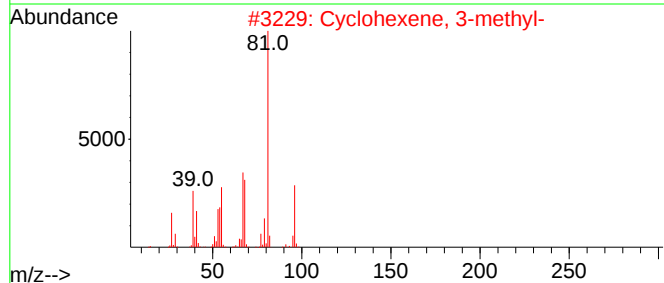
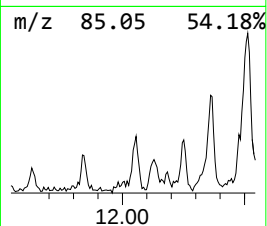
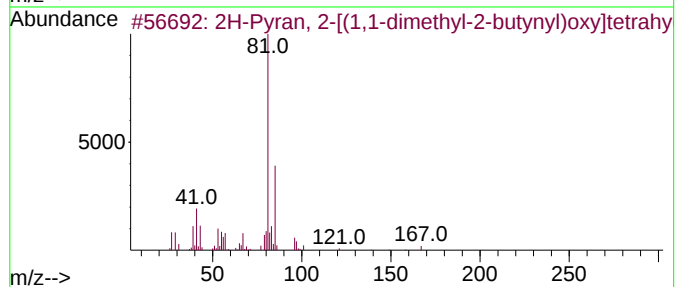
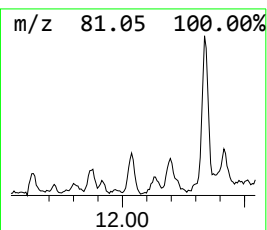
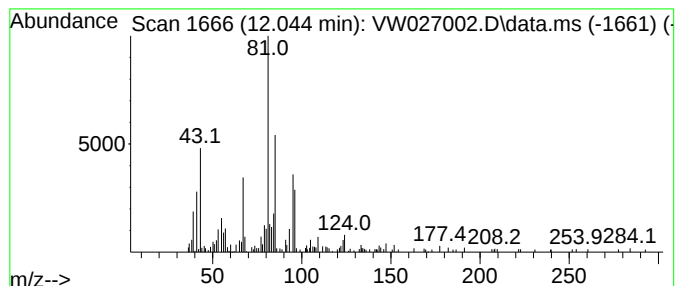
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 2H-Pyran, 2-[(1,1-dimethyl-... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.044	1.73 ug/L	82425	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2H-Pyran, 2-[(1,1-dimethyl-2-but...		182	C11H18O2	024642-03-3	50
2	Cyclohexene, 3-methyl-		96	C7H12	000591-48-0	49
3	Cyclohexene, 4-methyl-		96	C7H12	000591-47-9	49
4	Cyclohexene, 4-methyl-		96	C7H12	000591-47-9	47
5	Cyclohexene, 3-methyl-		96	C7H12	000591-48-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

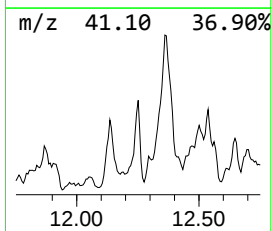
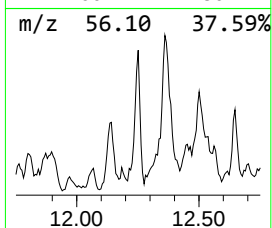
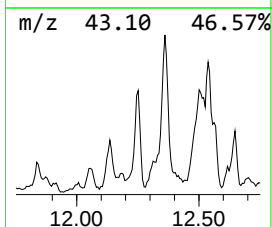
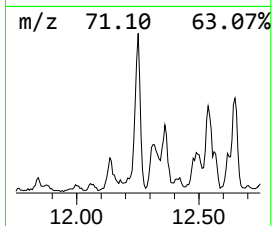
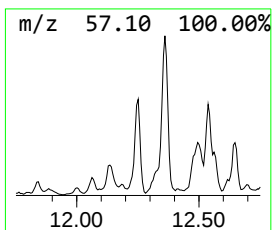
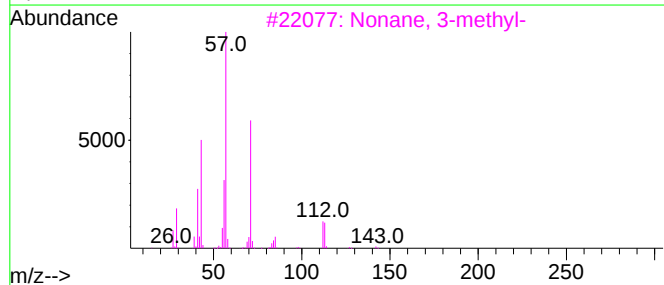
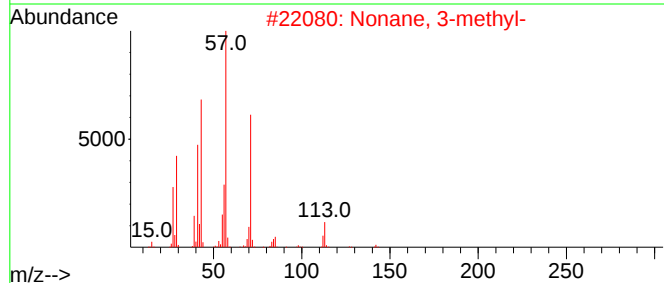
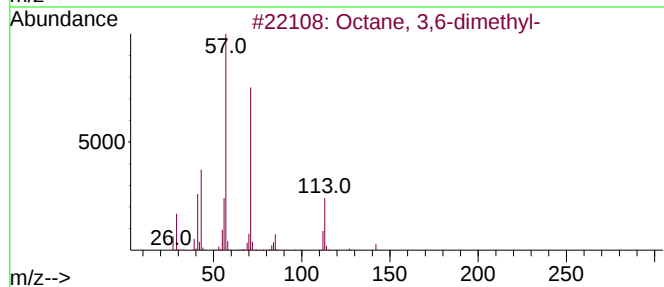
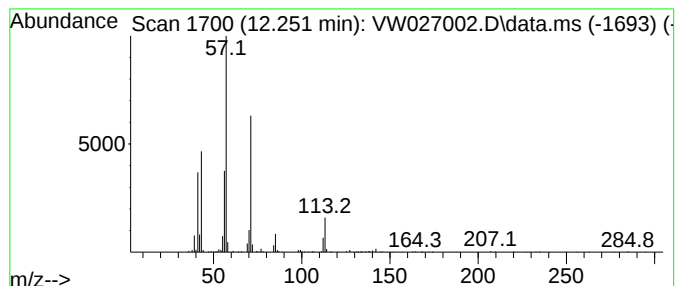
Instrument :
MSVOA_W
ClientSampleId :
EZYX8

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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.251	5.45 ug/L	259369	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

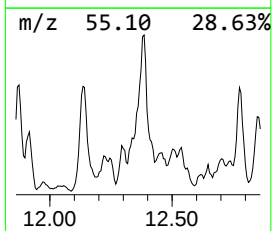
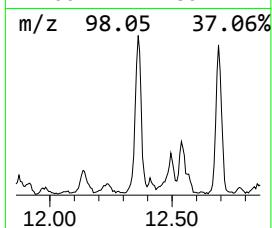
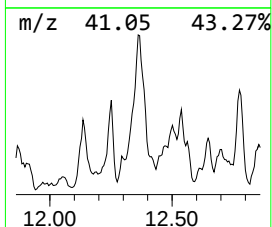
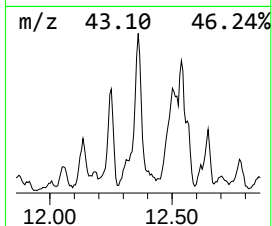
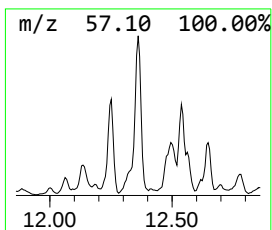
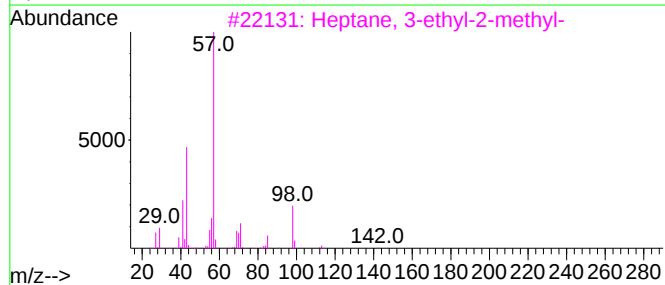
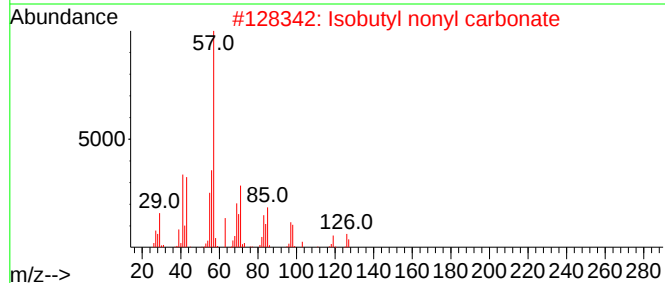
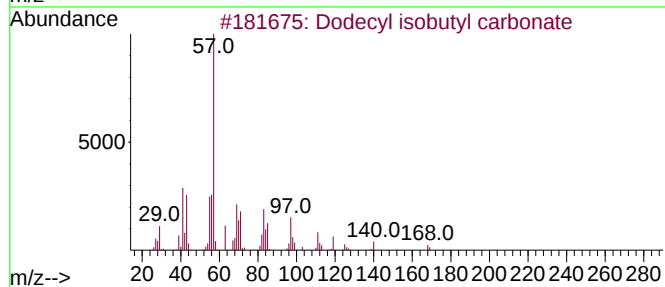
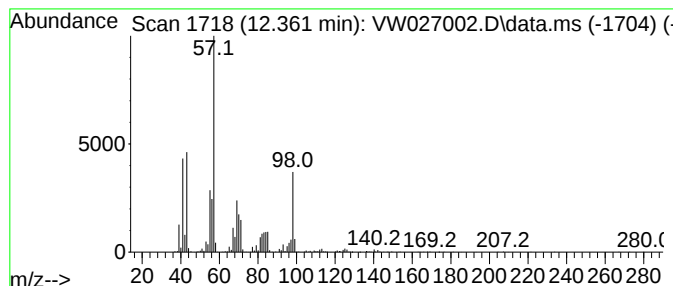
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ClientSampleId :
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Dodecyl isobutyl carbonate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.361	24.81 ug/L	1180750	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dodecyl isobutyl carbonate		286	C17H34O3	959067-22-2	59
2	Isobutyl nonyl carbonate		244	C14H28O3	959311-27-4	53
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	50
4	Heptane, 3-ethyl-		128	C9H20	015869-80-4	47
5	2-Methyl-1-undecanol		186	C12H26O	010522-26-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

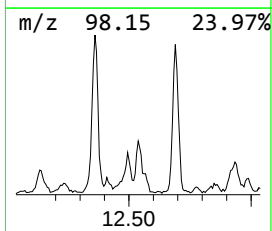
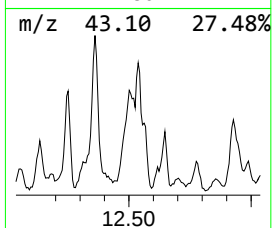
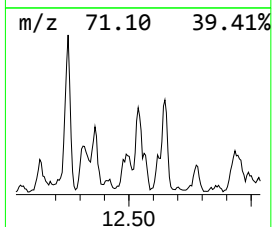
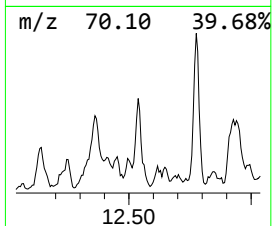
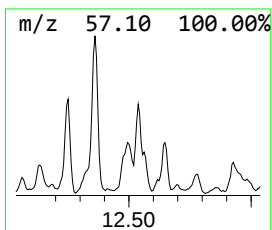
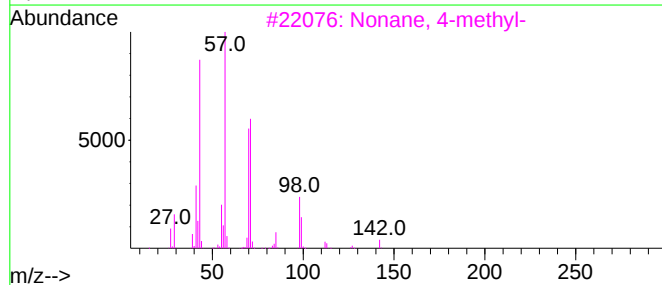
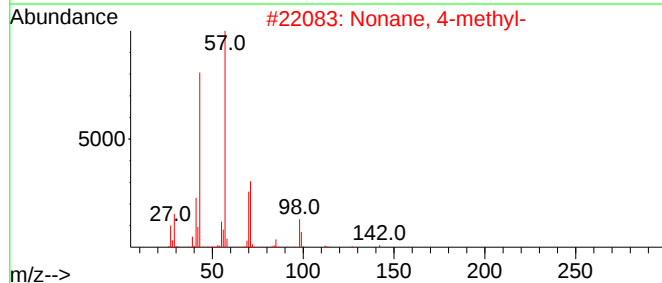
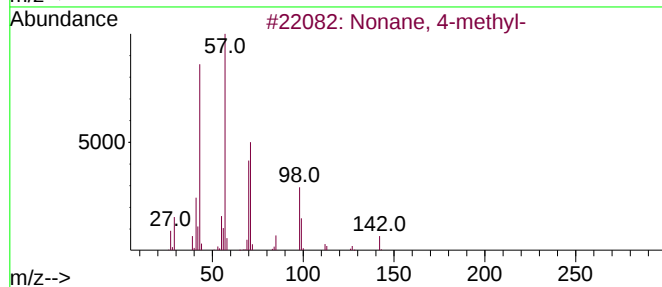
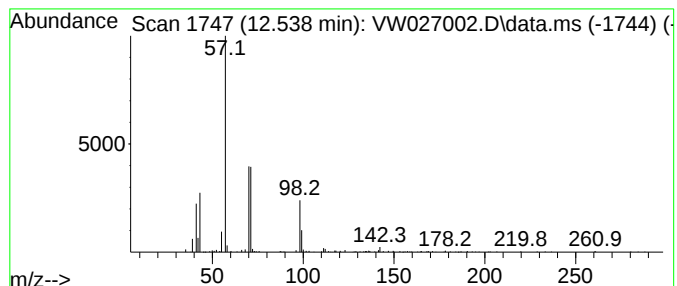
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.538	6.74 ug/L	320682	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-		142	C10H22	017301-94-9	72
2	Nonane, 4-methyl-		142	C10H22	017301-94-9	64
3	Nonane, 4-methyl-		142	C10H22	017301-94-9	59
4	Heptane, 2,3,4-trimethyl-		142	C10H22	052896-95-4	50
5	Pentane, 2,2,3,3-tetramethyl-		128	C9H20	007154-79-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

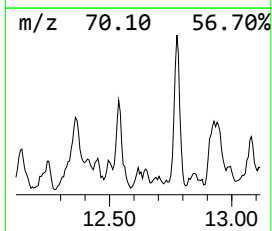
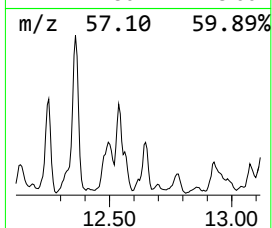
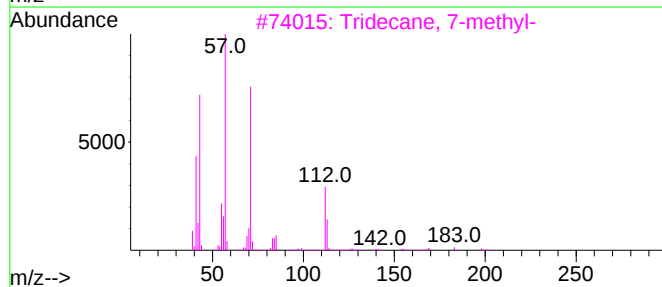
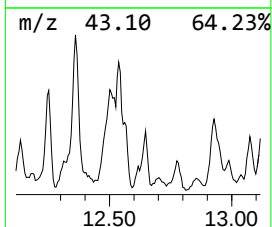
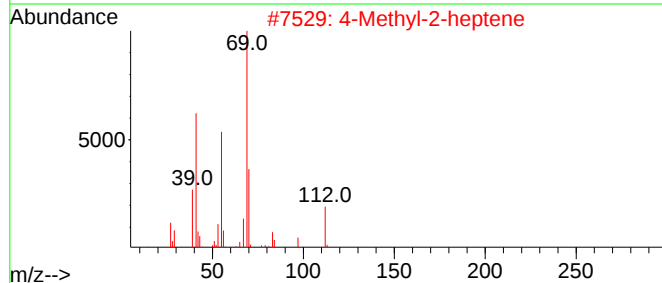
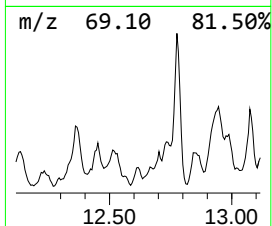
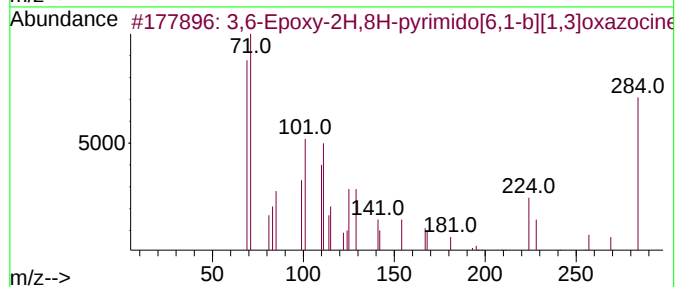
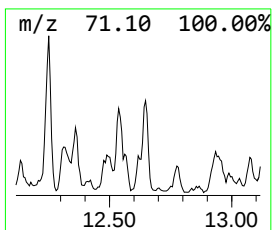
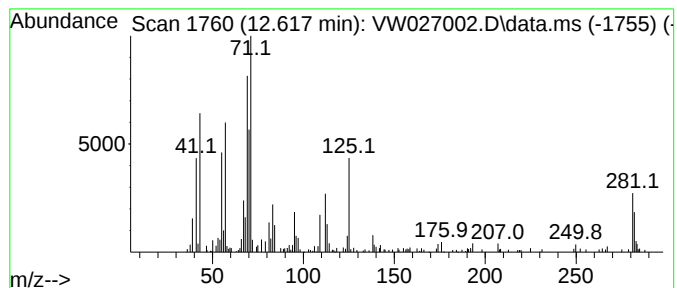
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 3,6-Epoxy-2H,8H-pyrimido[6,... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.617	3.65 ug/L	72080	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,6-Epoxy-2H,8H-pyrimido[6,1-b][...]	284	C12H16N2O6	041547-69-7	53
2			4-Methyl-2-heptene	112	C8H16	003404-56-6	27
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	27
4			Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	27
5			Methoxyacetic acid, 2-octyl ester	202	C11H22O3	1000282-69-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

