

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026459.D
 Acq On : 30 Jun 2023 02:03
 Operator : SY/MD
 Sample : 03452-16
 Misc : 4.81g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46P8

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: VW026459.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.143	38	42	46	rBV3	8643	15178	0.29%	0.038%
2	2.216	51	54	56	rBV4	4214	5683	0.11%	0.014%
3	2.356	72	77	87	rVB	71740	145731	2.77%	0.369%
4	2.485	96	98	102	rBV5	2674	2416	0.05%	0.006%
5	2.631	117	122	127	rBV9	7931	16774	0.32%	0.043%
6	2.808	149	151	154	rBV4	3036	3309	0.06%	0.008%
7	2.893	158	165	181	rVB	69820	194086	3.69%	0.492%
8	3.094	196	198	200	rBV3	3090	2444	0.05%	0.006%
9	3.381	238	245	246	rBV7	4248	7270	0.14%	0.018%
10	3.399	246	248	249	rVV2	3823	2970	0.06%	0.008%
11	3.466	256	259	261	rVB4	2199	2272	0.04%	0.006%
12	3.545	265	272	274	rVB7	2610	4720	0.09%	0.012%
13	4.015	338	349	359	rBV	157189	416776	7.92%	1.056%
14	4.124	359	367	380	rVB	56667	159863	3.04%	0.405%
15	4.381	398	409	421	rBV	14327	44153	0.84%	0.112%
16	4.551	433	437	439	rVB5	1742	2212	0.04%	0.006%
17	4.600	439	445	446	rBV6	1537	2491	0.05%	0.006%
18	4.917	489	497	506	rBV3	14597	44745	0.85%	0.113%
19	5.167	536	538	543	rBV5	2439	2921	0.06%	0.007%
20	5.258	549	553	556	rVB6	2000	2629	0.05%	0.007%
21	5.453	582	585	590	rVB7	2410	3934	0.07%	0.010%
22	5.783	637	639	642	rBV4	1808	2474	0.05%	0.006%
23	5.929	660	663	665	rBV4	2975	4525	0.09%	0.011%
24	6.173	700	703	705	rBV4	1912	2231	0.04%	0.006%
25	6.331	726	729	731	rVB3	2478	2592	0.05%	0.007%
26	6.728	791	794	796	rVB4	1889	2337	0.04%	0.006%
27	6.868	813	817	820	rBV6	1916	3226	0.06%	0.008%
28	6.923	820	826	829	rVB8	2182	3356	0.06%	0.009%
29	7.075	843	851	861	rBV	54755	165413	3.14%	0.419%
30	7.167	861	866	875	rVB	20822	56495	1.07%	0.143%
31	7.551	926	929	932	rBV5	2080	3243	0.06%	0.008%
32	7.648	936	945	954	rVV	240018	593771	11.29%	1.505%
33	7.935	989	992	995	rBV5	2113	3079	0.06%	0.008%
34	8.038	1006	1009	1013	rVB6	2812	4488	0.09%	0.011%
35	8.148	1022	1027	1034	rVB6	3515	8493	0.16%	0.022%
36	8.276	1034	1048	1062	rBV2	470693	1456366	27.69%	3.691%

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

37	8.569	1093	1096	1102	rBV8	3039	4600	0.09%	0.012%
38	8.843	1131	1141	1149	rBV	529967	1043462	19.84%	2.645%
39	9.075	1172	1179	1186	rBV	4656	13460	0.26%	0.034%
40	9.270	1202	1211	1219	rBV	352636	730001	13.88%	1.850%
41	9.569	1258	1260	1263	rBV4	1909	2843	0.05%	0.007%
42	9.654	1272	1274	1276	rBV3	3745	3656	0.07%	0.009%
43	9.752	1286	1290	1295	rBV7	7465	15221	0.29%	0.039%
44	9.806	1297	1299	1303	rVB5	4338	4511	0.09%	0.011%
45	9.892	1310	1313	1318	rBV7	5519	7250	0.14%	0.018%
46	9.959	1320	1324	1327	rBV6	6898	11004	0.21%	0.028%
47	10.032	1330	1336	1343	rVV	139009	245835	4.67%	0.623%
48	10.245	1367	1371	1375	rVB6	7310	11386	0.22%	0.029%
49	10.318	1377	1383	1393	rVV	600425	1087431	20.67%	2.756%
50	10.581	1420	1426	1432	rBV	85540	154581	2.94%	0.392%
51	10.666	1436	1440	1441	rBV4	5133	7640	0.15%	0.019%
52	10.837	1466	1468	1475	rVB7	8720	13871	0.26%	0.035%
53	10.922	1477	1482	1492	rBV	185339	343675	6.53%	0.871%
54	11.032	1497	1500	1509	rVB2	15310	36258	0.69%	0.092%
55	11.178	1520	1524	1528	rBV4	10837	23360	0.44%	0.059%
56	11.227	1528	1532	1538	rBV3	23410	51554	0.98%	0.131%
57	11.337	1546	1550	1554	rBV2	30775	50783	0.97%	0.129%
58	11.428	1563	1565	1574	rVB7	29831	54753	1.04%	0.139%
59	11.507	1575	1578	1582	rVB	21312	29151	0.55%	0.074%
60	11.629	1590	1598	1606	rBV	771197	1267872	24.10%	3.214%
61	11.708	1606	1611	1616	rVV3	19941	43540	0.83%	0.110%
62	11.873	1633	1638	1642	rBV2	62530	105165	2.00%	0.267%
63	12.062	1664	1669	1673	rBV4	41370	74324	1.41%	0.188%
64	12.135	1675	1681	1687	rBV4	105767	233613	4.44%	0.592%
65	12.251	1695	1700	1704	rVB	187977	305029	5.80%	0.773%
66	12.361	1705	1718	1726	rBV3	215455	734775	13.97%	1.862%
67	12.501	1735	1741	1748	rVB5	113065	266786	5.07%	0.676%
68	12.592	1752	1756	1757	rBV	77857	102661	1.95%	0.260%
69	12.690	1766	1772	1777	rBV2	358584	667023	12.68%	1.691%
70	12.775	1783	1786	1793	rVB5	166700	282277	5.37%	0.715%
71	12.855	1794	1799	1804	rBV5	129210	325966	6.20%	0.826%
72	12.940	1805	1813	1817	rBV5	384596	1056016	20.07%	2.677%
73	13.074	1832	1835	1839	rVB2	193396	266444	5.07%	0.675%
74	13.123	1839	1843	1847	rBV3	172742	281945	5.36%	0.715%
75	13.287	1863	1870	1875	rBV	387725	689812	13.11%	1.748%
76	13.336	1875	1878	1882	rVV	270679	437611	8.32%	1.109%

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77	13.409	1886	1890	1892	rVV3	248521	444084	8.44%	1.126%
78	13.440	1892	1895	1899	rVV3	460954	805312	15.31%	2.041%
79	13.483	1899	1902	1908	rVV4	253036	529120	10.06%	1.341%
80	13.556	1910	1914	1917	rVV	389401	687437	13.07%	1.742%
81	13.592	1917	1920	1927	rVB2	306950	601246	11.43%	1.524%
82	13.696	1931	1937	1941	rBV4	214140	458350	8.71%	1.162%
83	13.873	1958	1966	1970	rBV4	611529	1522320	28.94%	3.858%
84	13.915	1970	1973	1979	rVV4	323261	600276	11.41%	1.521%
85	13.976	1979	1983	1987	rVV3	340700	536899	10.21%	1.361%
86	14.190	2014	2018	2022	rBV	299320	453620	8.62%	1.150%
87	14.257	2024	2029	2035	rVV3	505444	904911	17.20%	2.294%
88	14.312	2035	2038	2042	rVB4	239070	338757	6.44%	0.859%
89	14.379	2043	2049	2054	rBV2	1104187	2038973	38.76%	5.168%
90	14.488	2064	2067	2070	rBV4	261436	462709	8.80%	1.173%
91	14.653	2091	2094	2098	rBV2	287778	349657	6.65%	0.886%
92	14.732	2103	2107	2112	rBV5	364496	745437	14.17%	1.889%
93	14.793	2113	2117	2121	rVV	681066	1285736	24.44%	3.259%
94	14.848	2122	2126	2134	rVB5	789181	1545184	29.37%	3.916%
95	15.116	2167	2170	2173	rVB3	246910	305004	5.80%	0.773%
96	15.318	2198	2203	2210	rVB	3226576	5260361	100.00%	13.333%
97	15.391	2210	2215	2220	rBV4	564887	1242915	23.63%	3.150%
98	15.568	2240	2244	2249	rBV4	348217	673338	12.80%	1.707%
99	15.622	2250	2253	2256	rBV3	231765	339569	6.46%	0.861%
100	16.275	2355	2360	2369	rVB	1479630	2840961	54.01%	7.201%

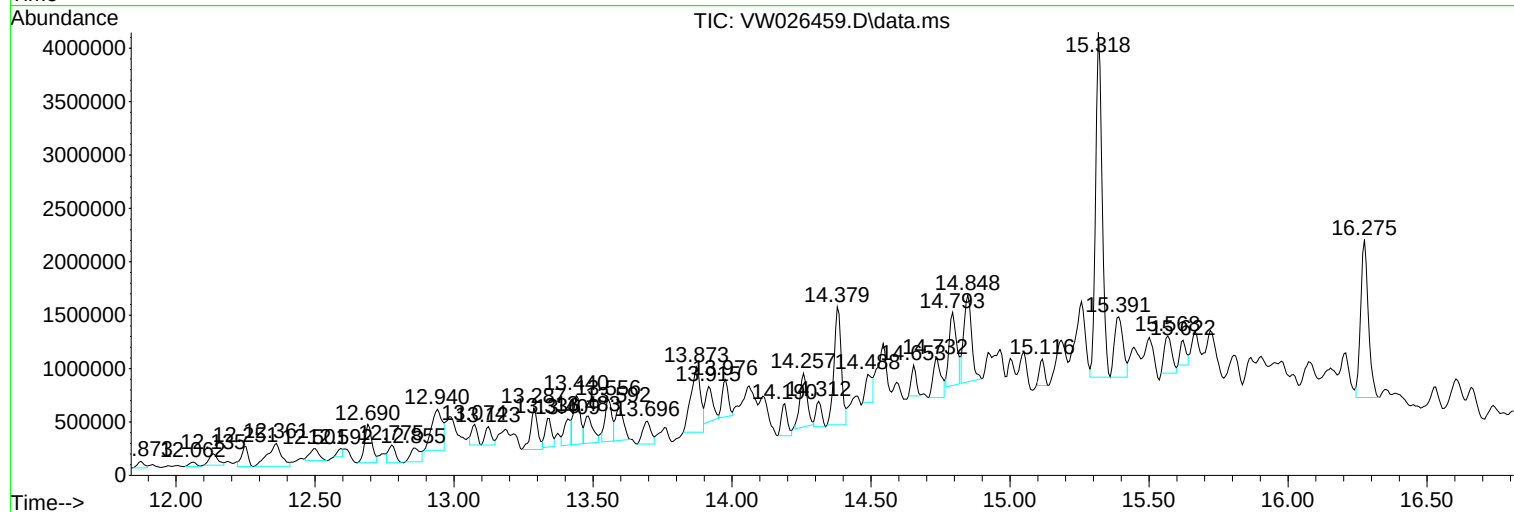
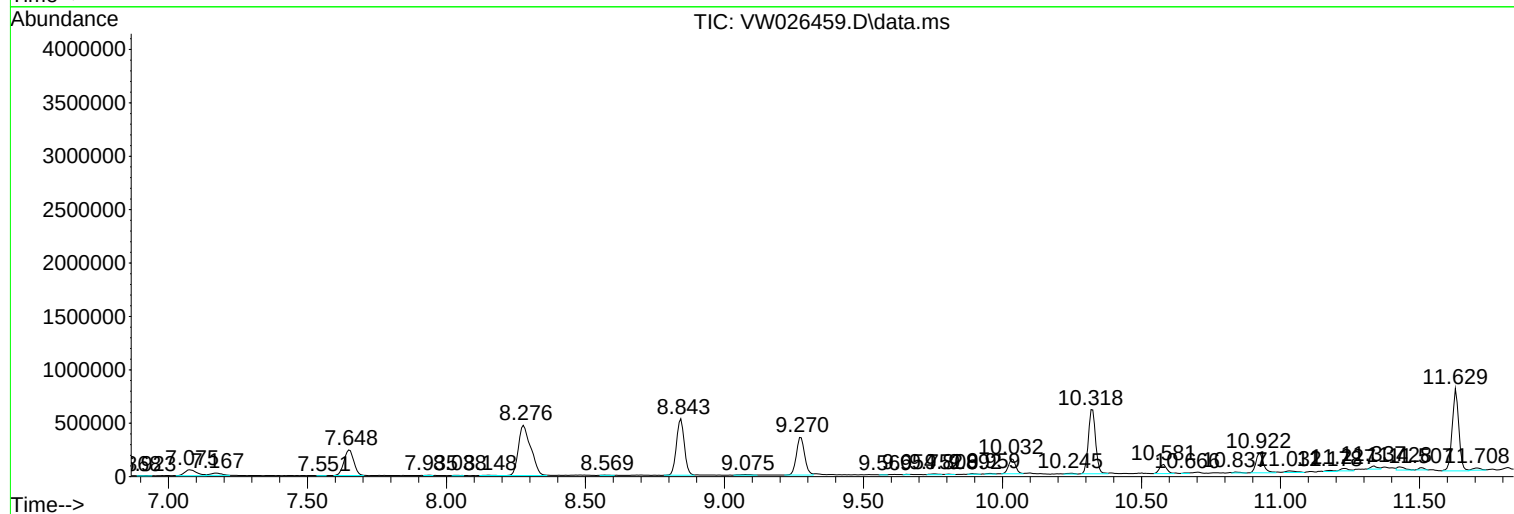
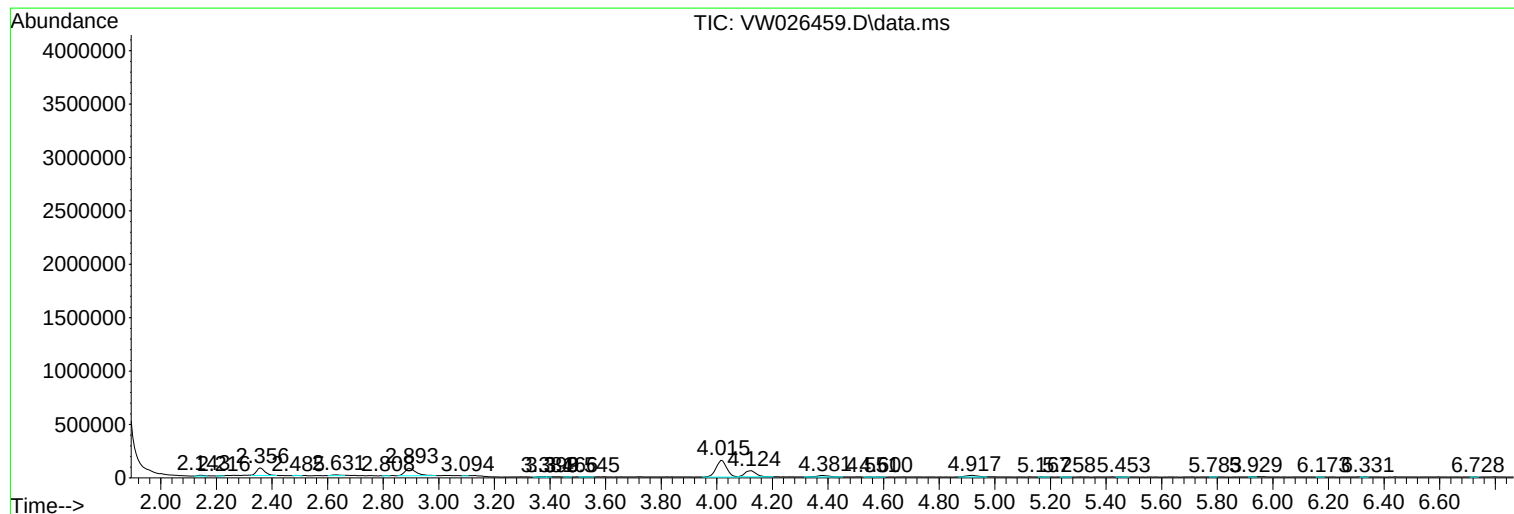
Sum of corrected areas: 39453987

