

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026501.D
 Acq On : 01 Jul 2023 03:36
 Operator : SY/MD
 Sample : 03501-04
 Misc : 4.52g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46W1

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\SFAMWLM062923SMA.M
 Title : SFAM01.0

Signal : TIC: VW026501.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.966	9	13	40	rVB3	132320	464437	3.18%	0.387%
2	2.369	71	79	91	rBV2	228979	609597	4.17%	0.508%
3	2.625	117	121	129	rBV9	10317	23721	0.16%	0.020%
4	2.924	158	170	185	rVV2	201638	823760	5.63%	0.686%
5	3.789	301	312	323	rBV2	26924	96574	0.66%	0.080%
6	4.021	338	350	360	rBV3	259416	1072895	7.34%	0.894%
7	4.112	362	365	378	rVB	148864	374704	2.56%	0.312%
8	4.387	404	410	416	rVV	10580	26106	0.18%	0.022%
9	4.923	486	498	504	rBV4	28342	98642	0.67%	0.082%
10	5.015	508	513	525	rVB2	20953	64835	0.44%	0.054%
11	6.216	699	710	725	rVV	130568	404134	2.76%	0.337%
12	7.075	843	851	858	rVV	81151	228042	1.56%	0.190%
13	7.167	858	866	883	rVV	281418	777388	5.32%	0.648%
14	7.648	933	945	962	rBV	434292	1069570	7.31%	0.891%
15	7.874	969	982	988	rBV	62642	166224	1.14%	0.138%
16	7.953	988	995	1002	rVV3	33813	104735	0.72%	0.087%
17	8.038	1002	1009	1016	rVB3	10467	29432	0.20%	0.025%
18	8.154	1021	1028	1035	rBV2	23415	50144	0.34%	0.042%
19	8.276	1035	1048	1063	rBV2	838875	2511991	17.18%	2.093%
20	8.435	1063	1074	1076	rBV6	12194	39256	0.27%	0.033%
21	8.569	1092	1096	1107	rVB5	15484	34093	0.23%	0.028%
22	8.843	1129	1141	1152	rBV	1142322	2292704	15.68%	1.910%
23	9.087	1171	1181	1193	rBV5	95599	261302	1.79%	0.218%
24	9.270	1203	1211	1218	rBV	599095	1296052	8.86%	1.080%
25	9.331	1218	1221	1227	rVV2	132750	261374	1.79%	0.218%
26	9.380	1227	1229	1236	rVB2	19867	33457	0.23%	0.028%
27	9.605	1257	1266	1271	rVB4	21209	46775	0.32%	0.039%
28	9.752	1283	1290	1296	rVB3	27946	59162	0.40%	0.049%
29	9.892	1304	1313	1318	rBV2	23685	48356	0.33%	0.040%
30	9.953	1318	1323	1328	rVV2	27099	61887	0.42%	0.052%
31	10.032	1331	1336	1342	rVV	262142	488684	3.34%	0.407%
32	10.087	1342	1345	1359	rVB3	36297	102124	0.70%	0.085%
33	10.245	1362	1371	1376	rVB2	15390	30157	0.21%	0.025%
34	10.319	1376	1383	1390	rBV	1373370	2553264	17.46%	2.127%
35	10.386	1390	1394	1400	rVV	89195	165070	1.13%	0.138%
36	10.495	1407	1412	1420	rVB5	33589	81835	0.56%	0.068%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Title : SFAM01.0

37	10.575	1420	1425	1435	rBV	193228	350819	2.40%	0.292%
38	10.666	1435	1440	1444	rBV2	37846	61318	0.42%	0.051%
39	10.757	1450	1455	1460	rBV3	27730	58218	0.40%	0.048%
40	10.861	1465	1472	1477	rBV2	128268	240408	1.64%	0.200%
41	10.922	1477	1482	1492	rBV2	374868	678496	4.64%	0.565%
42	11.032	1495	1500	1508	rVB	39024	79633	0.54%	0.066%
43	11.105	1508	1512	1515	rBV3	16255	25329	0.17%	0.021%
44	11.178	1520	1524	1528	rBV	46528	66346	0.45%	0.055%
45	11.227	1528	1532	1537	rBV	87082	146649	1.00%	0.122%
46	11.288	1538	1542	1544	rBV3	26082	43057	0.29%	0.036%
47	11.337	1545	1550	1554	rBV2	72895	139947	0.96%	0.117%
48	11.379	1554	1557	1559	rBV3	25085	34466	0.24%	0.029%
49	11.507	1574	1578	1590	rVB	89821	165119	1.13%	0.138%
50	11.629	1591	1598	1607	rBV	1746104	2954240	20.20%	2.461%
51	11.727	1610	1614	1617	rBV2	39327	57369	0.39%	0.048%
52	11.824	1623	1630	1634	rBV5	73761	190851	1.30%	0.159%
53	11.873	1634	1638	1642	rVB	92761	130986	0.90%	0.109%
54	11.910	1642	1644	1649	rVB3	79835	116585	0.80%	0.097%
55	11.971	1650	1654	1656	rBV3	25005	37988	0.26%	0.032%
56	12.007	1657	1660	1664	rBV4	17482	28898	0.20%	0.024%
57	12.056	1664	1668	1673	rVB3	71284	123274	0.84%	0.103%
58	12.135	1673	1681	1683	rBV3	246561	482590	3.30%	0.402%
59	12.251	1692	1700	1704	rVB	347810	647310	4.43%	0.539%
60	12.361	1704	1718	1725	rBV4	430244	1576542	10.78%	1.313%
61	12.501	1730	1741	1750	rVB7	241535	945395	6.46%	0.788%
62	12.617	1756	1760	1765	rVB4	171317	296225	2.03%	0.247%
63	12.690	1765	1772	1779	rBV2	631439	1459449	9.98%	1.216%
64	12.775	1783	1786	1792	rVB3	393027	655472	4.48%	0.546%
65	12.855	1792	1799	1802	rBV5	295216	601847	4.11%	0.501%
66	12.940	1803	1813	1817	rBV5	1159480	3594048	24.57%	2.994%
67	13.074	1832	1835	1839	rVB	454470	604153	4.13%	0.503%
68	13.123	1839	1843	1846	rBV3	289330	414872	2.84%	0.346%
69	13.159	1846	1849	1855	rVV5	382409	603613	4.13%	0.503%
70	13.257	1863	1865	1866	rBV2	107835	102062	0.70%	0.085%
71	13.288	1866	1870	1874	rVV	691500	975266	6.67%	0.812%
72	13.342	1874	1879	1882	rVV	645299	995088	6.80%	0.829%
73	13.373	1882	1884	1887	rVV3	360441	480480	3.29%	0.400%
74	13.446	1887	1896	1899	rVV5	1418626	3019425	20.64%	2.515%
75	13.483	1899	1902	1908	rVB5	614354	930656	6.36%	0.775%
76	13.556	1909	1914	1917	rVV	1078832	1663556	11.37%	1.386%

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 Title : SFAM01.0

77	13.586	1917	1919	1926	rVB3	481087	818465	5.60%	0.682%
78	13.696	1931	1937	1946	rBV6	677088	2086330	14.26%	1.738%
79	13.873	1958	1966	1970	rBV7	2397115	5306263	36.28%	4.420%
80	13.915	1970	1973	1979	rVB4	791770	1277361	8.73%	1.064%
81	13.976	1979	1983	1986	rBV3	945557	1272808	8.70%	1.060%
82	14.019	1987	1990	1993	rBV3	461242	797441	5.45%	0.664%
83	14.190	2014	2018	2023	rBV4	1041004	1821975	12.46%	1.518%
84	14.257	2025	2029	2035	rVB4	1409221	2269076	15.51%	1.890%
85	14.312	2035	2038	2042	rBV3	609521	772250	5.28%	0.643%
86	14.379	2043	2049	2054	rBV3	3627939	6734965	46.05%	5.611%
87	14.543	2072	2076	2082	rVB5	1632129	2601513	17.79%	2.167%
88	14.653	2091	2094	2098	rVB	756946	905502	6.19%	0.754%
89	14.732	2103	2107	2112	rBV5	1040901	1983210	13.56%	1.652%
90	14.793	2112	2117	2120	rVV2	2506200	4593648	31.41%	3.827%
91	14.836	2120	2124	2132	rVB4	3525318	7975940	54.53%	6.644%
92	15.001	2149	2151	2154	rBV4	469618	551927	3.77%	0.460%
93	15.116	2167	2170	2173	rVB4	631136	733251	5.01%	0.611%
94	15.318	2198	2203	2210	rVB	8994748	14625704	100.00%	12.184%
95	15.391	2210	2215	2220	rBV5	1357161	3162701	21.62%	2.635%
96	15.568	2240	2244	2249	rBV5	970082	1887470	12.91%	1.572%
97	15.622	2250	2253	2255	rBV3	884553	1257296	8.60%	1.047%
98	15.720	2265	2269	2277	rVB4	2218234	4465929	30.53%	3.720%
99	15.860	2289	2292	2296	rBV5	648557	1221450	8.35%	1.018%
100	16.275	2355	2360	2369	rVB	4321044	8288136	56.67%	6.904%

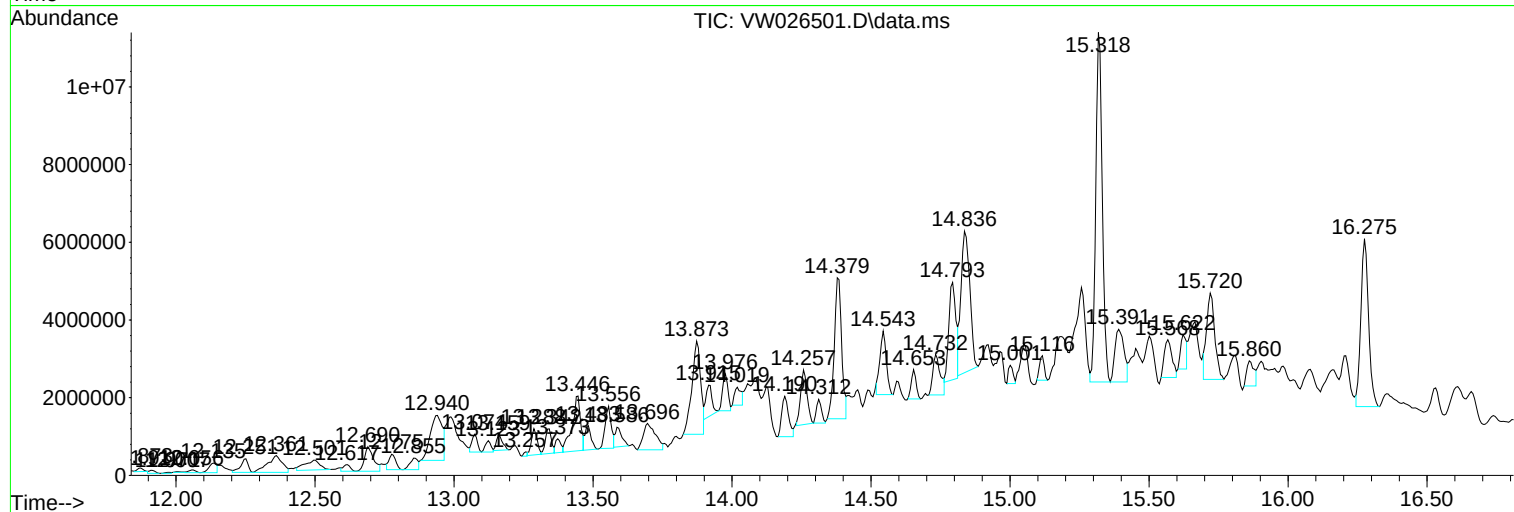
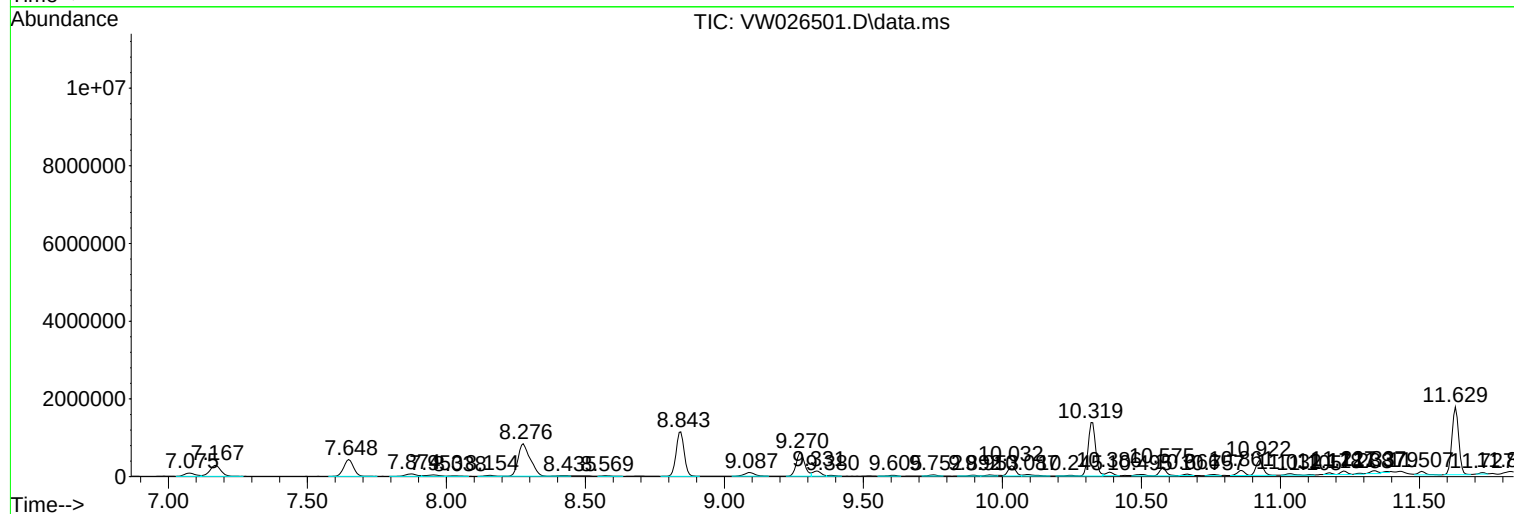
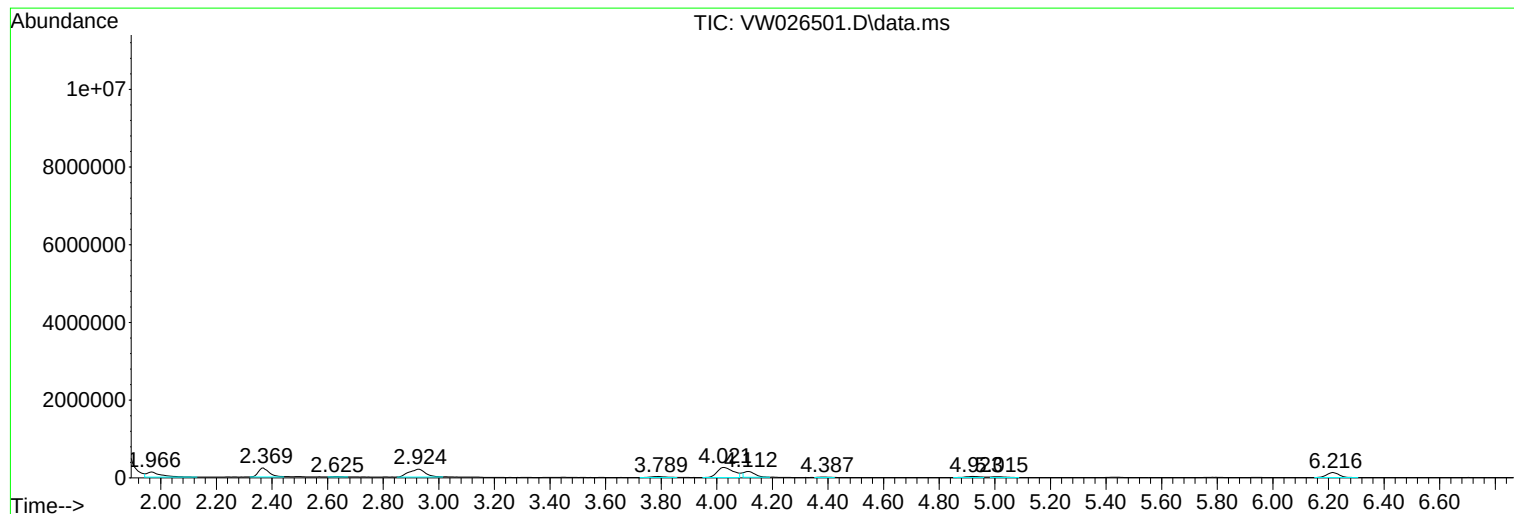
Sum of corrected areas: 120041139

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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



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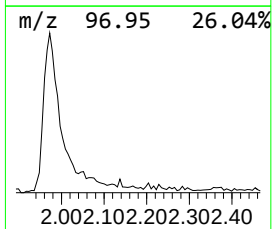
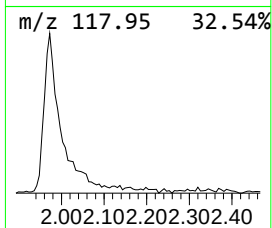
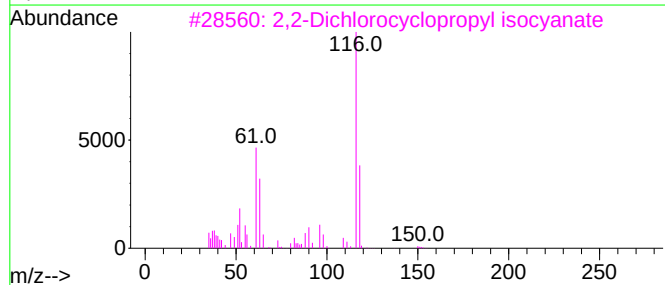
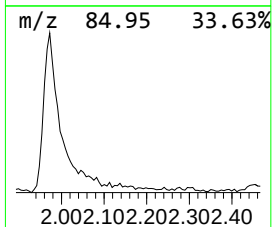
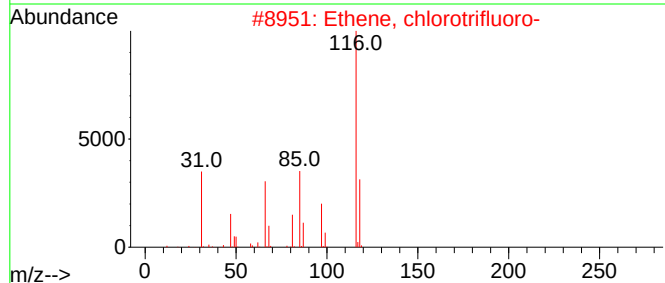
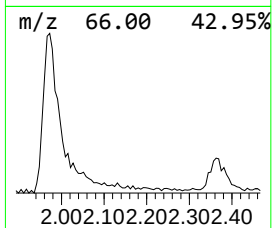
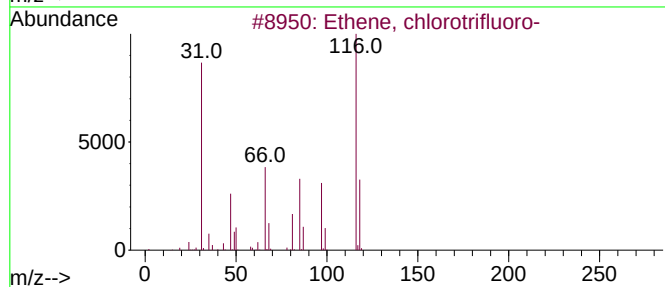
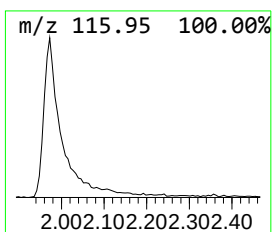
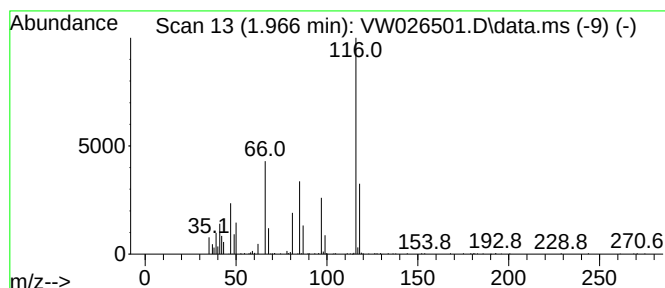
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 Ethene, chlorotrifluoro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.966	5.06 ug/L	464437	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethene, chlorotrifluoro-	116	C2ClF3	000079-38-9	98
2			Ethene, chlorotrifluoro-	116	C2ClF3	000079-38-9	95
3			2,2-Dichlorocyclopropyl isocyanate	151	C4H3Cl2NO	176041-73-9	10
4			5-(Hydroxymethyl)-3-(1-hydroxy-4...	230	C12H22O4	1217833-56-1	10
5			5-Chloro-1-methylimidazole	116	C4H5ClN2	000872-49-1	9