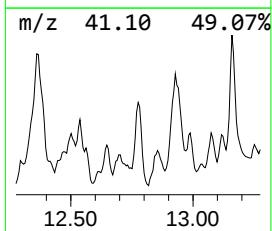
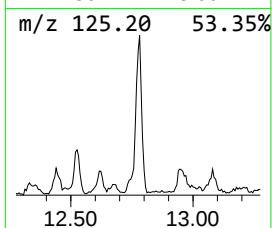
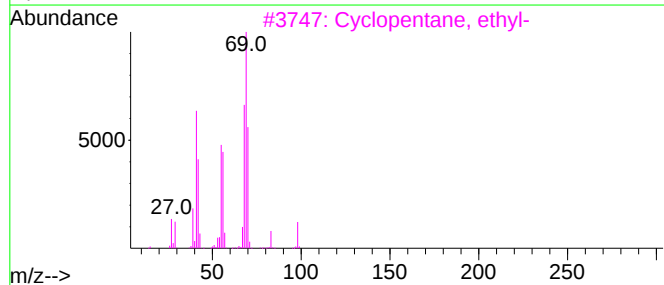
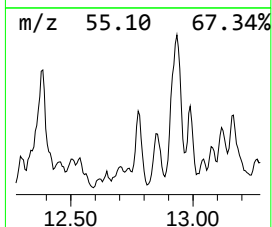
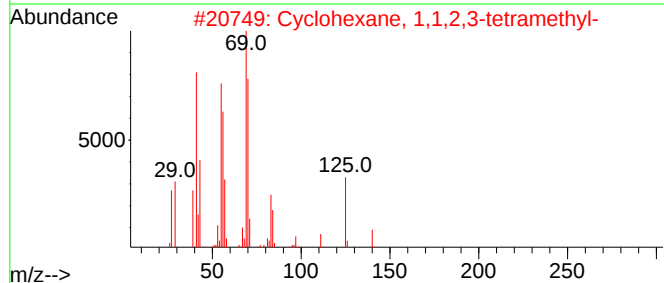
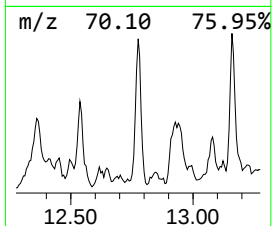
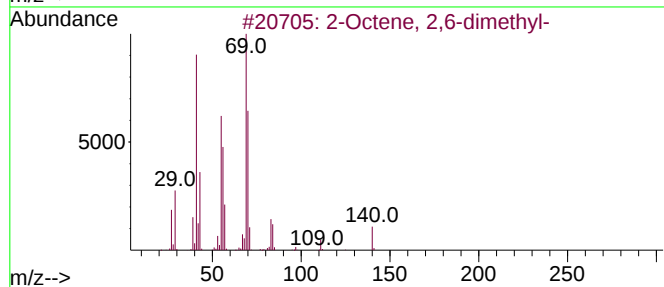
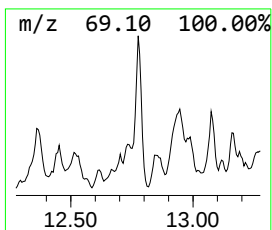
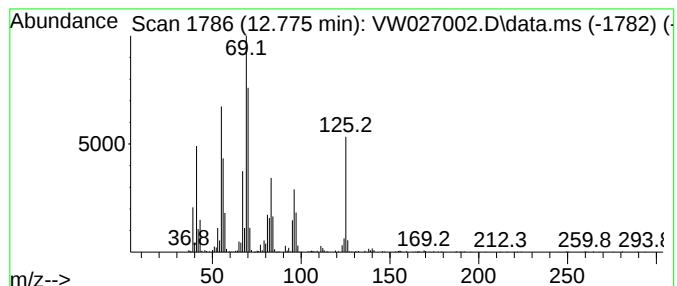
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	23.49 ug/L	463285	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	59
3		Cyclopentane, ethyl-	98	C7H14	001640-89-7	50
4		4-Nonene, 2,3,3-trimethyl-, (E)-	168	C12H24	063830-67-1	43
5		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

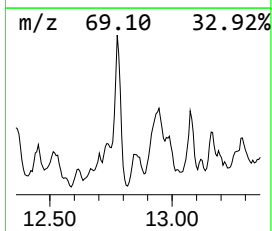
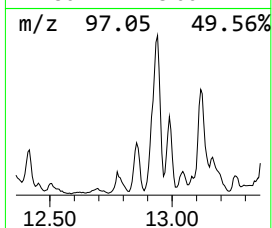
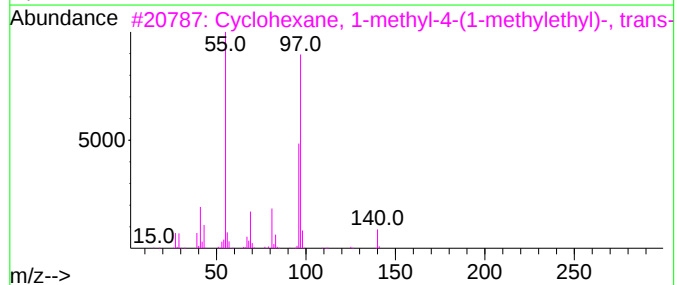
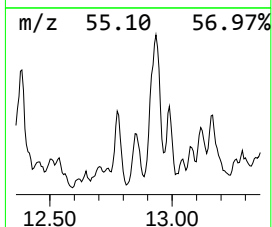
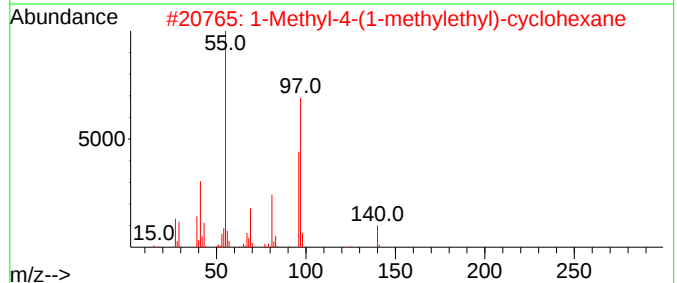
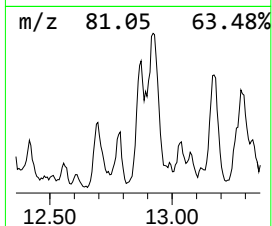
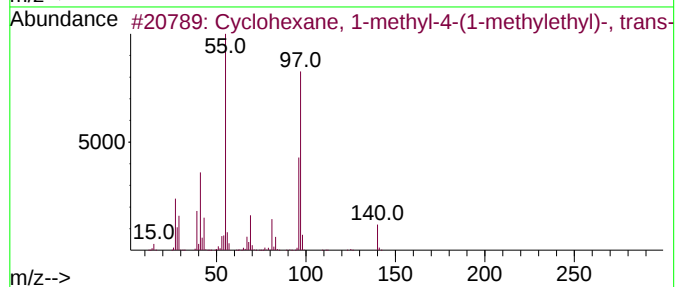
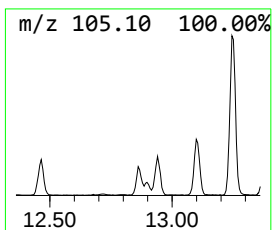
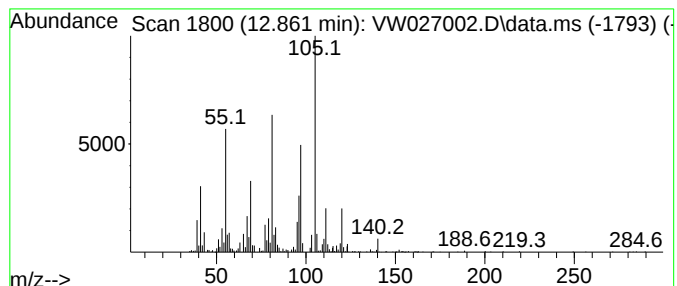
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Cyclic12.861 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	16.12 ug/L	317901	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	30
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	30
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	30
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	30
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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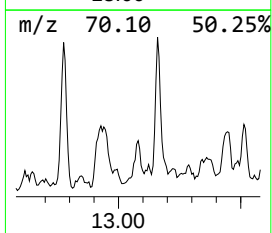
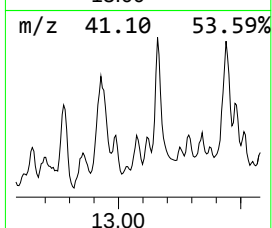
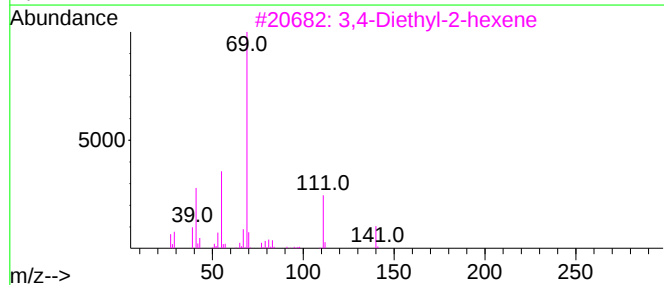
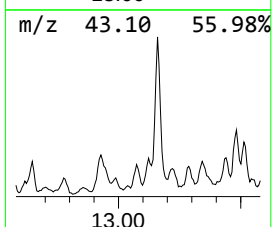
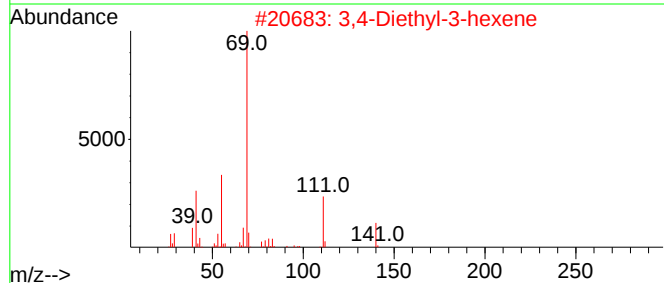
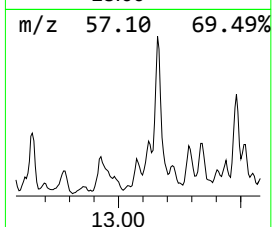
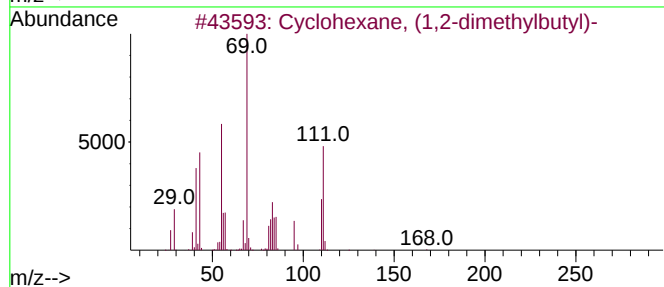
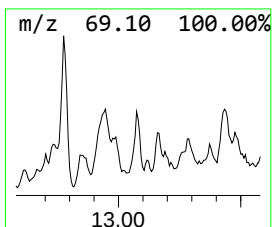
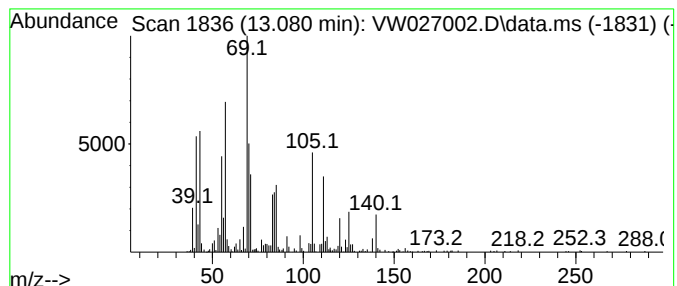
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Cyclic13.080 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	8.68 ug/L	171266	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	43
2			3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	41
3			3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	38
4			5-Undecene, 7-methyl-, (E)-	168	C12H24	074630-66-3	38
5			5-Undecene, 7-methyl-, (Z)-	168	C12H24	074630-62-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

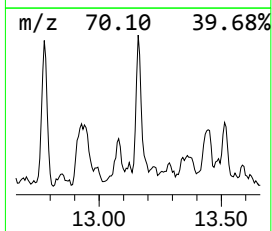
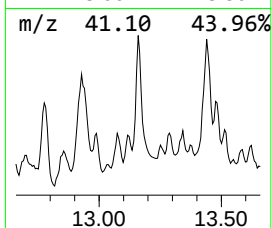
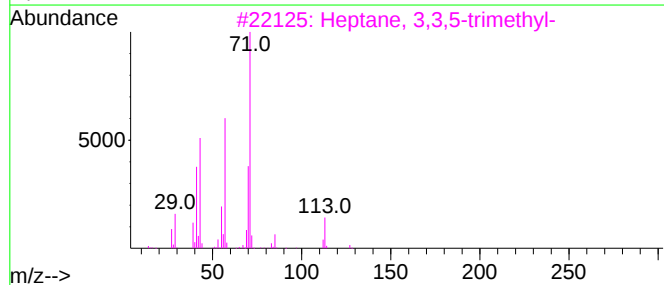
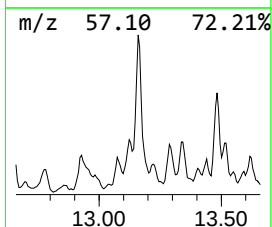
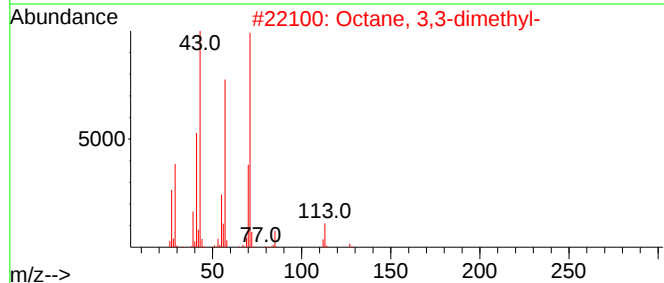
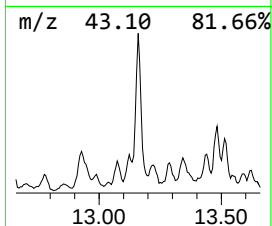
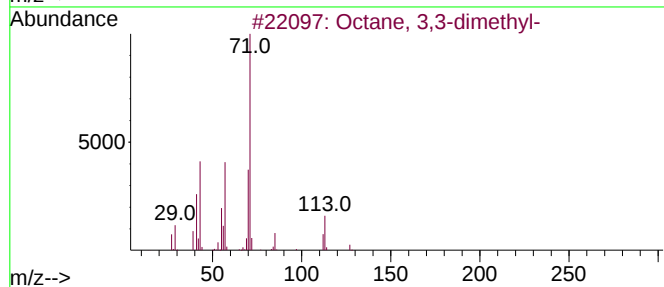
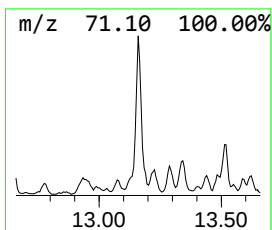
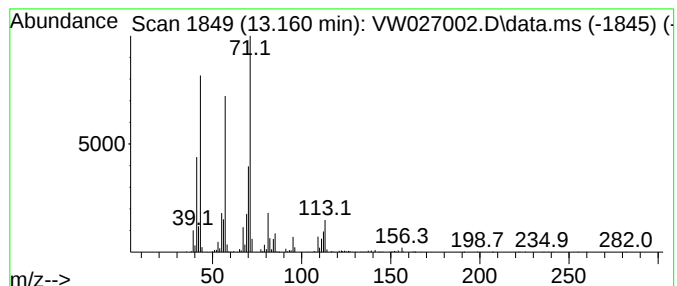
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	26.17 ug/L	516174	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
3		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

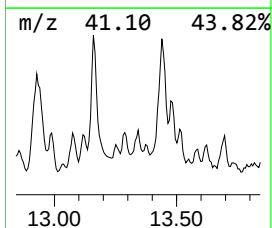
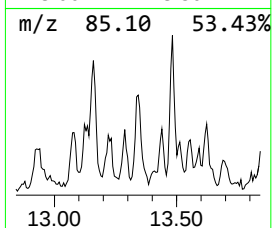
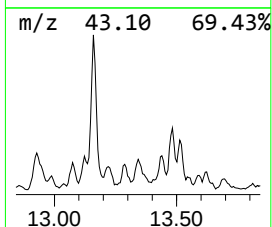
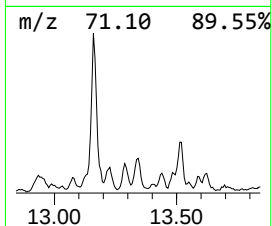
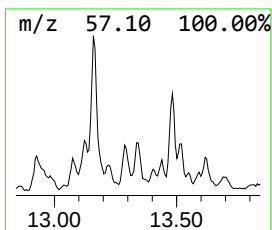
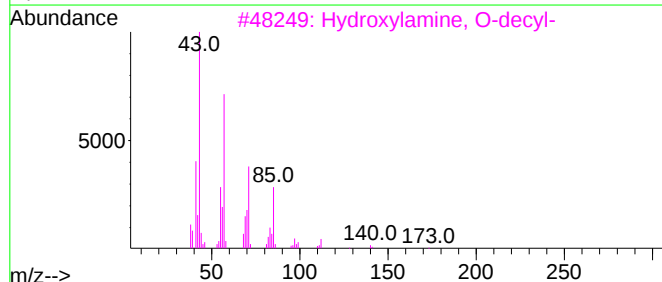
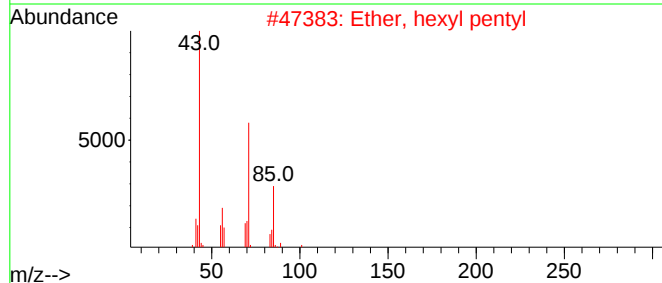
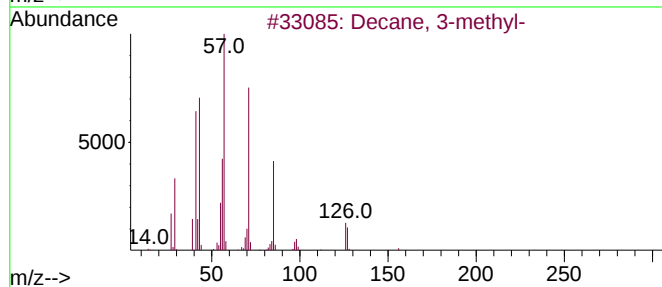
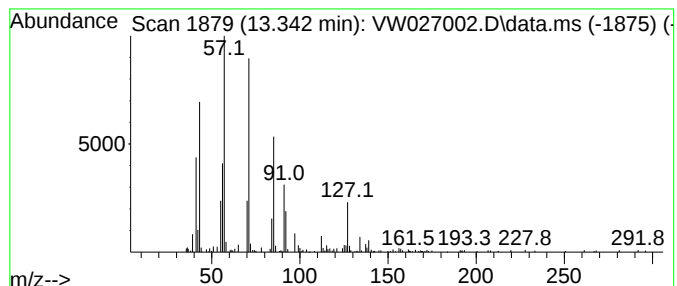
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.342	4.33 ug/L	85449	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 3-methyl-	156	C11H24	013151-34-3	72
2		Ether, hexyl pentyl	172	C11H24O	032357-83-8	50
3		Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	47
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	47
5		5-Methyl-2-hexanol, 2-methylprop...	186	C11H22O2	1000447-34-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

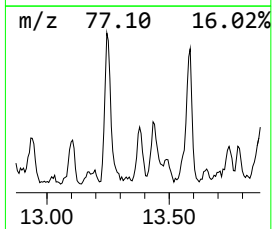
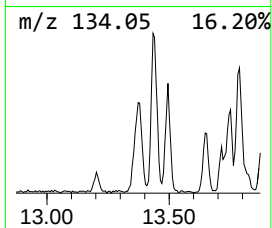
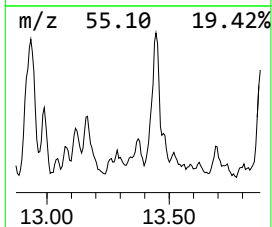
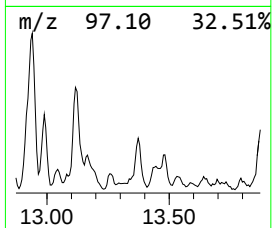
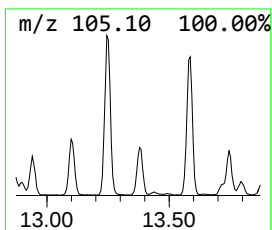
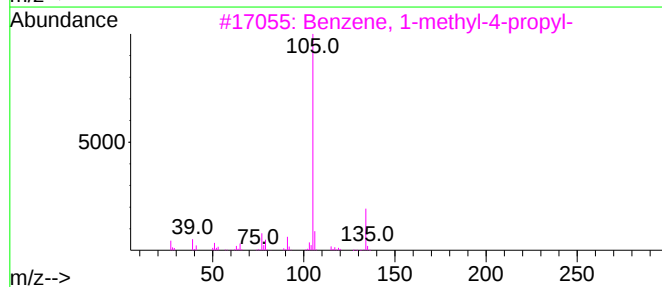
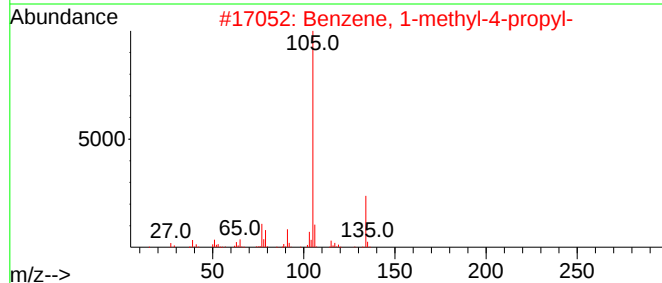
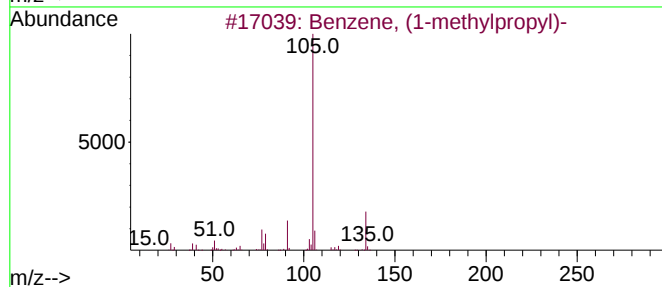
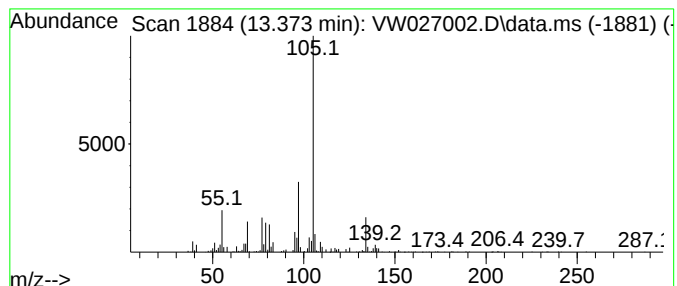
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 Benzene, (1-methylpropyl)- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	9.68 ug/L	190988	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	50
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	45
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	38
4			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38
5			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