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Instrument :
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ClientSampleId :
A46P8

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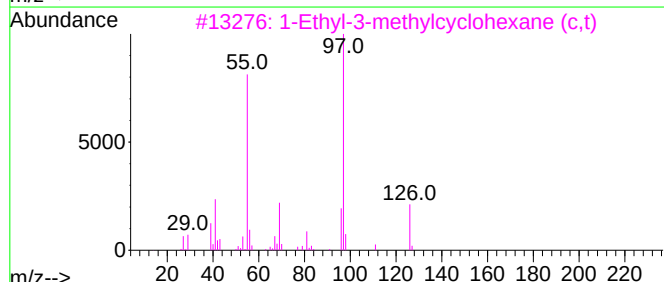
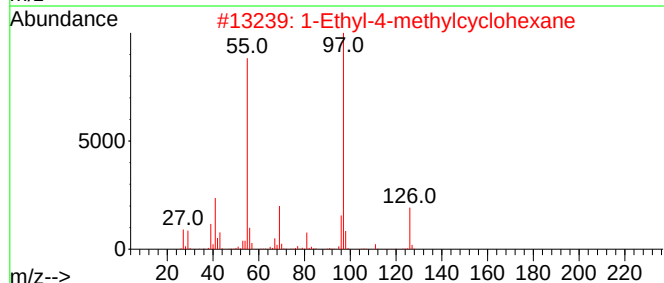
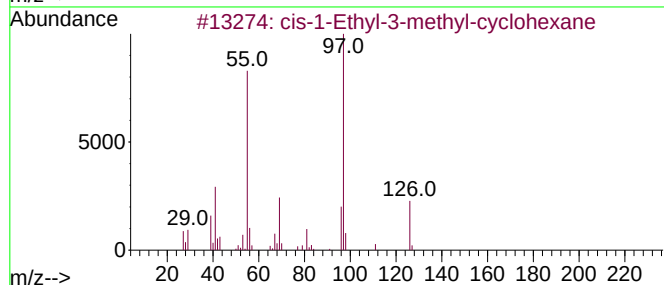
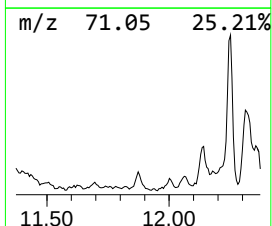
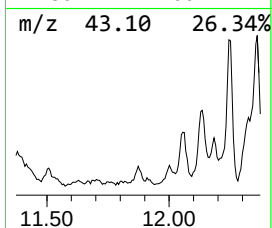
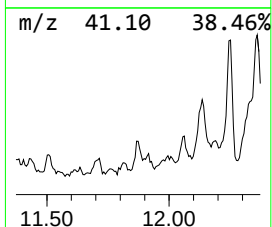
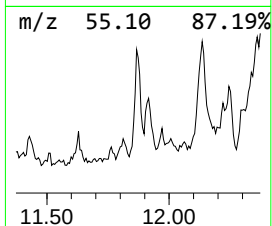
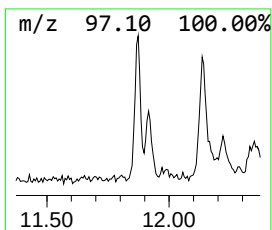
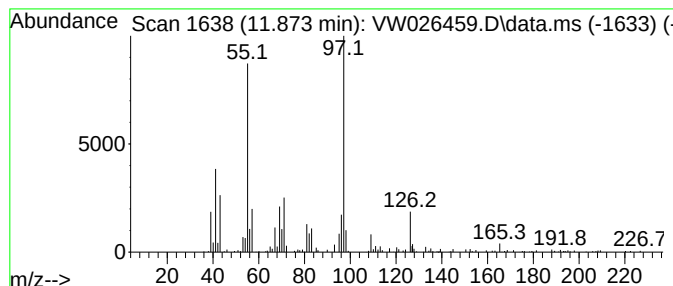
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic11.873 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	2.07 ug/L	105165	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	93
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	81
3			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	81
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	81
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	76



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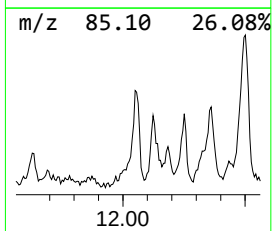
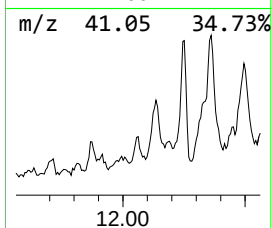
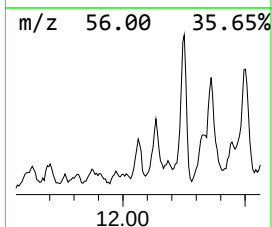
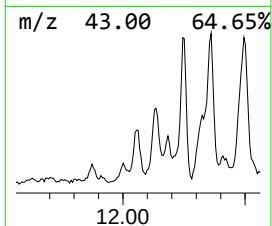
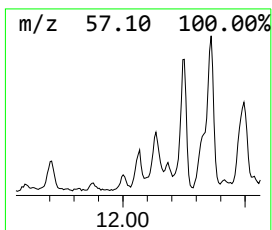
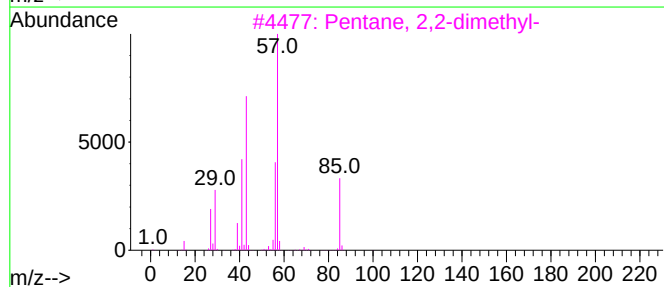
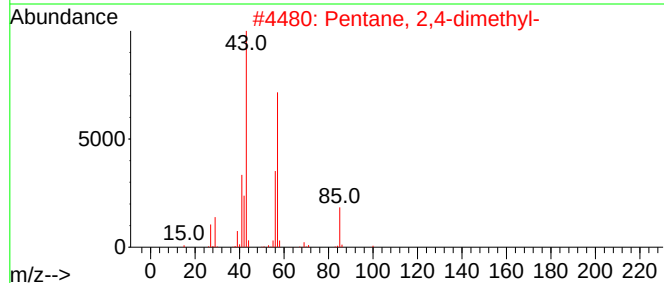
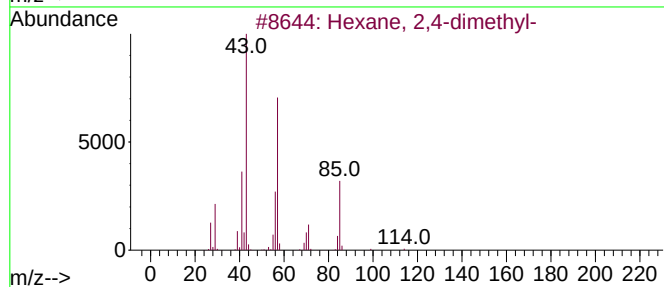
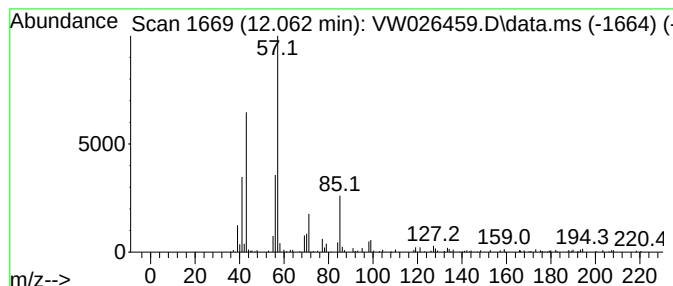
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.062	1.47 ug/L	74324	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	64
2	Pentane, 2,4-dimethyl-		100	C7H16	000108-08-7	50
3	Pentane, 2,2-dimethyl-		100	C7H16	000590-35-2	50
4	Pentane, 2,2-dimethyl-		100	C7H16	000590-35-2	50
5	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	47



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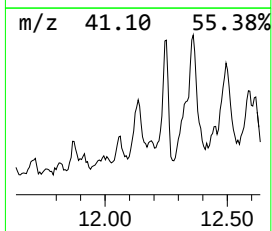
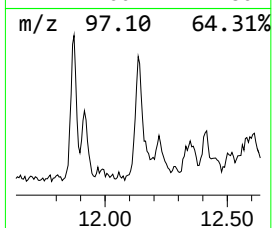
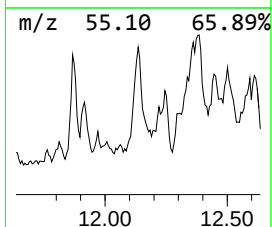
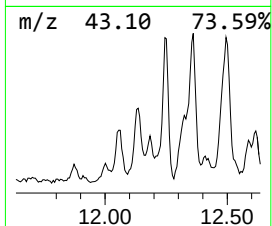
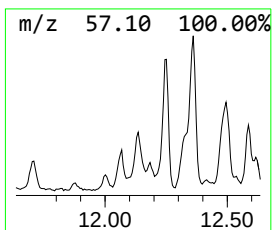
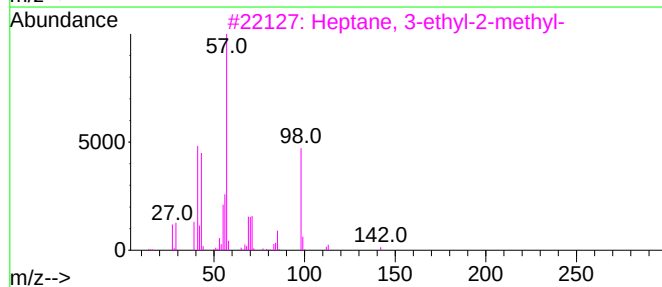
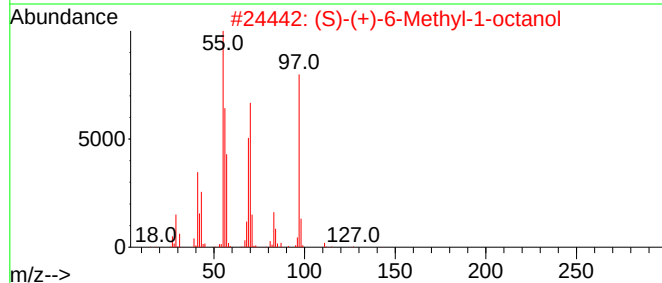
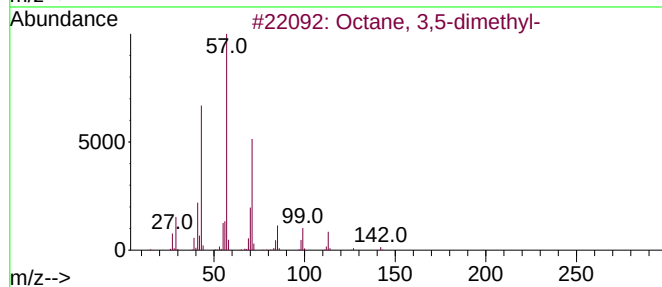
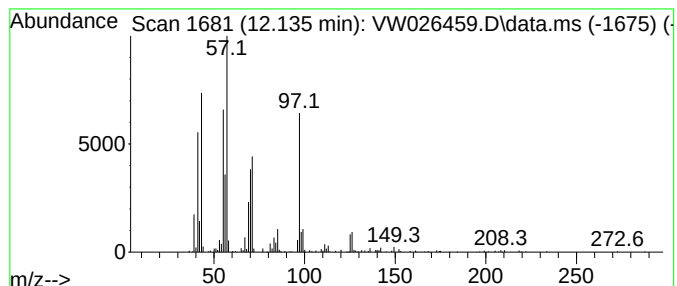
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MSVOA_W
ClientSampleId :
A46P8

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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.	
12.135	4.61 ug/L	233613	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	43
2	(S)-(+)-6-Methyl-1-octanol		144	C9H20O	110453-78-6	38
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	38
4	Pentane, 2,3,4-trimethyl-		114	C8H18	000565-75-3	35
5	Octane, 2,5-dimethyl-		142	C10H22	015869-89-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