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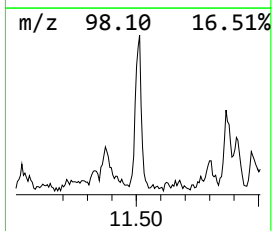
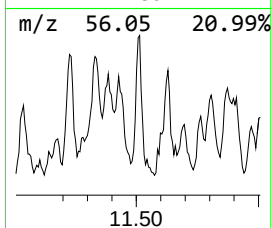
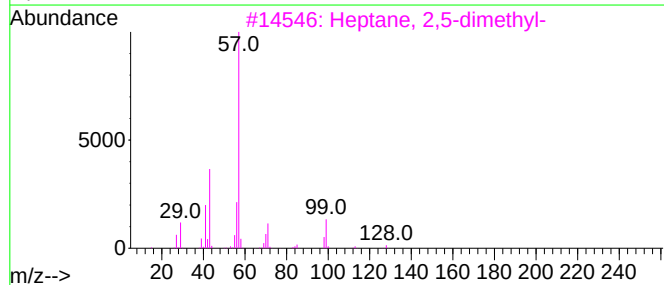
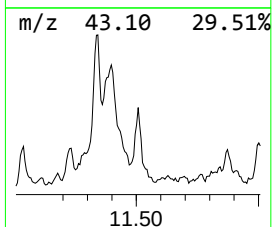
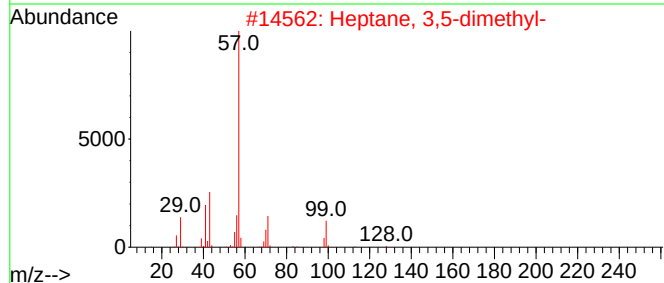
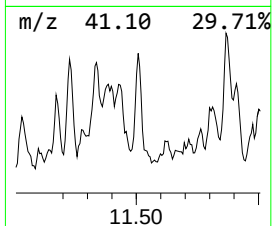
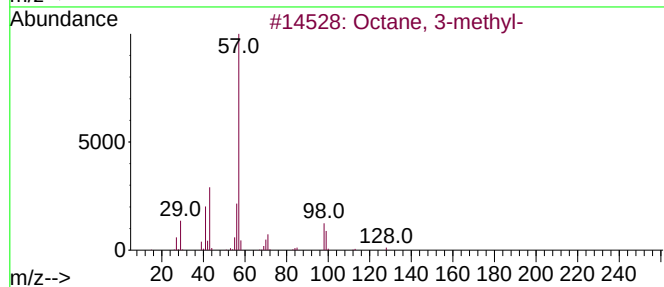
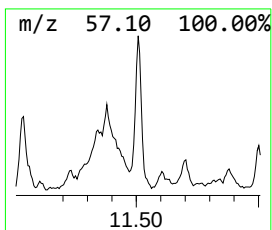
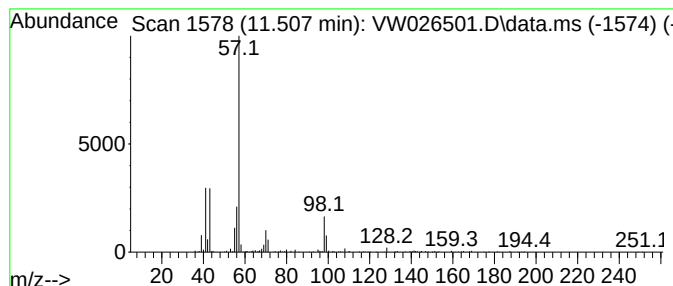
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.507	1.40 ug/L	165119	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	72
2	Heptane, 3,5-dimethyl-		128	C9H20	000926-82-9	59
3	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	59
4	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	59
5	Decane, 2,6,6-trimethyl-		184	C13H28	062108-24-1	53



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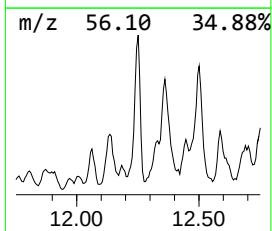
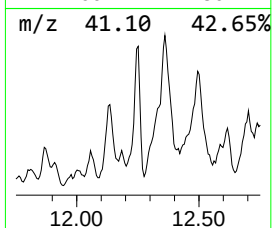
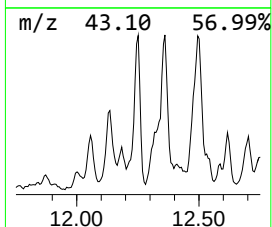
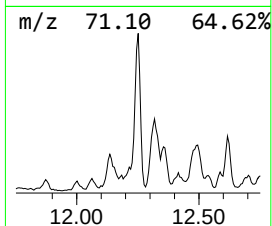
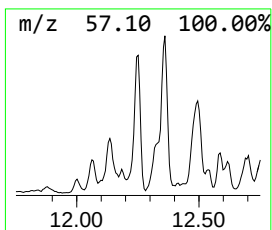
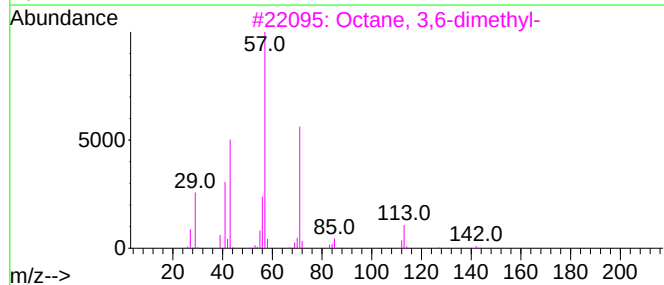
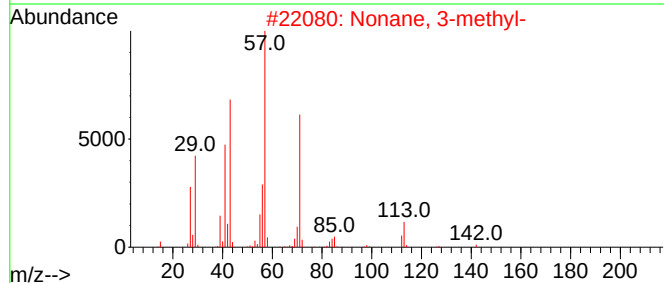
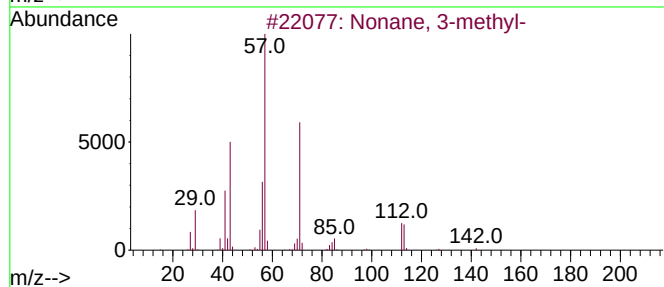
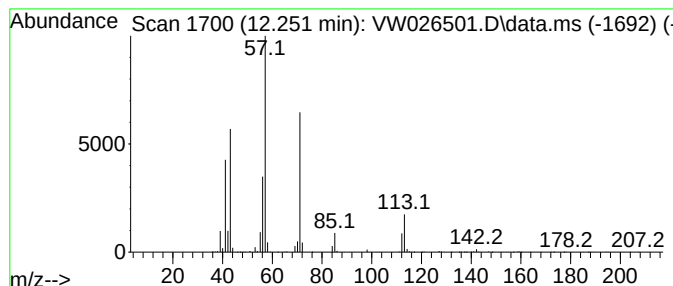
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MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.251	5.48 ug/L	647310	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-		142	C10H22	005911-04-6	91
2	Nonane, 3-methyl-		142	C10H22	005911-04-6	91
3	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	90
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	90
5	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

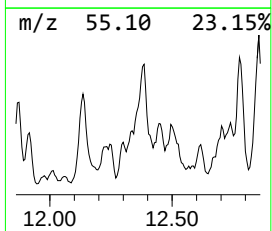
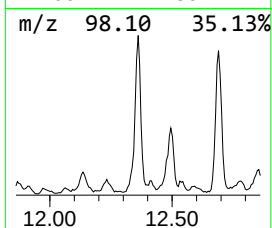
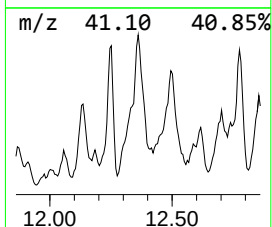
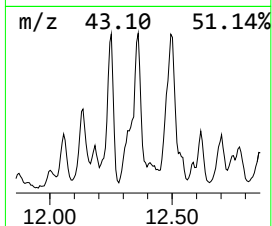
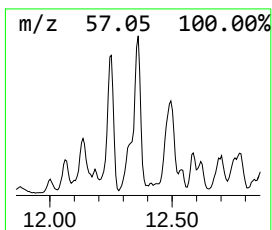
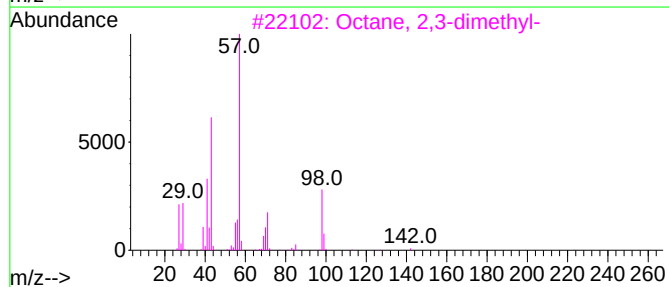
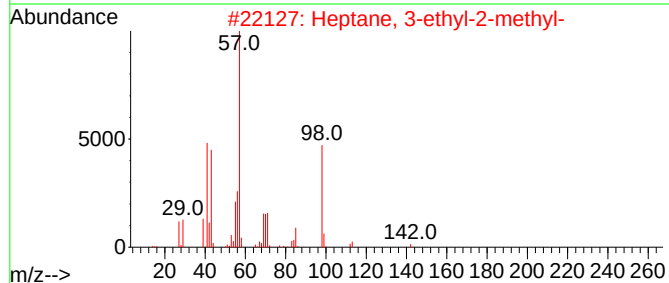
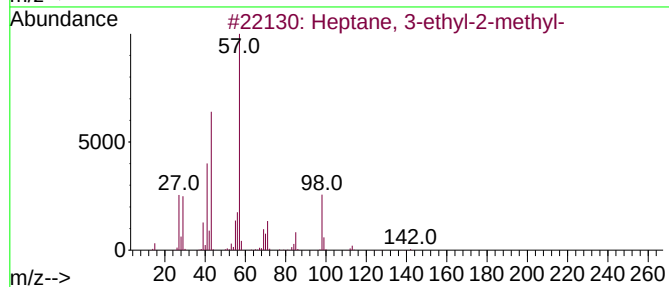
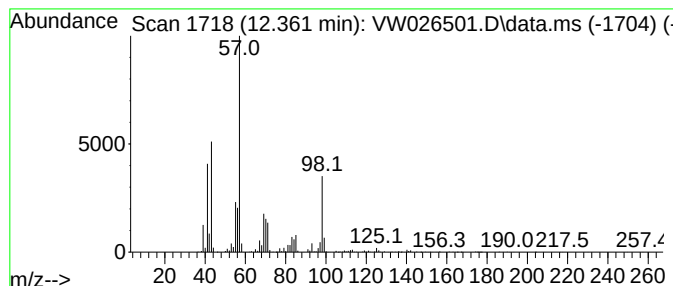
Instrument :
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ClientSampleId :
A46W1

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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.361	13.34 ug/L	1576540	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	91
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	83
3	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	64
4	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	59
5	Heptane, 3-ethyl-		128	C9H20	015869-80-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

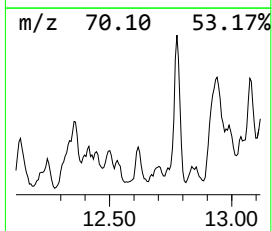
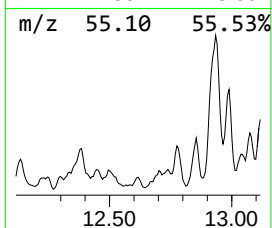
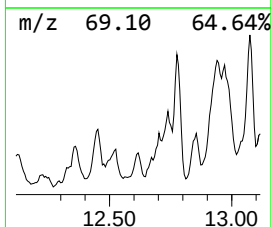
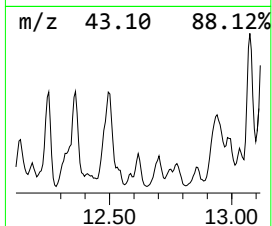
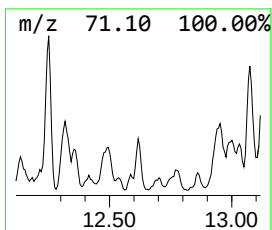
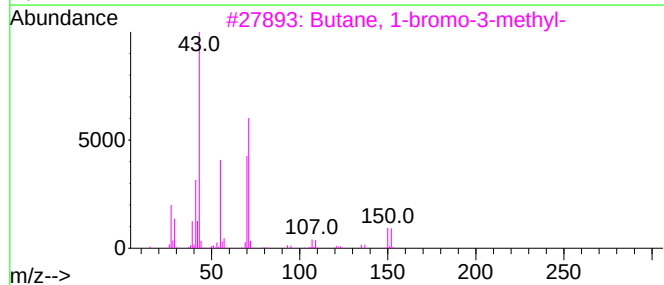
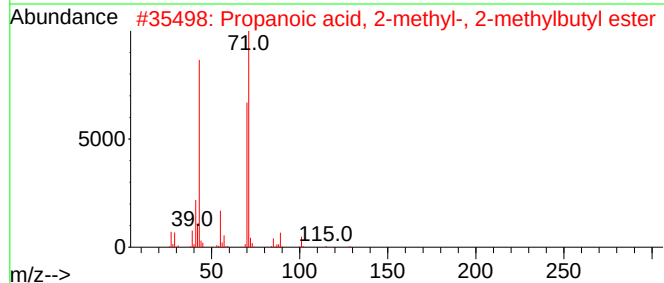
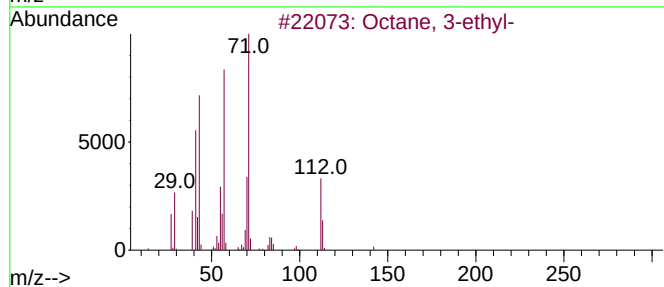
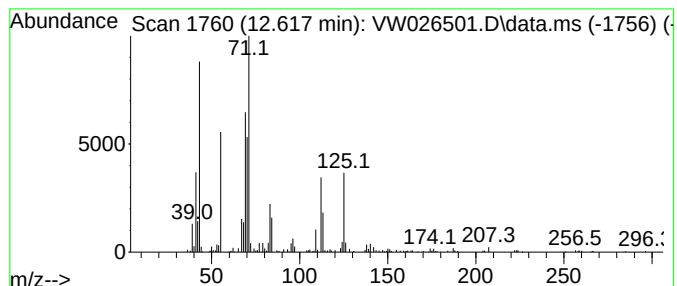
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.617	4.45 ug/L	296225	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-		142	C10H22	005881-17-4	50
2	Propanoic acid, 2-methyl-, 2-met...		158	C9H18O2	002445-69-4	43
3	Butane, 1-bromo-3-methyl-		150	C5H11Br	000107-82-4	43
4	1-Hexene, 4,5-dimethyl-		112	C8H16	016106-59-5	43
5	2-Octene		112	C8H16	000111-67-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

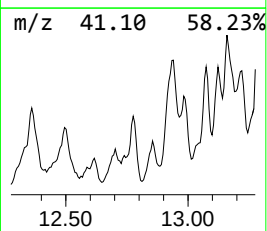
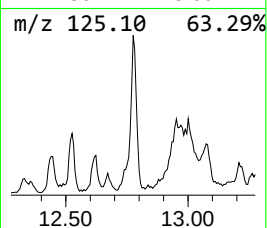
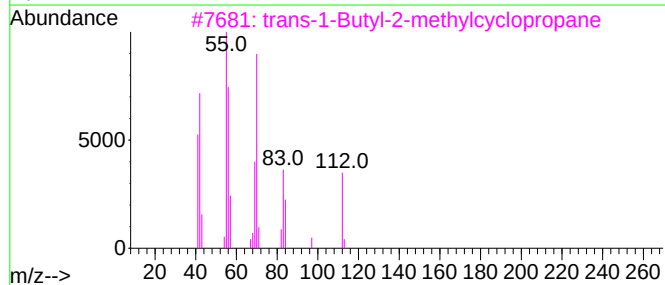
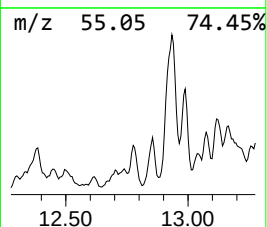
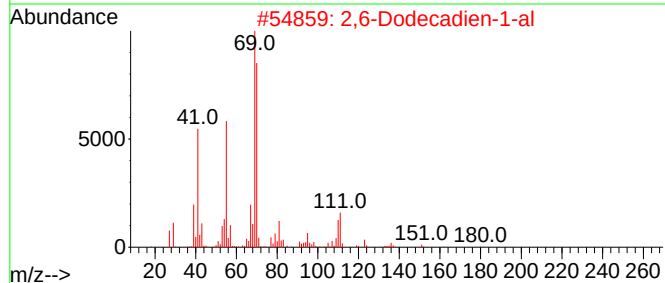
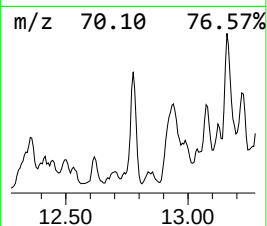
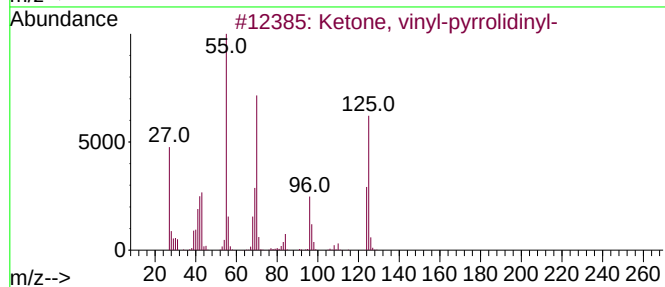
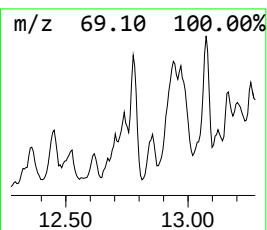
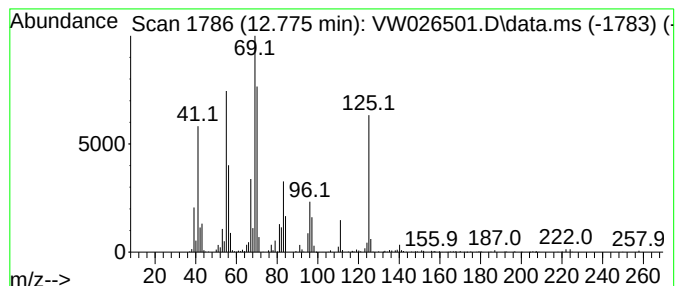
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Quant Title : SFAM01.0