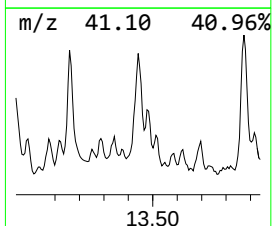
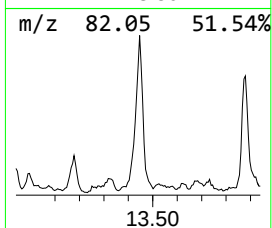
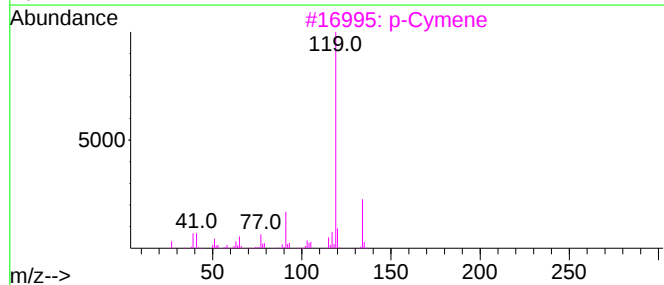
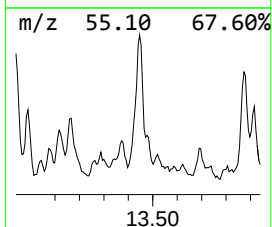
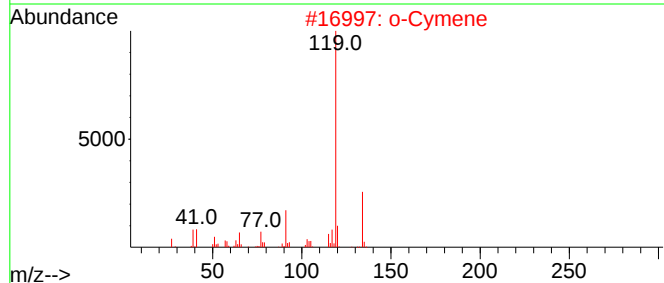
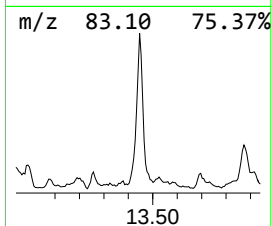
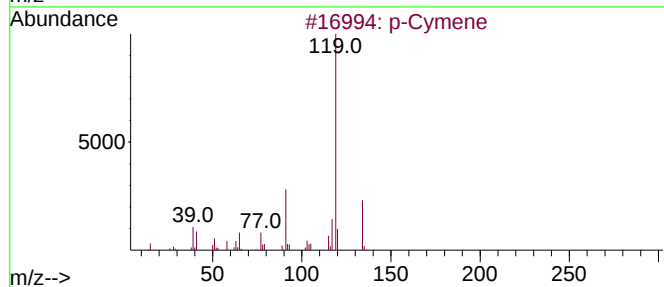
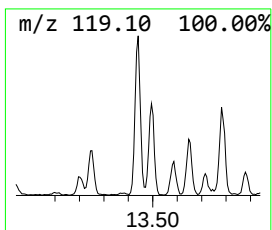
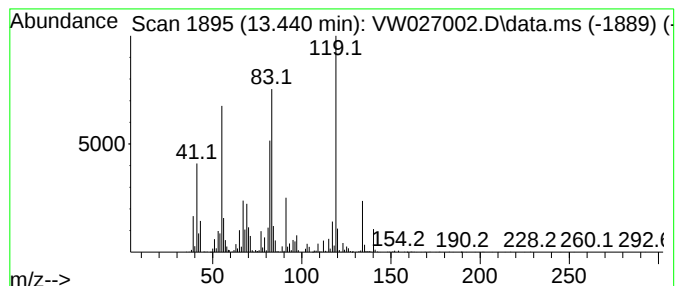
Instrument :
MSVOA_W
ClientSampleId :
EZYX8

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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 p-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.440	42.03 ug/L	828921	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	p-Cymene		134	C10H14	000099-87-6	86
2	o-Cymene		134	C10H14	000527-84-4	80
3	p-Cymene		134	C10H14	000099-87-6	80
4	1,3,5-Cycloheptatriene, 3,7,7-tr...		134	C10H14	003479-89-8	80
5	p-Cymene		134	C10H14	000099-87-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

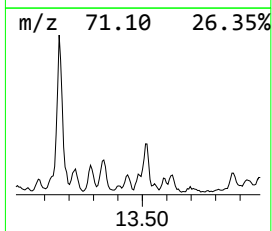
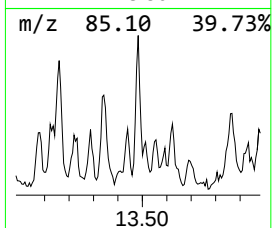
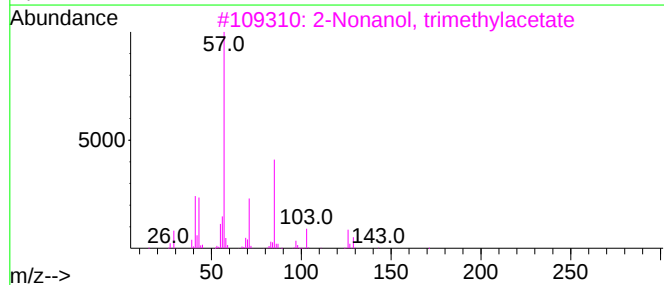
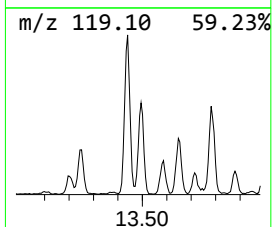
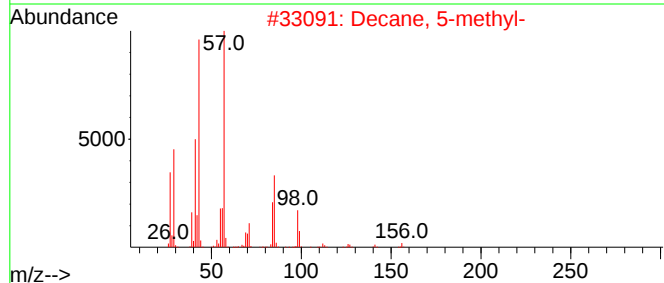
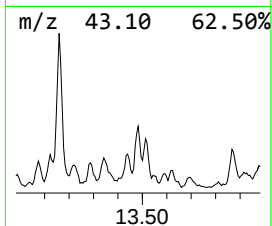
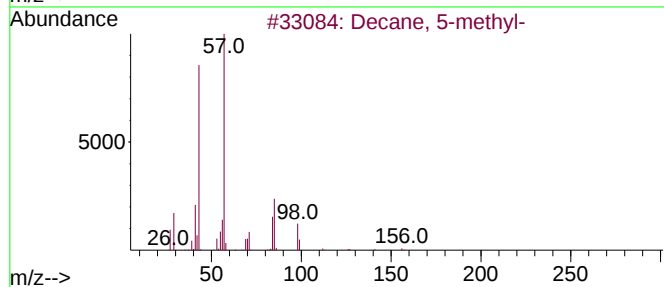
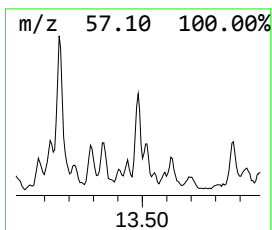
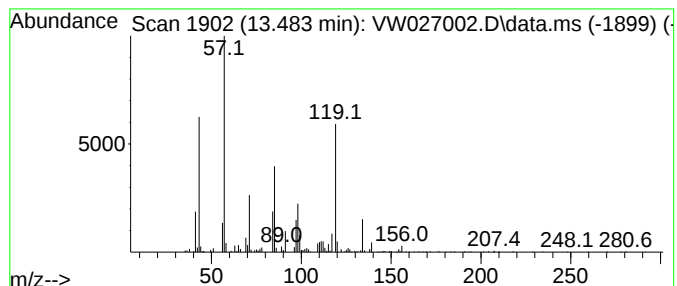
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	19.97 ug/L	393885	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	49
2			Decane, 5-methyl-	156	C11H24	013151-35-4	46
3			2-Nonanol, trimethylacetate	228	C14H28O2	1000463-21-6	38
4			Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	27
5			Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

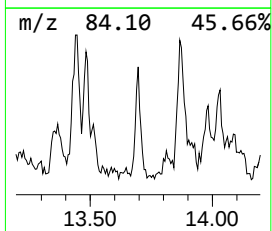
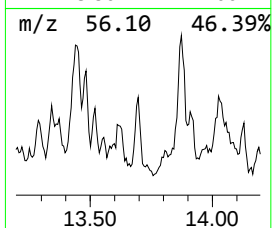
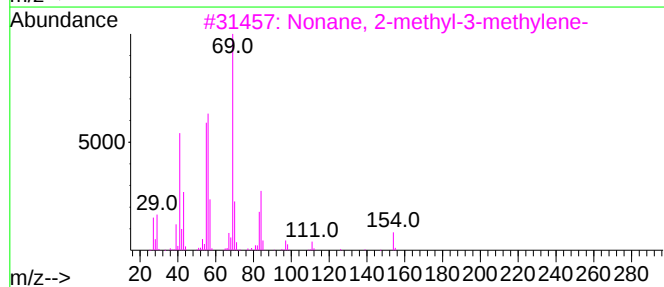
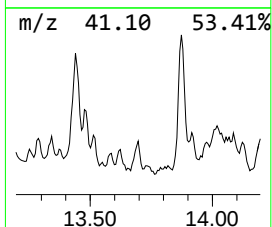
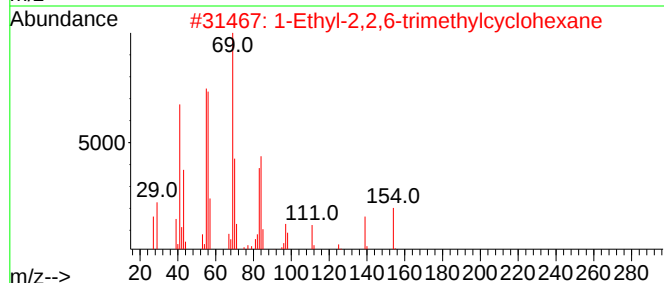
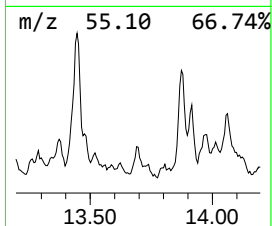
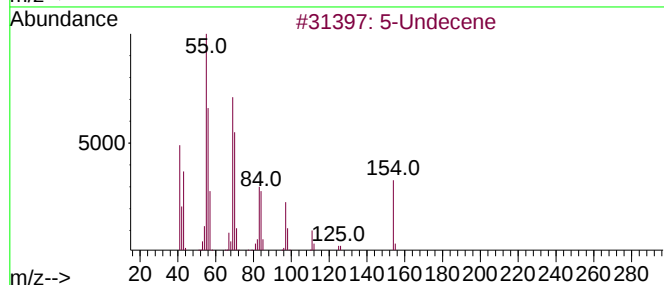
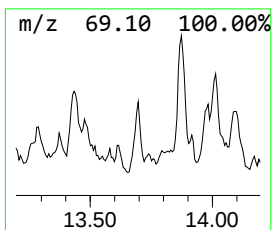
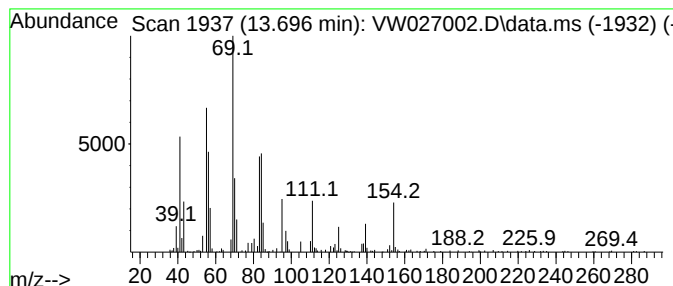
Instrument :
MSVOA_W
ClientSampleId :
EZYX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.696	6.31 ug/L	124445	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5-Undecene		154	C11H22	004941-53-1	74
2	1-Ethyl-2,2,6-trimethylcyclohexane		154	C11H22	071186-27-1	72
3	Nonane, 2-methyl-3-methylene-		154	C11H22	055499-08-6	59
4	Disparlure		282	C19H38O	029804-22-6	53
5	3-Undecene, 8-methyl-		168	C12H24	1000061-84-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

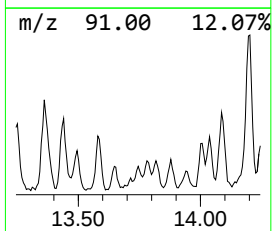
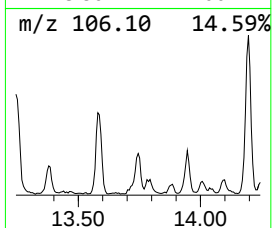
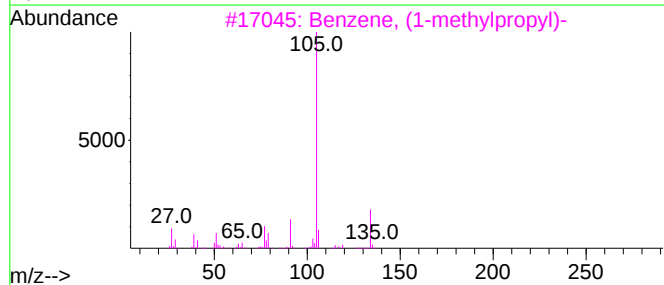
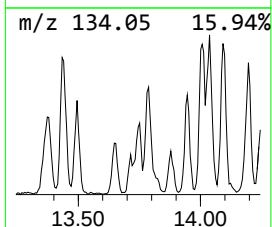
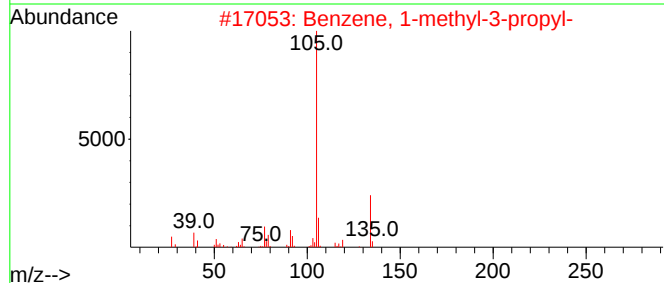
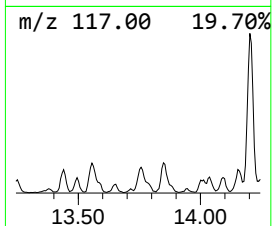
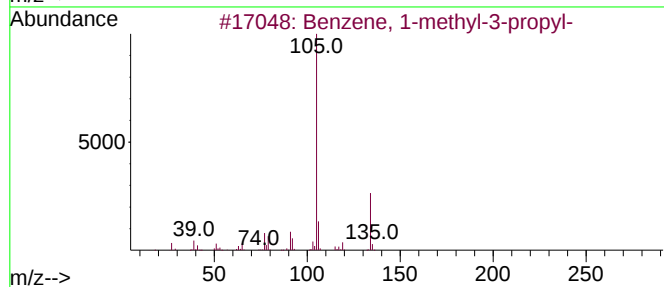
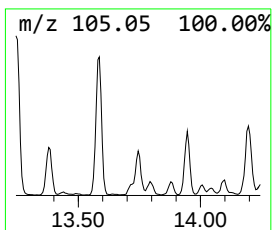
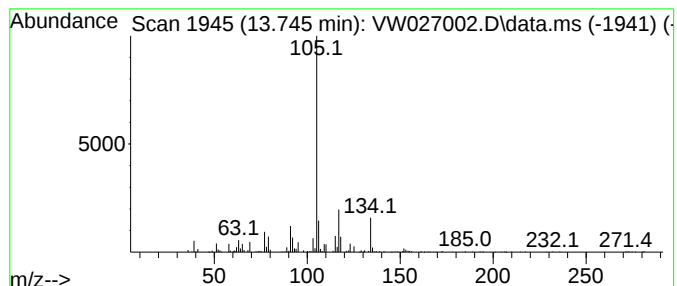
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	3.88 ug/L	76446	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	45
2			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	45
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	43
5			Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

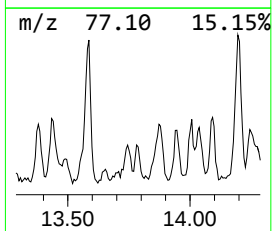
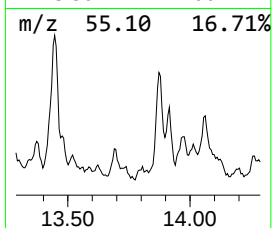
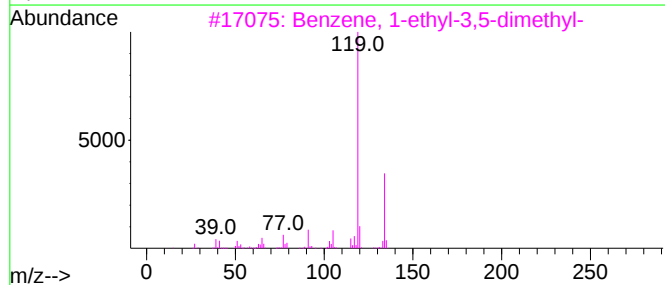
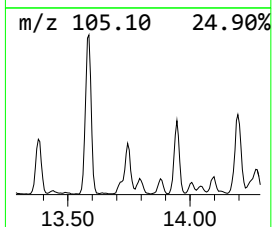
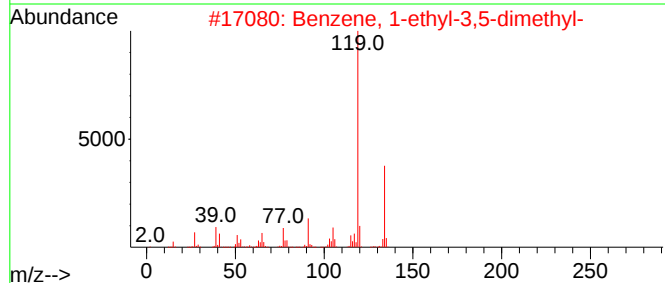
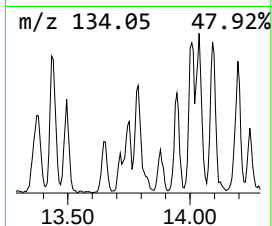
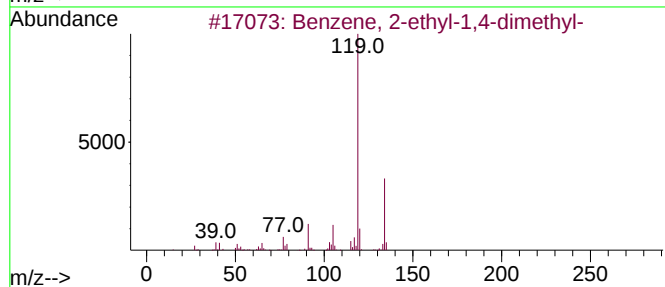
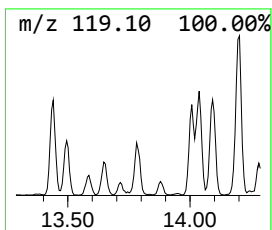
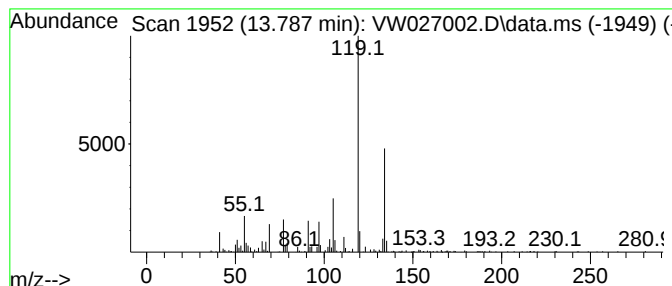
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.788	3.87 ug/L	76287	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