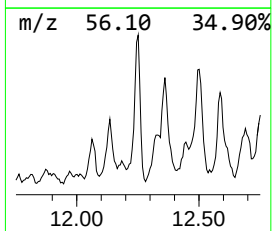
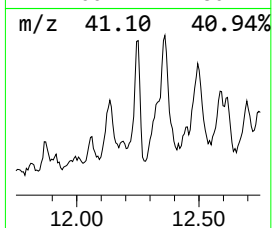
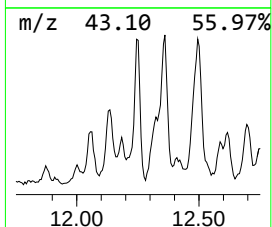
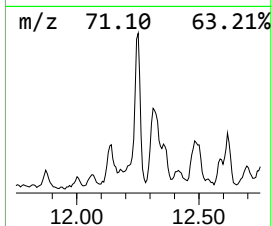
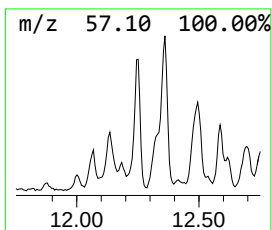
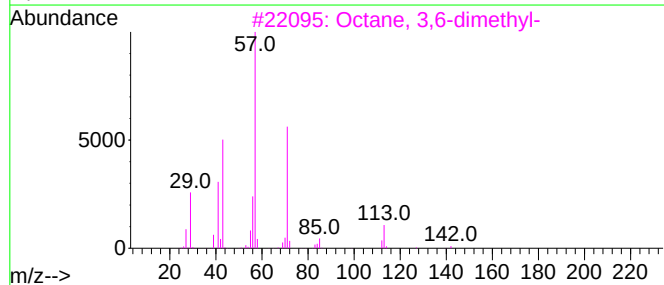
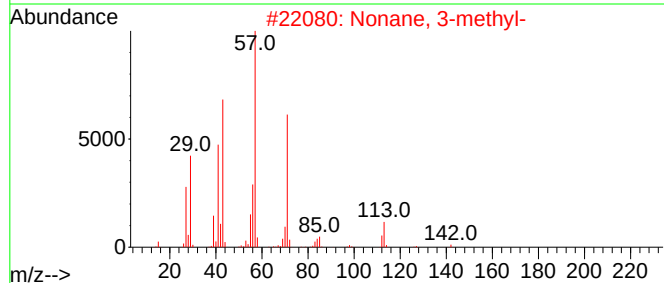
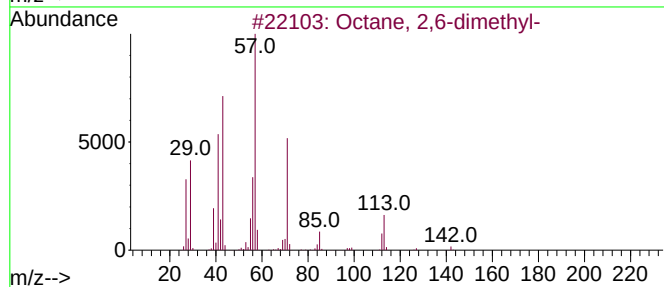
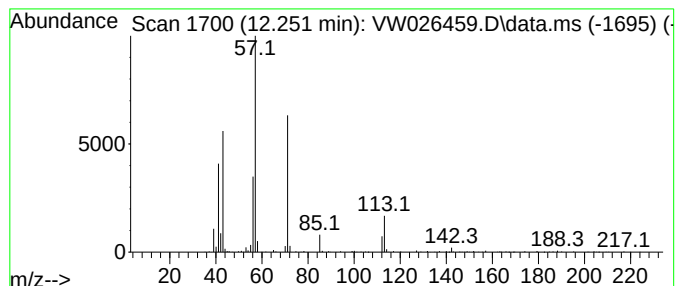
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	6.01 ug/L	305029	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	90
2	Nonane, 3-methyl-			142	C10H22	005911-04-6	87
3	Octane, 3,6-dimethyl-			142	C10H22	015869-94-0	86
4	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	72
5	Sulfurous acid, 2-ethylhexyl tri...			376	C21H44O3S	1000309-19-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

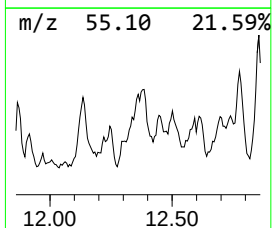
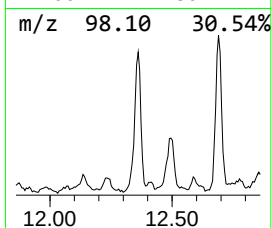
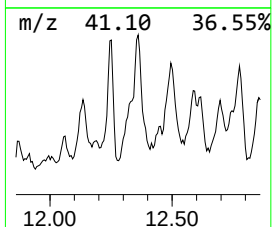
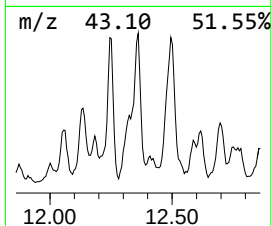
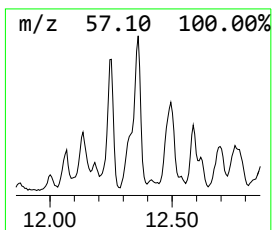
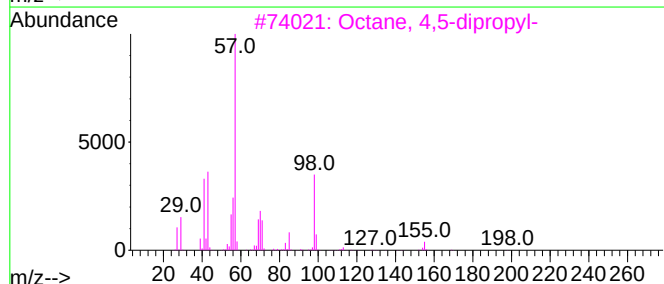
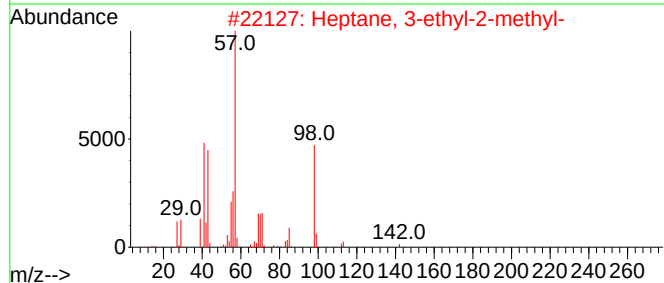
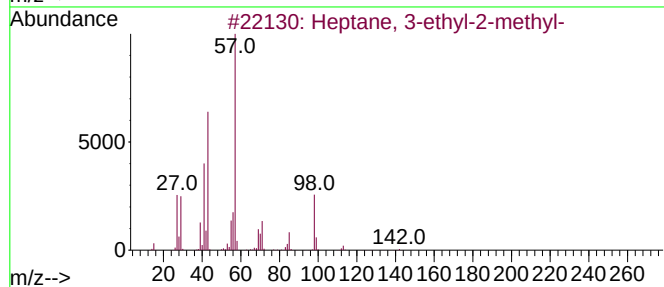
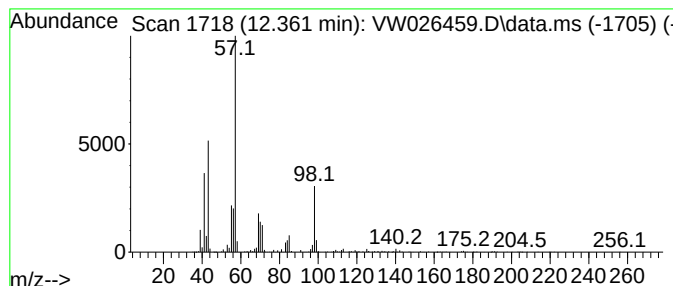
Instrument :
MSVOA_W
ClientSampleId :
A46P8

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 6 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.361	14.49 ug/L	734775	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, 4,5-dipropyl-		198	C14H30	020905-05-9	78
4	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	78
5	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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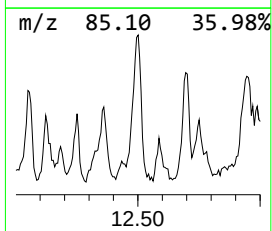
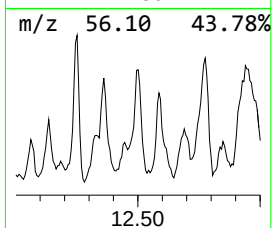
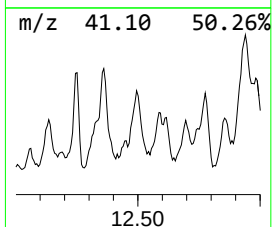
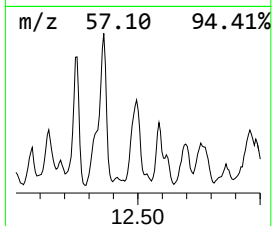
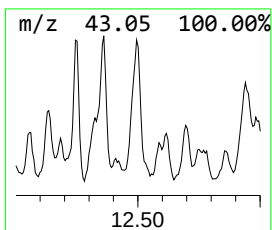
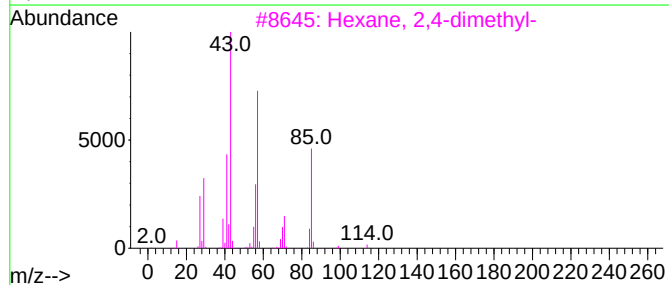
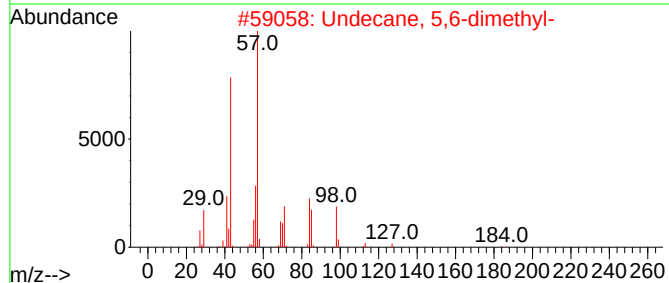
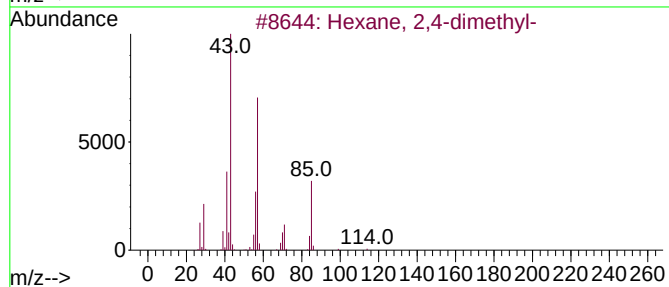
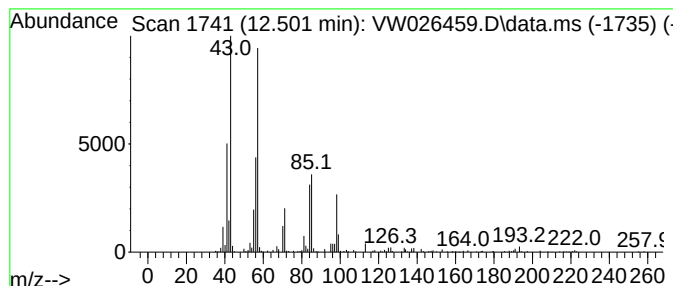
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.501	5.26 ug/L	266786	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
2		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	50
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4		Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	50
5		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

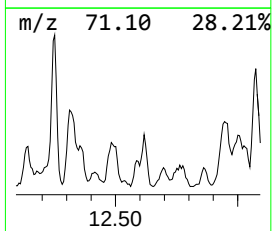
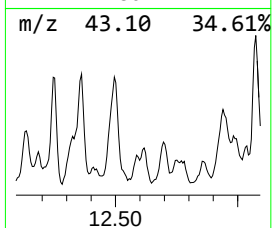
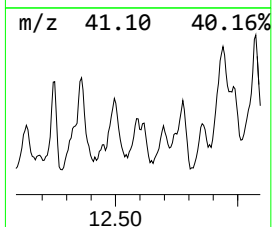
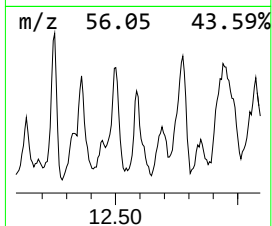
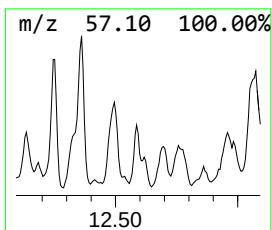
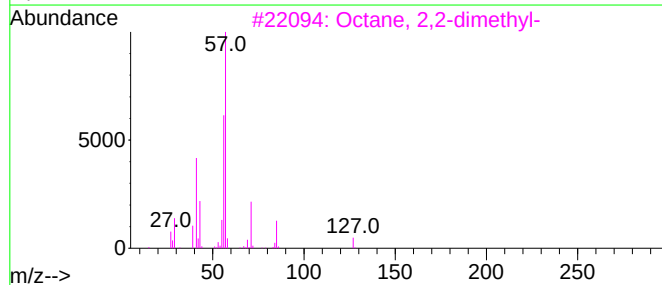
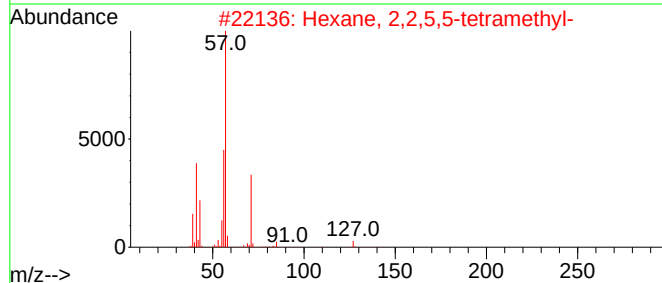
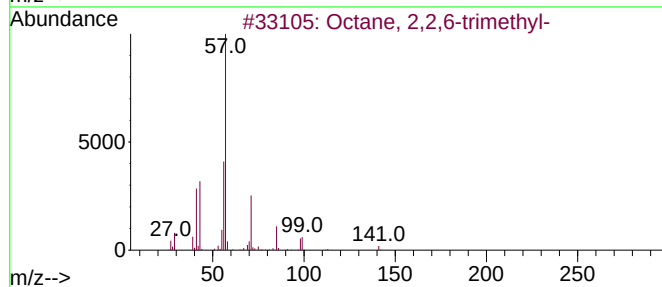
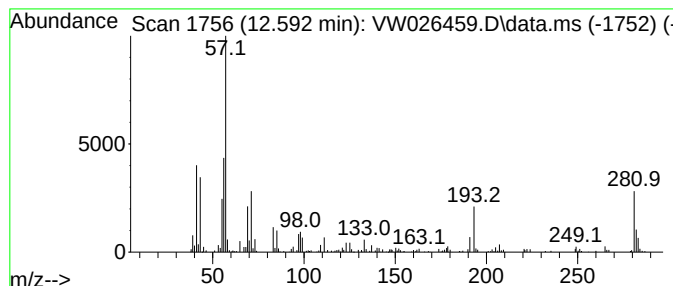
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.592	3.73 ug/L	102661	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	47
2	Hexane, 2,2,5,5-tetramethyl-		142	C10H22	001071-81-4	32
3	Octane, 2,2-dimethyl-		142	C10H22	015869-87-1	32
4	Octane, 2,2-dimethyl-		142	C10H22	015869-87-1	32
5	Dodecane, 2,2,11,11-tetramethyl-		226	C16H34	127204-12-0	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