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

Peak Number 7 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	9.85 ug/L	655472	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	45
2			2,6-Dodecadien-1-al	180	C12H20O	021662-13-5	43
3			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	41
4			2-Methyl-2-octene	126	C9H18	016993-86-5	38
5			Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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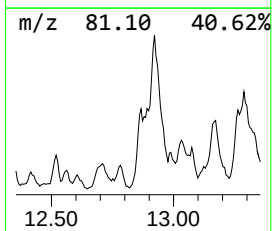
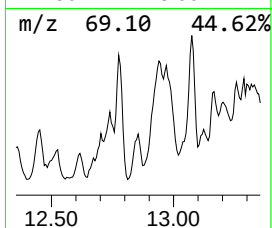
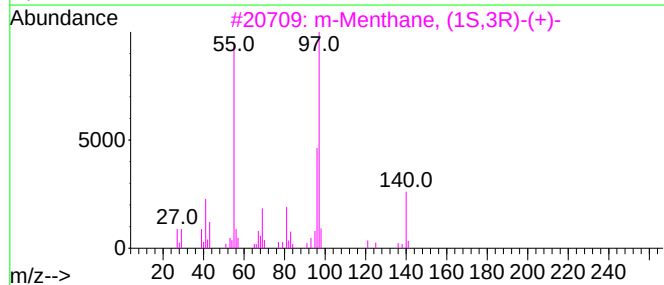
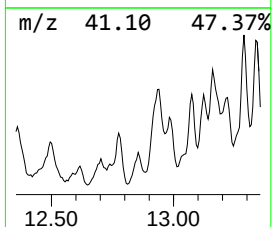
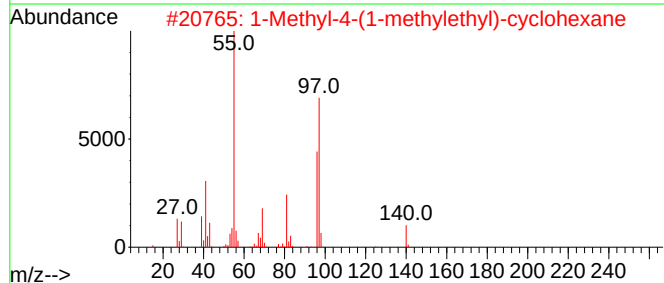
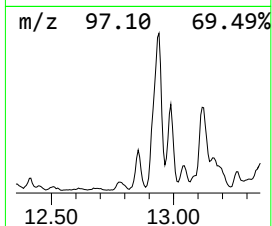
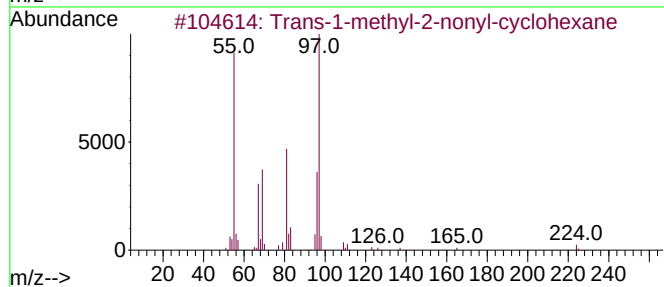
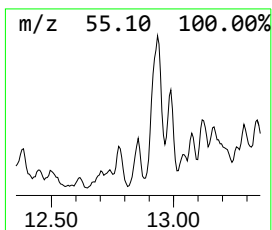
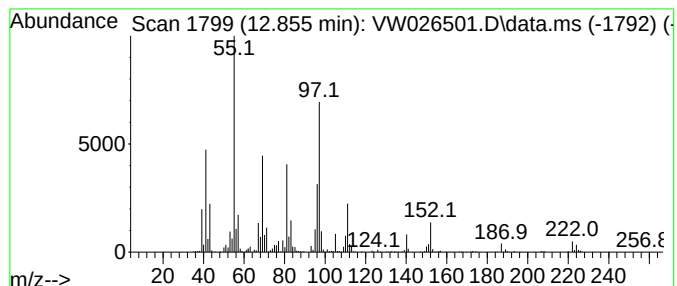
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic12.855 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	9.04 ug/L	601847	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	76
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	53
3			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	52
4			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

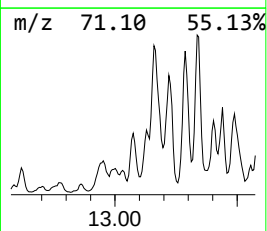
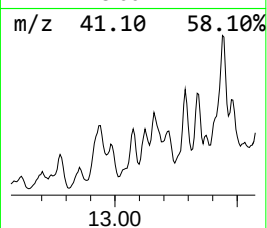
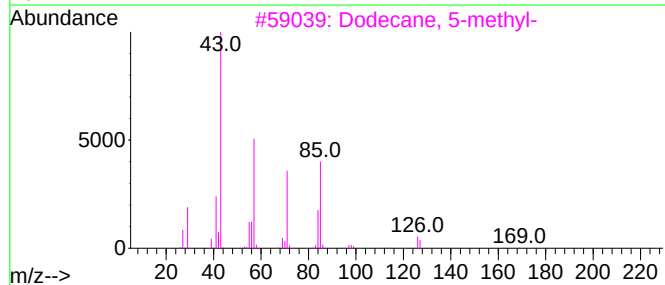
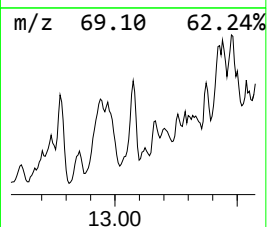
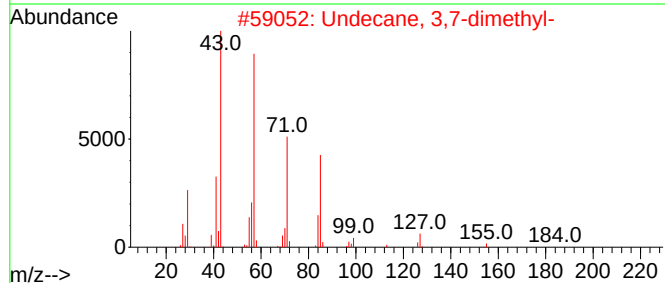
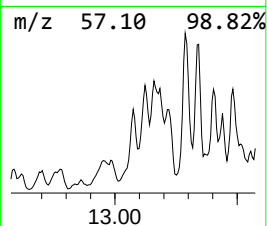
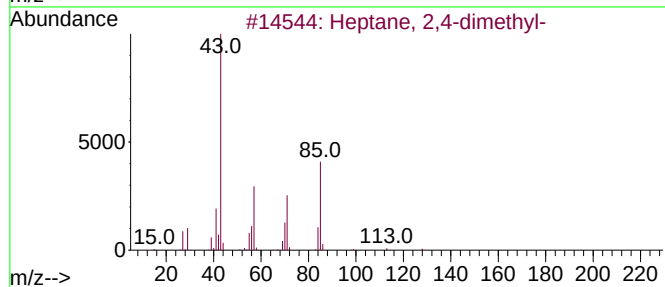
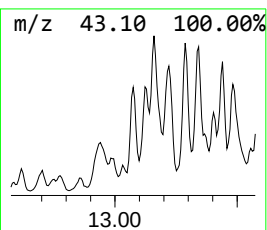
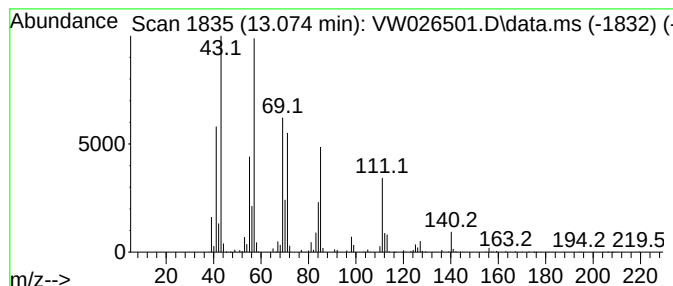
Instrument :
MSVOA_W
ClientSampleId :
A46W1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.074	9.08 ug/L	604153	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	53
2	Undecane, 3,7-dimethyl-		184	C13H28	017301-29-0	52
3	Dodecane, 5-methyl-		184	C13H28	017453-93-9	50
4	Nonane		128	C9H20	000111-84-2	50
5	Octane, 3,4,5,6-tetramethyl-		170	C12H26	062185-21-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

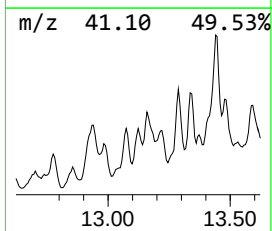
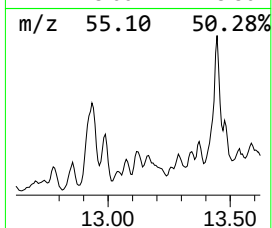
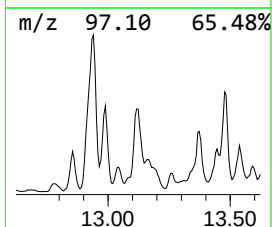
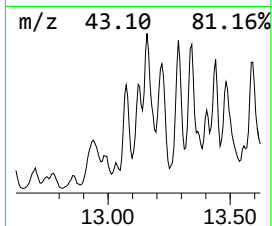
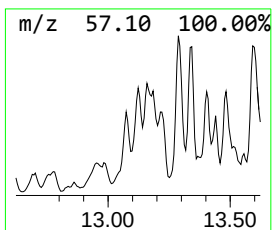
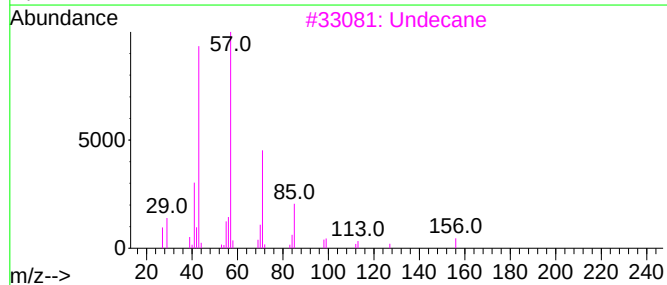
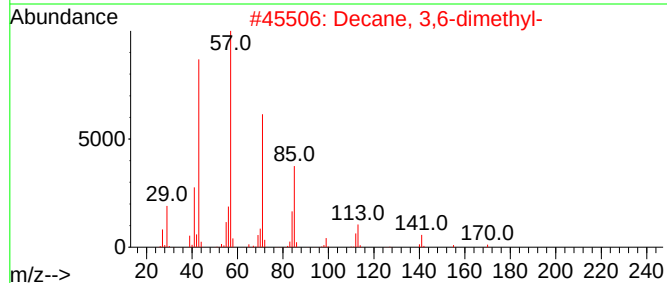
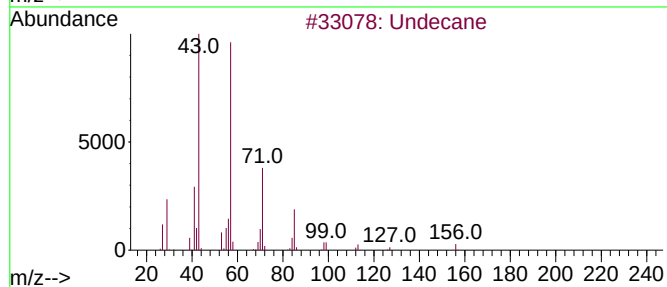
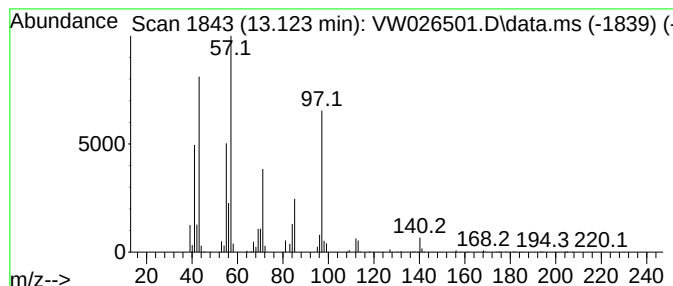
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.123	6.23 ug/L	414872	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	58
2	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	50
3	Undecane		156	C11H24	001120-21-4	49
4	Tridecane		184	C13H28	000629-50-5	47
5	Decane, 3-methyl-		156	C11H24	013151-34-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

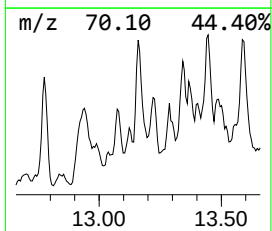
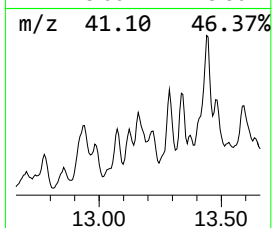
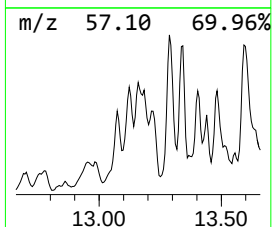
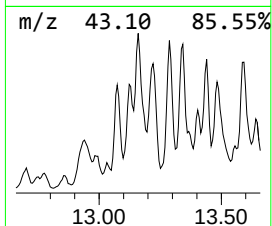
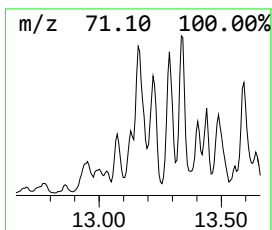
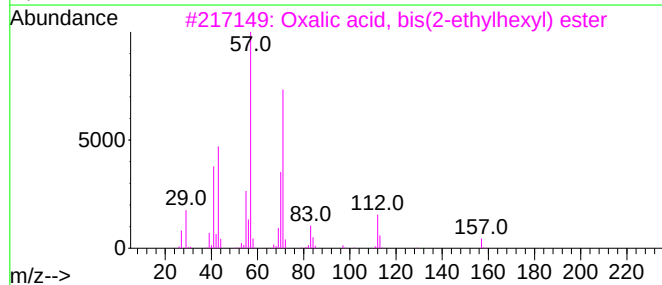
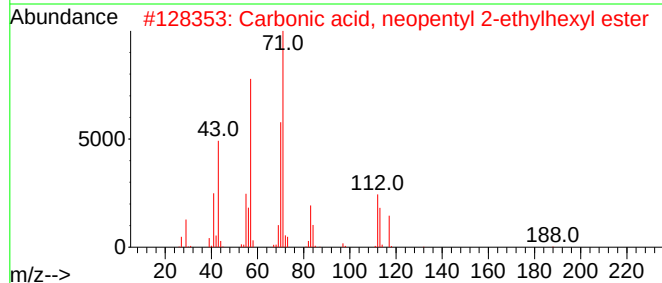
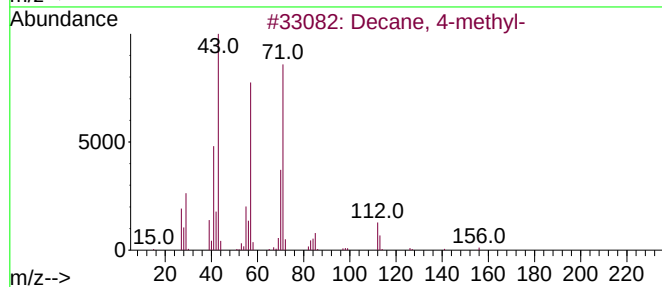
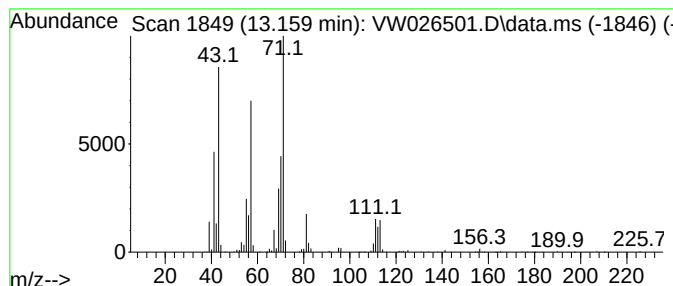
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	9.07 ug/L	603613	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	72
2			Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	59
3			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	59
4			4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	53
5			Dodecane, 4-methyl-	184	C13H28	006117-97-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

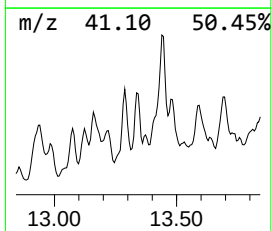
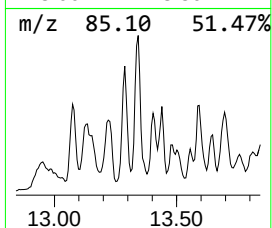
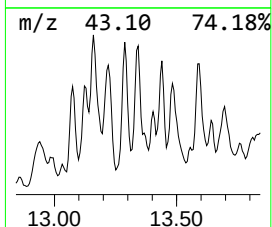
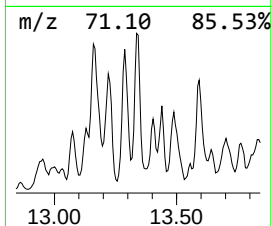
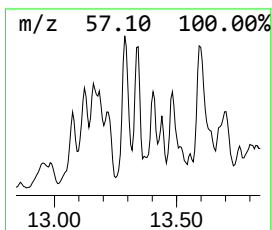
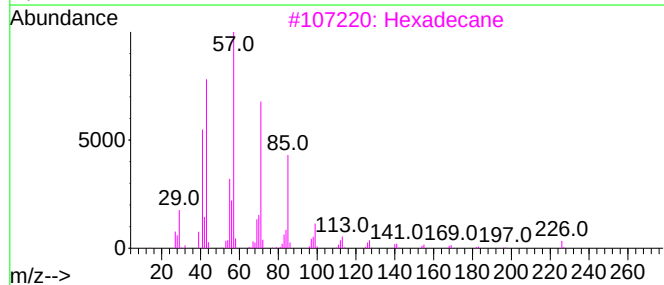
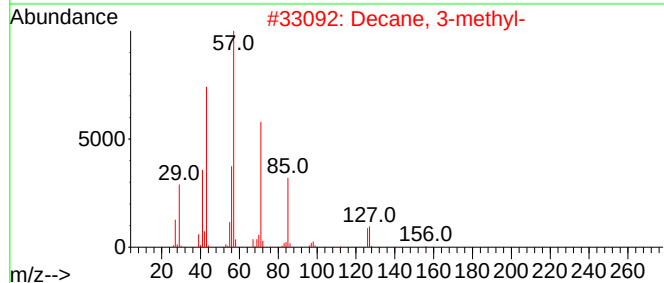
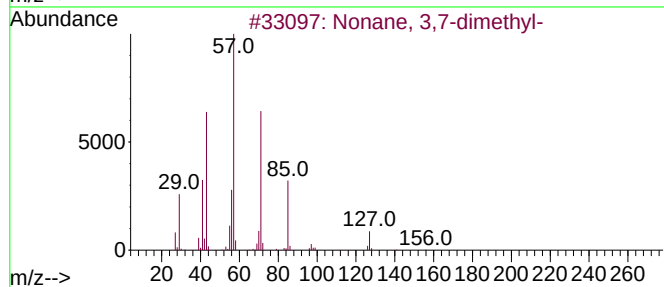
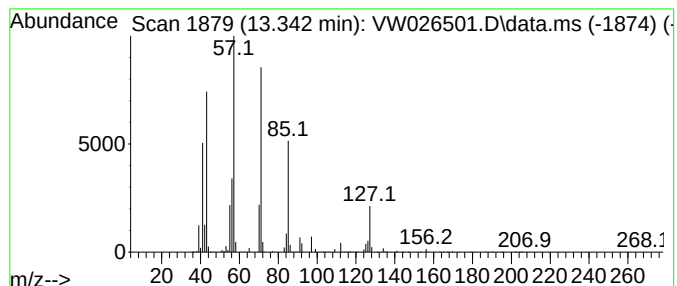
Instrument :
MSVOA_W
ClientSampleId :
A46W1

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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 19

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.342	14.95 ug/L	995088	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	90
2	Decane, 3-methyl-		156	C11H24	013151-34-3	80
3	Hexadecane		226	C16H34	000544-76-3	64
4	Decane, 3-methyl-		156	C11H24	013151-34-3	58
5	Sulfurous acid, 2-ethylhexyl hex...		278	C14H30O3S	1000309-20-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