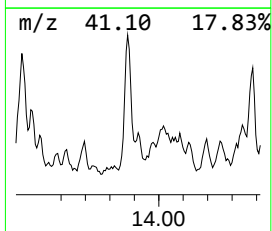
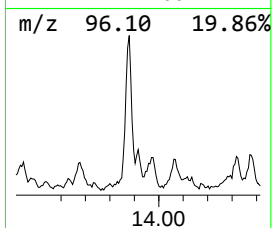
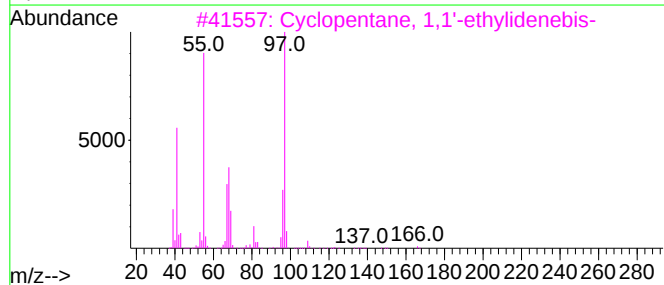
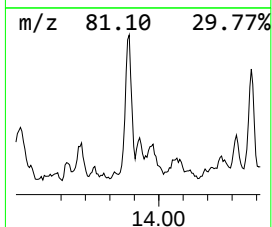
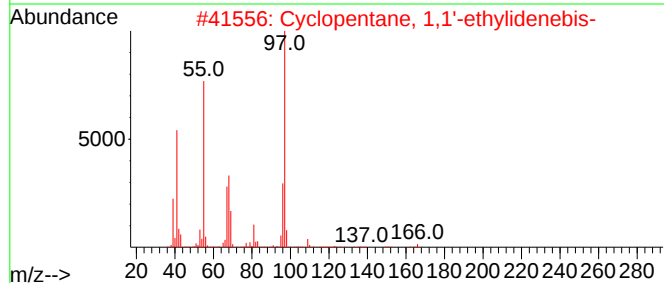
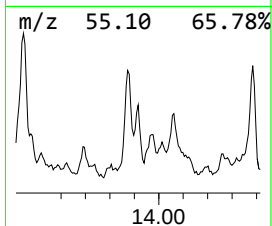
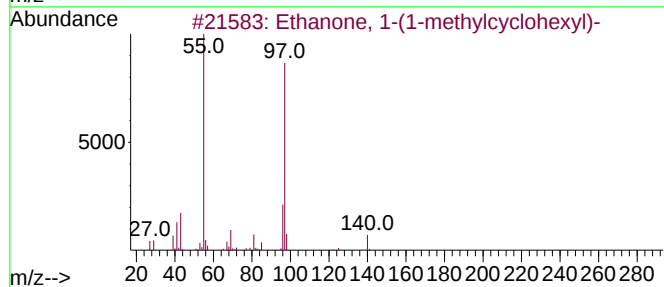
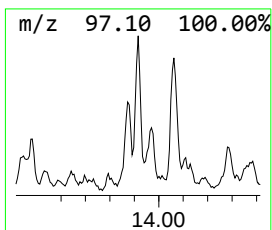
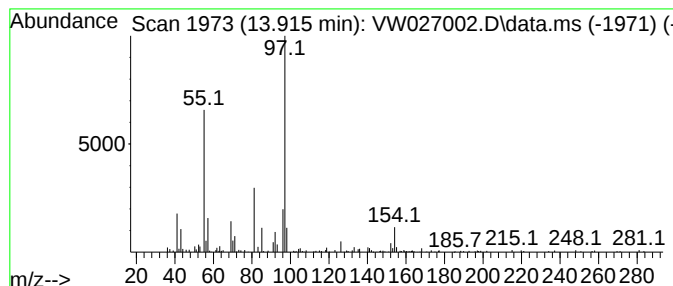
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	1.63 ug/L	32140	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53
2			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	53
3			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	53
4			Methoxyacetic acid, 1-cyclopenty...	186	C10H18O3	1000282-69-5	50
5			2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

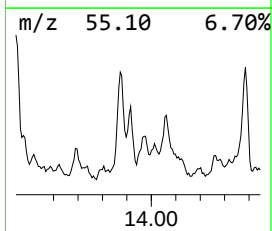
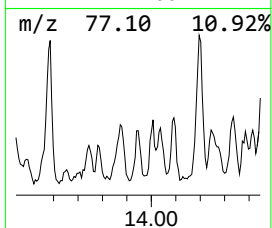
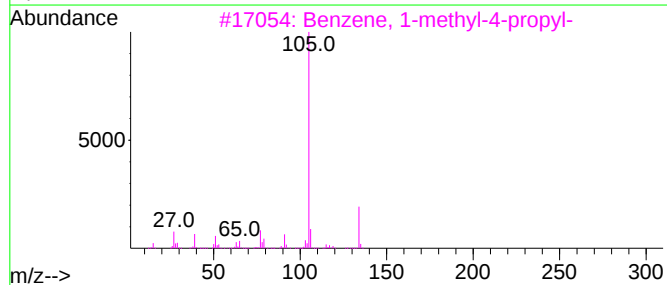
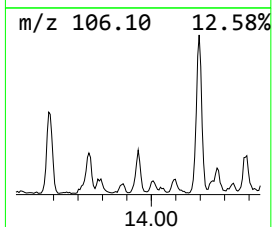
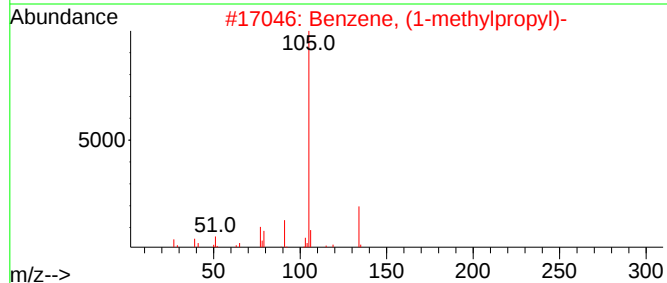
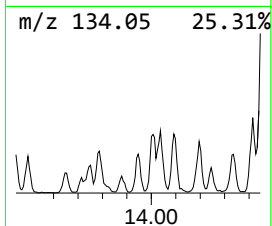
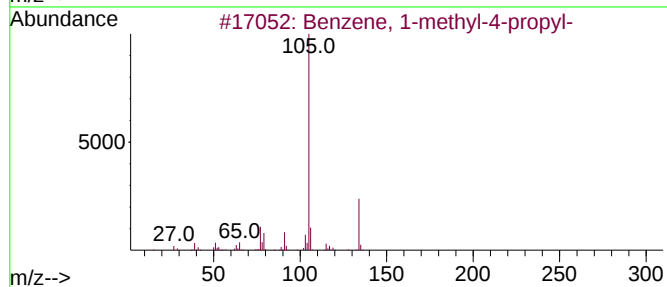
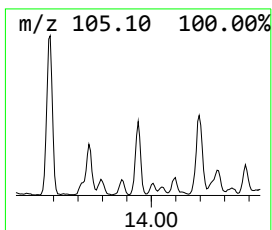
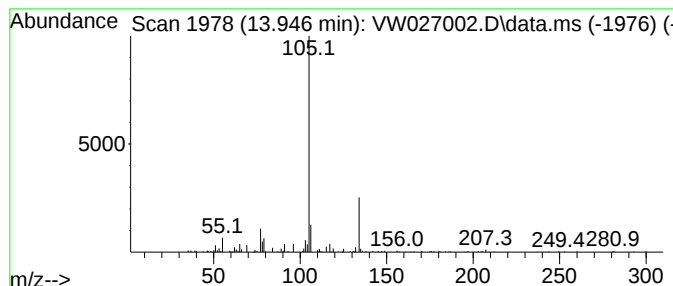
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 Benzene, 1-methyl-4-propyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.946	1.62 ug/L	31995	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

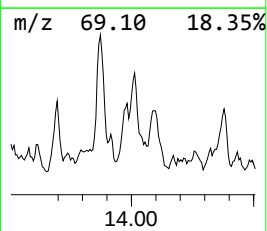
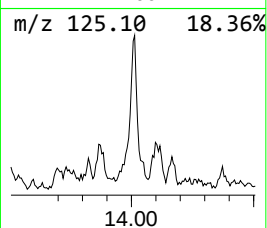
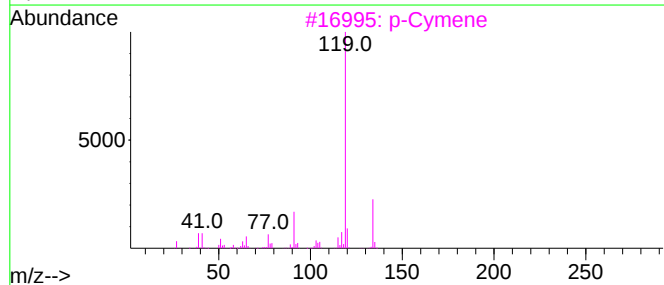
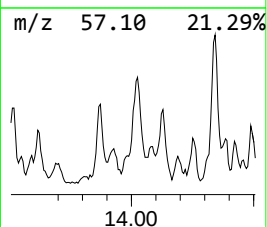
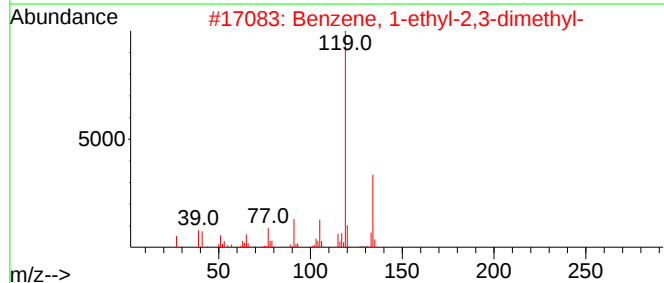
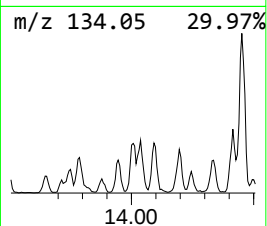
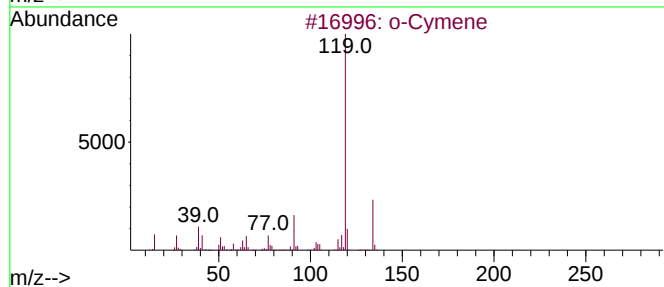
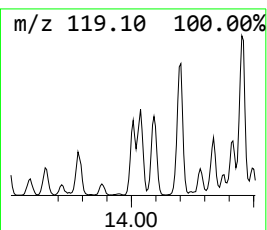
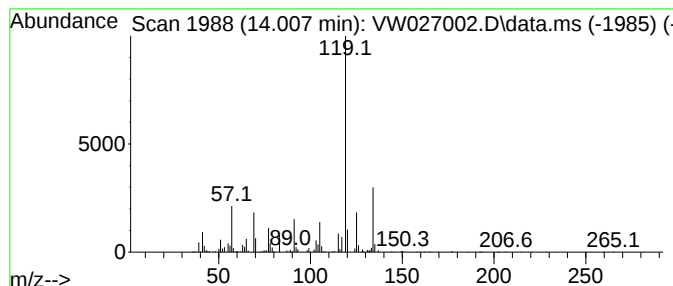
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.007	9.37 ug/L	184799	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	93
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3			p-Cymene	134	C10H14	000099-87-6	93
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

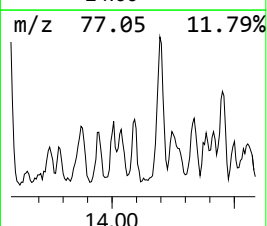
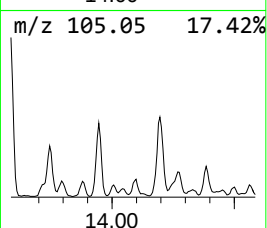
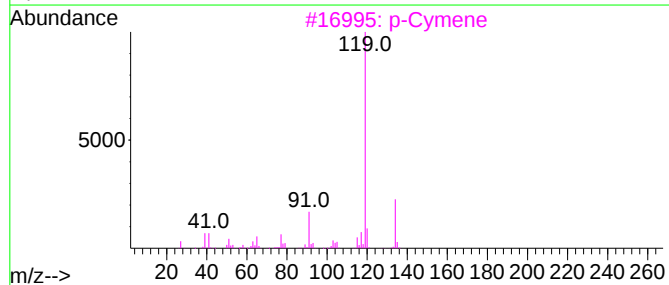
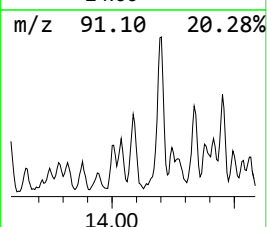
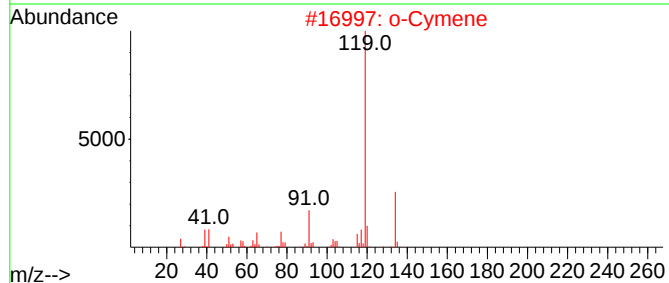
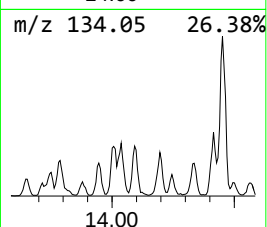
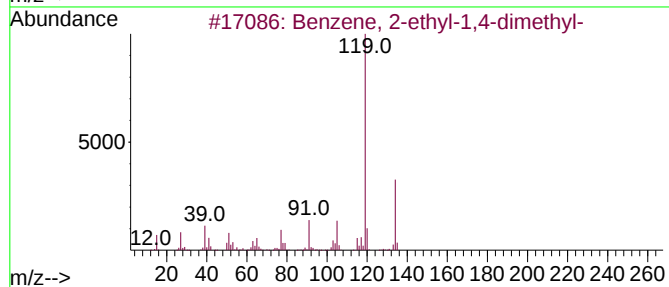
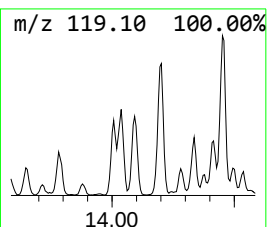
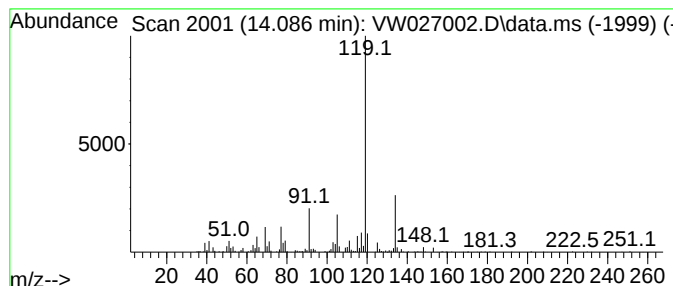
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.086	11.11 ug/L	219060	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			o-Cymene	134	C10H14	000527-84-4	94
3			p-Cymene	134	C10H14	000099-87-6	91
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

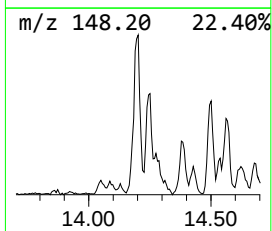
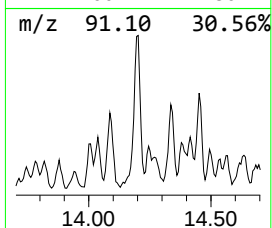
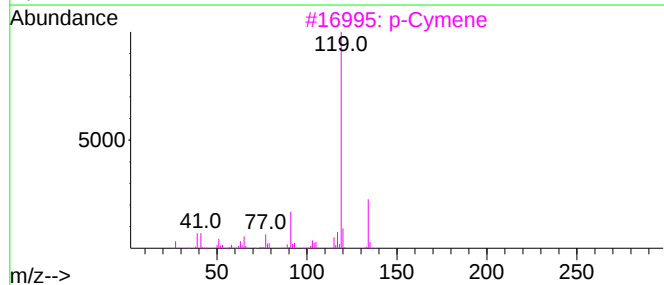
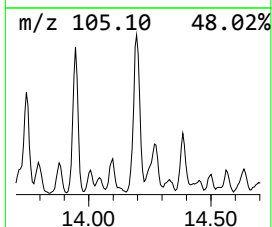
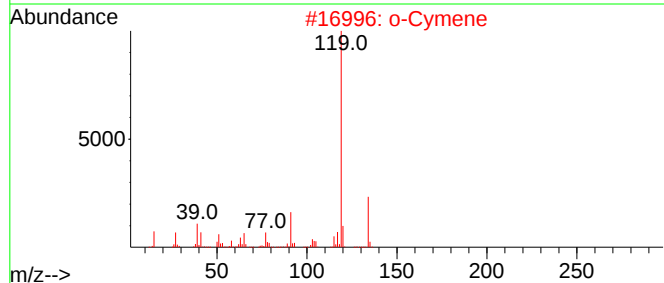
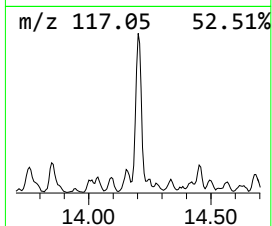
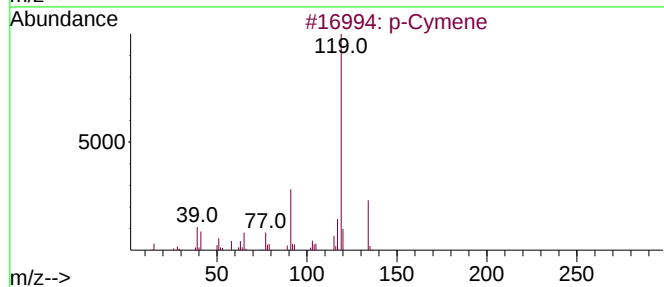
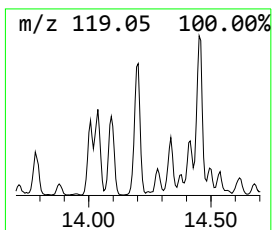
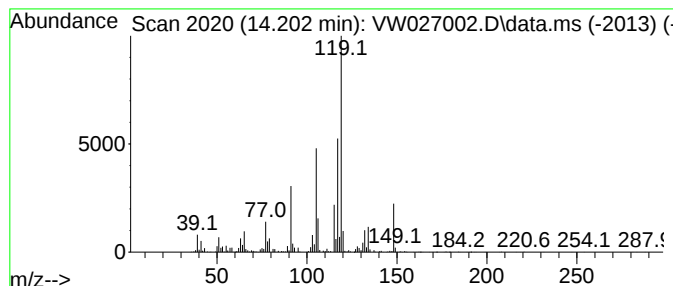
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	39.62 ug/L	781492	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		p-Cymene	134	C10H14	000099-87-6	55
2		o-Cymene	134	C10H14	000527-84-4	50
3		p-Cymene	134	C10H14	000099-87-6	50
4		o-Cymene	134	C10H14	000527-84-4	50
5		1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