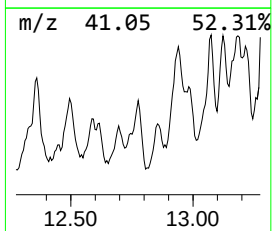
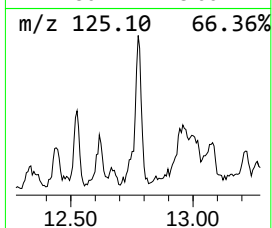
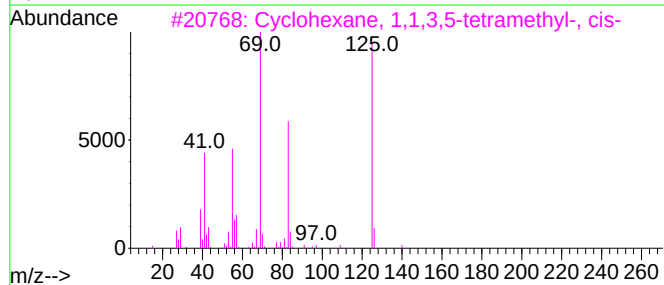
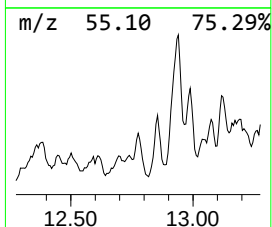
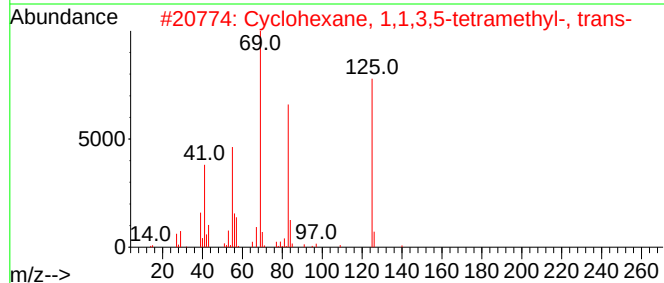
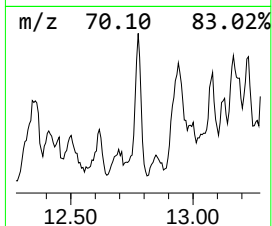
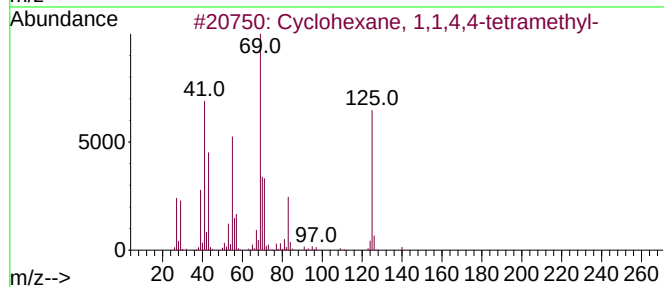
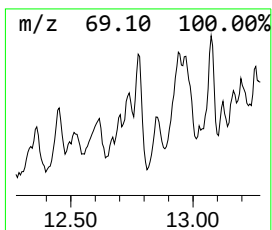
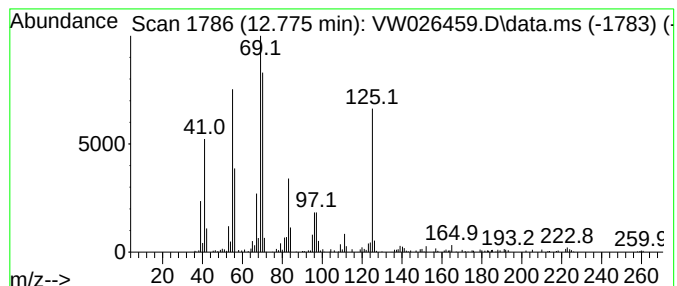
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic12.775 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	10.27 ug/L	282277	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	49
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
4			2-Undecene, 2-methyl-	168	C12H24	056888-88-1	38
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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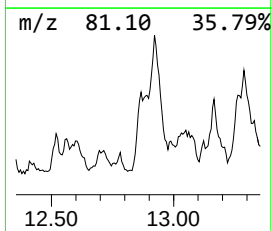
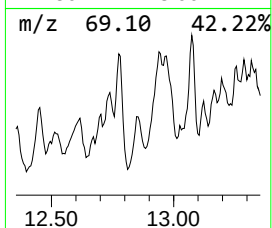
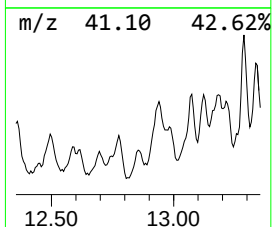
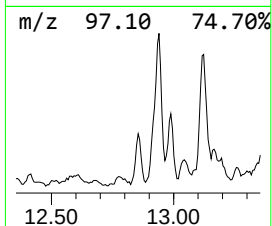
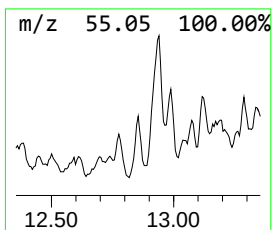
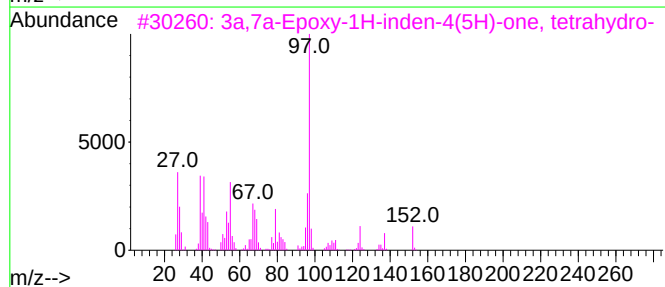
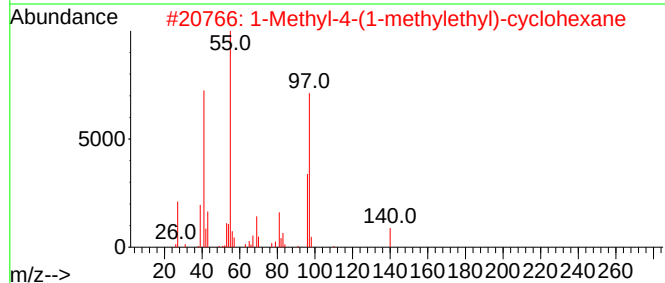
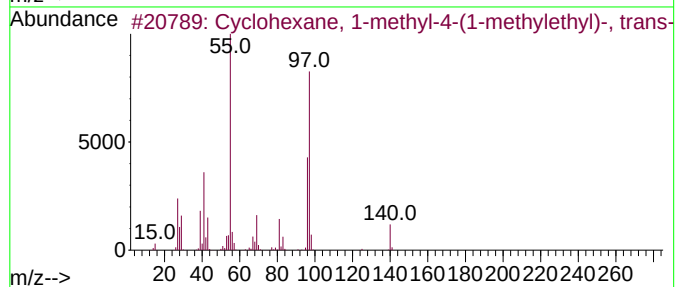
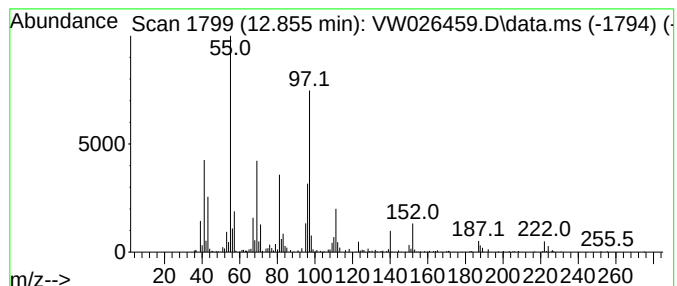
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic12.855 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	11.85 ug/L	325966	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	62
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	62
3			3a,7a-Epoxy-1H-inden-4(5H)-one, ...	152	C9H12O2	039746-31-1	58
4			Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	58
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

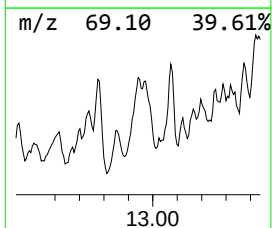
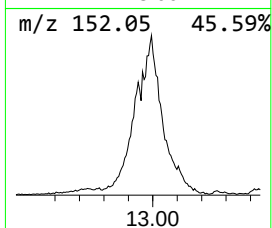
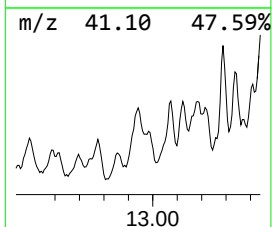
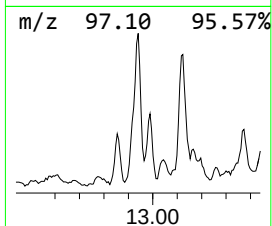
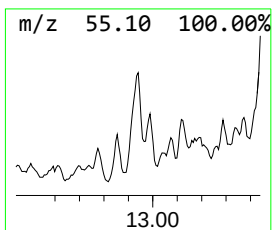
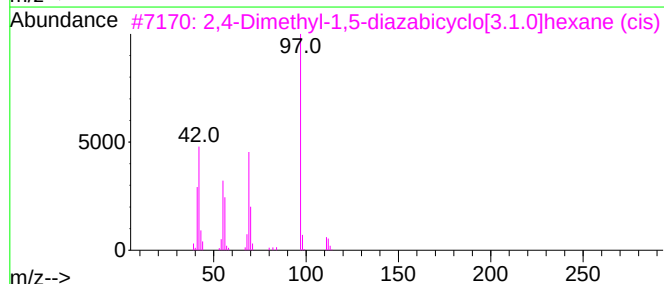
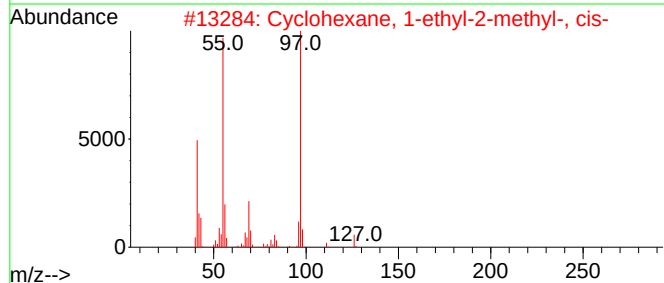
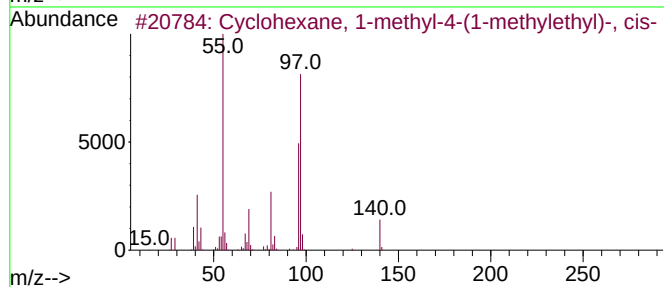
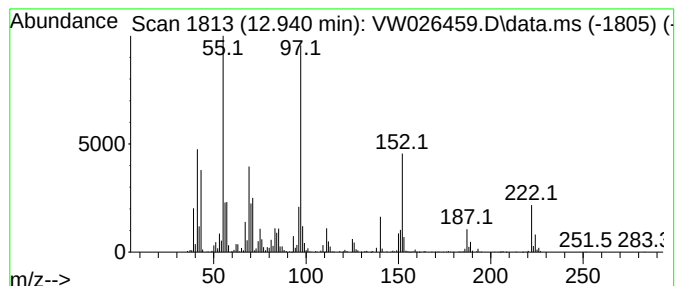
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic12.940 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	38.40 ug/L	1056020	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	38
3			2,4-Dimethyl-1,5-diazabicyclo[3...	112	C6H12N2	100463-01-2	38
4			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	38
5			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

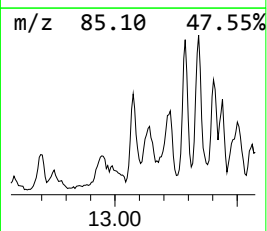
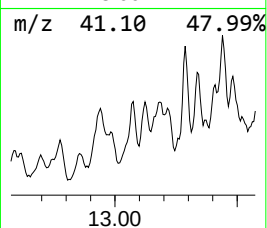
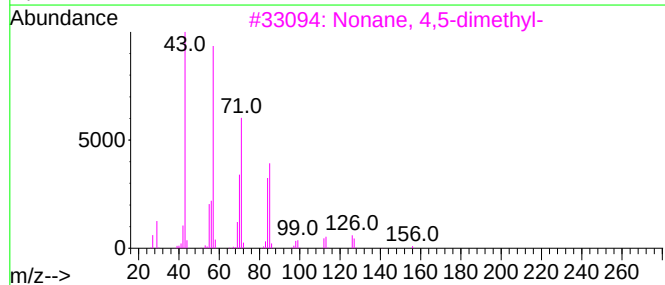
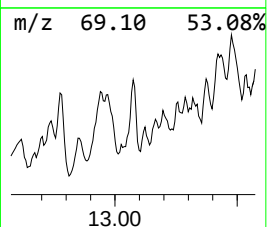
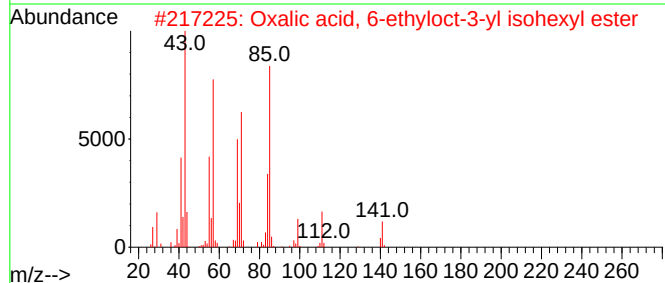
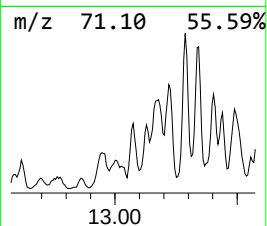
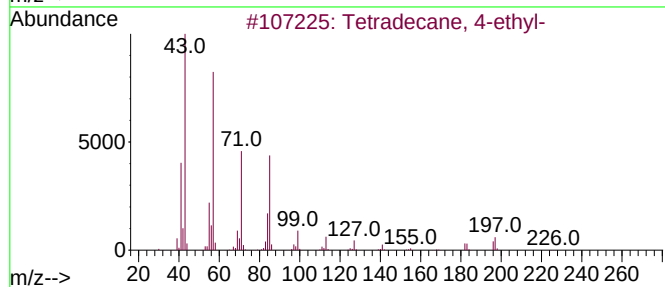
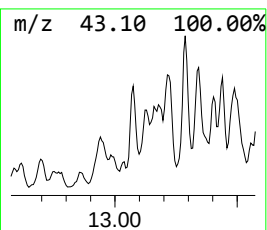
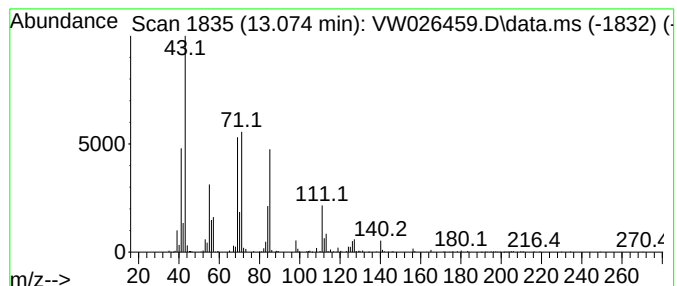
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	9.69 ug/L	266444	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	59
2		Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	59
3		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	58
4		Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53
5		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