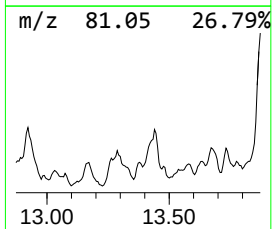
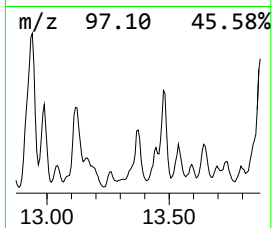
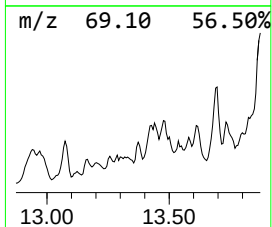
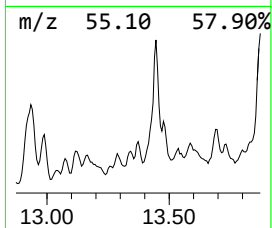
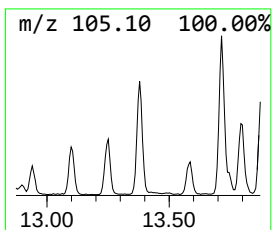
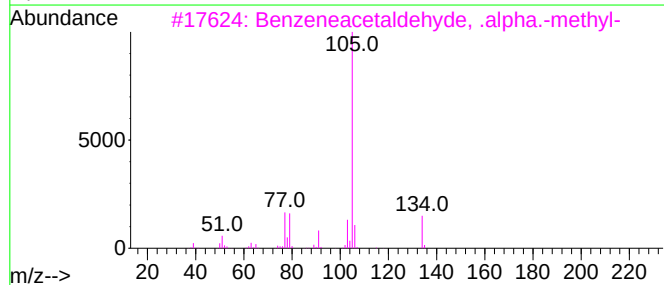
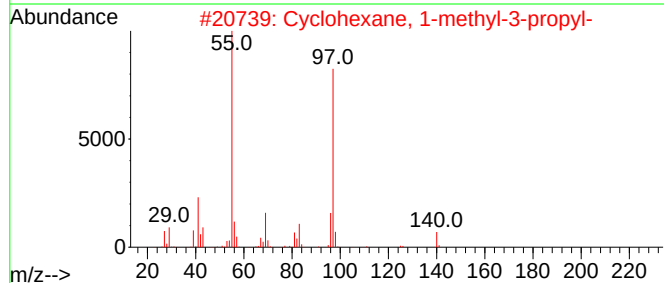
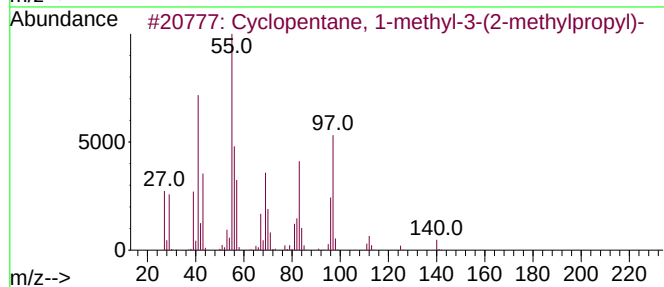
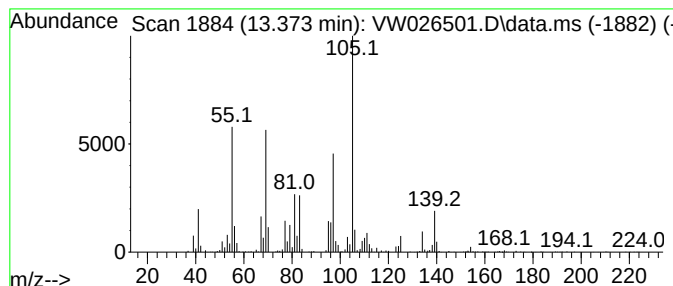
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic13.373 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	7.22 ug/L	480480	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	38
2			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	30
3			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	25
4			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	22
5			Cyclohexanemethanol, 2-methyl-	128	C8H16O	002105-40-0	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

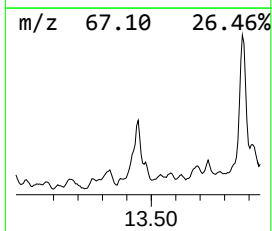
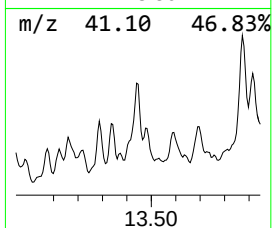
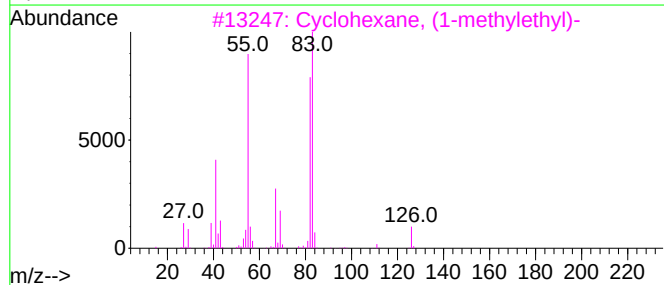
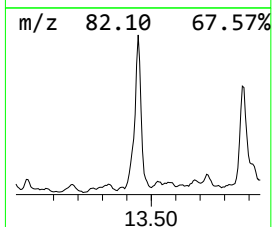
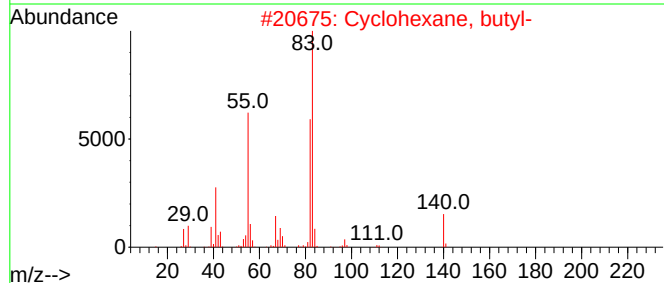
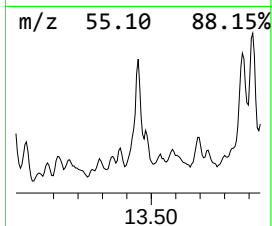
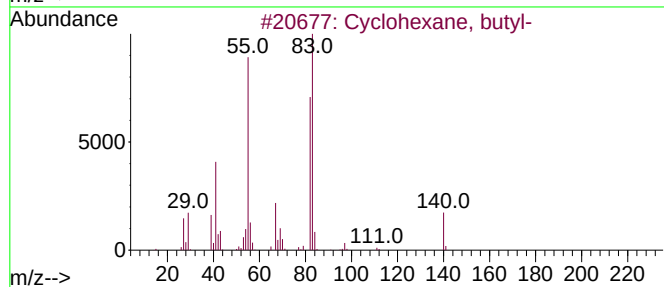
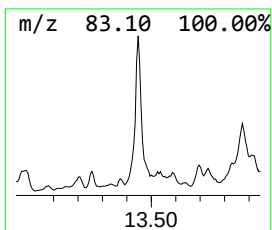
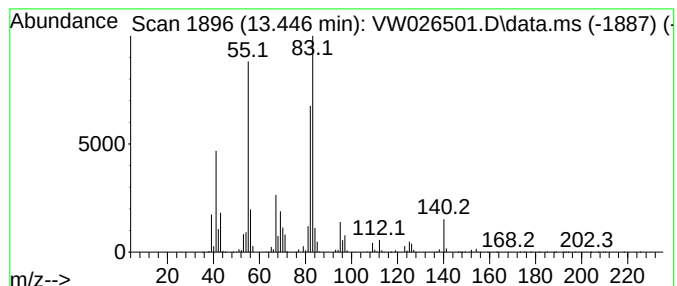
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic13.446 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	45.38 ug/L	3019430	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	83
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	80
5			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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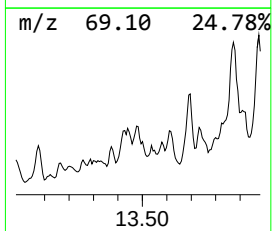
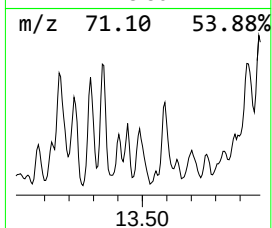
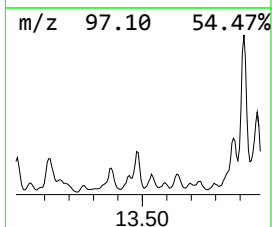
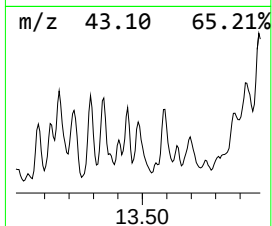
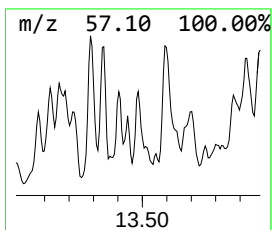
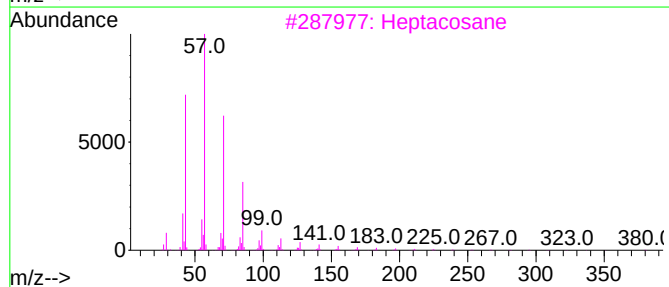
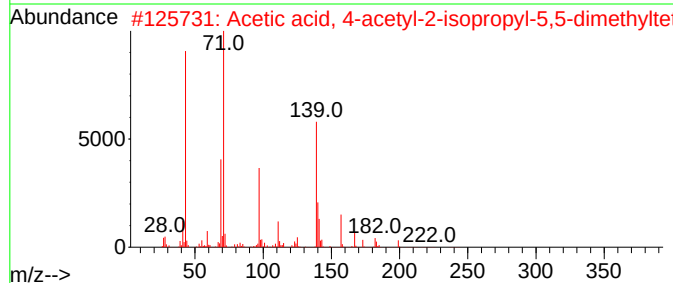
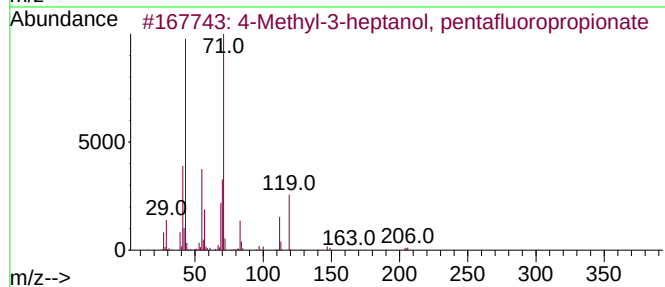
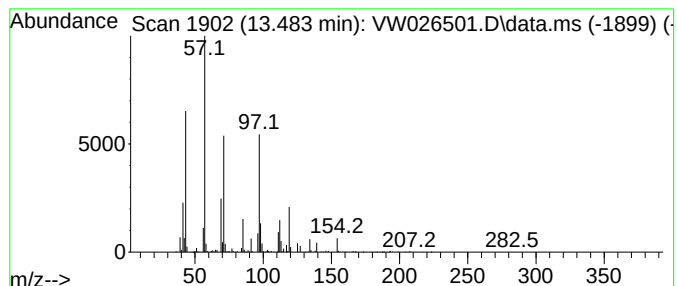
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Quant Title : SFAM01.0

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

Peak Number 15 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	13.99 ug/L	930656	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	35
2			Acetic acid, 4-acetyl-2-isopropy...	242	C13H22O4	1000192-07-0	27
3			Heptacosane	380	C27H56	000593-49-7	27
4			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	27
5			Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

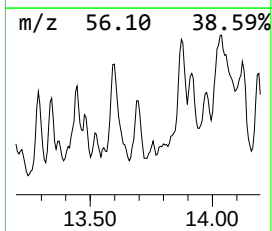
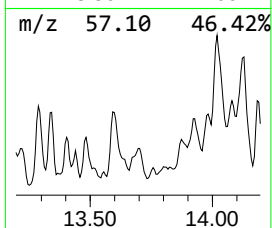
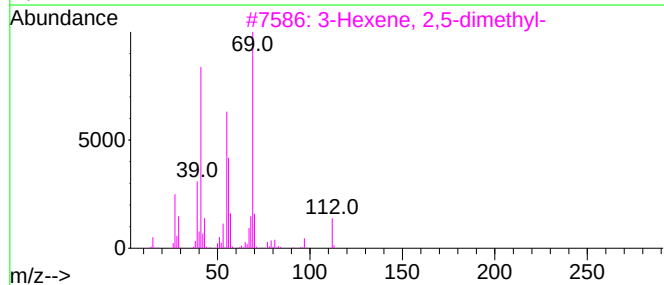
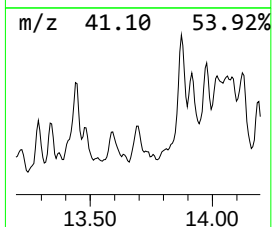
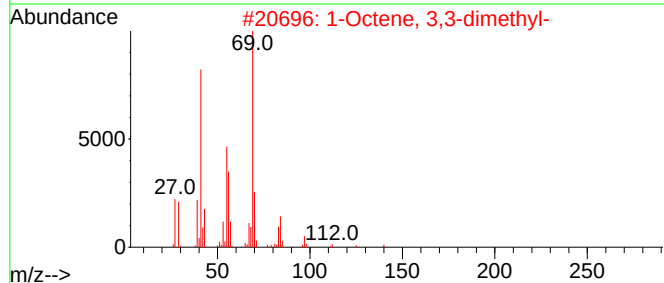
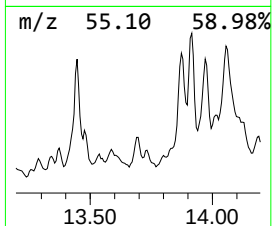
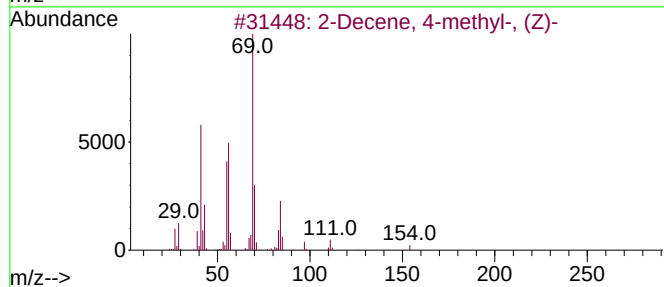
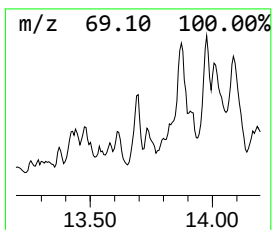
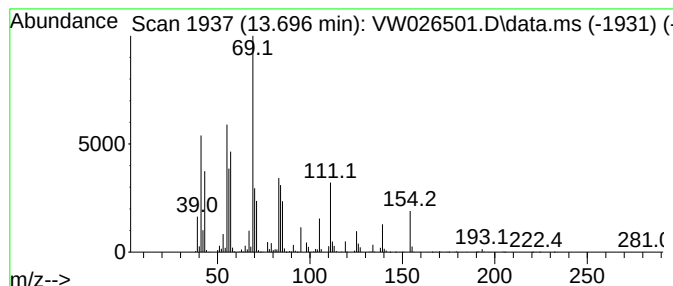
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.696	31.35 ug/L	2086330	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-		154	C11H22	074630-30-1	53
2	1-Octene, 3,3-dimethyl-		140	C10H20	074511-51-6	43
3	3-Hexene, 2,5-dimethyl-		112	C8H16	015910-22-2	35
4	2-Pentene, 2-methyl-		84	C6H12	000625-27-4	30
5	2-Pentene, 4-methyl-, (E)-		84	C6H12	000674-76-0	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

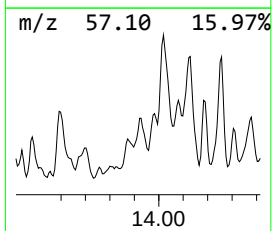
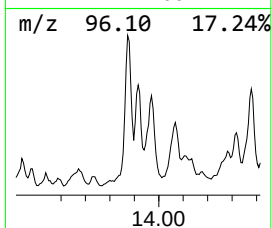
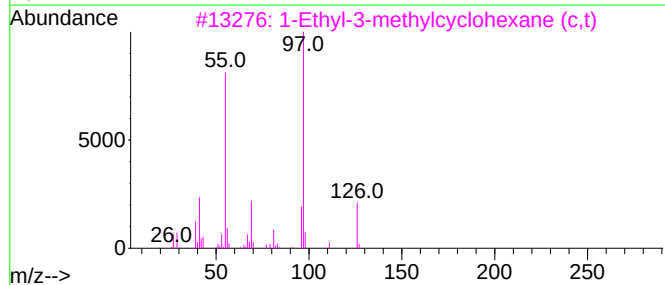
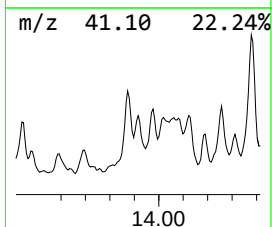
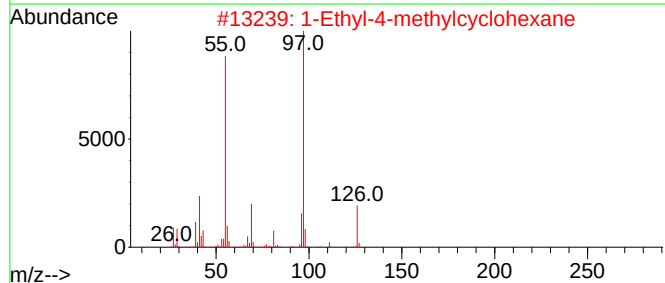
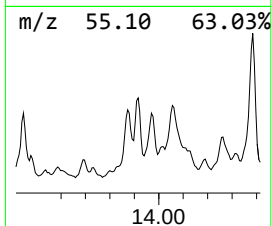
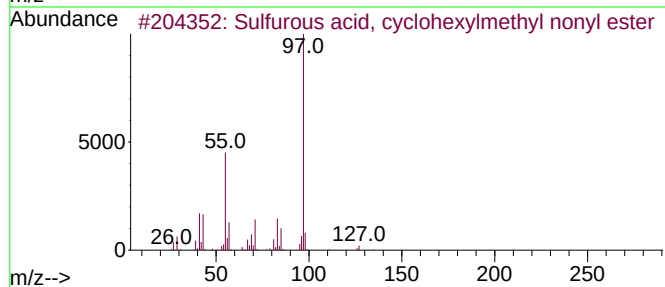
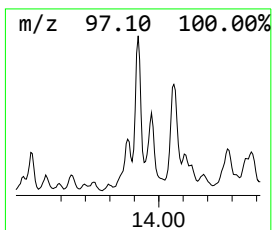
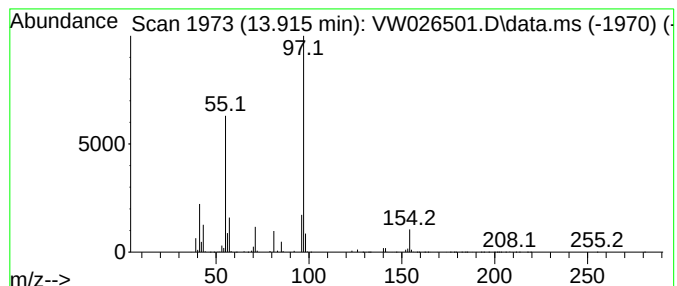
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Quant Title : SFAM01.0

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

Peak Number 17 Sulfurous acid, cyclohexylm... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	19.20 ug/L	1277360	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	64
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	59
3			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59
4			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	59
5			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