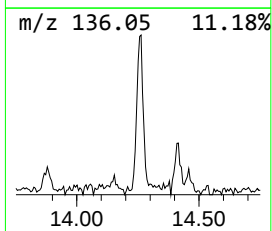
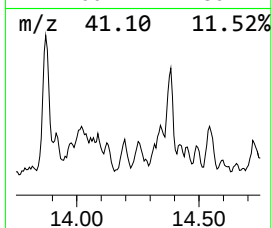
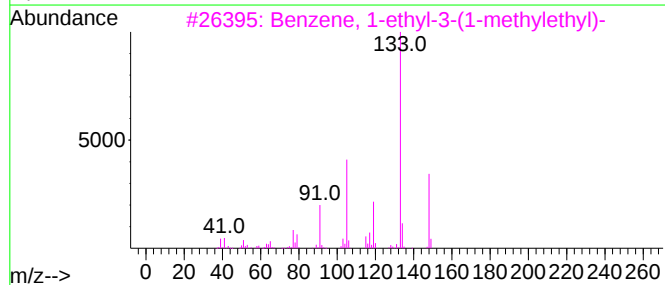
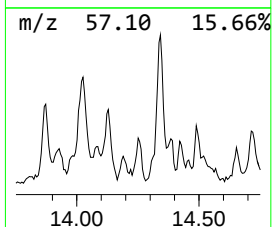
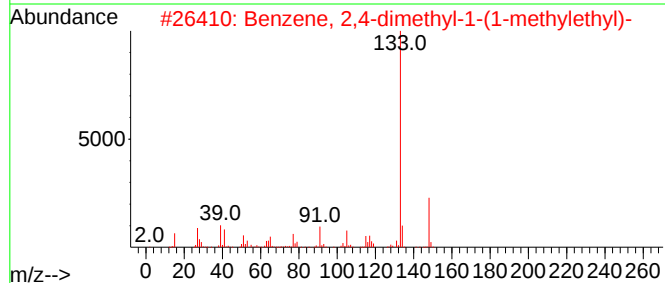
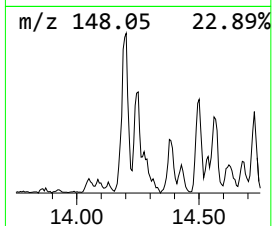
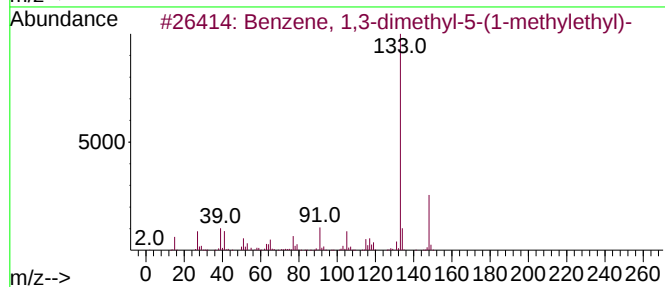
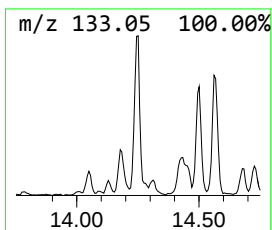
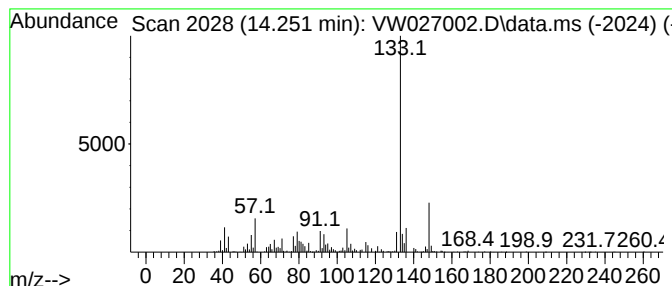
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.251	22.58 ug/L	445412	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	68
2			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64
3			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	59
4			Benzene, pentamethyl-	148	C11H16	000700-12-9	59
5			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

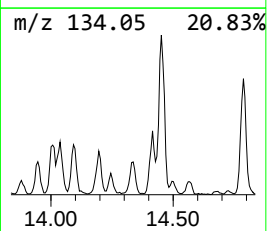
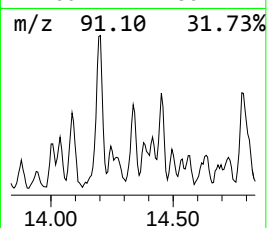
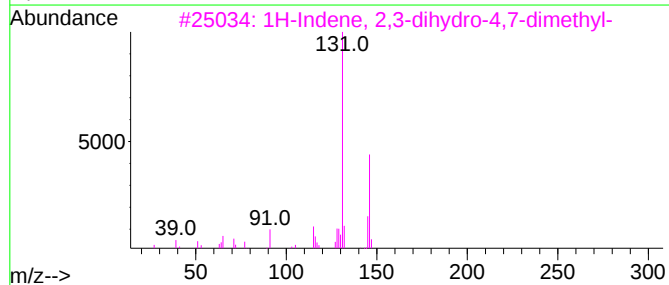
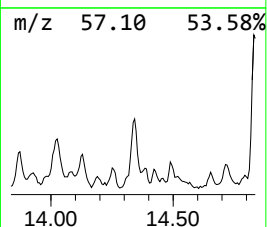
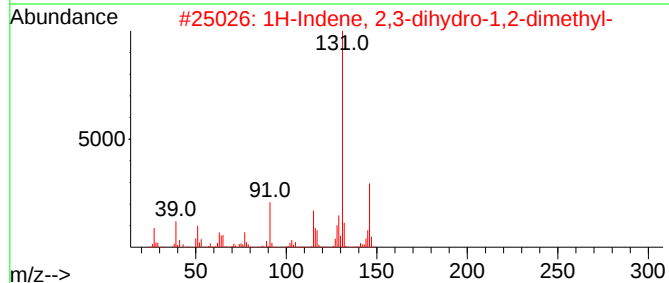
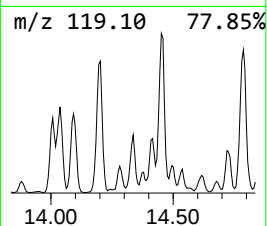
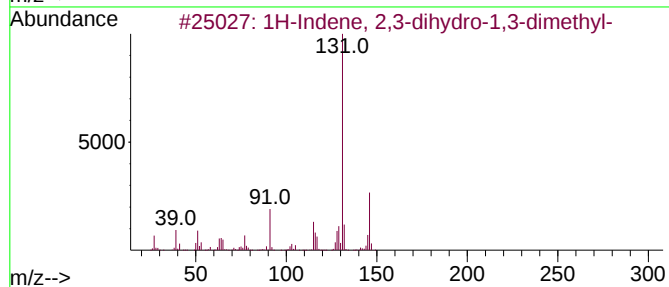
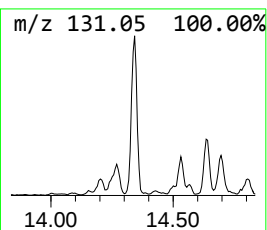
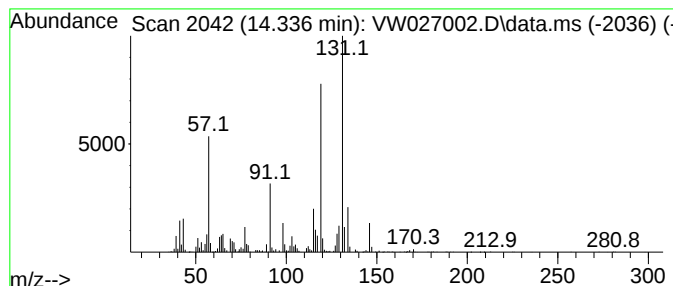
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	29.92 ug/L	590129	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
4			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	55
5			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

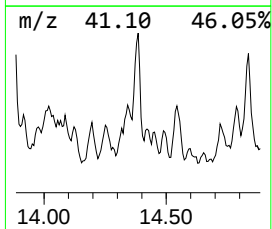
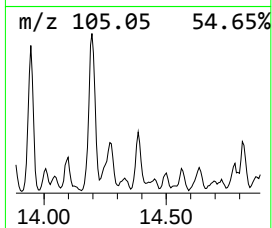
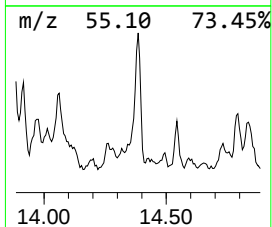
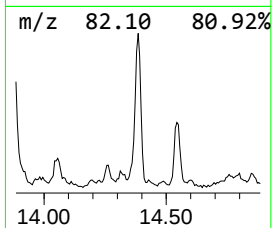
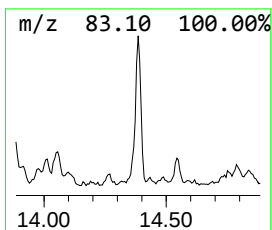
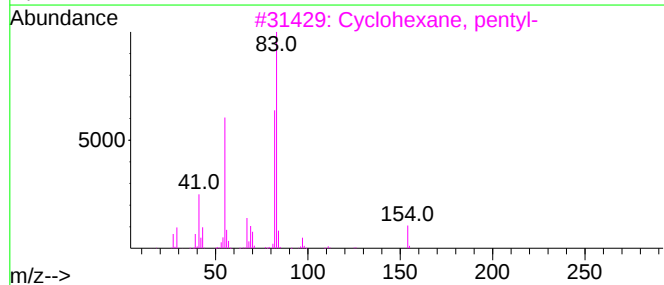
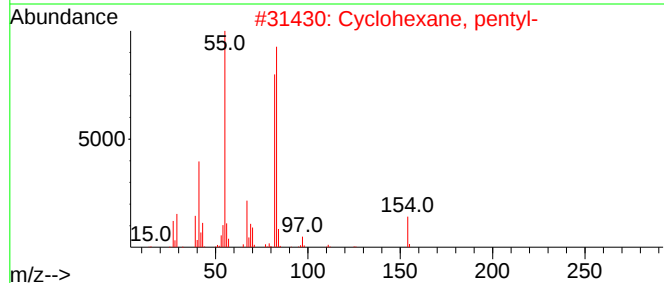
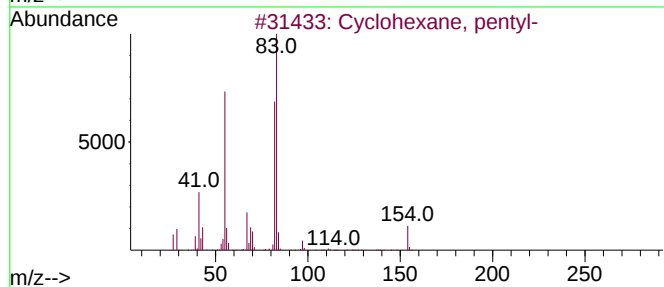
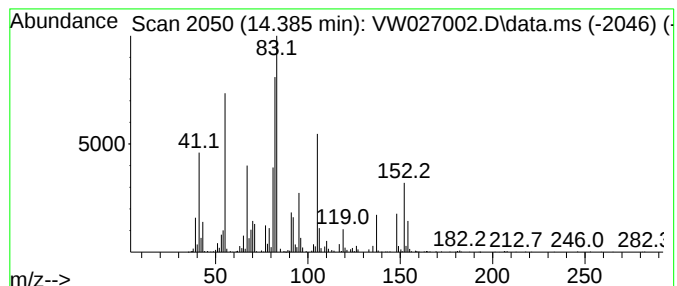
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 (DEL) Alkane: Cyclic14.385 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	32.07 ug/L	632583	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
4			Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	53
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

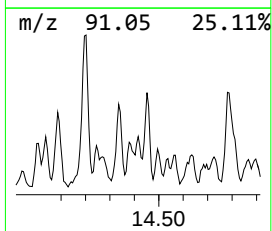
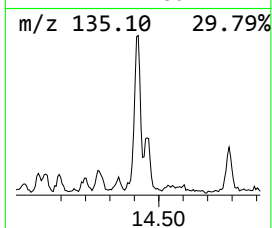
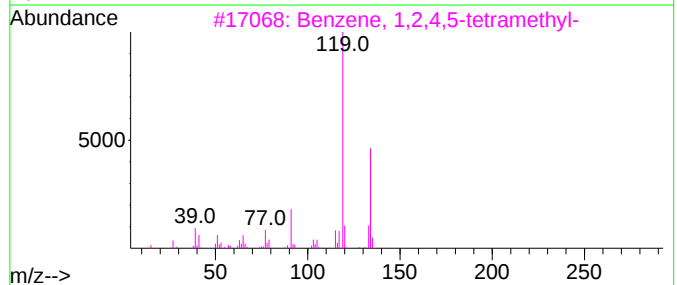
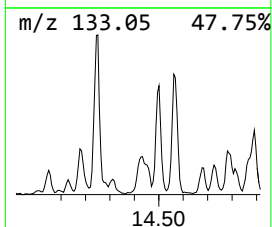
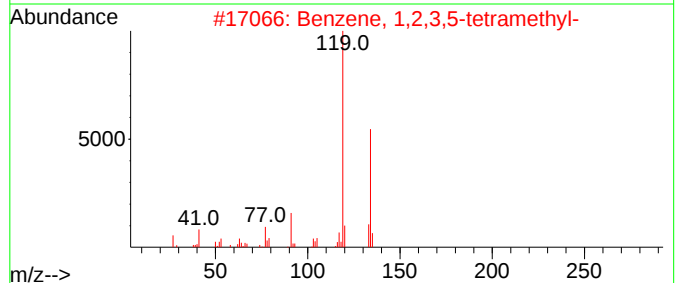
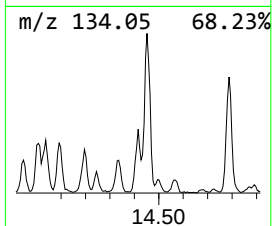
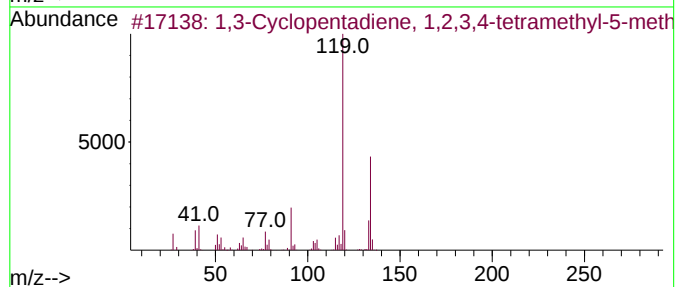
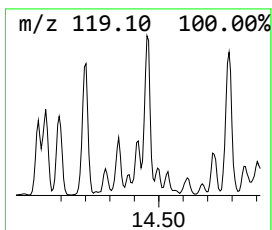
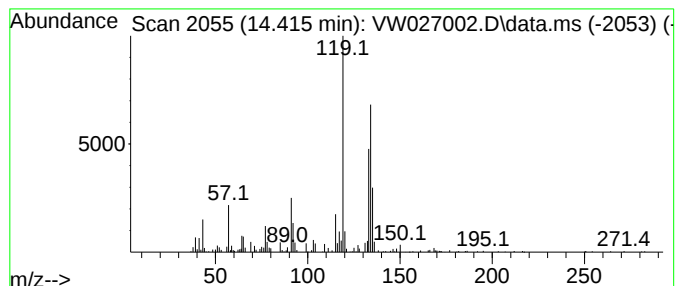
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	12.21 ug/L	240781	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	62
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	62
4			1-Methyl-1-silabenzocyclobutene	134	C8H10Si	160841-06-5	58
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

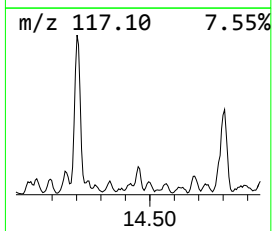
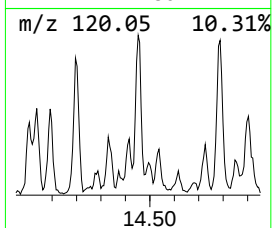
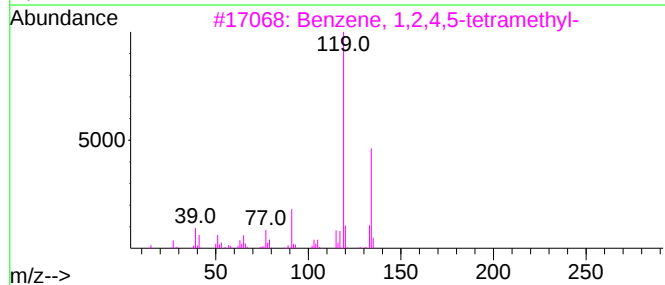
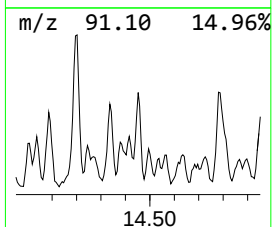
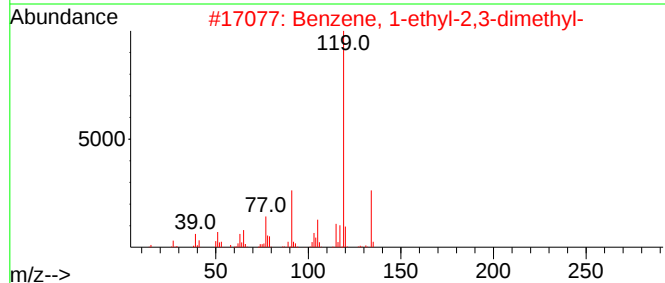
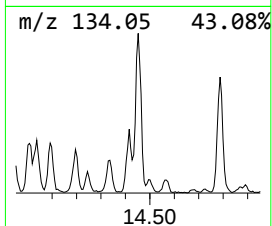
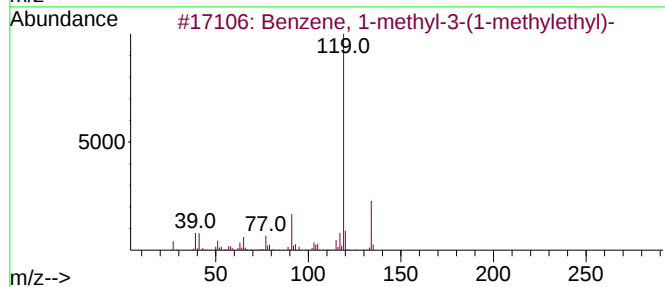
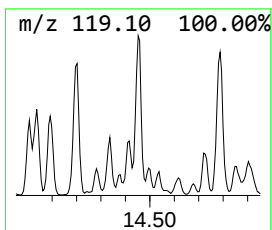
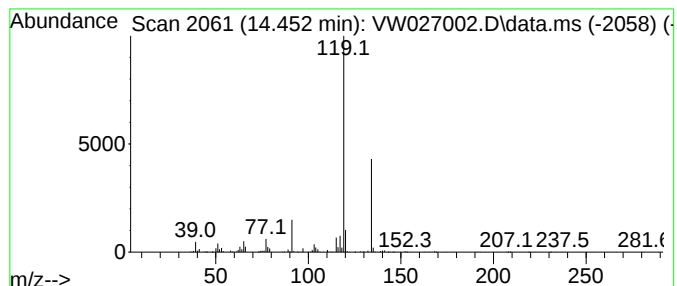
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 Benzene, 1-methyl-3-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	21.10 ug/L	416100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