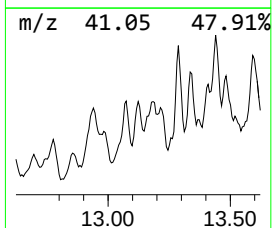
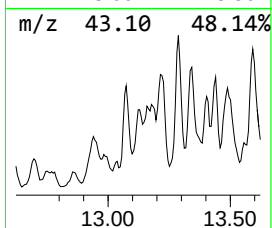
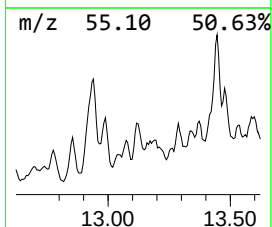
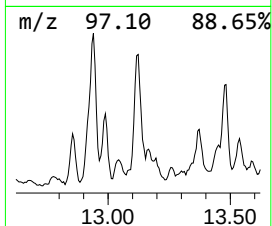
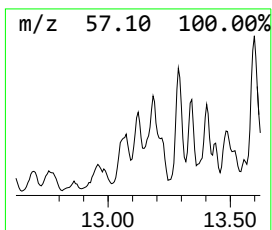
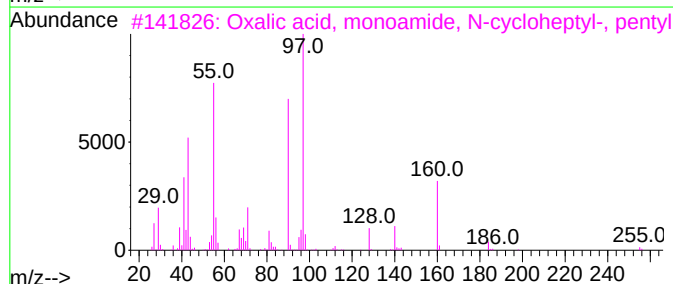
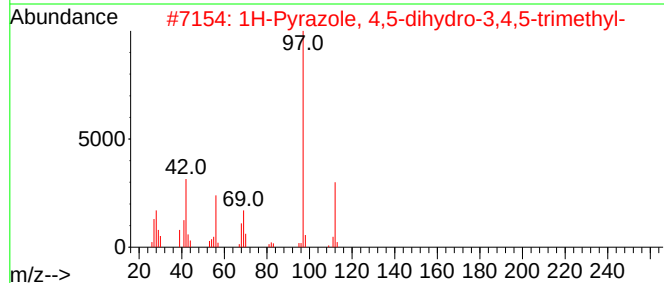
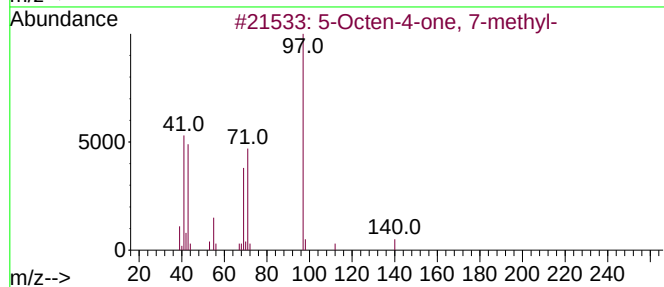
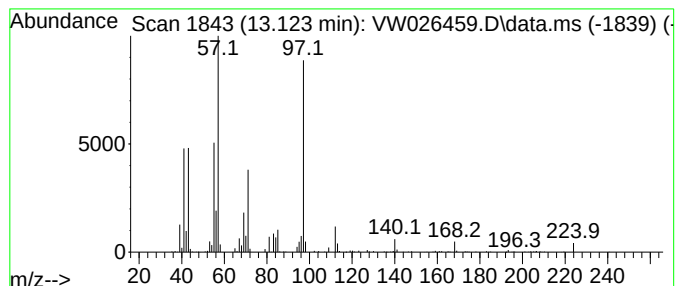
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Quant Title : SFAM01.0

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

Peak Number 13 5-Octen-4-one, 7-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	10.25 ug/L	281945	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	52
2			1H-Pyrazole, 4,5-dihydro-3,4,5-t...	112	C6H12N2	022591-95-3	43
3			Oxalic acid, monoamide, N-cycloh...	255	C14H25NO3	1000309-48-3	38
4			3-Butene-1,2-diol, 1-(2-furanyl)...	168	C9H12O3	021141-71-9	38
5			2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

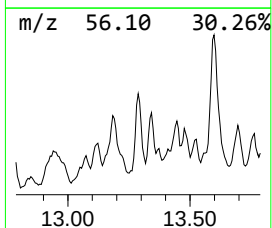
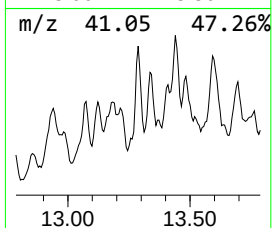
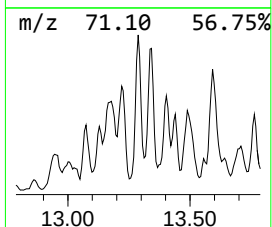
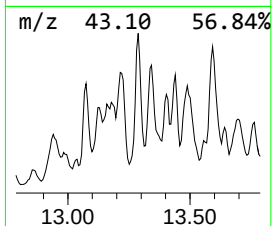
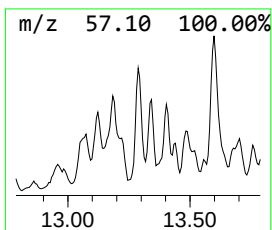
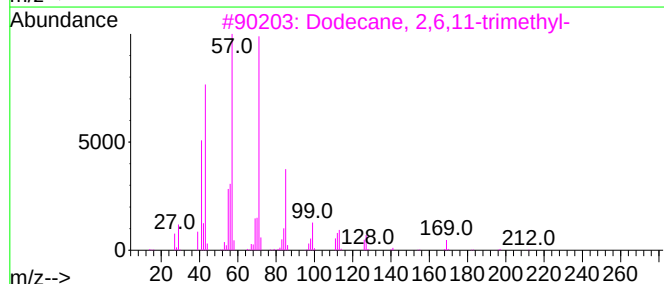
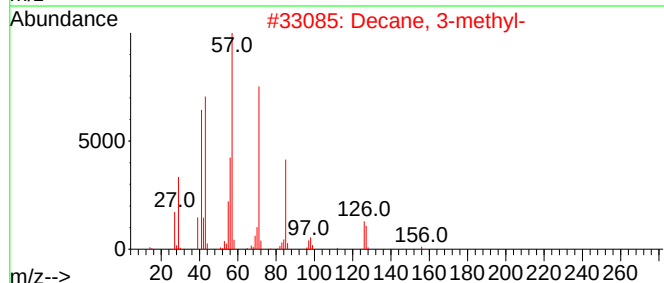
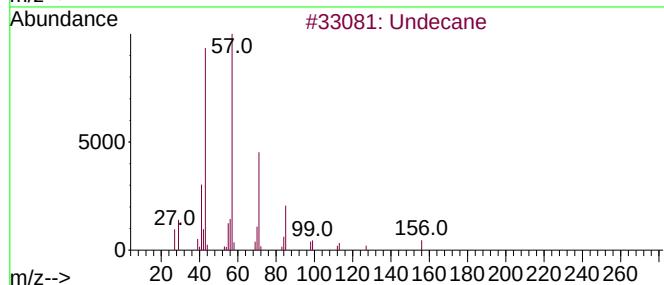
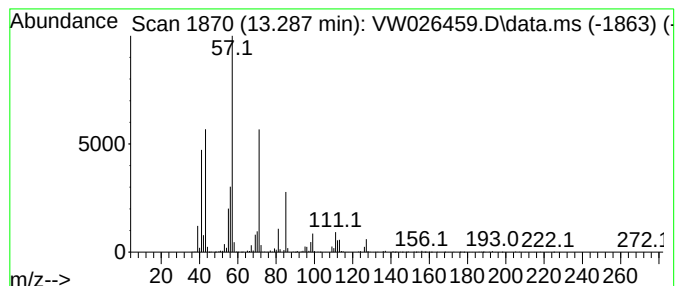
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MSVOA_W
ClientSampleId :
A46P8

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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.288	25.09 ug/L	689812	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	72
2	Decane, 3-methyl-		156	C11H24	013151-34-3	64
3	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	64
4	Dodecane		170	C12H26	000112-40-3	64
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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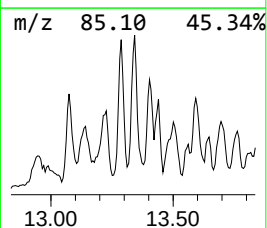
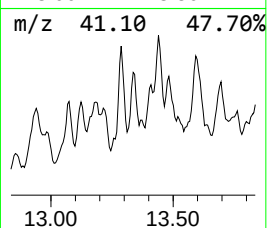
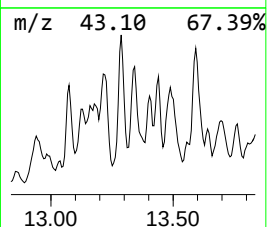
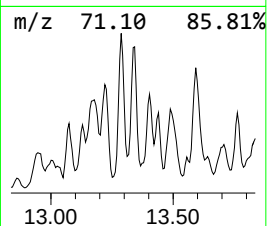
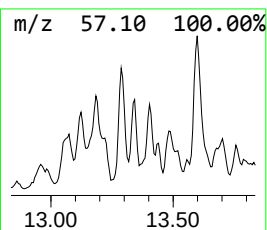
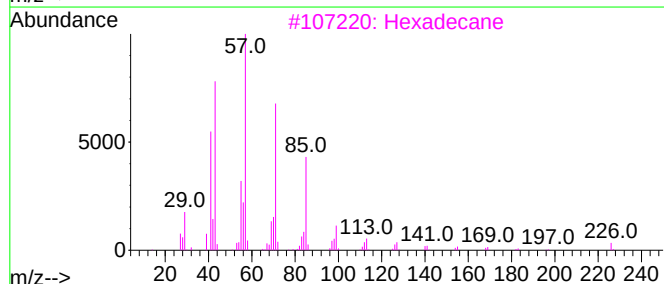
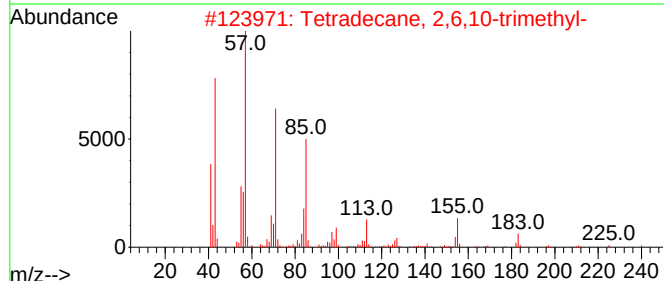
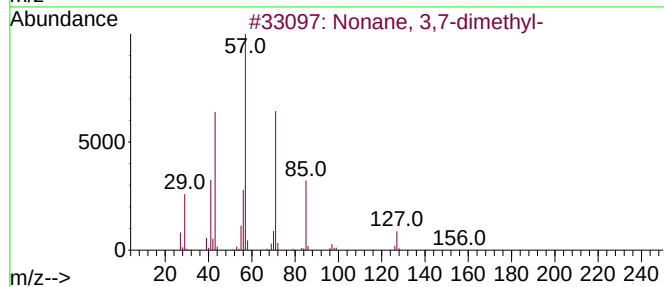
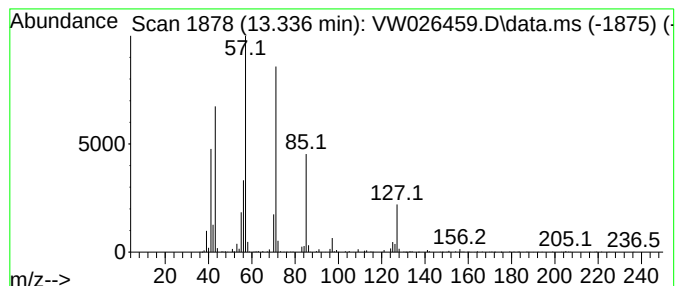
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.336	15.91 ug/L	437611	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	91
2		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	72
3		Hexadecane	226	C16H34	000544-76-3	72
4		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

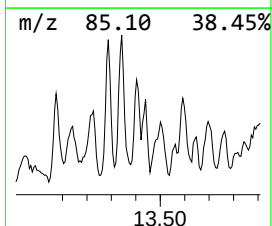
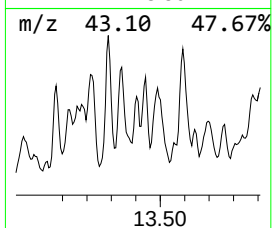
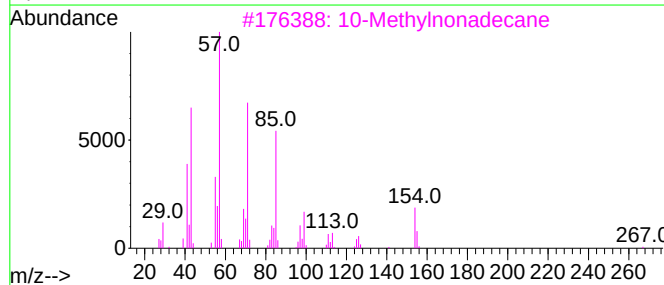
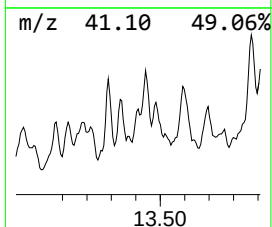
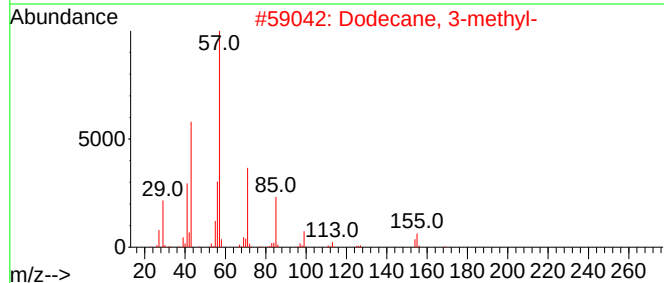
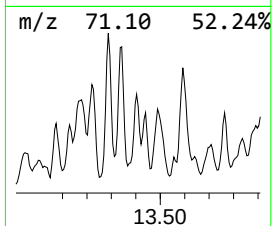
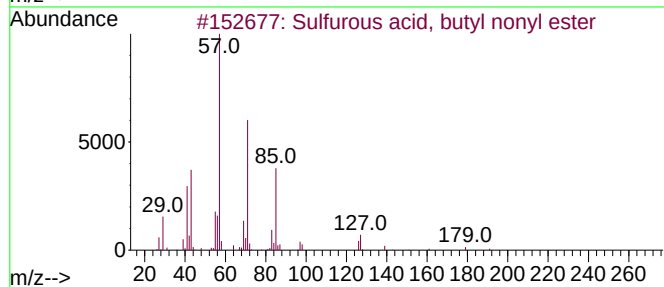
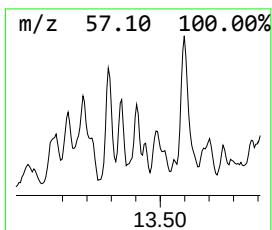
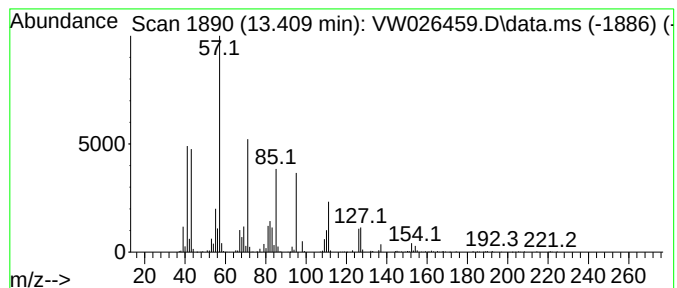
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Quant Title : SFAM01.0