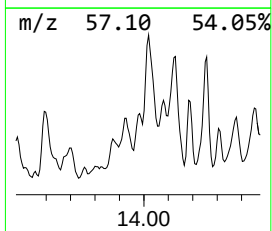
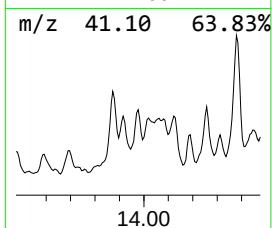
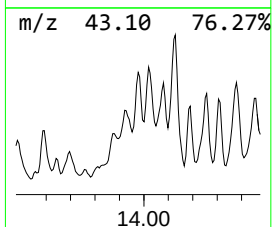
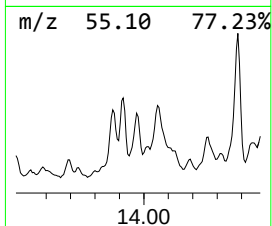
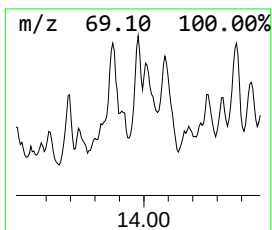
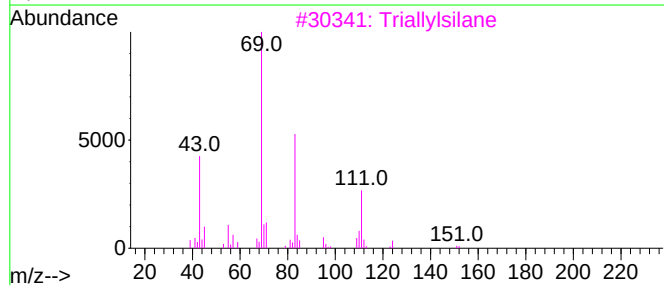
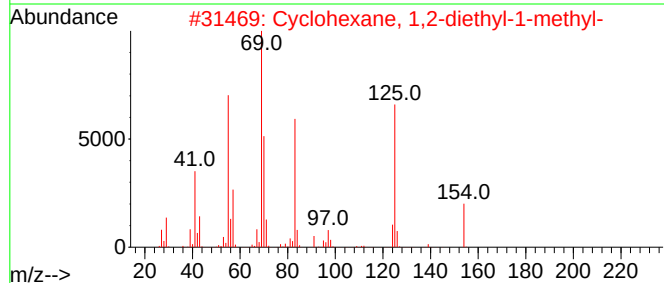
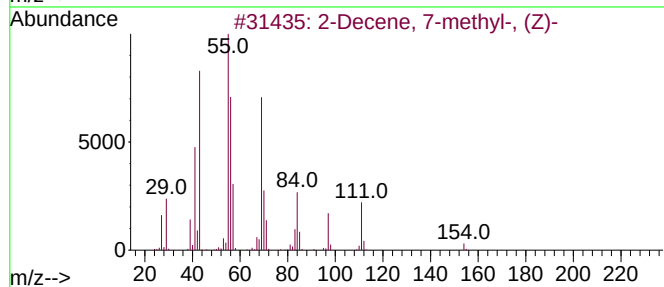
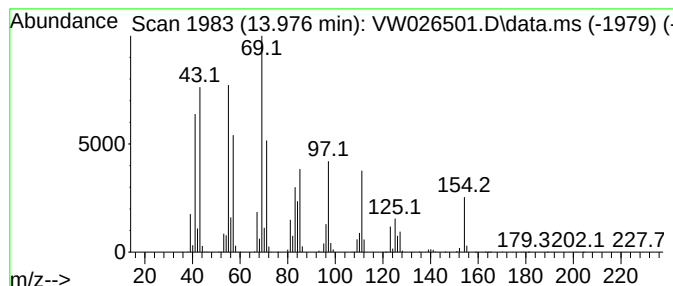
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.976	19.13 ug/L	1272810	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 7-methyl-, (Z)-		154	C11H22	074630-23-2	43
2	Cyclohexane, 1,2-diethyl-1-methyl-		154	C11H22	061141-79-5	27
3	Triallylsilane		152	C9H16Si	001116-62-7	27
4	3-Penten-2-one		84	C5H8O	000625-33-2	25
5	1-Butene, 2,3-dimethyl-		84	C6H12	000563-78-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

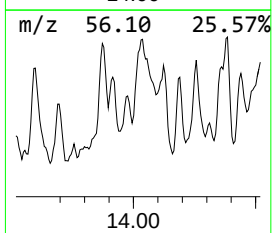
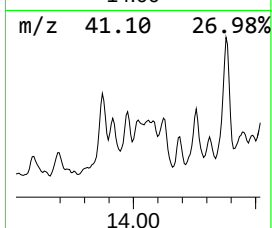
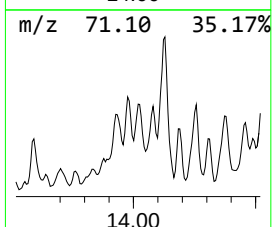
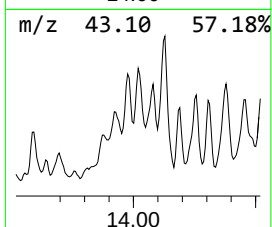
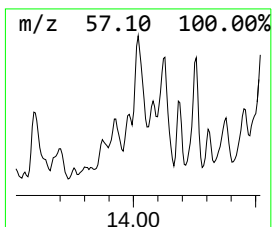
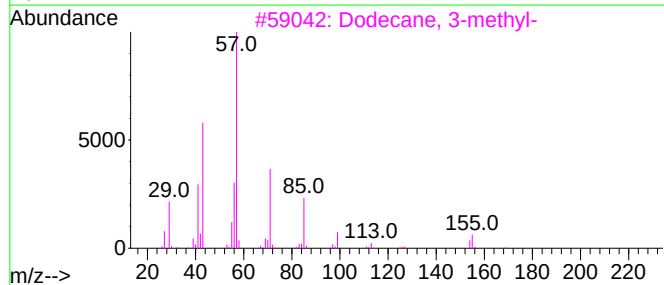
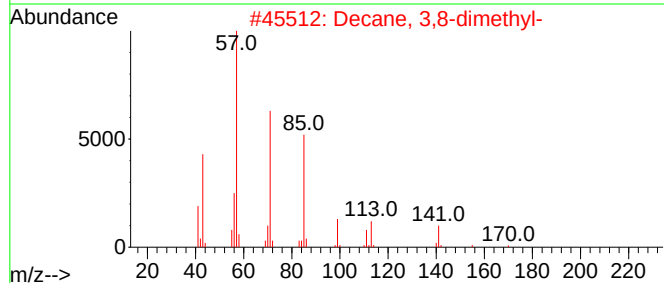
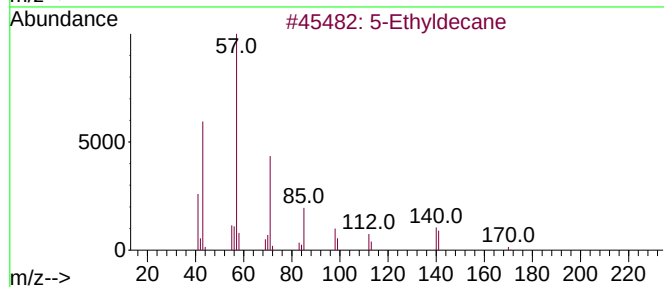
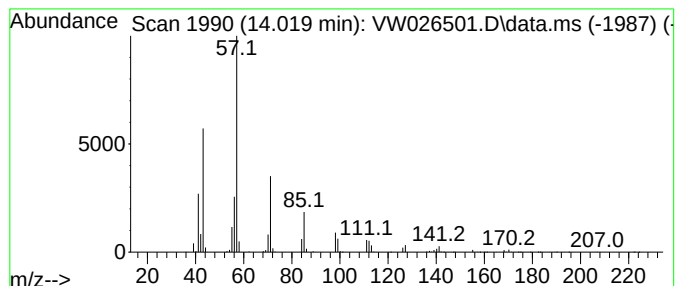
Instrument :
MSVOA_W
ClientSampleId :
A46W1

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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 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.019	11.98 ug/L	797441	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	76
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	58
5	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

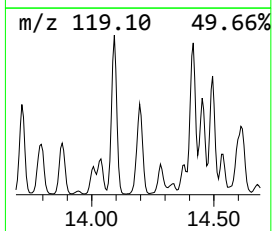
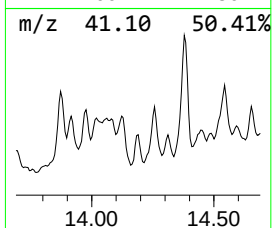
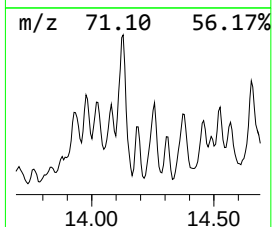
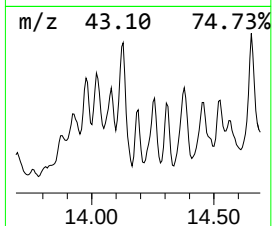
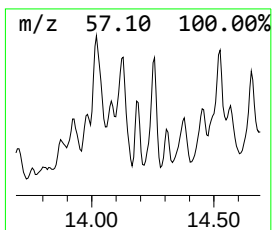
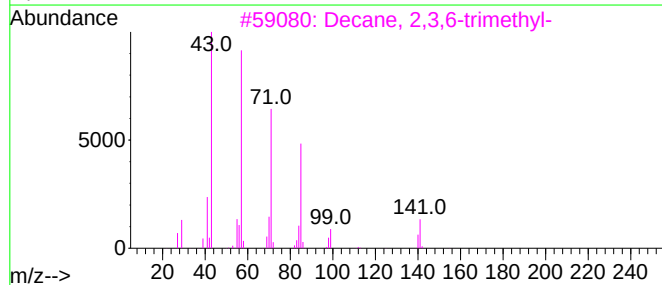
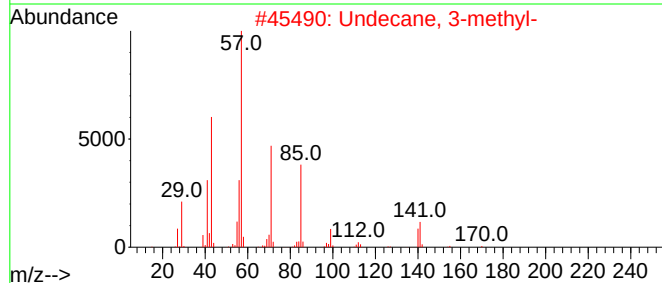
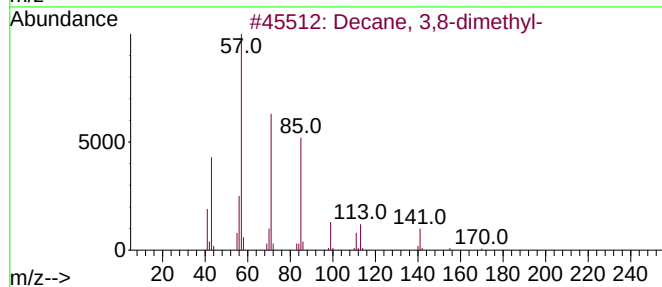
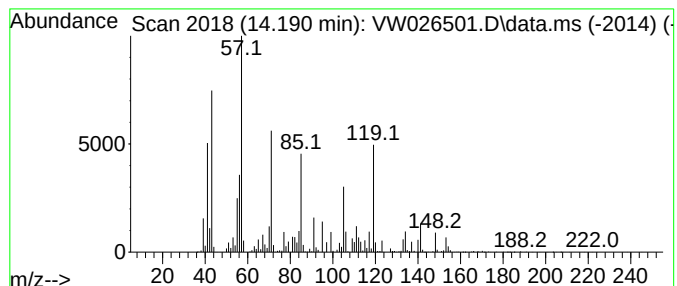
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.190	27.38 ug/L	1821980	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	50
2	Undecane, 3-methyl-		170	C12H26	001002-43-3	41
3	Decane, 2,3,6-trimethyl-		184	C13H28	062238-12-4	38
4	1-Octadecanesulphonyl chloride		352	C18H37ClO2S	1000342-70-4	38
5	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

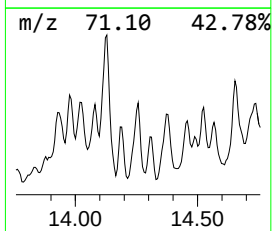
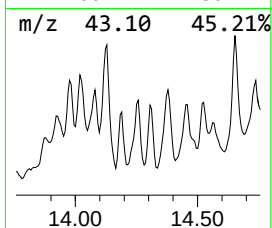
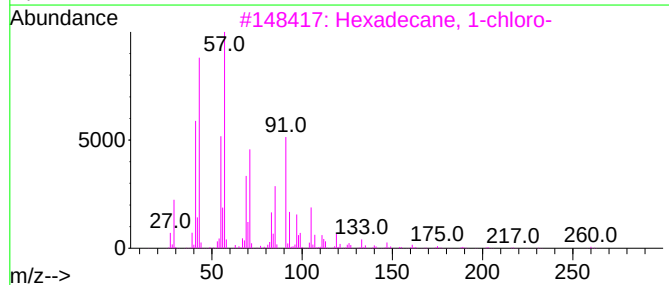
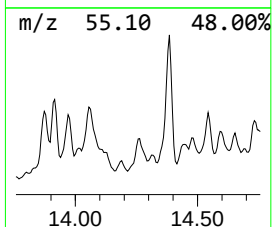
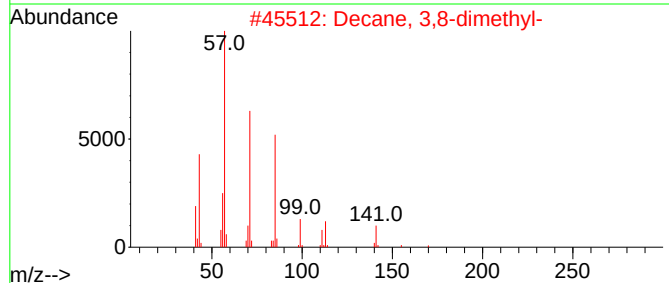
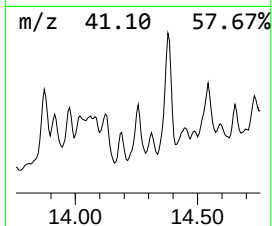
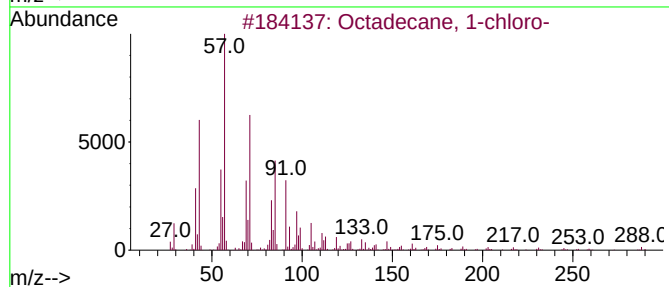
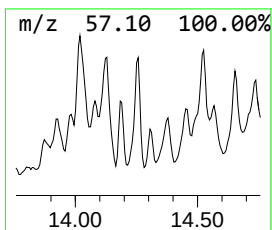
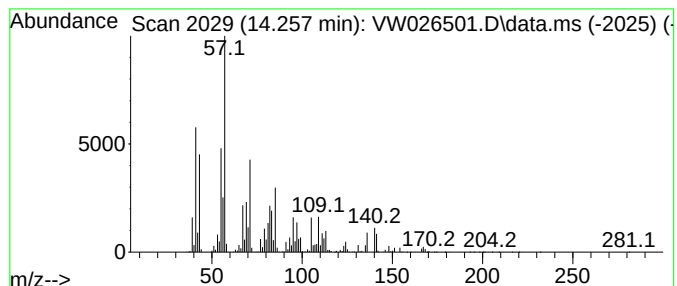
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Quant Title : SFAM01.0

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

Peak Number 21 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	34.10 ug/L	2269080	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	47
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
3			Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	43
4			Dodecane	170	C12H26	000112-40-3	27
5			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

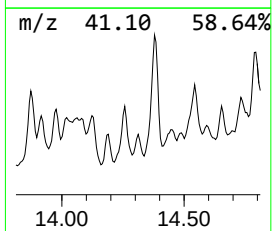
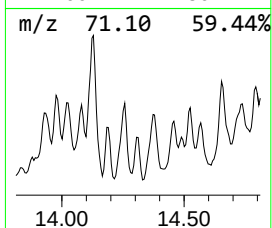
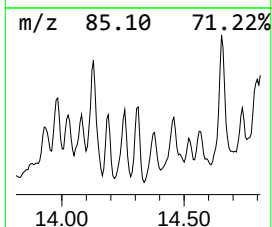
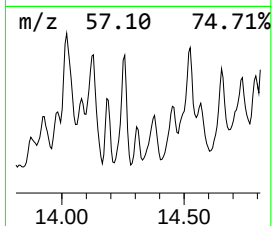
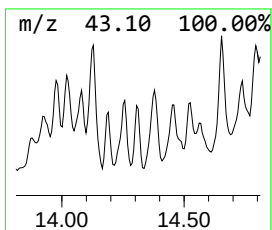
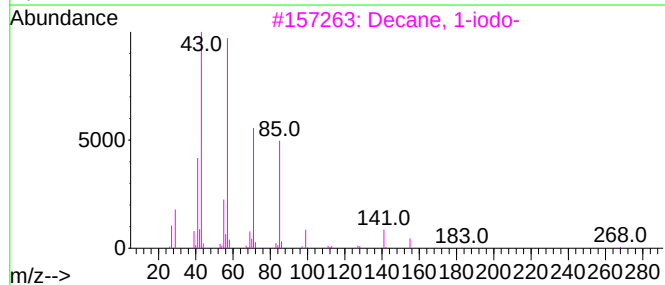
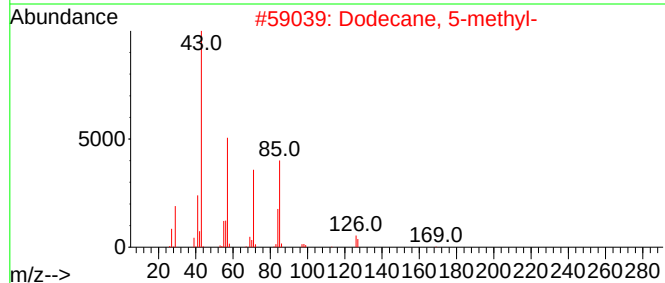
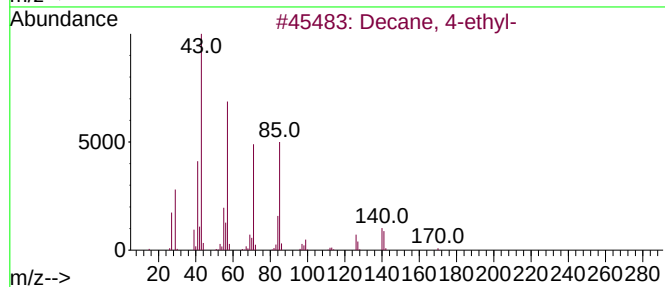
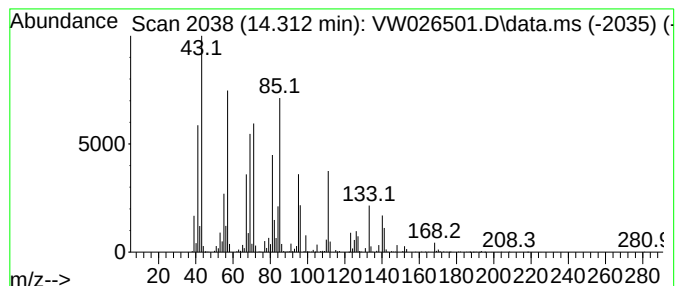
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	11.61 ug/L	772250	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-ethyl-	170	C12H26	001636-44-8	90
2			Dodecane, 5-methyl-	184	C13H28	017453-93-9	38
3			Decane, 1-iodo-	268	C10H21I	002050-77-3	35
4			Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	35
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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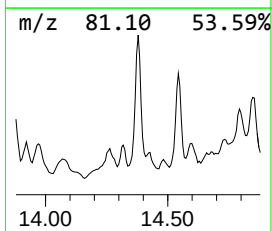
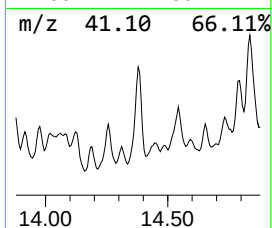
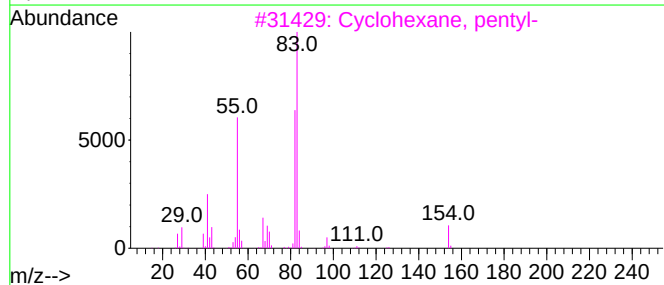
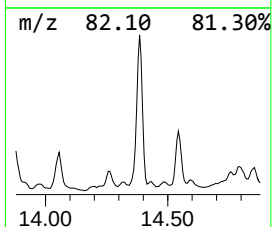
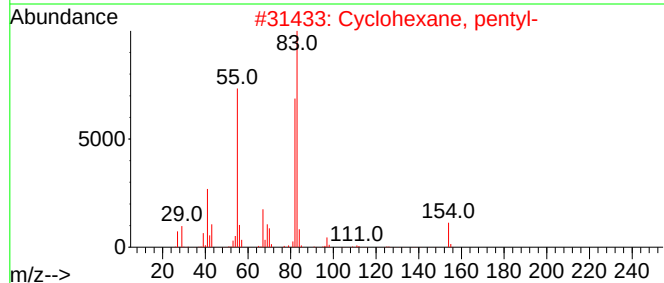
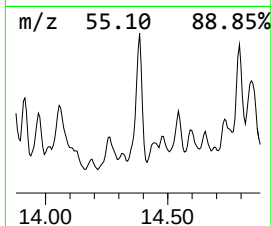
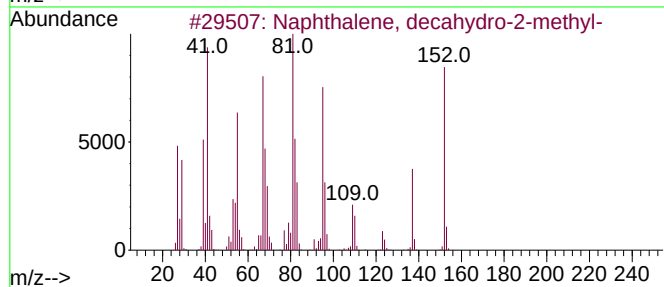
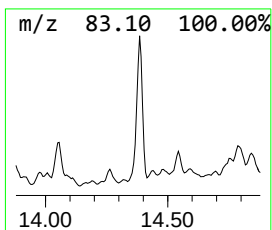
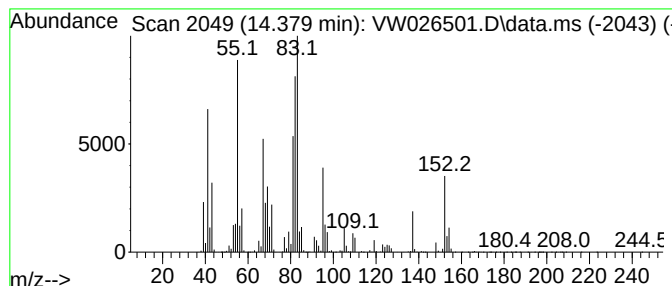
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Quant Title : SFAM01.0