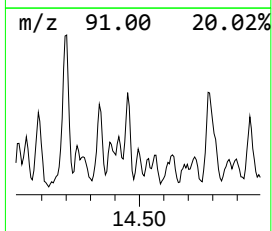
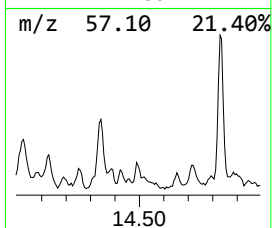
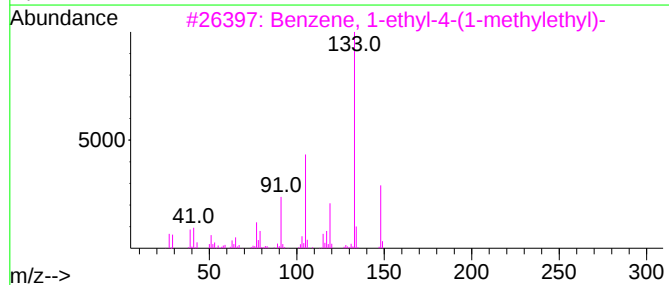
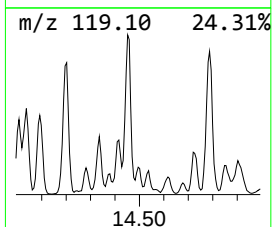
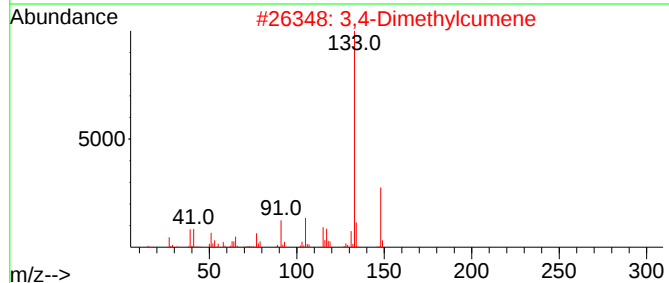
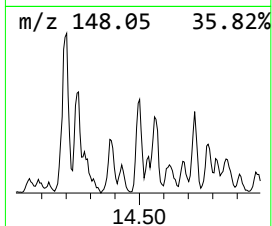
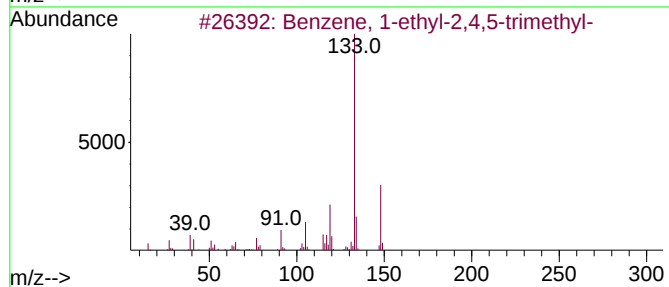
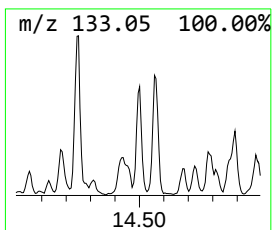
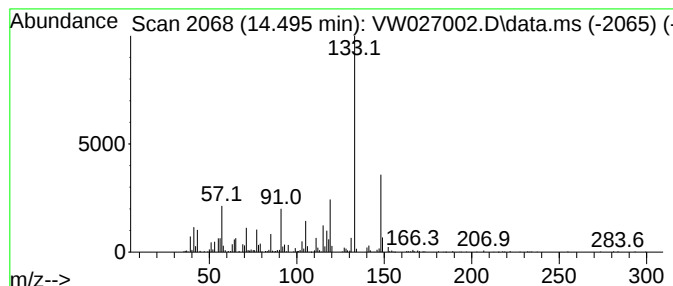
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	9.25 ug/L	182388	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	86
2			3,4-Dimethylcumene	148	C11H16	1000370-34-1	83
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	83
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	83
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

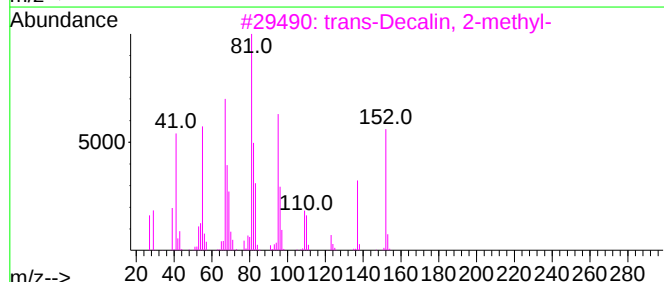
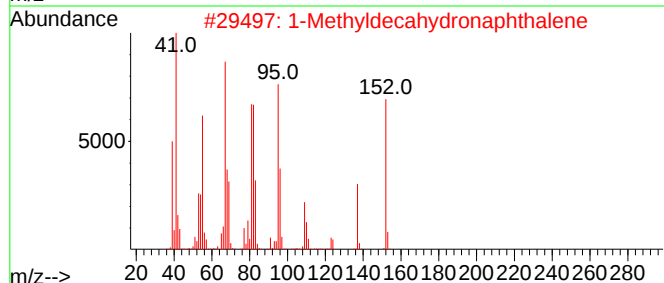
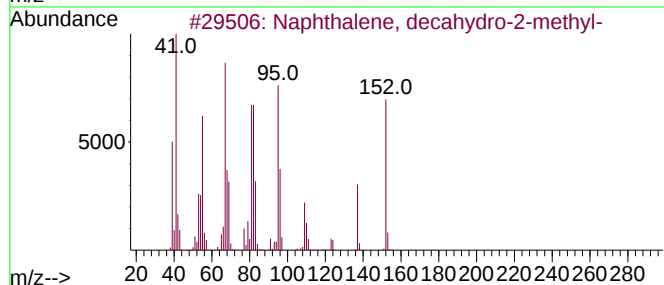
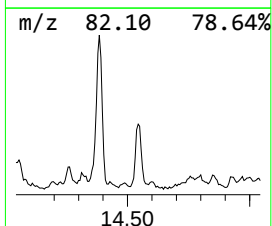
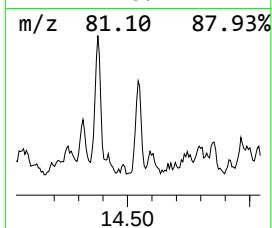
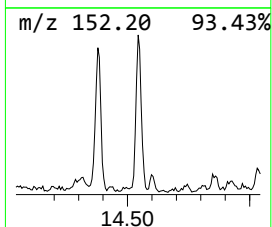
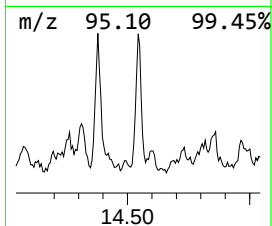
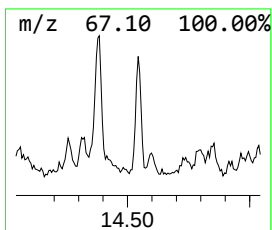
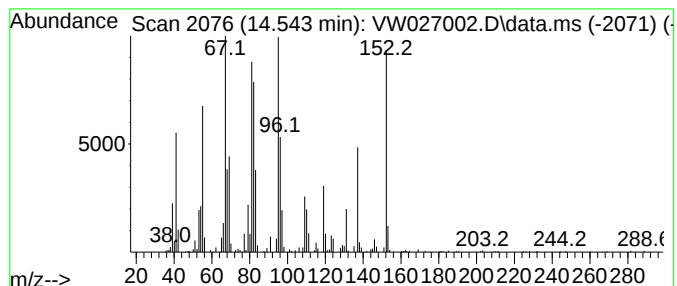
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 Naphthalene, decahydro-2-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	21.70 ug/L	427936	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
5			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

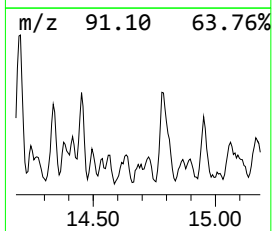
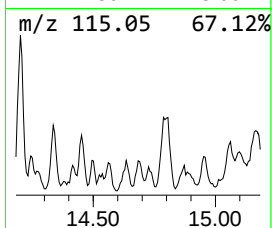
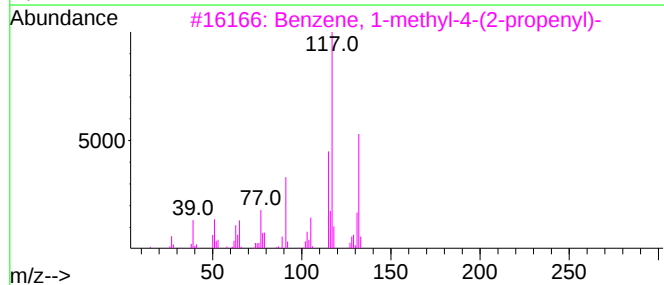
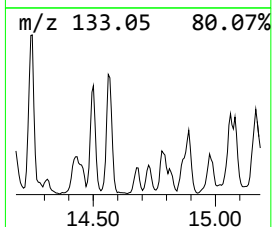
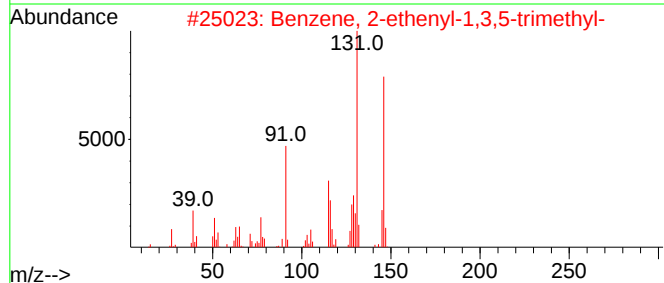
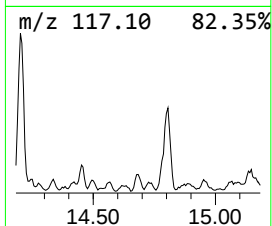
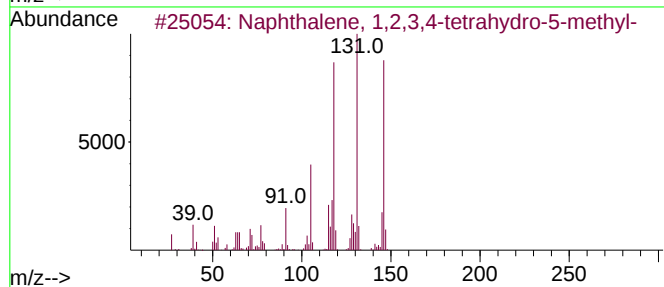
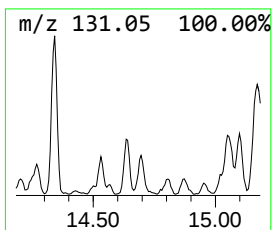
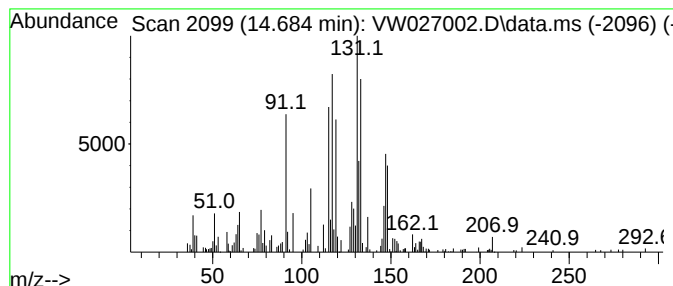
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 unknown-03 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	3.76 ug/L	74088	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49
2			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	38
3			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	35
4			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	30
5			1H-Pyrrolo[2,3-b]pyridine, 1-met...	132	C8H8N2	027257-15-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

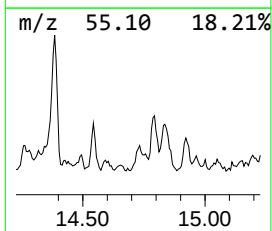
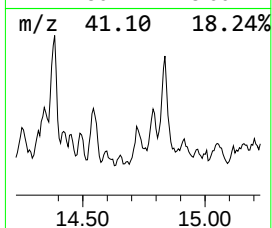
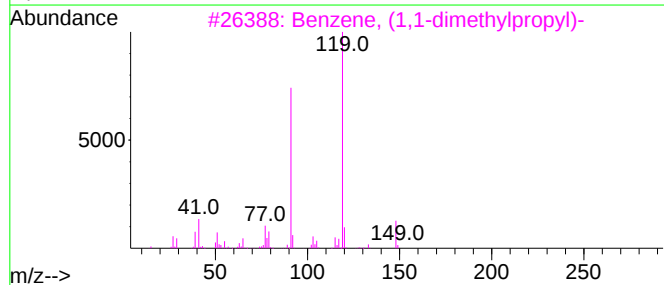
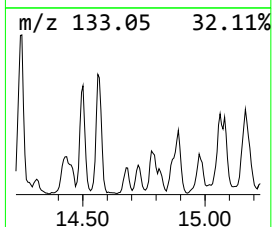
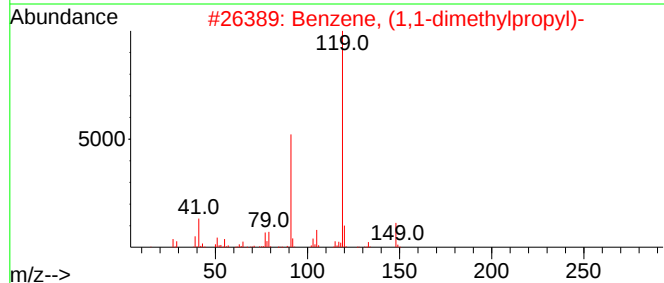
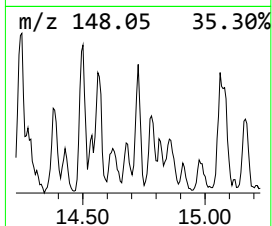
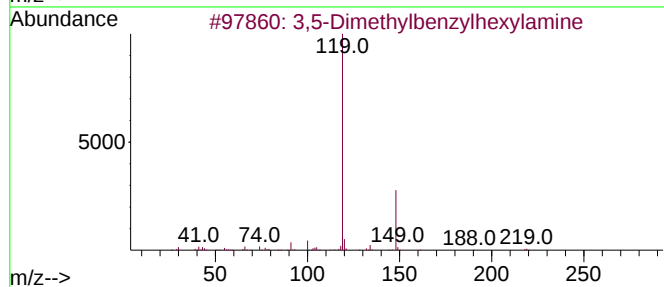
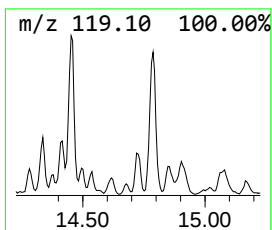
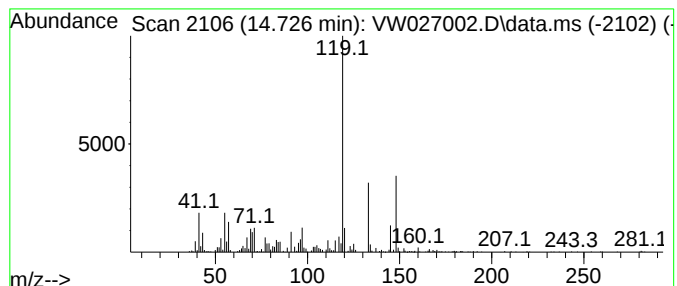
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 3,5-Dimethylbenzylhexylamine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.726	9.43 ug/L	186082	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3,5-Dimethylbenzylhexylamine	219	C15H25N	1000491-60-9	53
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
4		Diglycolic acid, 2-acetylphenyl ...	350	C19H26O6	1000382-72-3	47
5		p-Cymene	134	C10H14	000099-87-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

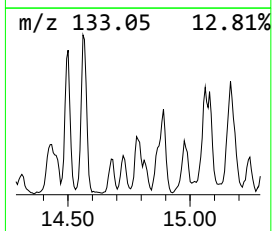
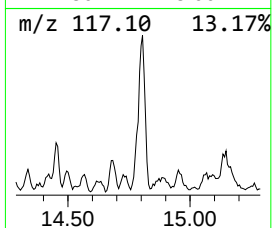
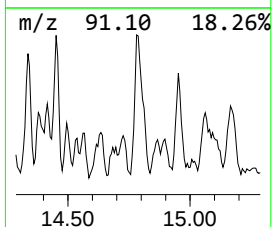
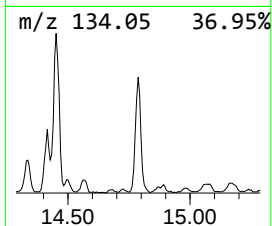
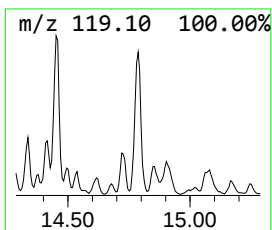
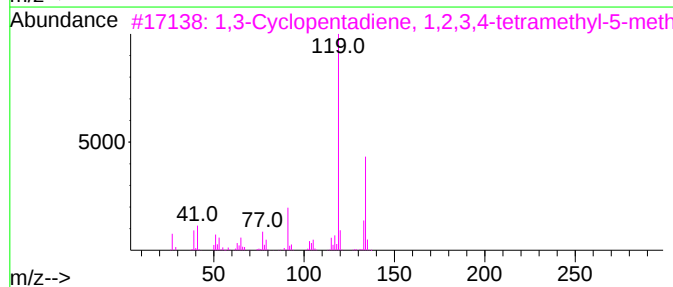
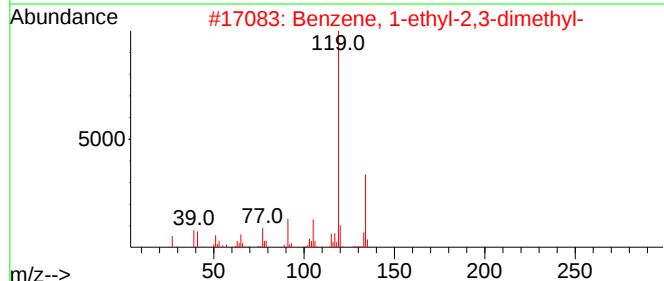
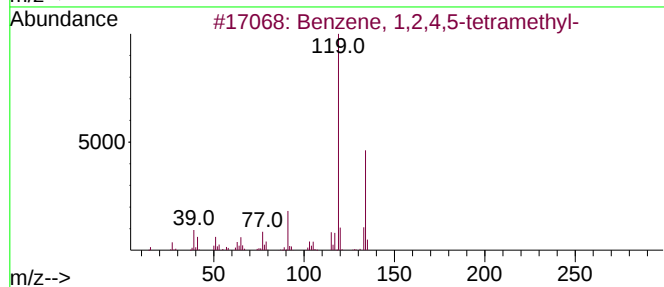
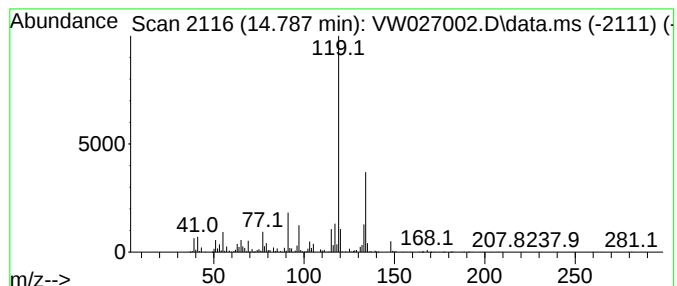
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	36.48 ug/L	719635	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5			p-Cymene	134	C10H14	000099-87-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

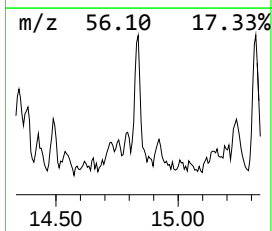
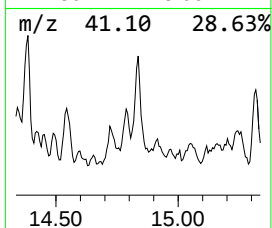
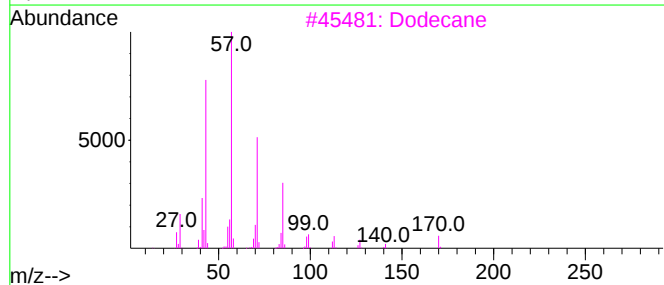
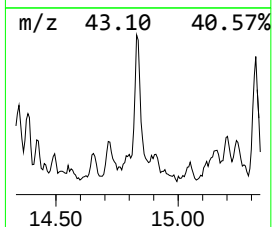
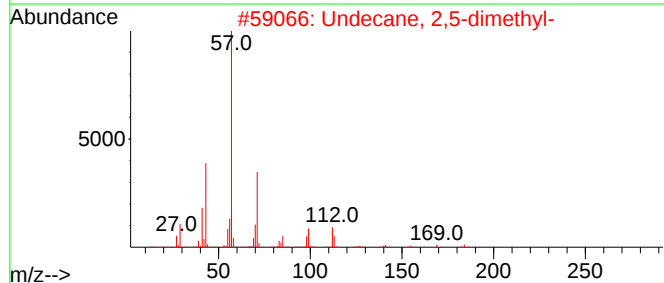
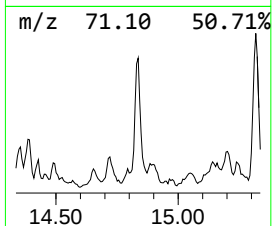
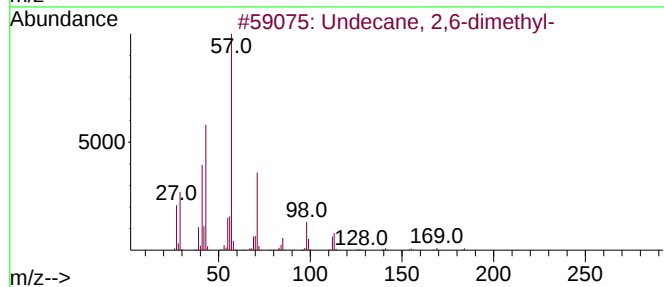
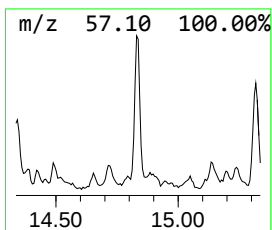
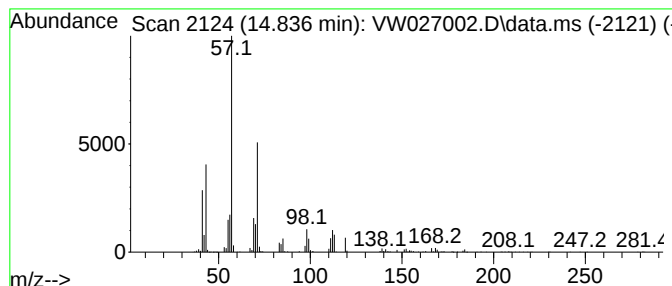
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	17.07 ug/L	336735	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81
2		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60
3		Dodecane	170	C12H26	000112-40-3	59
4		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	59
5		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