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

Peak Number 16 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.409	16.15 ug/L	444084	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	47
2			Dodecane, 3-methyl-	184	C13H28	017312-57-1	43
3			10-Methylnonadecane	282	C20H42	056862-62-5	43
4			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	43
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

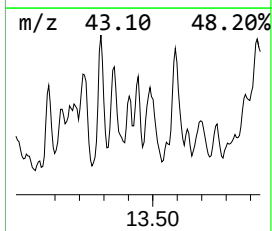
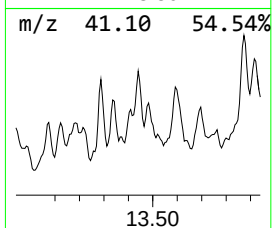
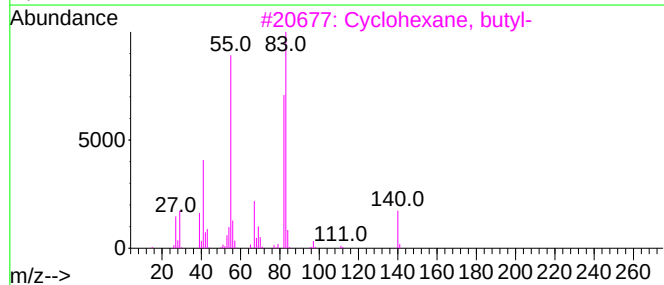
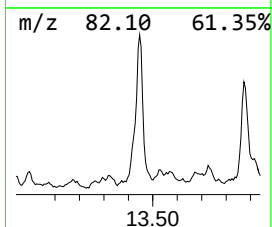
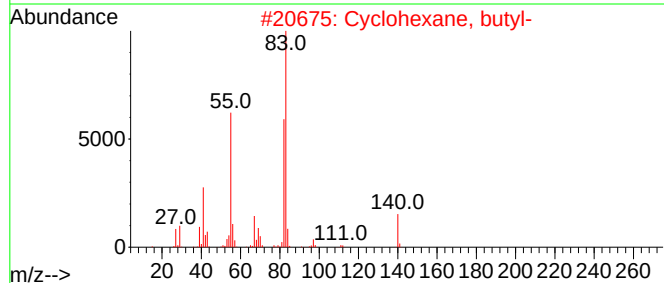
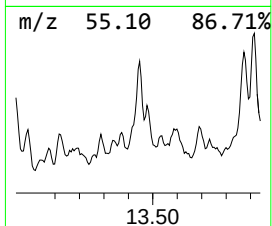
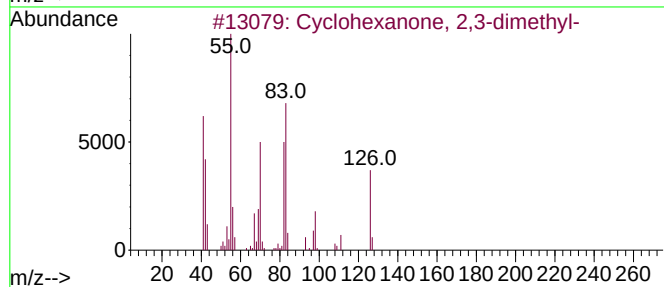
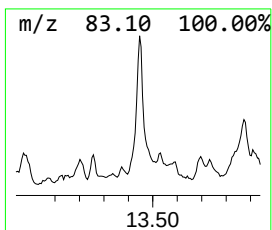
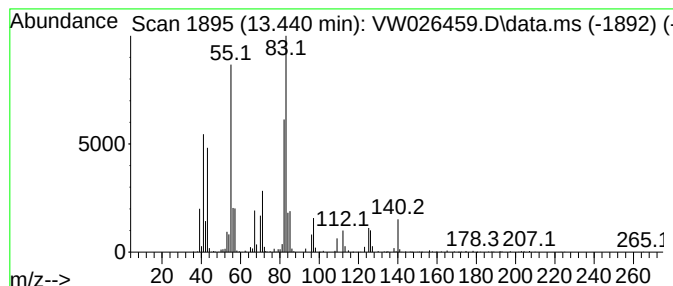
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Quant Title : SFAM01.0

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

Peak Number 17 Cyclohexanone, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	29.29 ug/L	805312	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	70
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	58
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	52
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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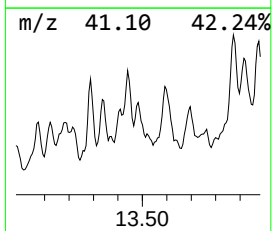
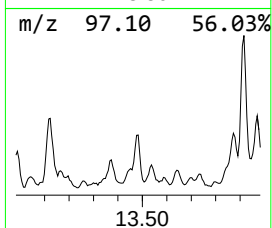
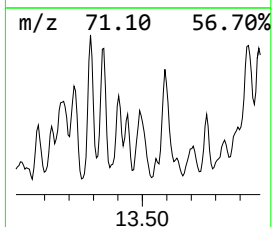
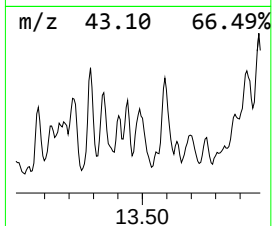
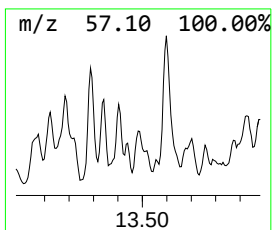
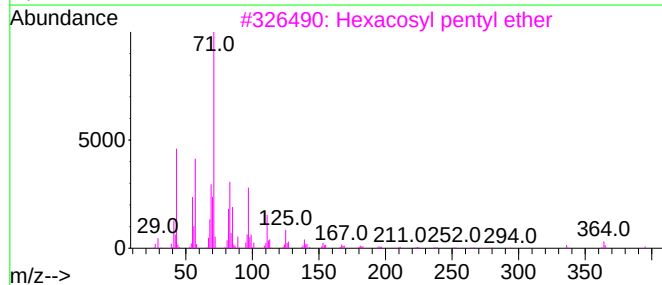
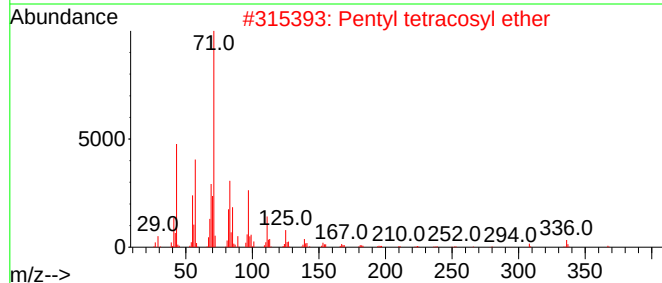
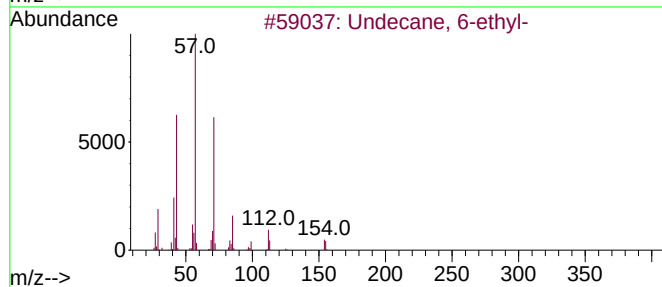
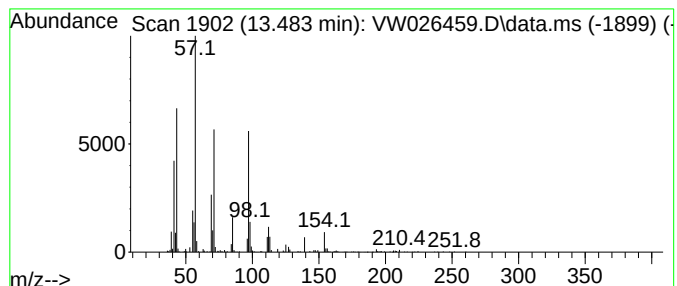
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	19.24 ug/L	529120	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 6-ethyl-	184	C13H28	017312-60-6	47
2			Pentyl tetracosyl ether	424	C29H60O	1000406-42-2	38
3			Hexacosyl pentyl ether	452	C31H64O	1000406-42-3	38
4			Octacosyl pentyl ether	481	C33H68O	1000406-42-4	38
5			Tridecane, 5-propyl-	226	C16H34	055045-11-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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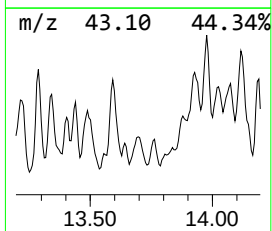
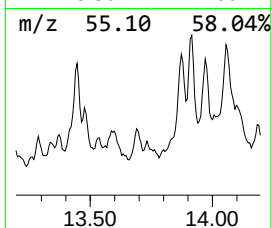
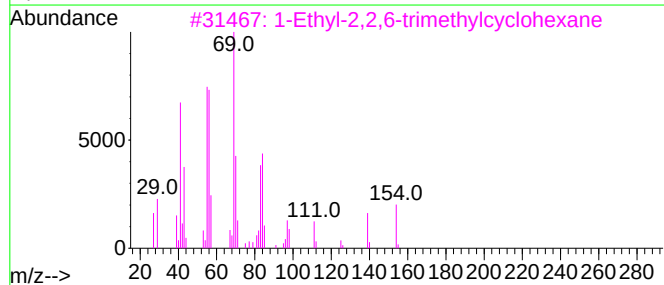
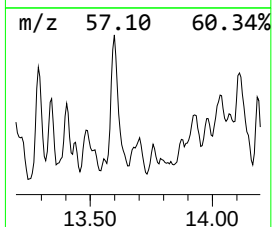
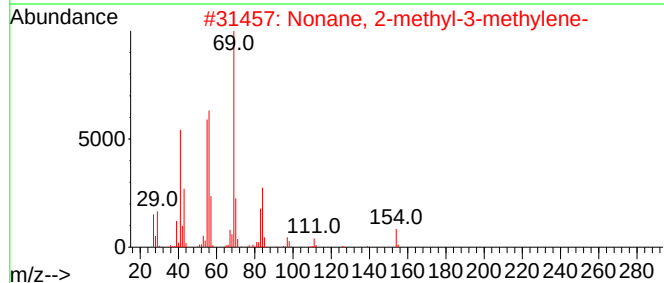
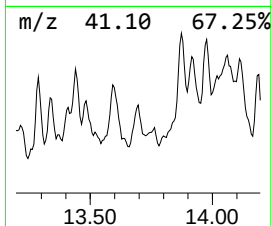
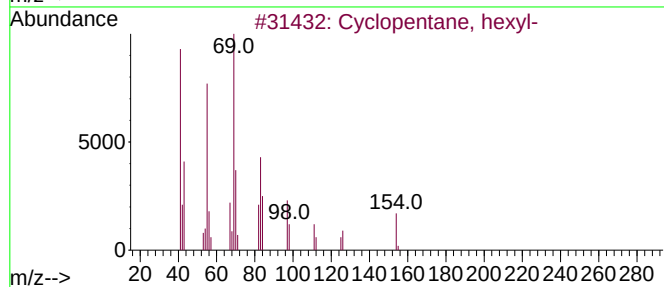
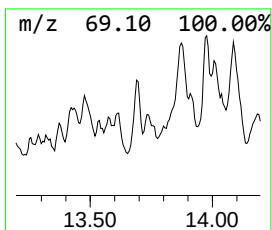
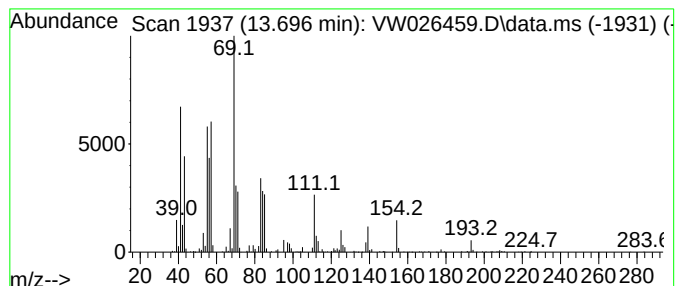
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic13.696 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.696	16.67 ug/L	458350	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, hexyl-	154	C11H22	004457-00-5	46
2			Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	45
3			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	45
4			4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	43
5			2-Methyl-2-octene	126	C9H18	016993-86-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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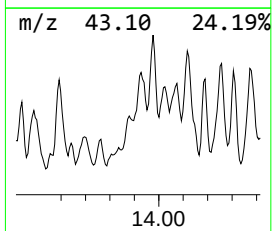
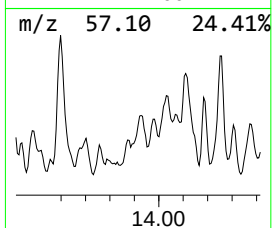
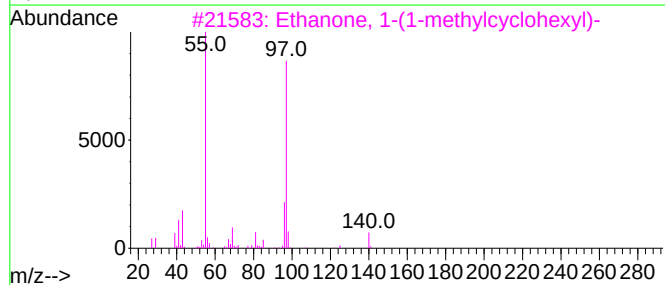
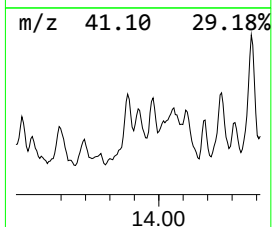
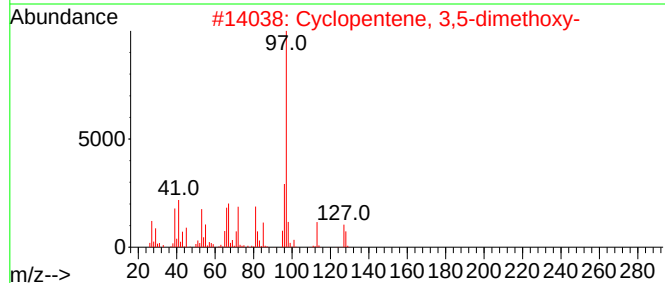
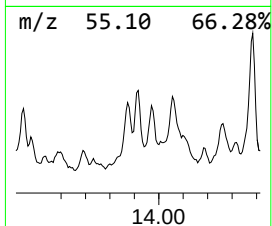
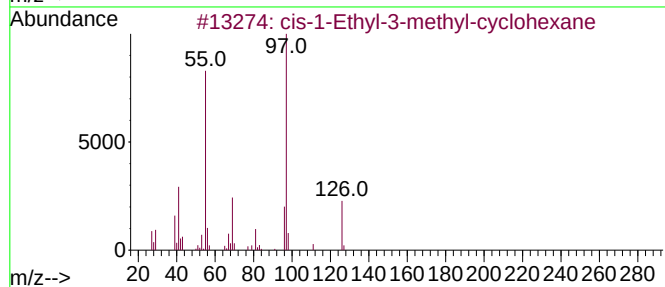
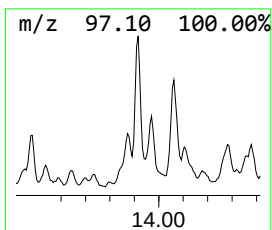
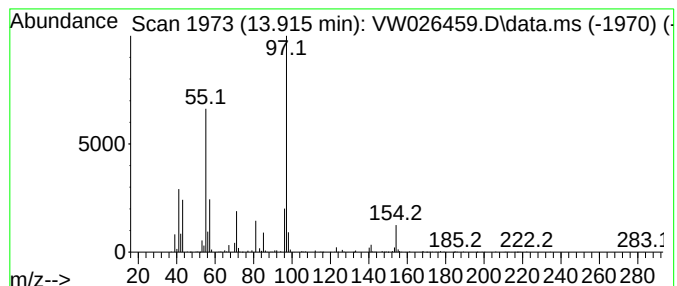
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic13.915 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.915	21.83 ug/L	600276	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64
2		Cyclopentene, 3,5-dimethoxy-	128	C7H12O2	089897-05-2	59
3		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	59
4		Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	53
5		Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