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

Peak Number 23 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	101.21 ug/L	6734970	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	80
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	60
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
5			Dihydromyrcenol, trifluoroacetate	252	C12H19F3O2	1000463-72-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

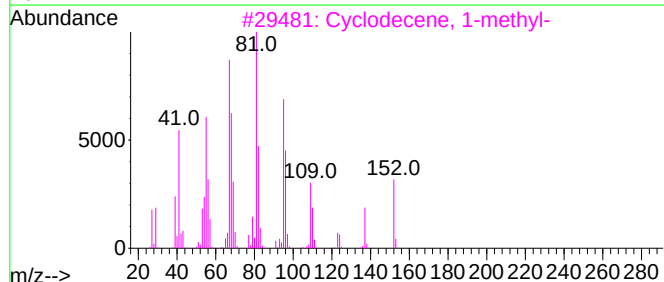
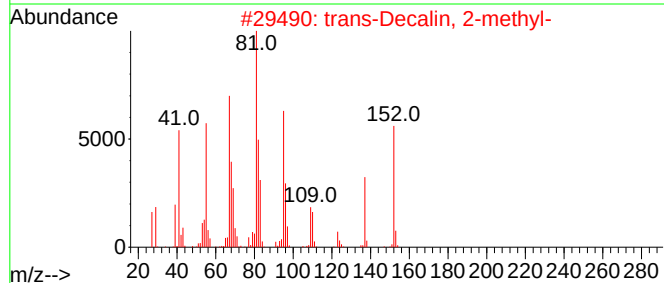
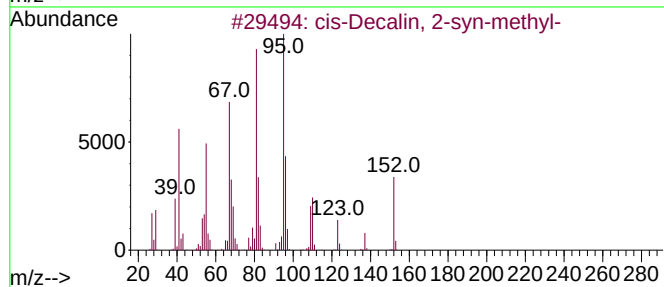
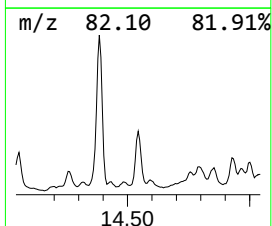
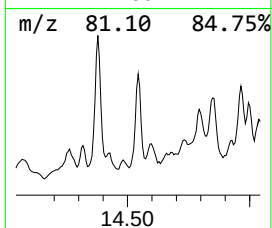
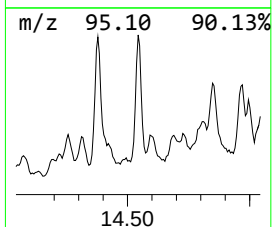
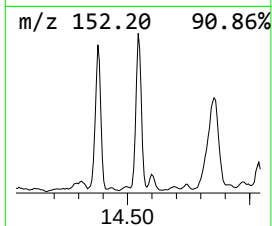
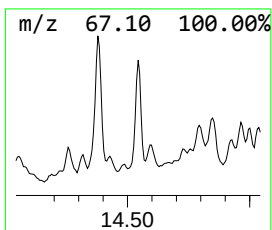
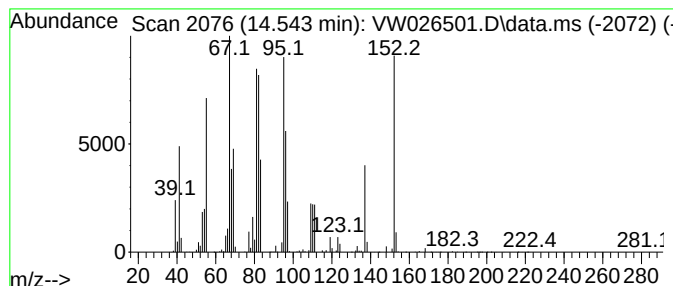
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Quant Title : SFAM01.0

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

Peak Number 24 cis-Decalin, 2-syn-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	39.10 ug/L	2601510	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
3			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	64
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

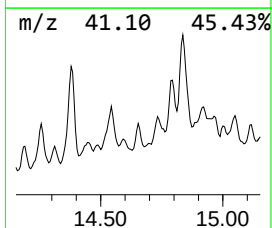
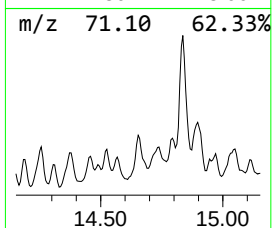
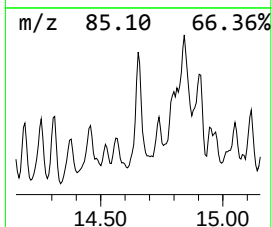
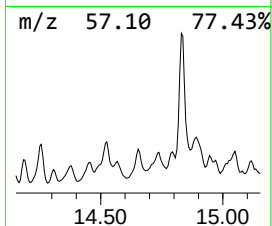
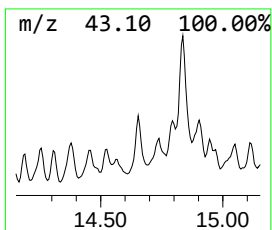
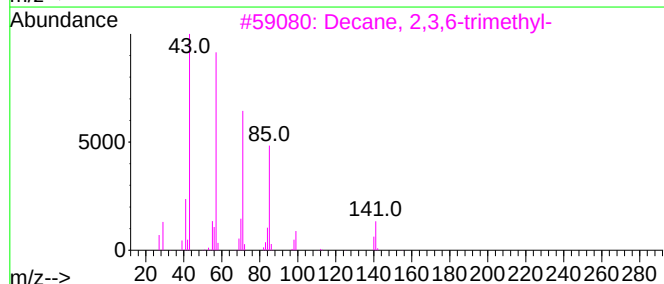
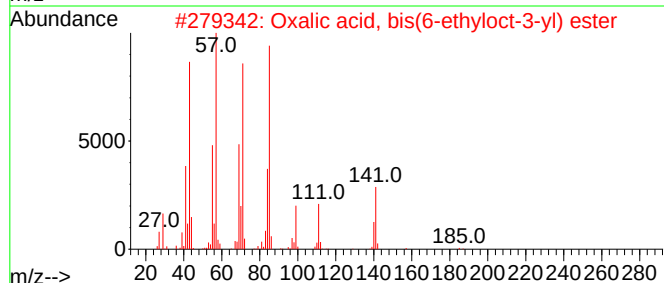
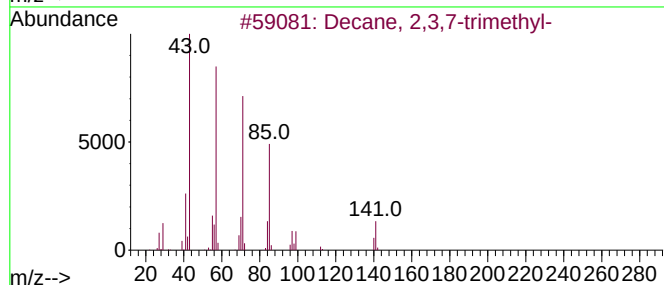
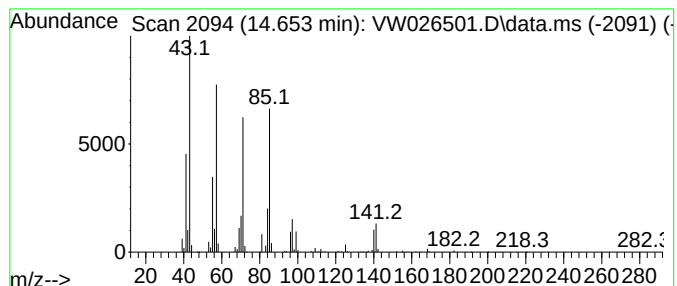
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	13.61 ug/L	905502	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	80
2		Oxalic acid, bis(6-ethyloct-3-yl...)	370	C22H42O4	1000309-34-6	72
3		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	59
4		Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	58
5		Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

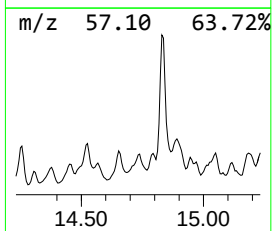
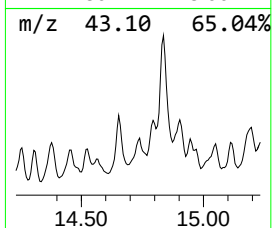
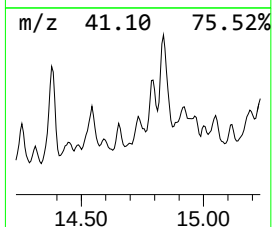
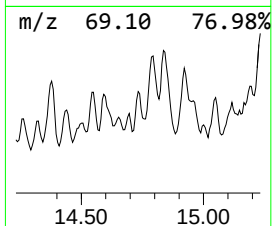
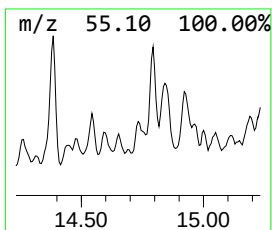
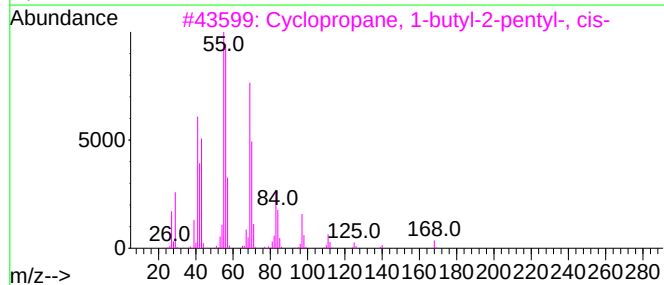
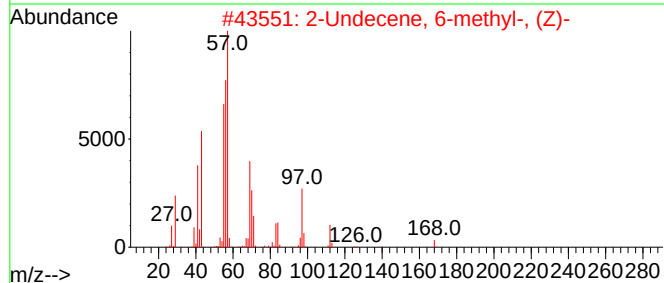
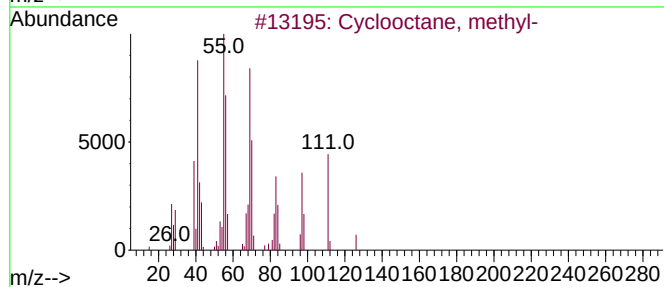
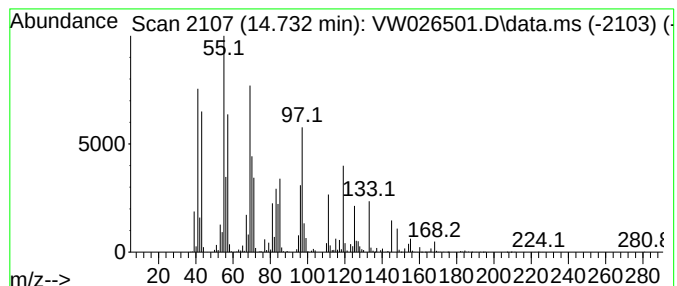
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic14.732 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	29.80 ug/L	1983210	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, methyl-	126	C9H18	001502-38-1	49
2			2-Undecene, 6-methyl-, (Z)-	168	C12H24	074630-43-6	46
3			Cyclopropane, 1-butyl-2-pentyl-,...	168	C12H24	074663-88-0	43
4			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
5			Cyclohexane, 2-propyl-1,1,3-trim...	168	C12H24	081983-70-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

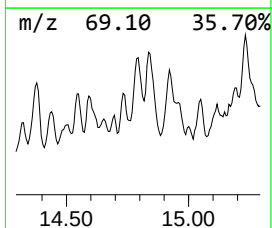
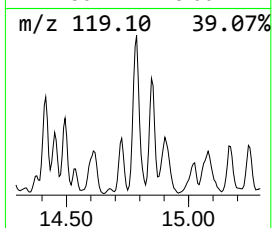
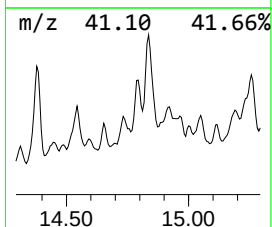
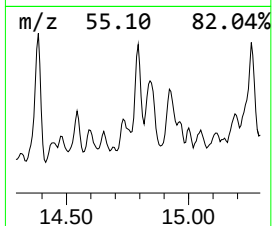
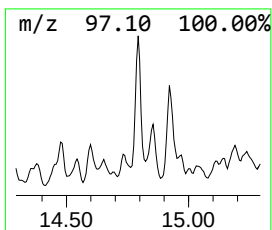
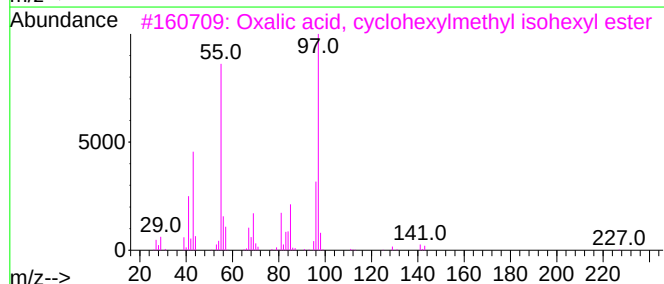
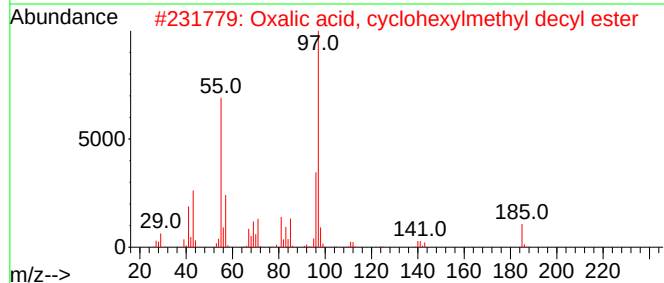
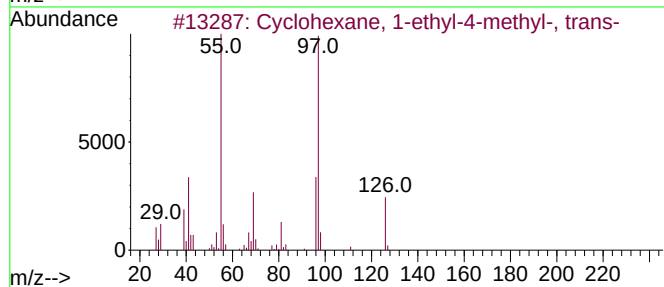
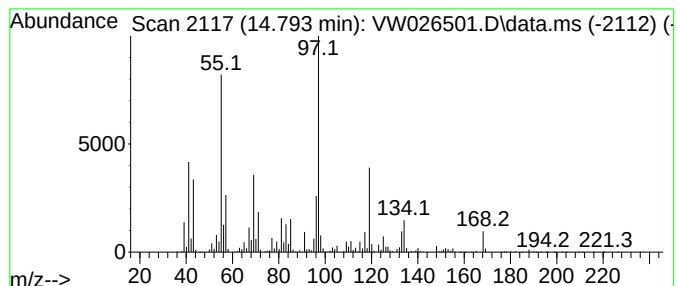
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic14.793 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	69.03 ug/L	4593650	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
2			Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	49
3			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	49
4			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	49
5			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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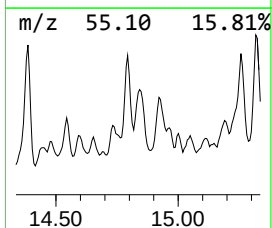
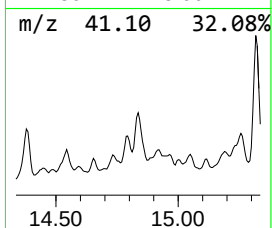
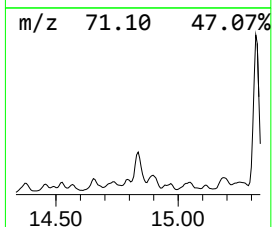
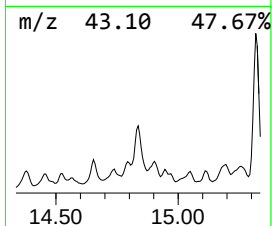
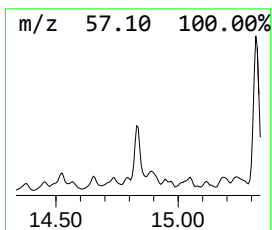
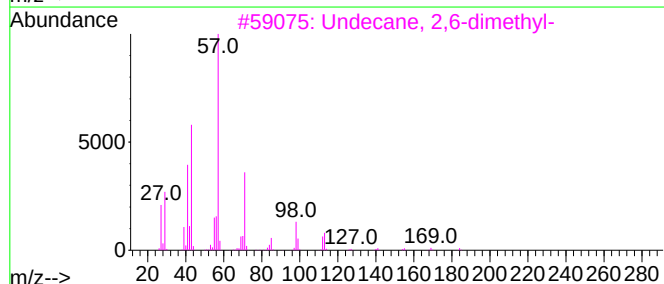
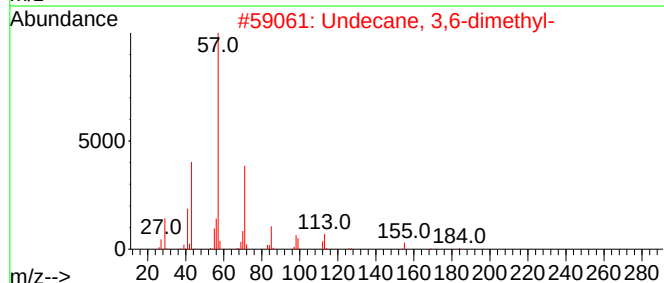
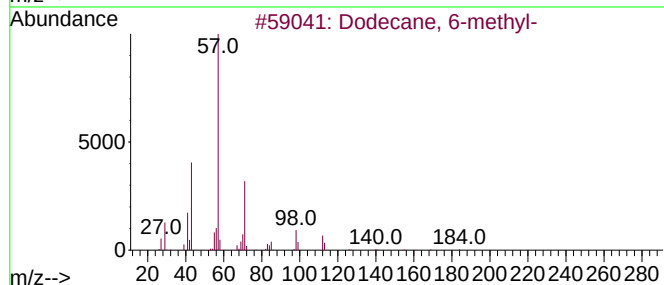
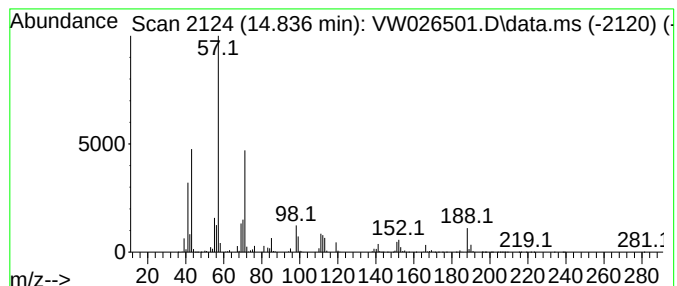
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	119.86 ug/L	7975940	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 6-methyl-	184	C13H28	006044-71-9	64
2			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	58
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	49
5			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