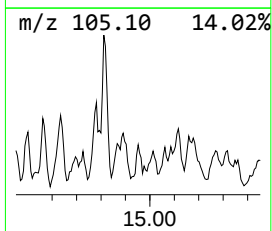
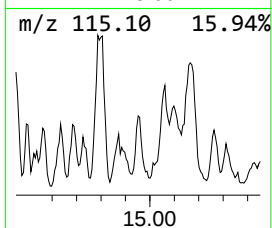
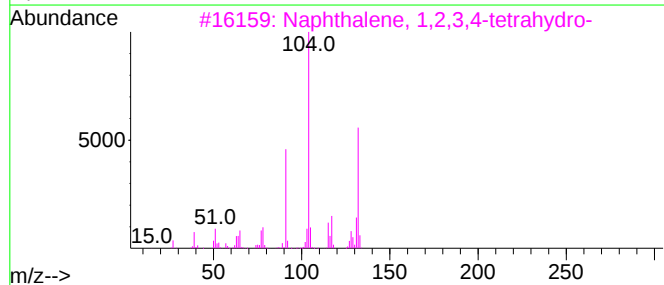
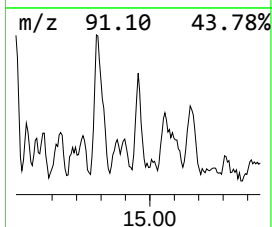
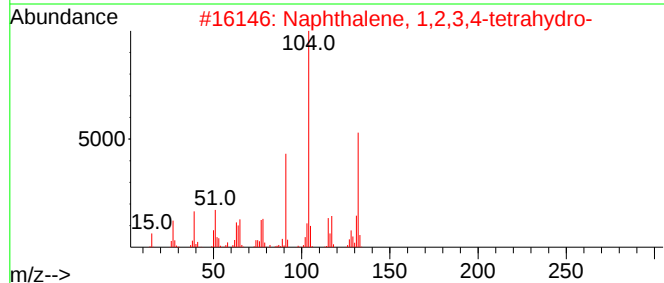
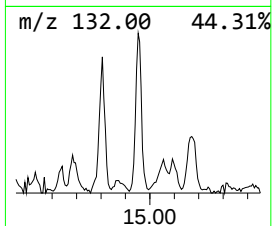
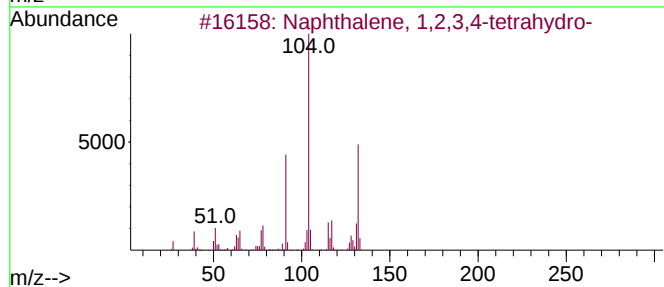
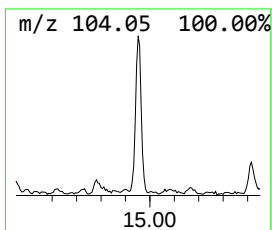
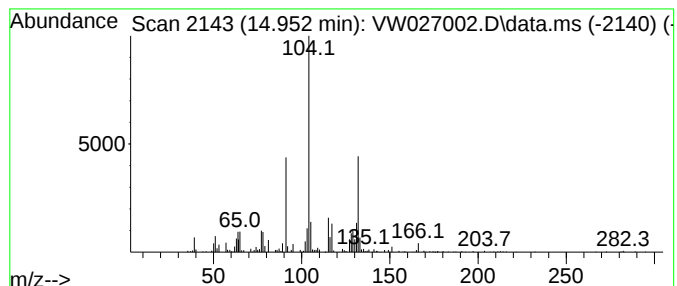
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	6.51 ug/L	128391	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
4			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

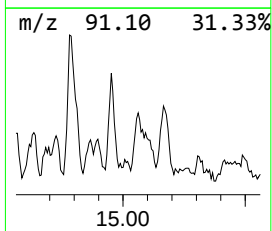
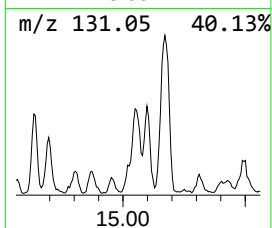
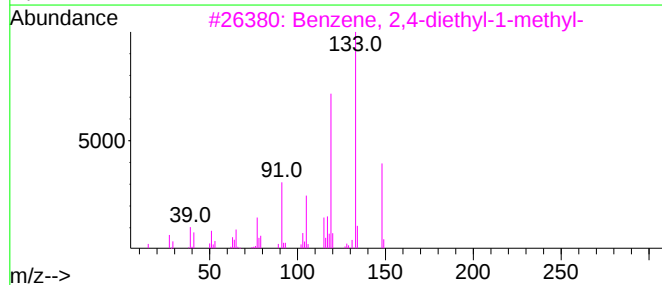
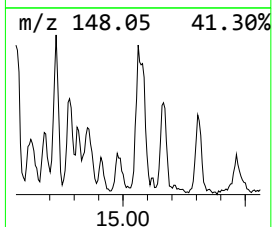
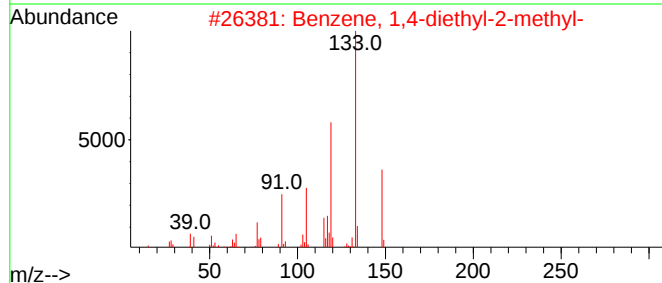
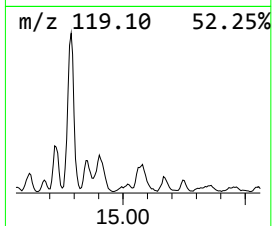
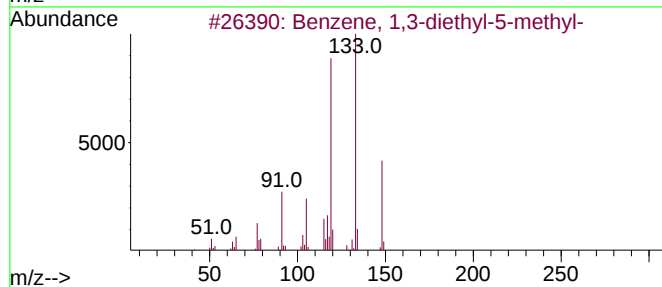
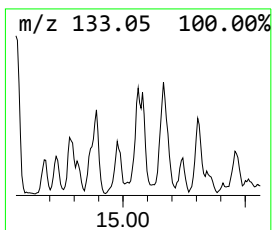
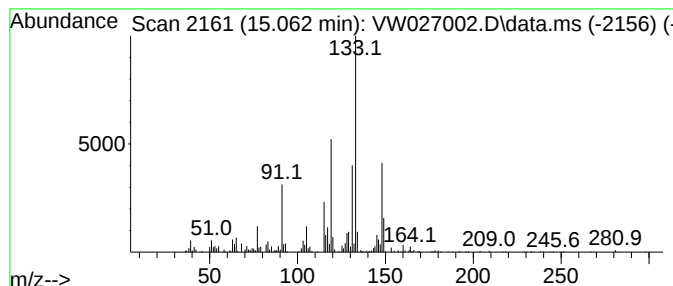
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.062	11.68 ug/L	230339	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
2			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	68
3			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	68
4			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
5			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

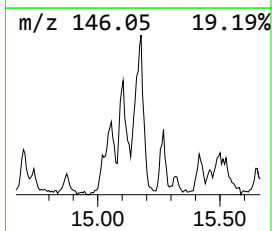
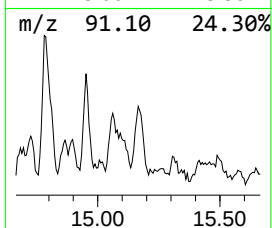
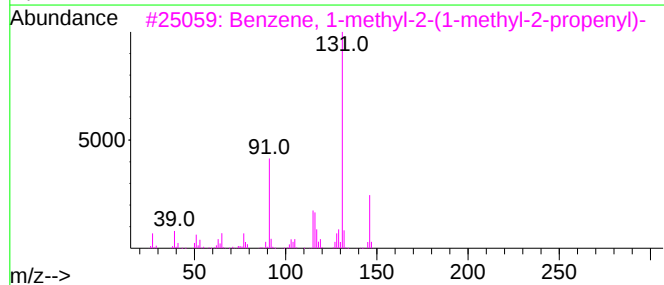
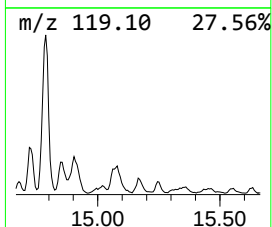
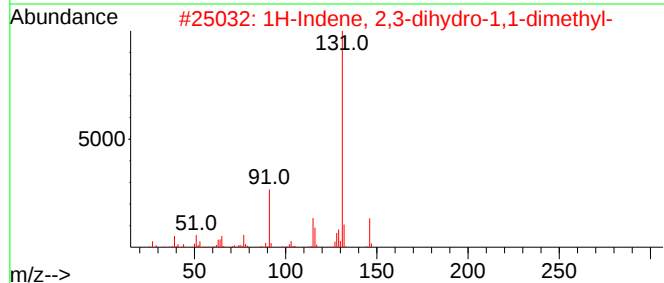
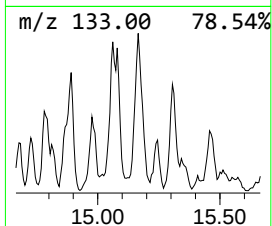
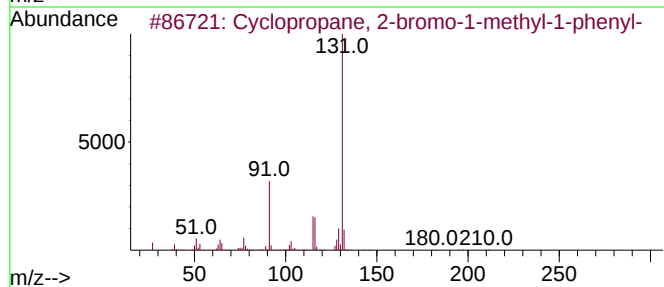
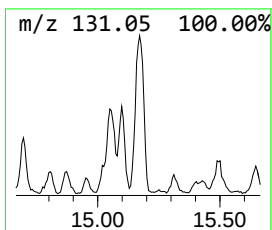
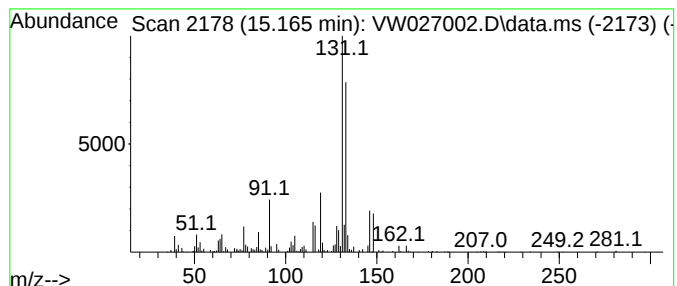
Instrument :
MSVOA_W
ClientSampleId :
EZYX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 45 Cyclopropane, 2-bromo-1-met... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.165	22.50 ug/L	443794	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	86
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	50
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

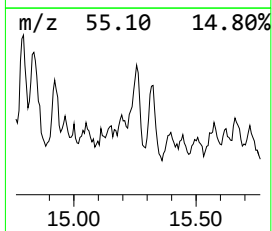
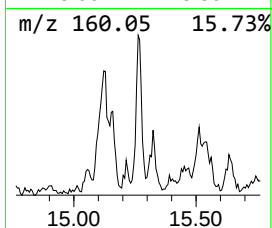
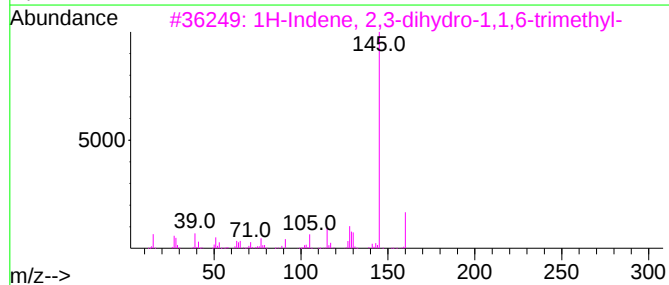
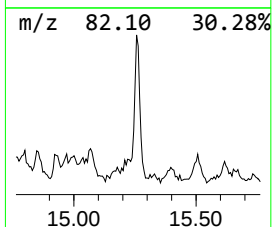
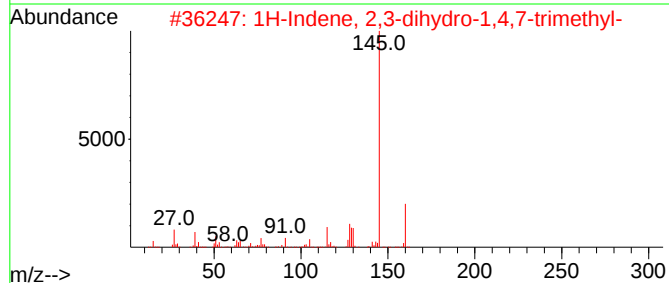
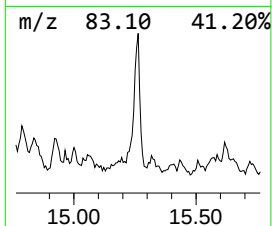
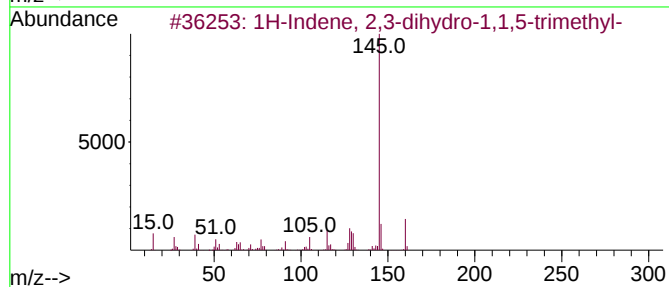
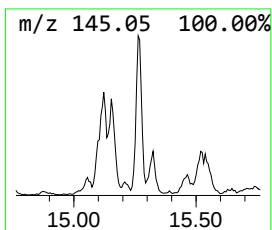
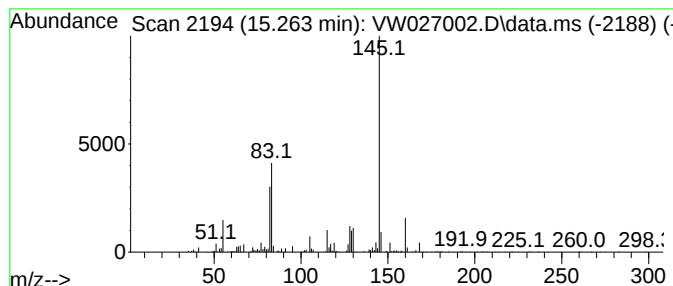
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.263	15.34 ug/L	302619	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	91
2			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	90
3			1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	78
4			1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	78
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

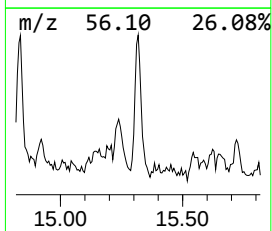
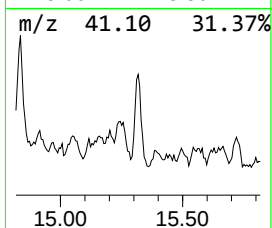
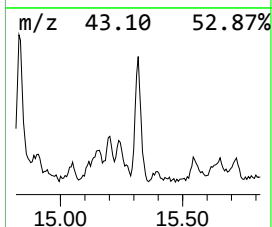
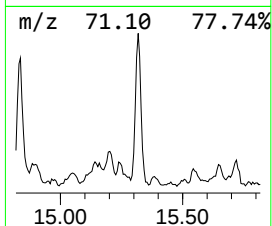
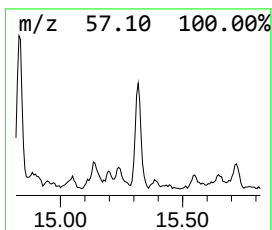
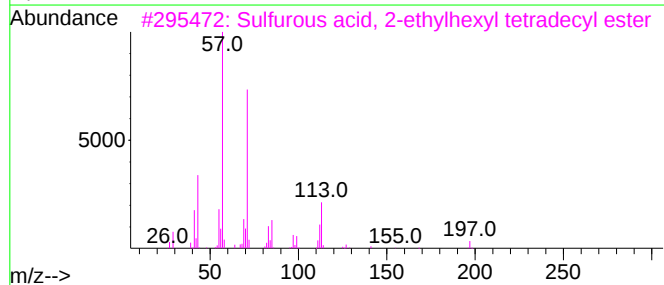
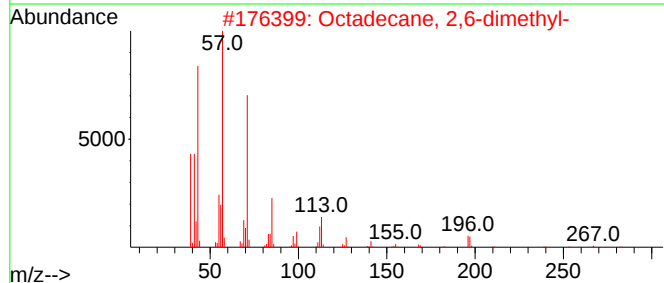
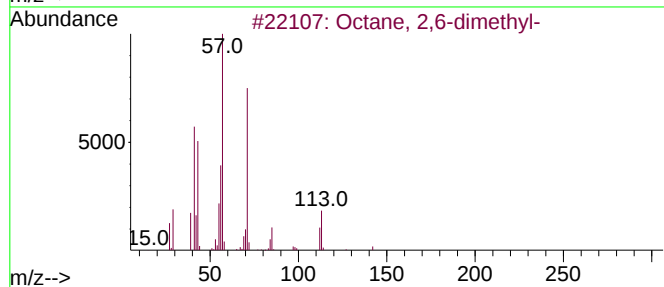
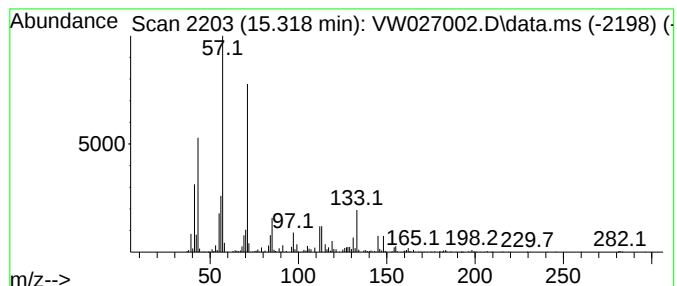
Instrument :
MSVOA_W
ClientSampleId :
EZYX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.318	19.56 ug/L	385818	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	58
3	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	53
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52
5	Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