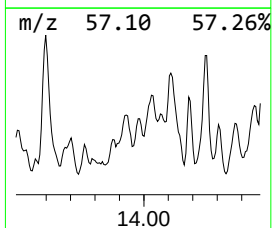
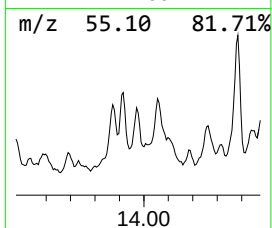
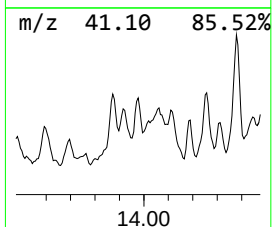
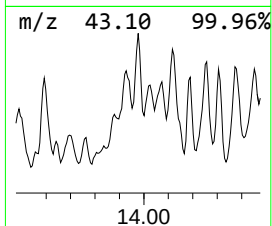
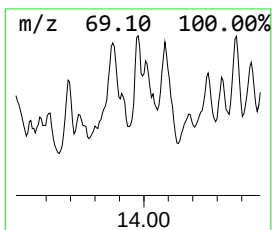
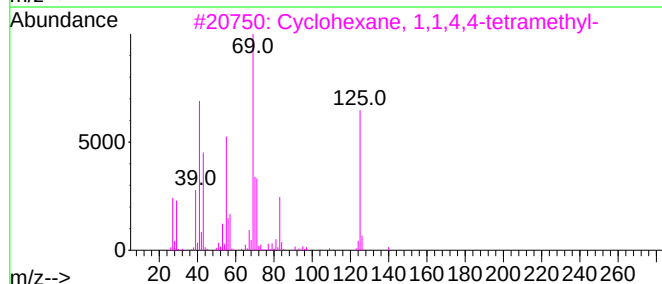
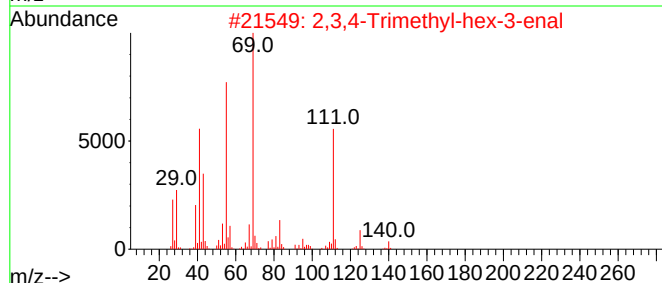
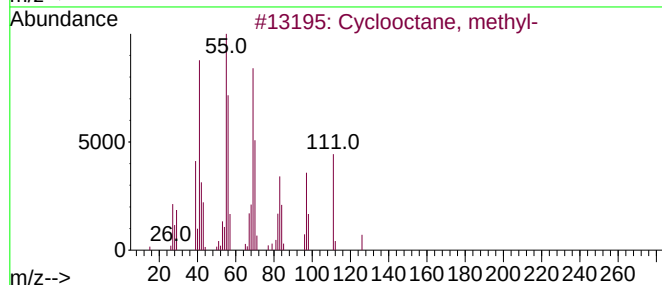
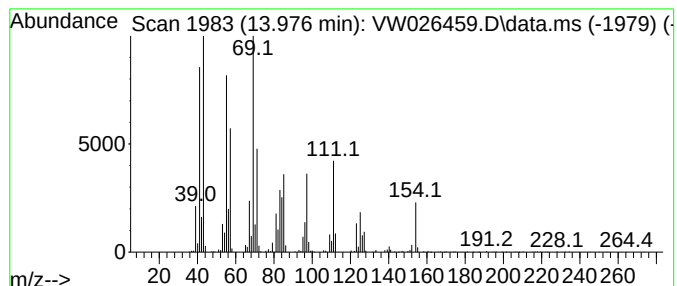
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic13.976 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.976	19.53 ug/L	536899	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	2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	38
3	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
4	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	38
5	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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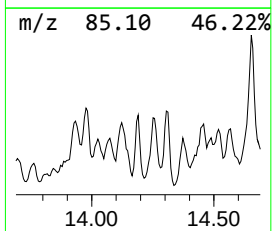
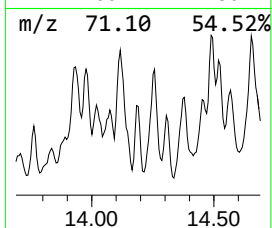
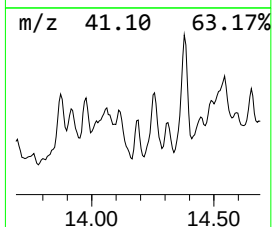
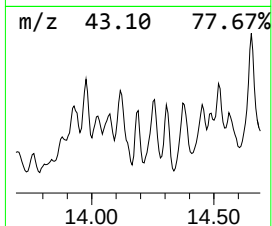
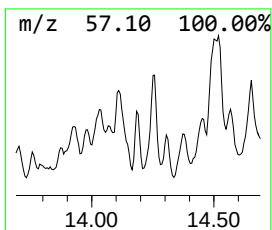
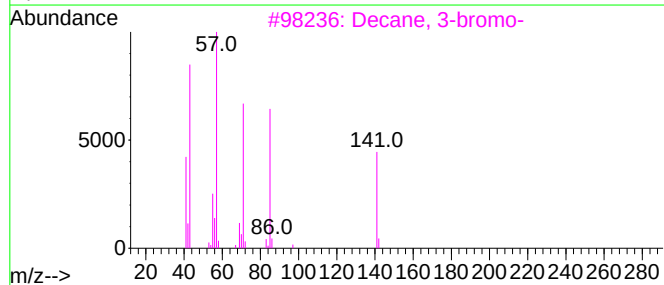
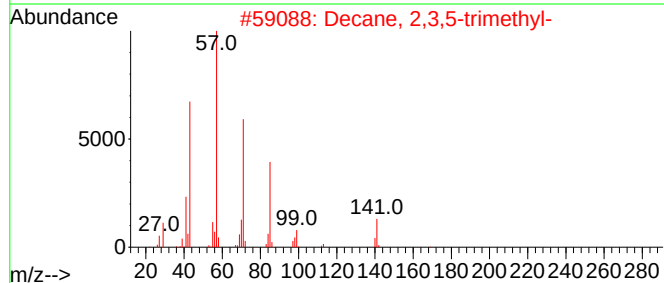
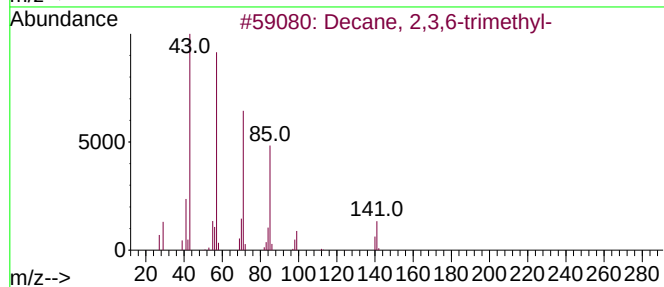
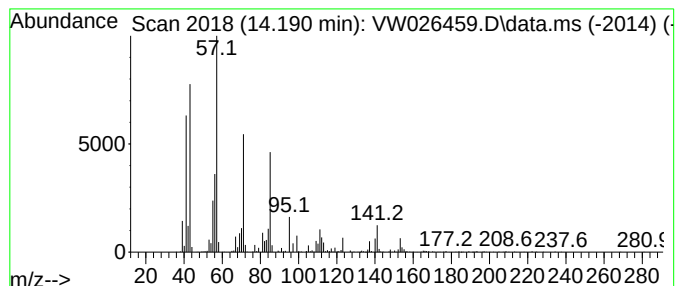
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.190	16.50 ug/L	453620	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	64
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
3		Decane, 3-bromo-	220	C10H21Br	030571-71-2	58
4		Tetradecane	198	C14H30	000629-59-4	58
5		Nonadecane	268	C19H40	000629-92-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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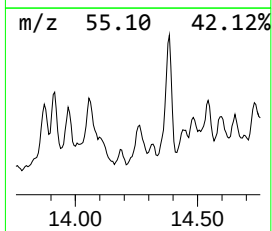
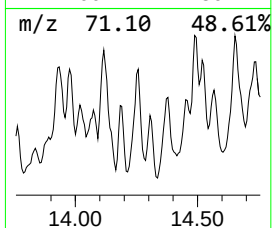
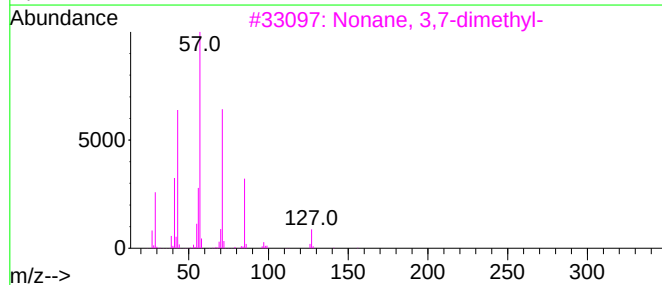
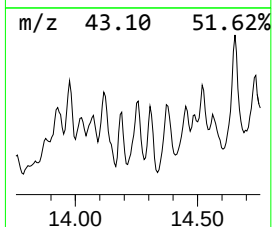
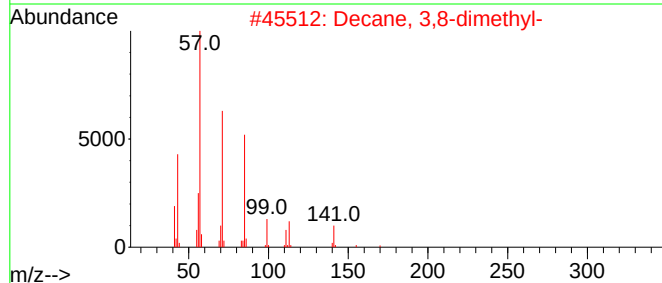
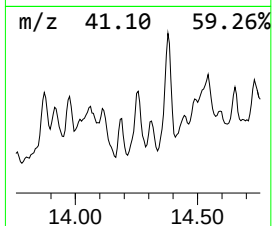
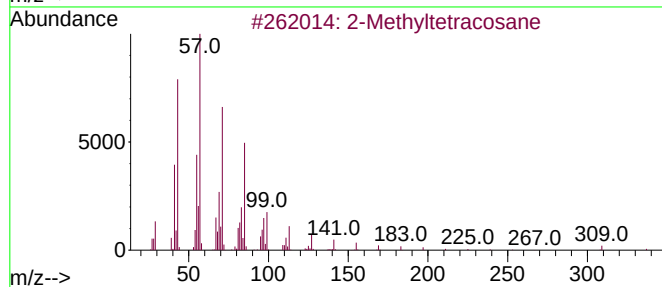
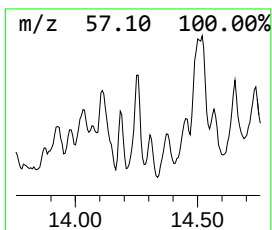
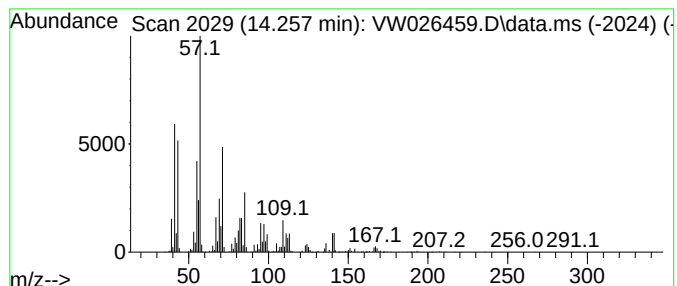
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	32.91 ug/L	904911	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Methyltetracosane	352	C25H52	001560-78-7	64
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	60
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
4		5-Ethyldecane	170	C12H26	017302-36-2	58
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