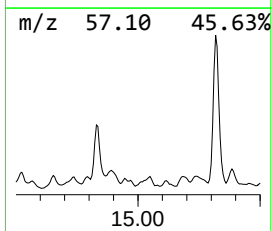
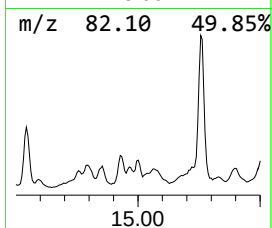
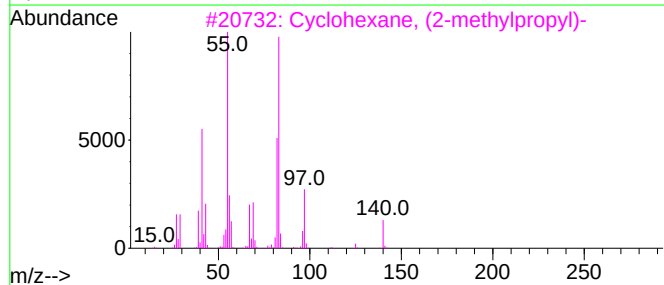
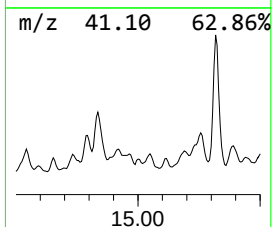
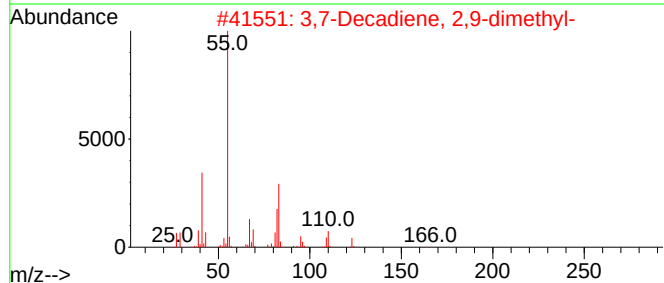
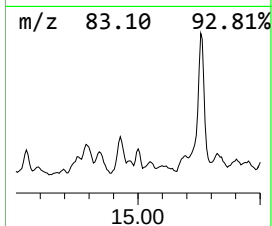
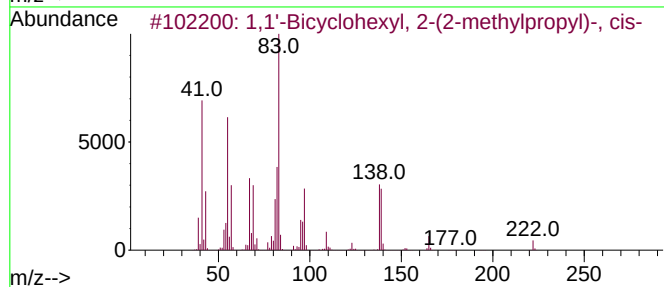
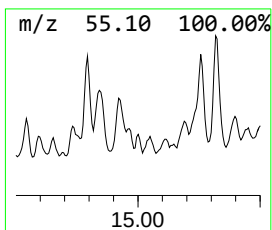
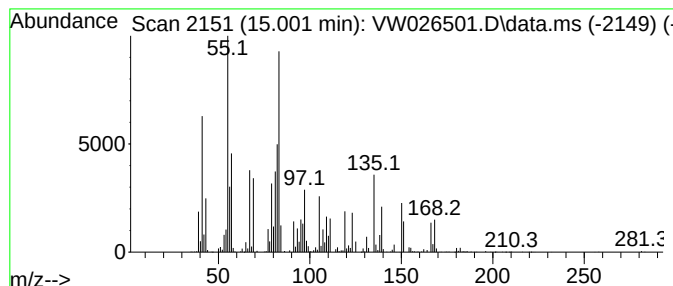
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Quant Title : SFAM01.0

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

Peak Number 29 unknown-04 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.001	8.29 ug/L	551927	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclohexyl, 2-(2-methylpr...	222	C16H30	055012-76-5	47		
2	3,7-Decadiene, 2,9-dimethyl-	166	C12H22	074630-13-0	43		
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43		
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43		
5	Propanoic acid, 2,3-bis(acetylox...	328	C17H28O6	069502-99-4	43		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

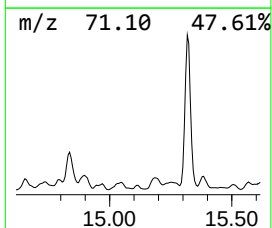
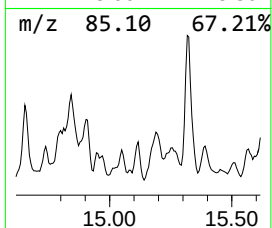
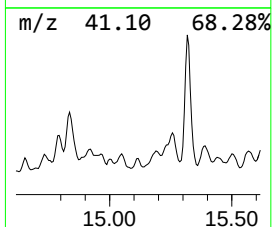
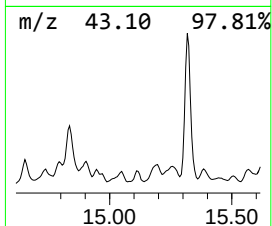
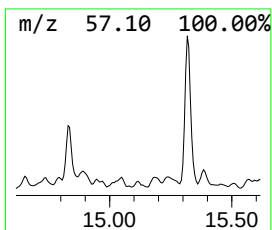
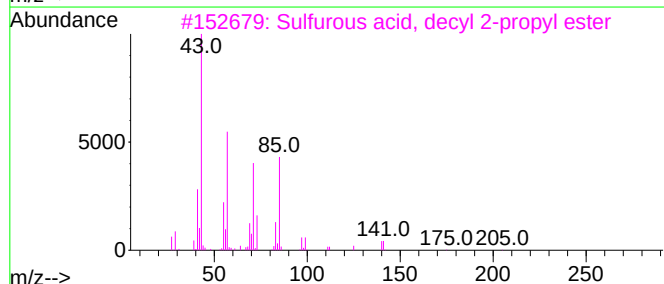
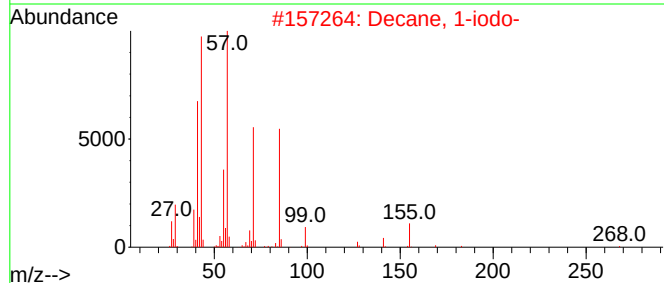
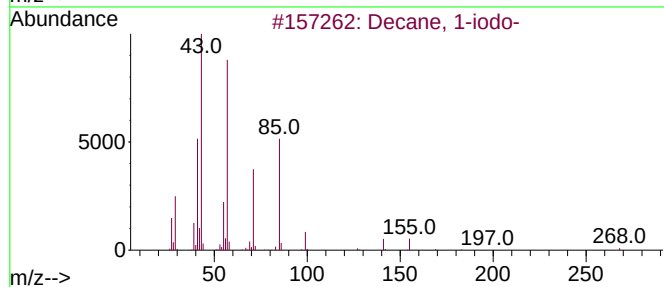
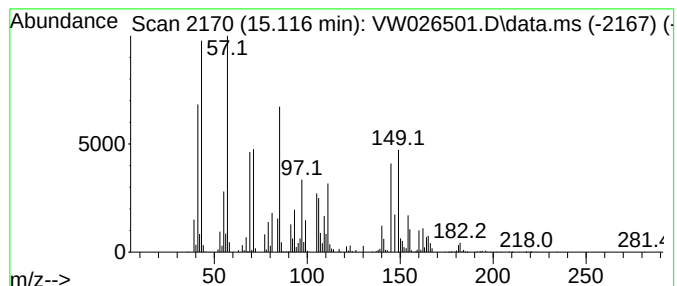
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Quant Title : SFAM01.0

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

Peak Number 30 unknown-05 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.117	11.02 ug/L	733251	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 1-iodo-	268	C10H21I	002050-77-3	25
2			Decane, 1-iodo-	268	C10H21I	002050-77-3	25
3			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	22
4			Decyl isobutyl ether	214	C14H30O	1010406-32-5	22
5			2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

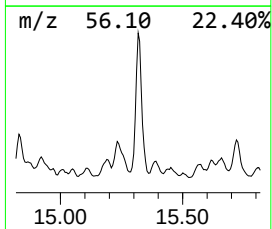
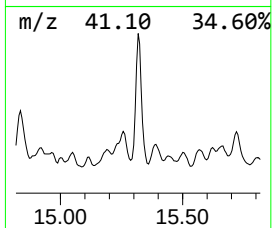
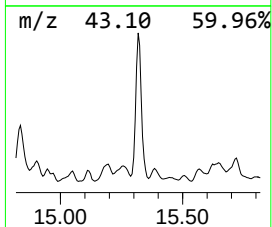
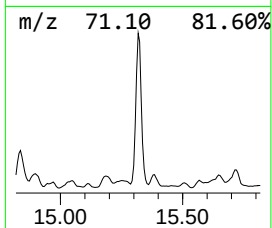
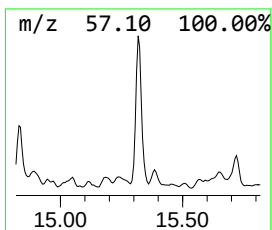
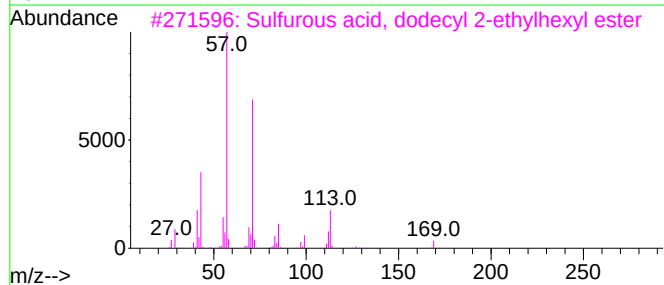
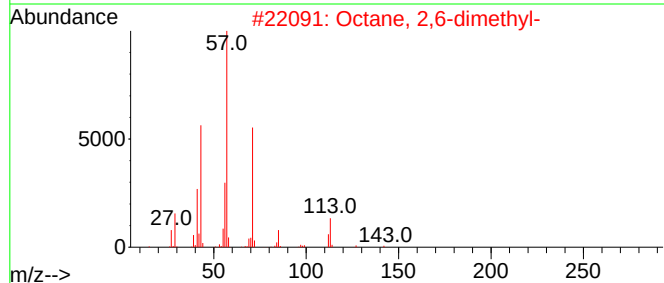
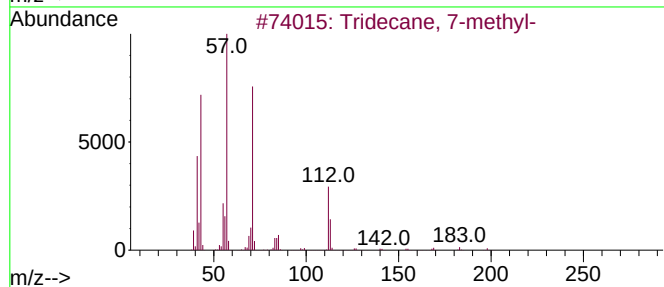
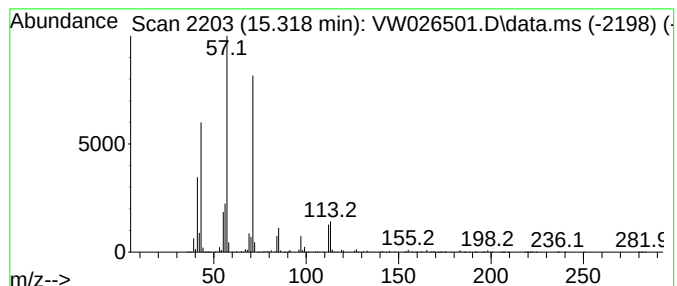
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	219.80 ug/L	14625700	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	83
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
4			Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

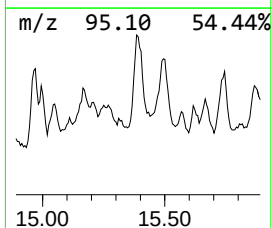
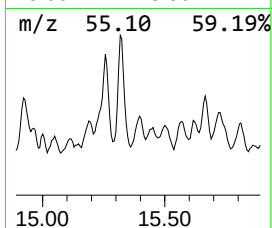
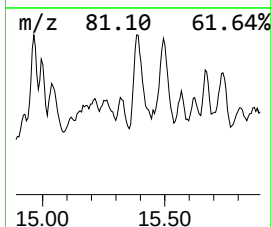
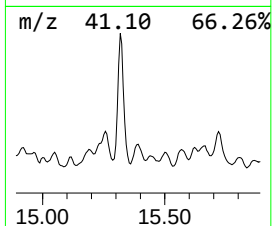
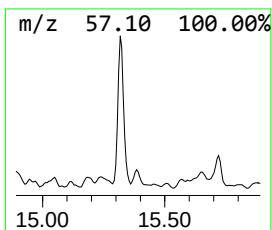
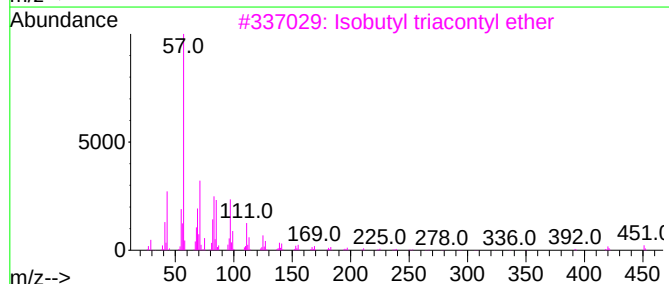
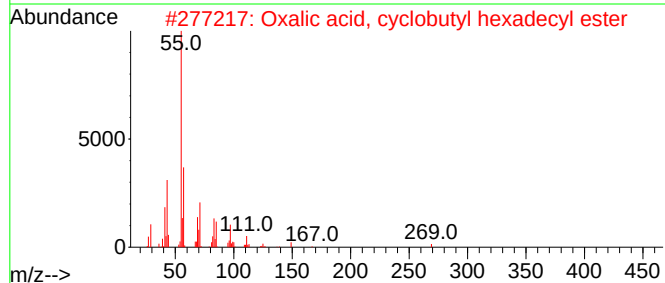
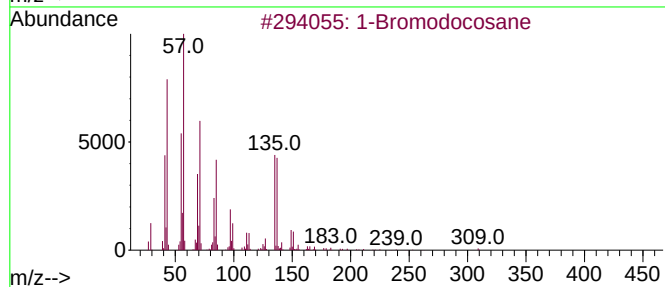
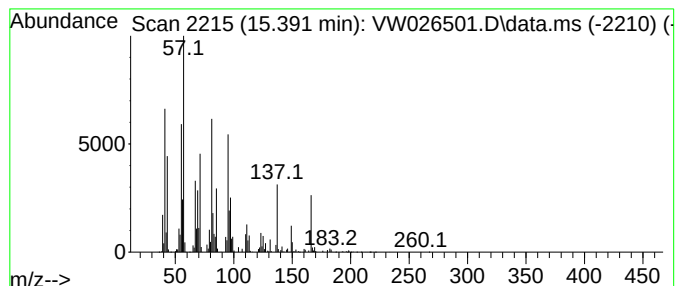
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Quant Title : SFAM01.0

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

Peak Number 32 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	47.53 ug/L	3162700	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Bromodocosane	388	C22H45Br	006938-66-5	38
2		Oxalic acid, cyclobutyl hexadecy...	368	C22H40O4	1000309-70-6	35
3		Isobutyl triacontyl ether	495	C34H70O	1000406-33-5	30
4		Dotriacontyl isobutyl ether	523	C36H74O	1010406-33-6	30
5		Docosyl isobutyl ether	382	C26H54O	1000406-33-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

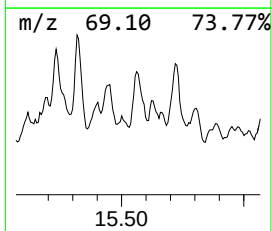
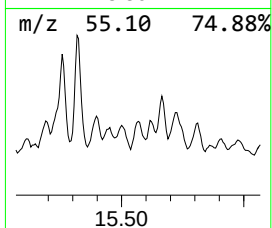
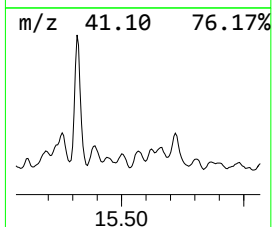
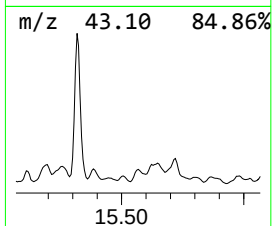
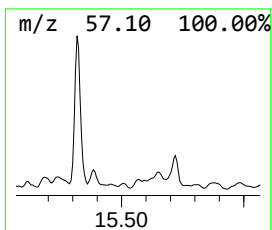
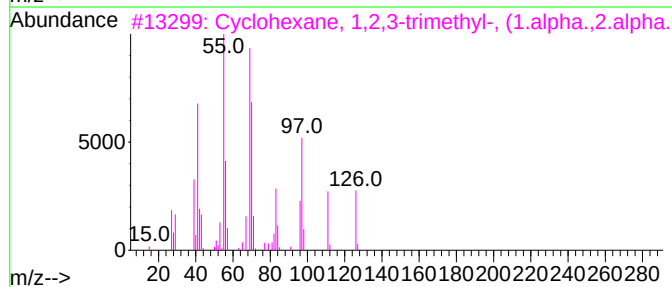
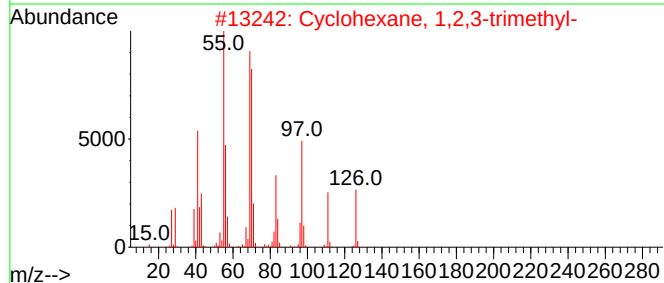
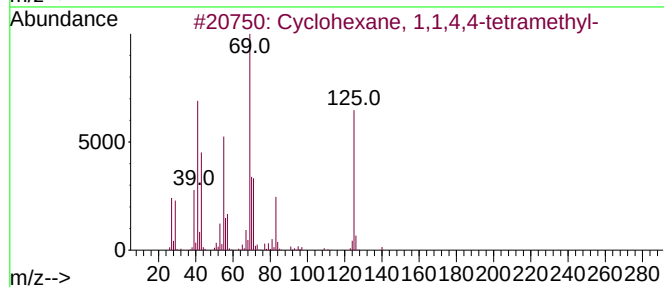
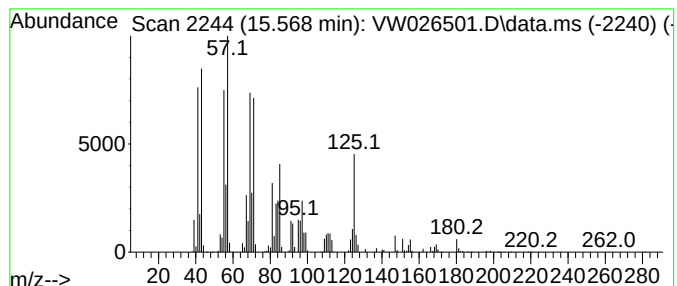
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic15.568 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	28.36 ug/L	1887470	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
2			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	42
3			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	007667-55-2	41
4			Cyclopentane, butyl-	126	C9H18	002040-95-1	38
5			4-Methyl-dodec-3-en-1-ol	198	C13H26O	156992-84-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