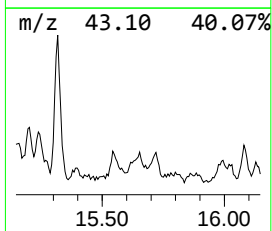
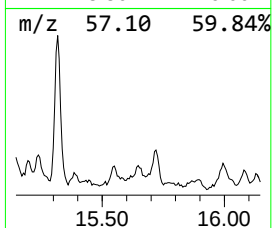
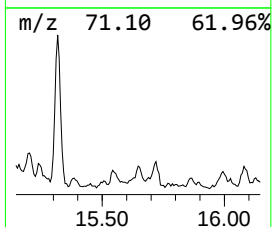
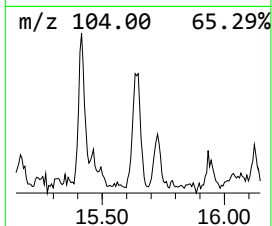
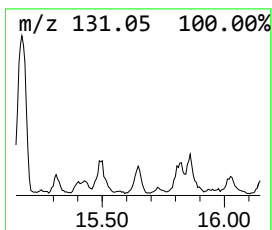
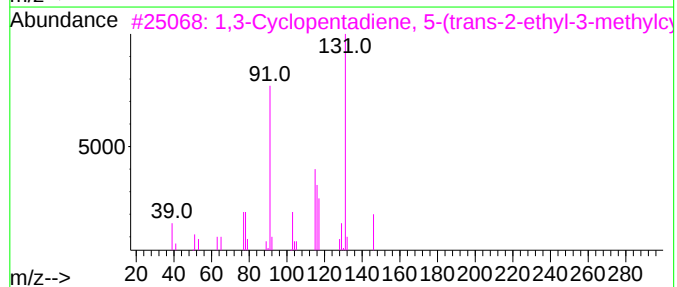
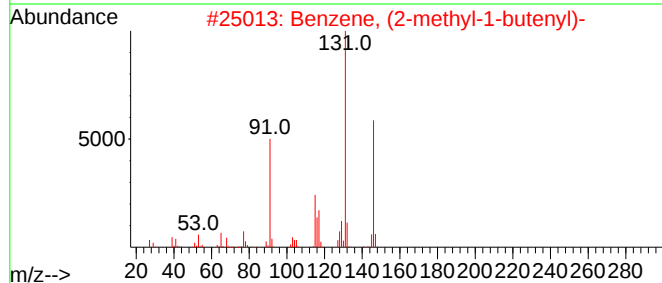
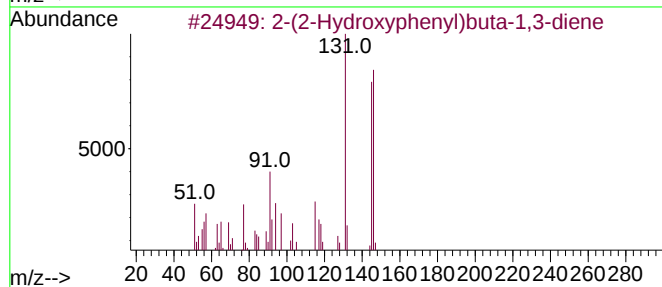
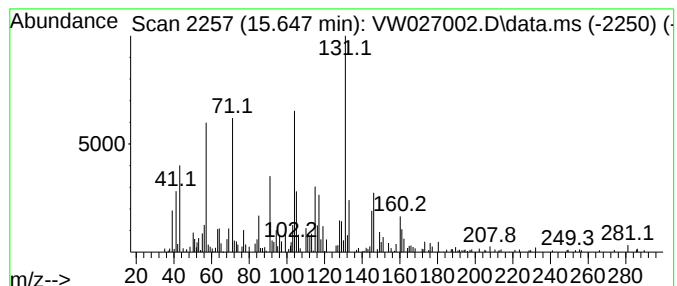
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 unknown-04

Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.647	9.06 ug/L	178640	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	46		
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46		
3	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	46		
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	42		
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	42		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

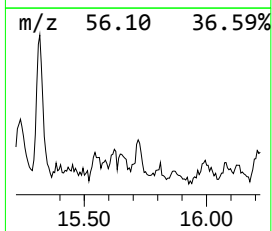
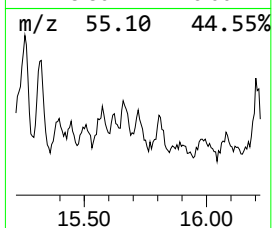
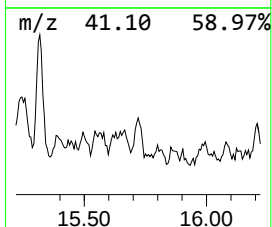
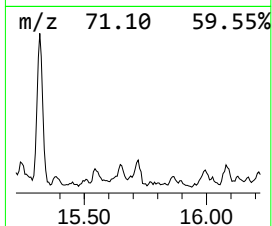
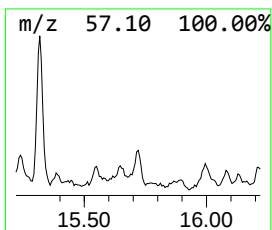
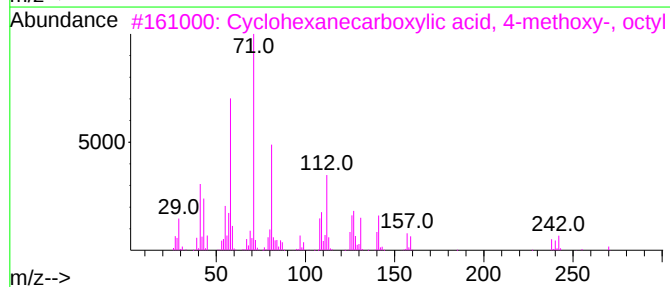
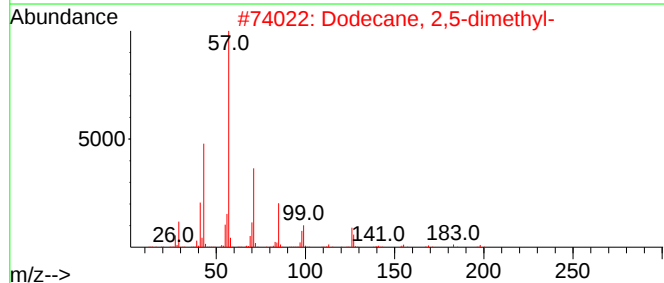
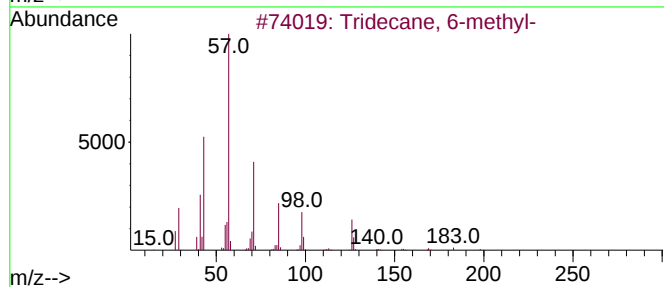
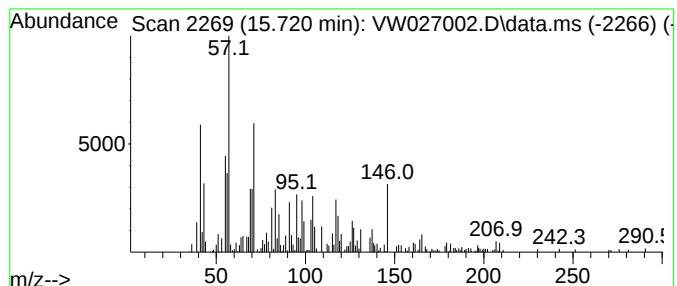
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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	6.02 ug/L	118813	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	30
2			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	25
3			Cyclohexanecarboxylic acid, 4-me...	270	C16H30O3	1000406-19-6	25
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	22
5			Triacontane	422	C30H62	000638-68-6	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

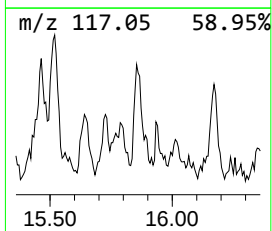
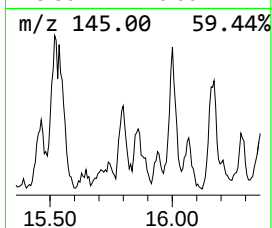
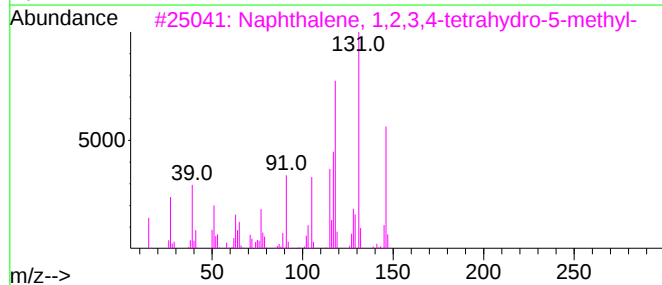
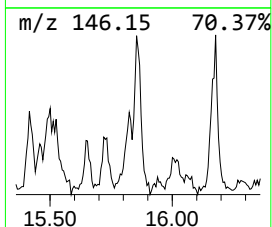
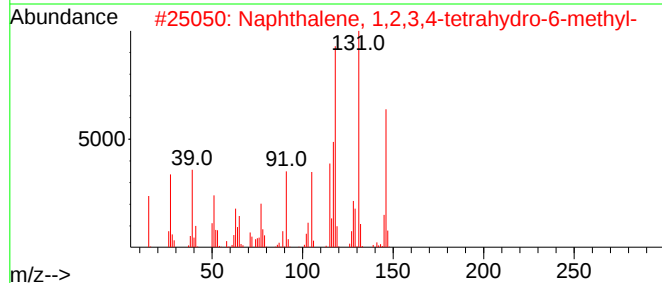
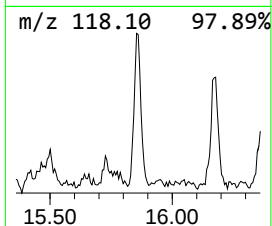
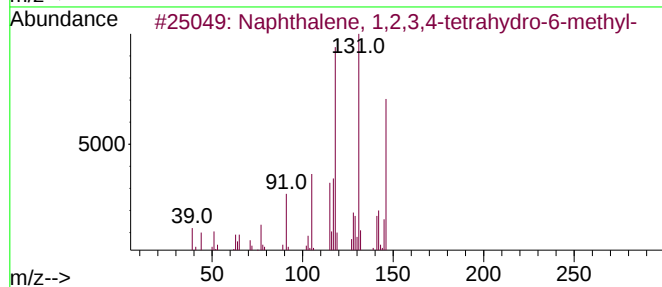
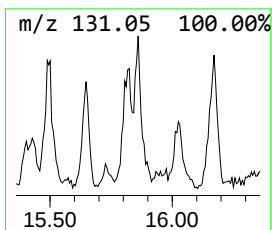
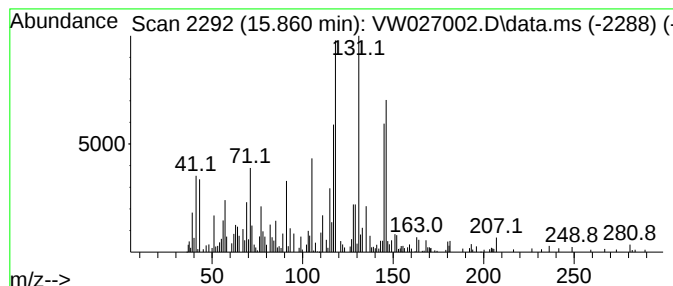
Instrument :
MSVOA_W
ClientSampleId :
EZYX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.860	4.34 ug/L	85647	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...		146	C11H14	001680-51-9	70
2	Naphthalene, 1,2,3,4-tetrahydro-...		146	C11H14	001680-51-9	70
3	Naphthalene, 1,2,3,4-tetrahydro-...		146	C11H14	002809-64-5	64
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...		146	C11H14	1010189-31-0	62
5	Naphthalene, 1,2,3,4-tetrahydro-...		146	C11H14	001680-51-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
Data File : VW027002.D
Acq On : 07 Sep 2023 14:13
Operator : SY/MD
Sample : 04330-07
Misc : 5.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYX8

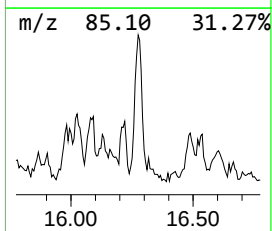
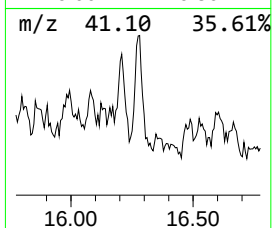
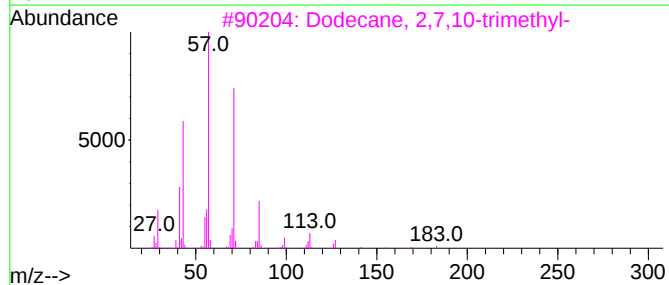
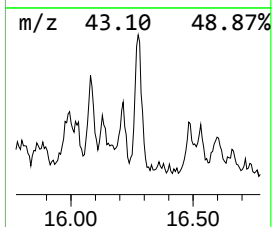
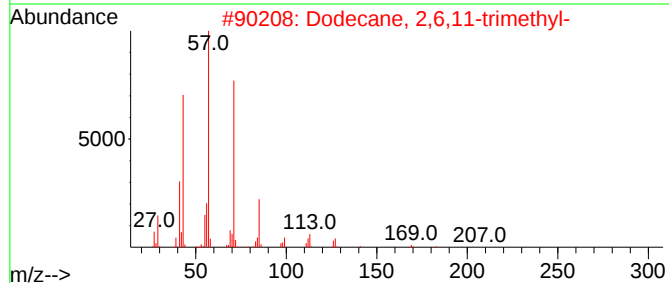
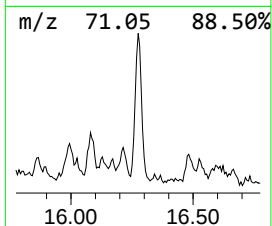
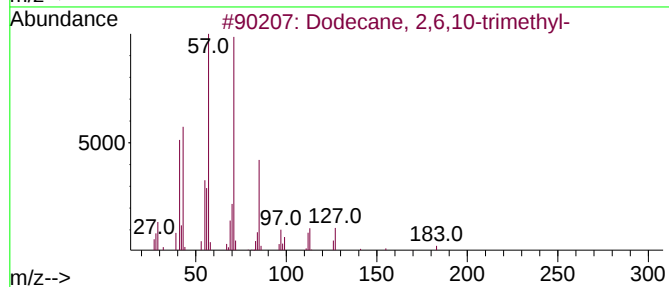
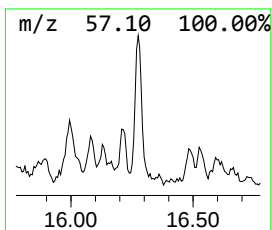
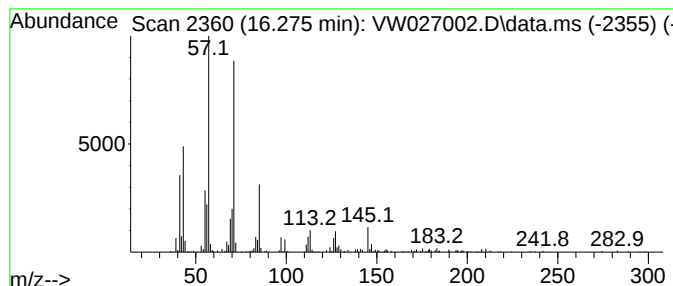
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	9.97 ug/L	196677	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	74
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
 Data File : VW027002.D
 Acq On : 07 Sep 2023 14:13
 Operator : SY/MD
 Sample : 04330-07
 Misc : 5.26g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	1.960	2.2	ug/L	116199	1	8.843	1317760	25.0
(DEL) Alkane: C...	10.502	1.9	ug/L	91432	2	11.629	1189900	25.0
(DEL) Alkane: C...	10.666	1.9	ug/L	90197	2	11.629	1189900	25.0
(DEL) Alkane: C...	11.178	3.4	ug/L	162019	2	11.629	1189900	25.0
(DEL) Alkane: C...	11.227	3.6	ug/L	171955	2	11.629	1189900	25.0
(2-Piperidin-3-...	11.337	1.4	ug/L	67801	2	11.629	1189900	25.0
(DEL) Alkane: S...	11.410	2.0	ug/L	96295	2	11.629	1189900	25.0
(DEL) Alkane: S...	11.507	2.5	ug/L	121560	2	11.629	1189900	25.0
2H-Pyran, 2-[(1...	12.044	1.7	ug/L	82425	2	11.629	1189900	25.0
(DEL) Alkane: S...	12.251	5.5	ug/L	259369	2	11.629	1189900	25.0
Dodecyl isobuty...	12.361	24.8	ug/L	1180750	2	11.629	1189900	25.0
(DEL) Alkane: S...	12.538	6.7	ug/L	320682	2	11.629	1189900	25.0
3,6-Epoxy-2H,8H...	12.617	3.6	ug/L	72080	3	13.556	493108	25.0
(DEL) Alkane: S...	12.775	23.5	ug/L	463285	3	13.556	493108	25.0
(DEL) Alkane: C...	12.861	16.1	ug/L	317901	3	13.556	493108	25.0
(DEL) Alkane: C...	13.080	8.7	ug/L	171266	3	13.556	493108	25.0
(DEL) Alkane: S...	13.160	26.2	ug/L	516174	3	13.556	493108	25.0
(DEL) Alkane: S...	13.342	4.3	ug/L	85449	3	13.556	493108	25.0
Benzene, (1-met...	13.373	9.7	ug/L	190988	3	13.556	493108	25.0
p-Cymene	13.440	42.0	ug/L	828921	3	13.556	493108	25.0
(DEL) Alkane: S...	13.483	20.0	ug/L	393885	3	13.556	493108	25.0
(DEL) Alkane: S...	13.696	6.3	ug/L	124445	3	13.556	493108	25.0
unknown-01	13.745	3.9	ug/L	76446	3	13.556	493108	25.0
Benzene, 2-ethy...	13.788	3.9	ug/L	76287	3	13.556	493108	25.0
Ethanone, 1-(1-...	13.916	1.6	ug/L	32140	3	13.556	493108	25.0
Benzene, 1-meth...	13.946	1.6	ug/L	31995	3	13.556	493108	25.0
o-Cymene	14.007	9.4	ug/L	184799	3	13.556	493108	25.0
Benzene, 1,2,3,...	14.086	11.1	ug/L	219060	3	13.556	493108	25.0
unknown-02	14.202	39.6	ug/L	781492	3	13.556	493108	25.0
Benzene, 1,3-di...	14.251	22.6	ug/L	445412	3	13.556	493108	25.0
1H-Indene, 2,3-...	14.336	29.9	ug/L	590129	3	13.556	493108	25.0
(DEL) Alkane: C...	14.385	32.1	ug/L	632583	3	13.556	493108	25.0
1,3-Cyclopentad...	14.415	12.2	ug/L	240781	3	13.556	493108	25.0
Benzene, 1-meth...	14.452	21.1	ug/L	416100	3	13.556	493108	25.0
Benzene, 1-ethy...	14.495	9.3	ug/L	182388	3	13.556	493108	25.0
Naphthalene, de...	14.543	21.7	ug/L	427936	3	13.556	493108	25.0
unknown-03	14.684	3.8	ug/L	74088	3	13.556	493108	25.0
3,5-Dimethylben...	14.726	9.4	ug/L	186082	3	13.556	493108	25.0
Benzene, 1,2,4,...	14.787	36.5	ug/L	719635	3	13.556	493108	25.0
(DEL) Alkane: S...	14.836	17.1	ug/L	336735	3	13.556	493108	25.0
Naphthalene, 1,...	14.952	6.5	ug/L	128391	3	13.556	493108	25.0
Benzene, 1,3-di...	15.062	11.7	ug/L	230339	3	13.556	493108	25.0
Cyclopropane, 2...	15.165	22.5	ug/L	443794	3	13.556	493108	25.0
1H-Indene, 2,3-...	15.263	15.3	ug/L	302619	3	13.556	493108	25.0
(DEL) Alkane: S...	15.318	19.6	ug/L	385818	3	13.556	493108	25.0
unknown-04	15.647	9.1	ug/L	178640	3	13.556	493108	25.0
(DEL) Alkane: S...	15.720	6.0	ug/L	118813	3	13.556	493108	25.0
Naphthalene, 1,...	15.860	4.3	ug/L	85647	3	13.556	493108	25.0
(DEL) Alkane: S...	16.275	10.0	ug/L	196677	3	13.556	493108	25.0