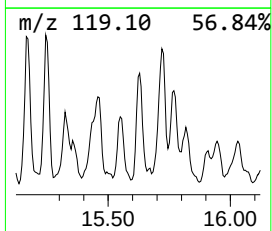
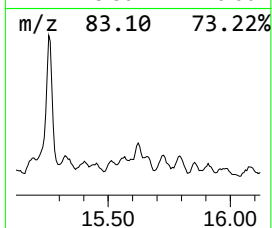
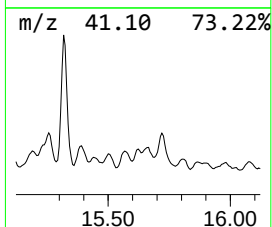
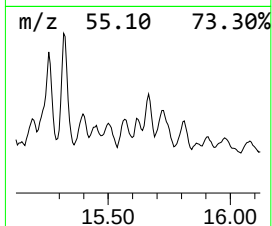
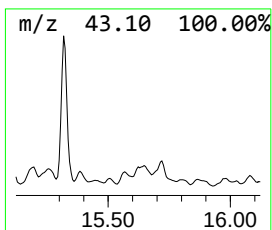
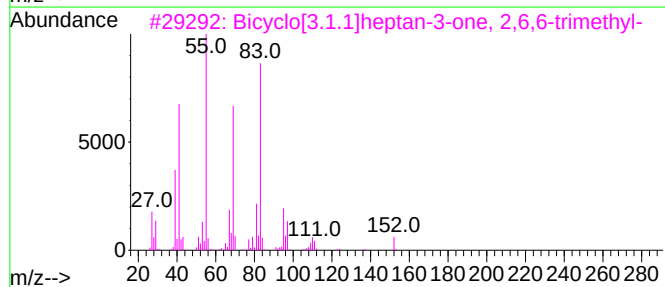
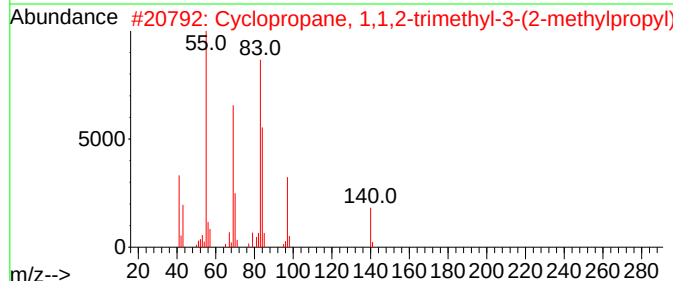
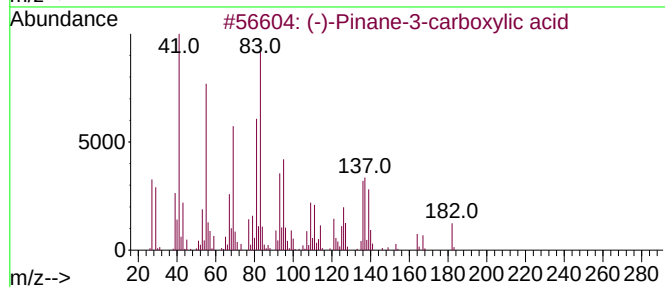
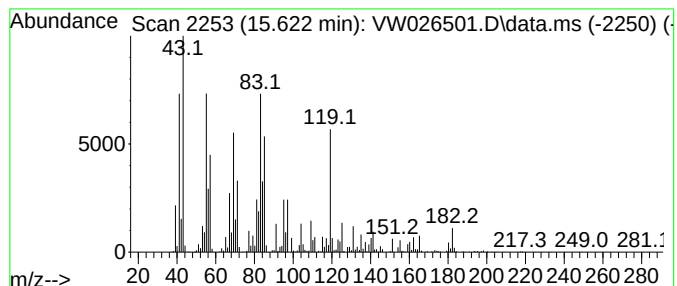
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Quant Title : SFAM01.0

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

Peak Number 34 unknown-07 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.623	18.89 ug/L	1257300	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-Pinane-3-carboxylic acid	182	C11H18O2	064284-84-0	46		
2	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	38		
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	018358-53-7	35		
4	Crotonic acid, menthyl ester	224	C14H24O2	114761-14-7	27		
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	27		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

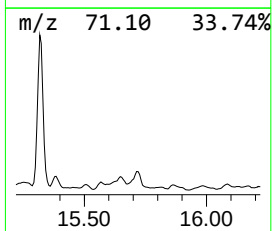
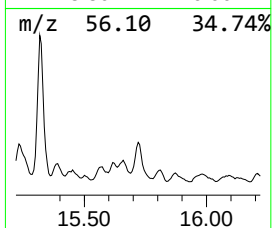
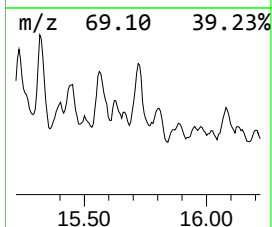
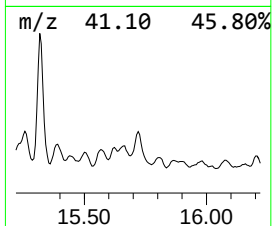
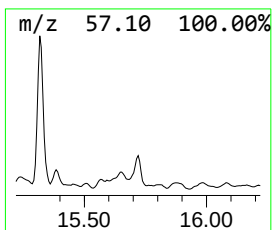
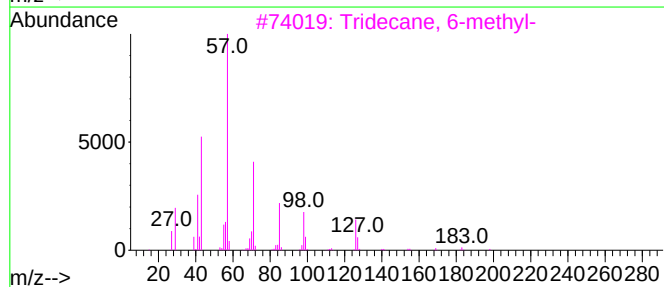
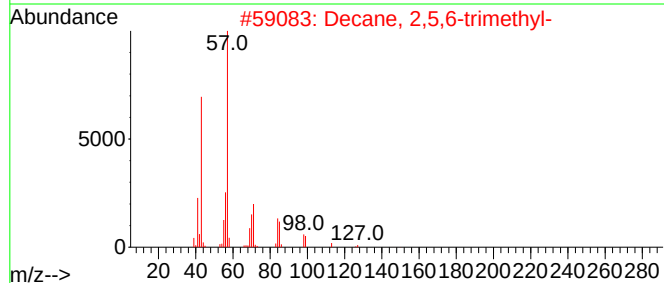
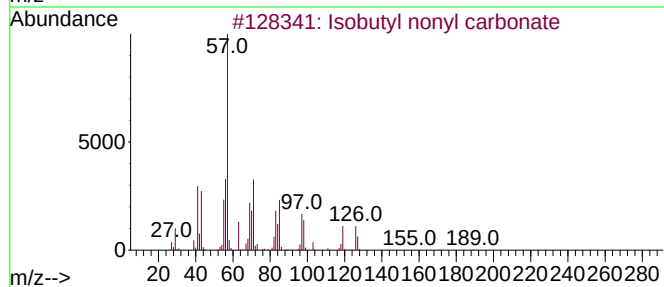
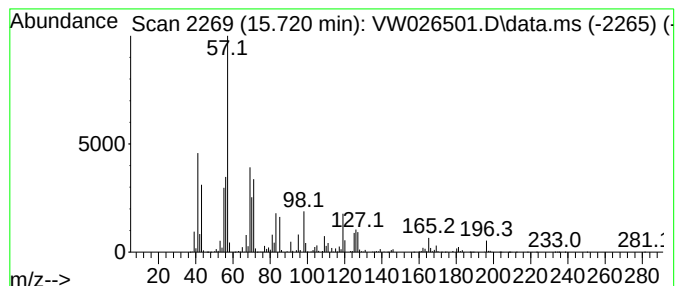
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Quant Title : SFAM01.0

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

Peak Number 35 Isobutyl nonyl carbonate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	67.11 ug/L	4465930	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	72
2			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
3			Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
4			Heptyl tetradecyl ether	312	C21H44O	1000406-39-3	50
5			Nonyl tetradecyl ether	340	C23H48O	1000406-37-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

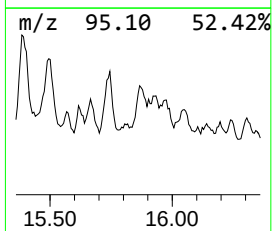
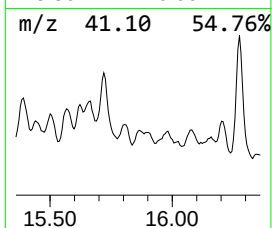
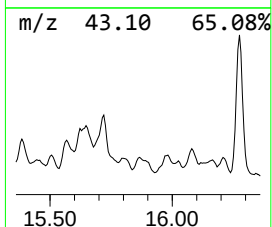
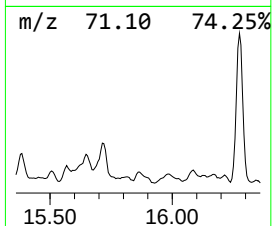
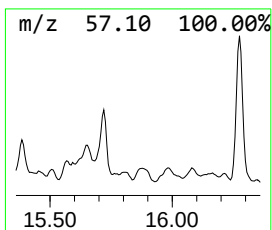
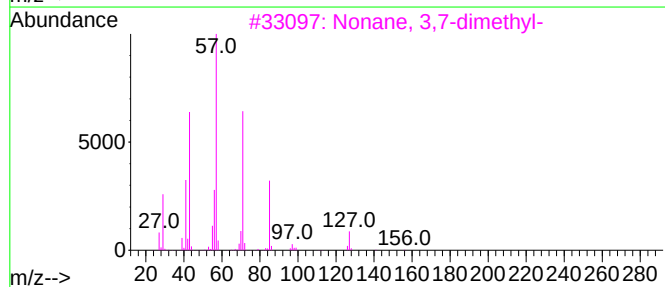
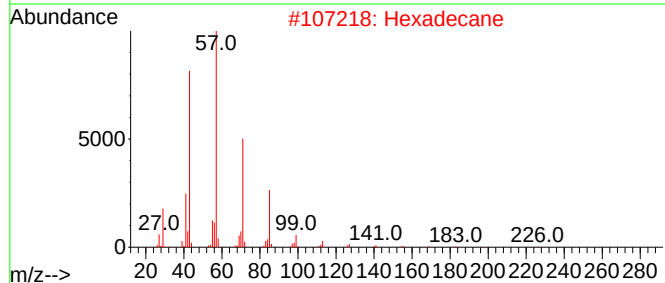
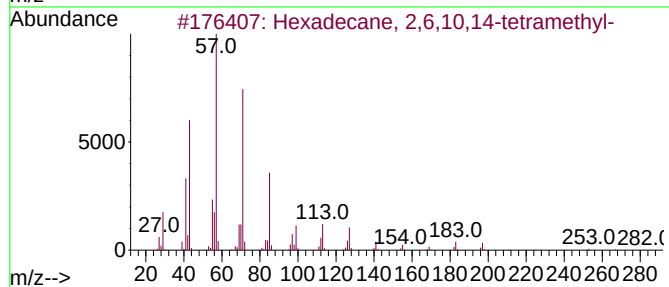
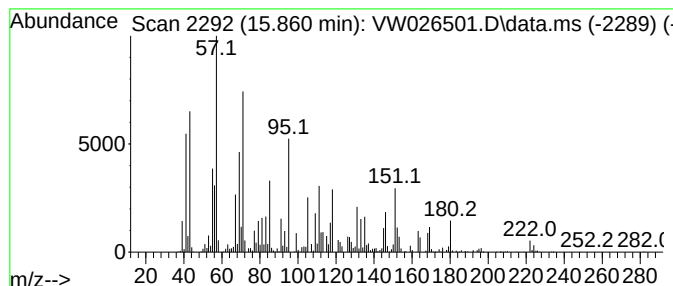
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.860	18.36 ug/L	1221450	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	55
2			Hexadecane	226	C16H34	000544-76-3	38
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
4			3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	38
5			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026501.D
Acq On : 01 Jul 2023 03:36
Operator : SY/MD
Sample : 03501-04
Misc : 4.52g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46W1

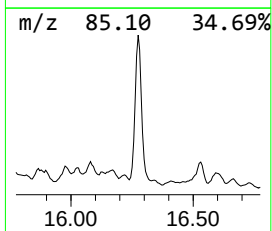
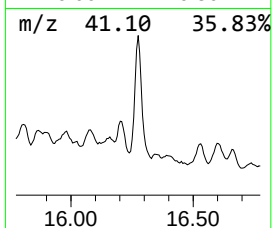
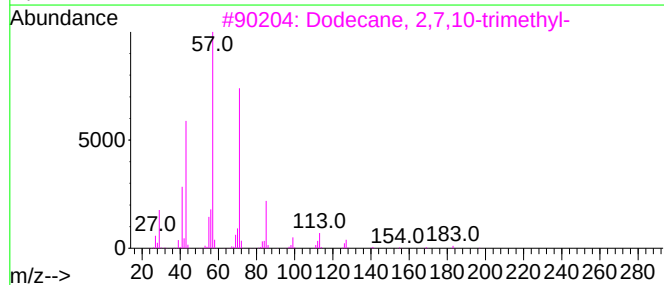
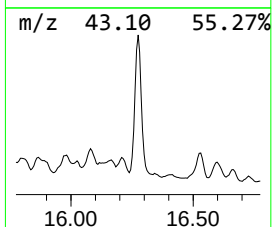
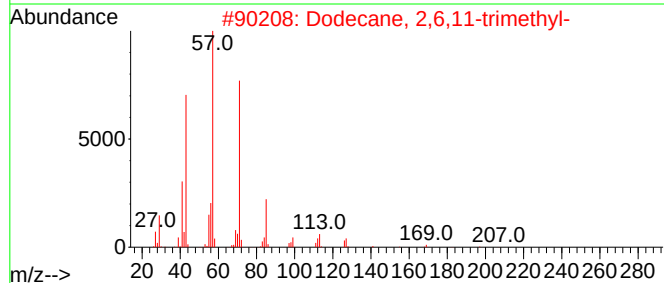
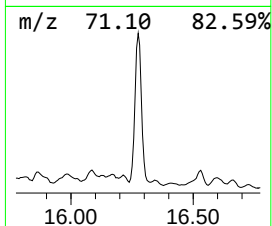
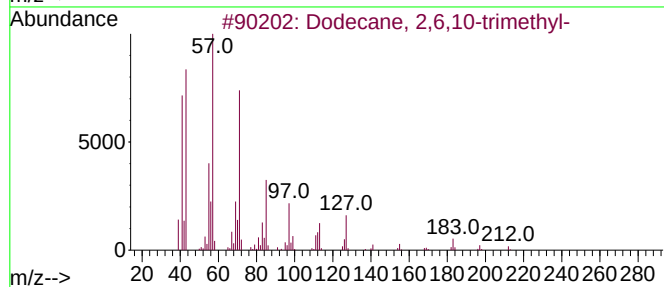
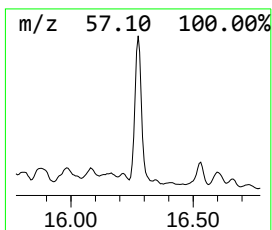
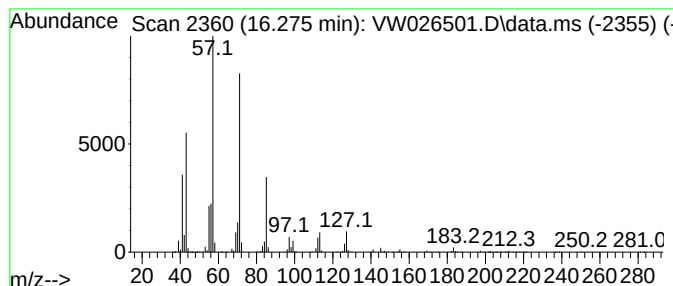
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	124.56 ug/L	8288140	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	91
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026501.D
 Acq On : 01 Jul 2023 03:36
 Operator : SY/MD
 Sample : 03501-04
 Misc : 4.52g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46W1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.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
Ethene, chlorot...	1.966	5.1	ug/L	464437	1	8.843	2292700	25.0
(DEL) Alkane: S...	11.507	1.4	ug/L	165119	2	11.629	2954240	25.0
(DEL) Alkane: S...	12.251	5.5	ug/L	647310	2	11.629	2954240	25.0
(DEL) Alkane: S...	12.361	13.3	ug/L	1576540	2	11.629	2954240	25.0
(DEL) Alkane: S...	12.617	4.5	ug/L	296225	3	13.556	1663560	25.0
unknown-01	12.775	9.8	ug/L	655472	3	13.556	1663560	25.0
(DEL) Alkane: C...	12.855	9.0	ug/L	601847	3	13.556	1663560	25.0
(DEL) Alkane: S...	13.074	9.1	ug/L	604153	3	13.556	1663560	25.0
(DEL) Alkane: S...	13.123	6.2	ug/L	414872	3	13.556	1663560	25.0
(DEL) Alkane: S...	13.160	9.1	ug/L	603613	3	13.556	1663560	25.0
(DEL) Alkane: S...	13.342	14.9	ug/L	995088	3	13.556	1663560	25.0
(DEL) Alkane: C...	13.373	7.2	ug/L	480480	3	13.556	1663560	25.0
(DEL) Alkane: C...	13.446	45.4	ug/L	3019430	3	13.556	1663560	25.0
unknown-02	13.483	14.0	ug/L	930656	3	13.556	1663560	25.0
(DEL) Alkane: S...	13.696	31.4	ug/L	2086330	3	13.556	1663560	25.0
Sulfurous acid,...	13.916	19.2	ug/L	1277360	3	13.556	1663560	25.0
(DEL) Alkane: S...	13.976	19.1	ug/L	1272810	3	13.556	1663560	25.0
(DEL) Alkane: S...	14.019	12.0	ug/L	797441	3	13.556	1663560	25.0
(DEL) Alkane: S...	14.190	27.4	ug/L	1821980	3	13.556	1663560	25.0
unknown-03	14.257	34.1	ug/L	2269080	3	13.556	1663560	25.0
(DEL) Alkane: S...	14.312	11.6	ug/L	772250	3	13.556	1663560	25.0
Naphthalene, de...	14.379	101.2	ug/L	6734970	3	13.556	1663560	25.0
cis-Decalin, 2-...	14.543	39.1	ug/L	2601510	3	13.556	1663560	25.0
(DEL) Alkane: S...	14.653	13.6	ug/L	905502	3	13.556	1663560	25.0
(DEL) Alkane: C...	14.732	29.8	ug/L	1983210	3	13.556	1663560	25.0
(DEL) Alkane: C...	14.793	69.0	ug/L	4593650	3	13.556	1663560	25.0
(DEL) Alkane: S...	14.836	119.9	ug/L	7975940	3	13.556	1663560	25.0
unknown-04	15.001	8.3	ug/L	551927	3	13.556	1663560	25.0
unknown-05	15.117	11.0	ug/L	733251	3	13.556	1663560	25.0
(DEL) Alkane: S...	15.318	219.8	ug/L	14625700	3	13.556	1663560	25.0
unknown-06	15.391	47.5	ug/L	3162700	3	13.556	1663560	25.0
(DEL) Alkane: C...	15.568	28.4	ug/L	1887470	3	13.556	1663560	25.0
unknown-07	15.623	18.9	ug/L	1257300	3	13.556	1663560	25.0
Isobutyl nonyl ...	15.720	67.1	ug/L	4465930	3	13.556	1663560	25.0
(DEL) Alkane: S...	15.860	18.4	ug/L	1221450	3	13.556	1663560	25.0
(DEL) Alkane: S...	16.275	124.6	ug/L	8288140	3	13.556	1663560	25.0