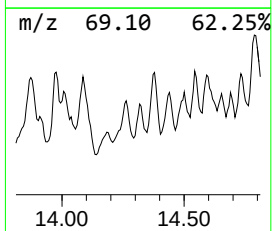
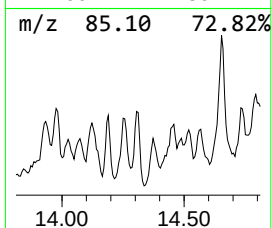
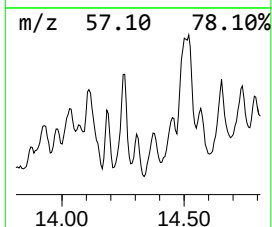
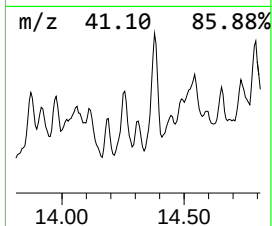
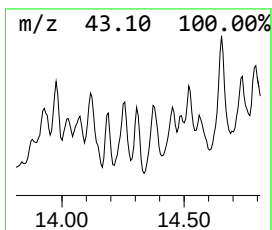
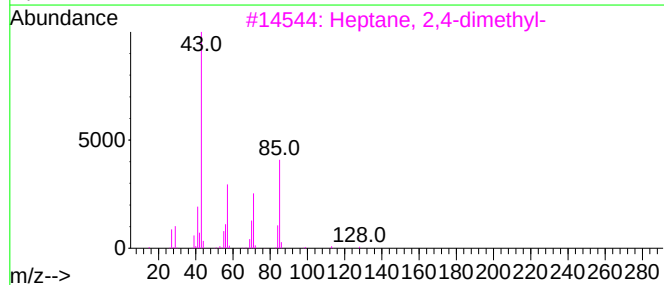
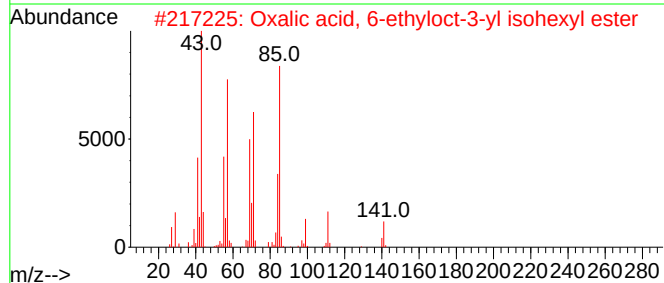
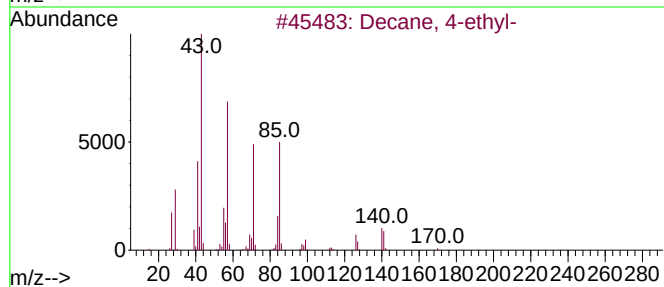
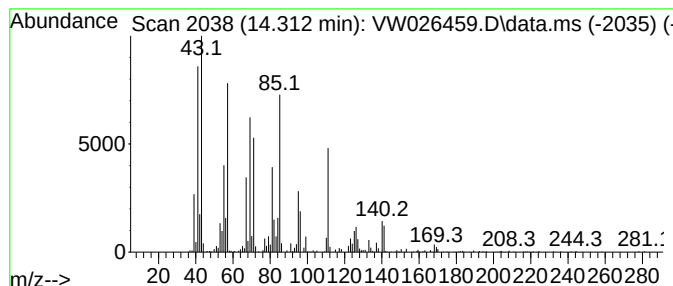
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	12.32 ug/L	338757	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			Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	38
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	35
4			Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	35
5			Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

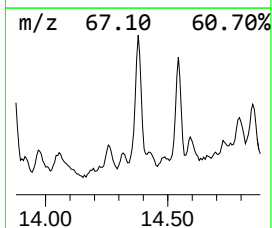
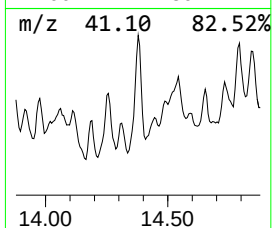
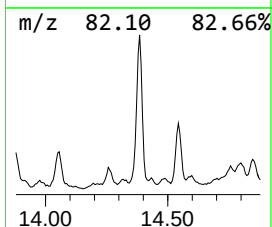
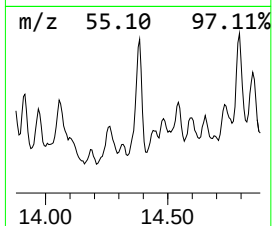
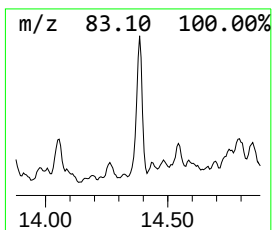
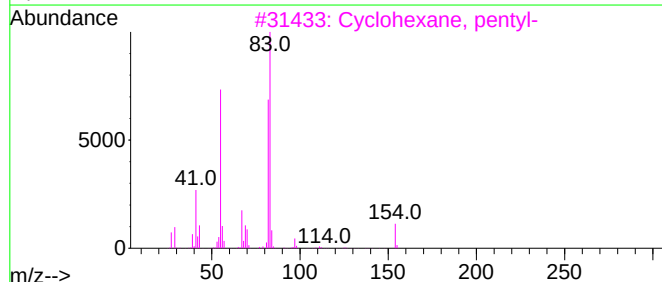
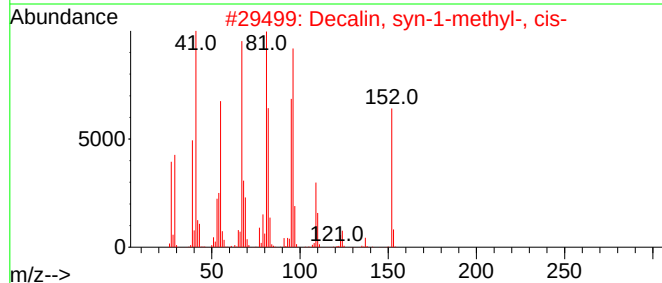
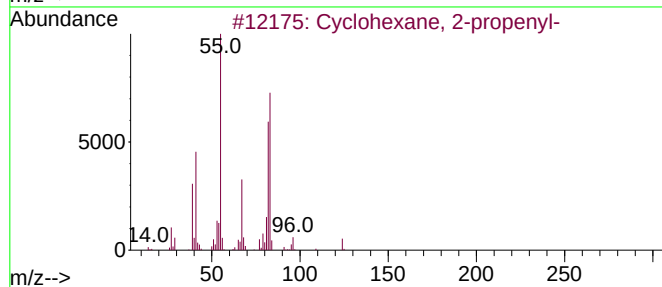
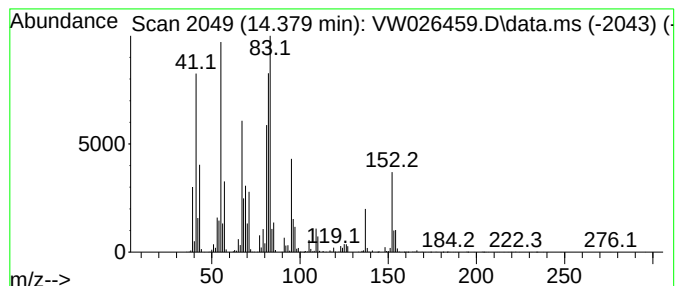
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Quant Title : SFAM01.0

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

Peak Number 25 Cyclohexane, 2-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	74.15 ug/L	2038970	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	51
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

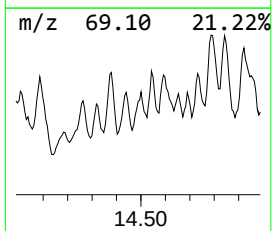
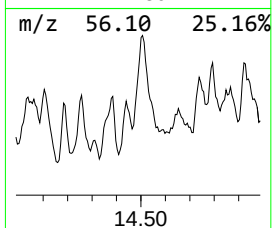
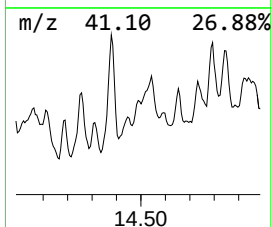
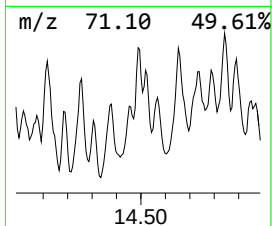
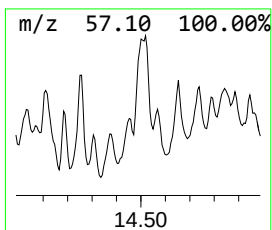
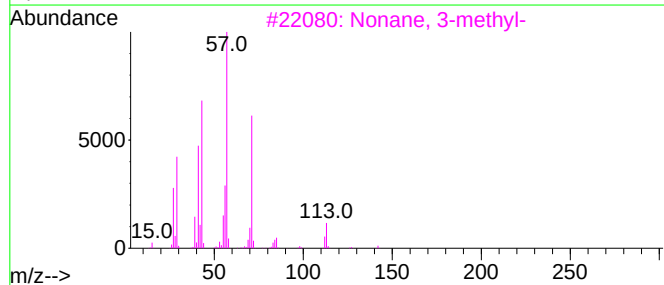
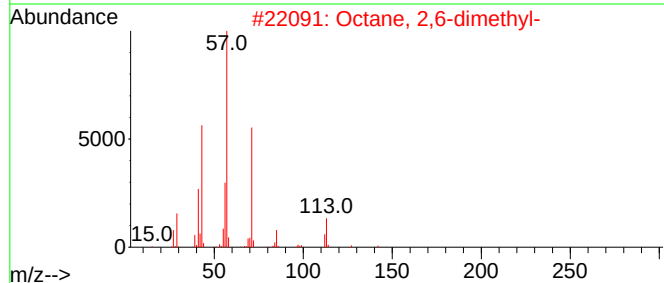
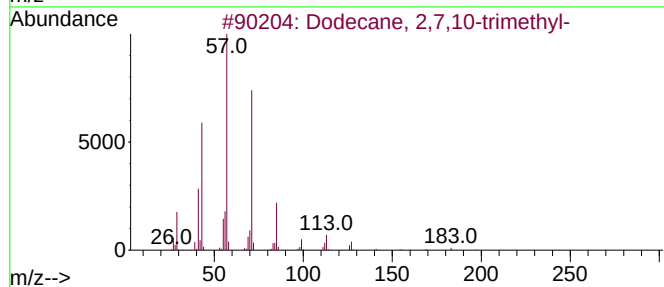
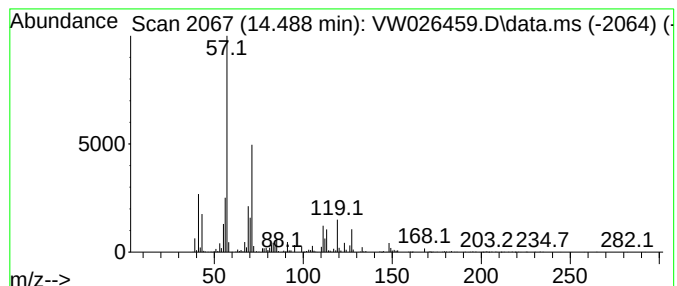
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.489	16.83 ug/L	462709	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	53
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

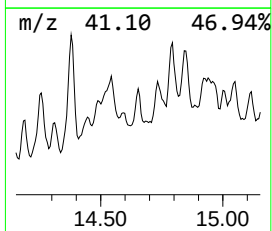
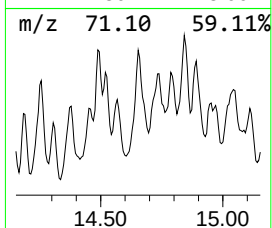
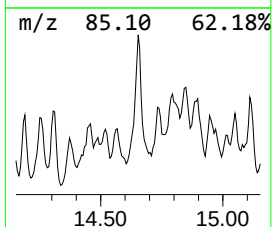
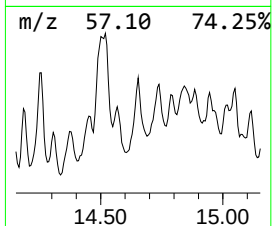
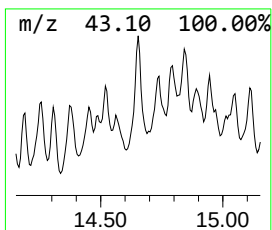
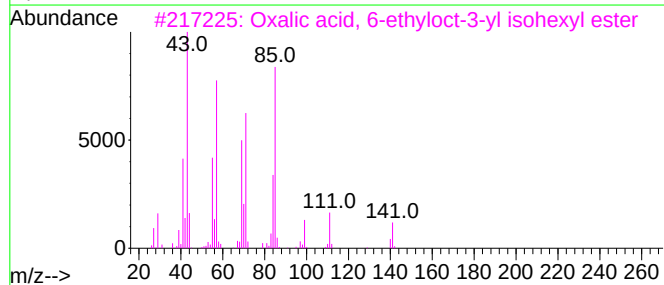
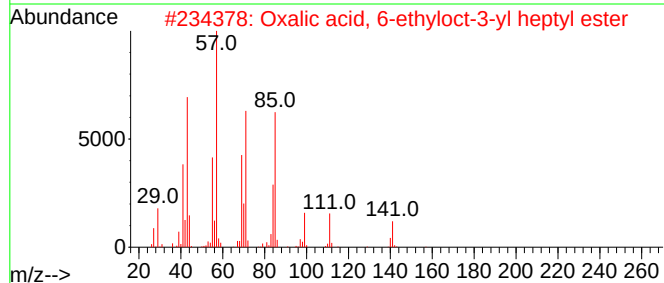
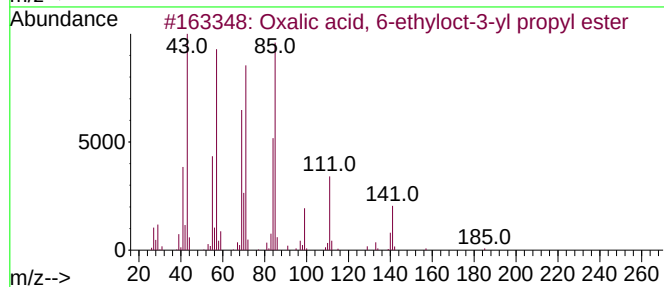
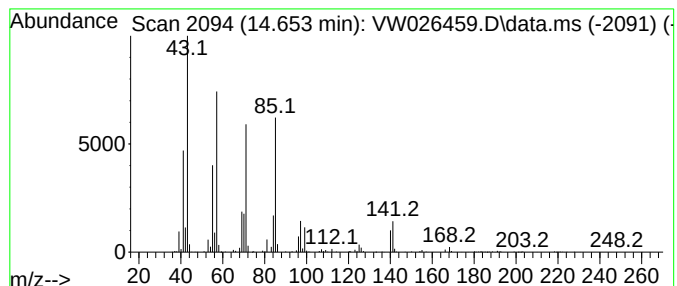
Instrument :
MSVOA_W
ClientSampleId :
A46P8

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 27 Oxalic acid, 6-ethyloct-3-y... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.653	12.72 ug/L	349657	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Oxalic acid, 6-ethyloct-3-yl pro...		272	C15H28O4	1000309-34-0	64
2	Oxalic acid, 6-ethyloct-3-yl hep...		328	C19H36O4	1000309-34-5	59
3	Oxalic acid, 6-ethyloct-3-yl iso...		314	C18H34O4	1000309-34-3	59
4	Decane, 2,3,8-trimethyl-		184	C13H28	062238-14-6	58
5	Decane, 1-iodo-		268	C10H21I	002050-77-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

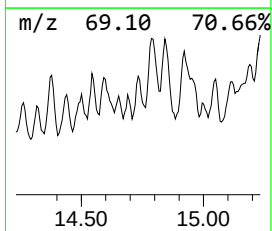
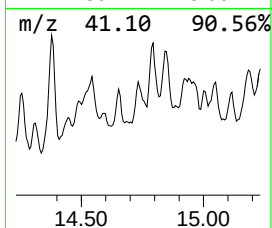
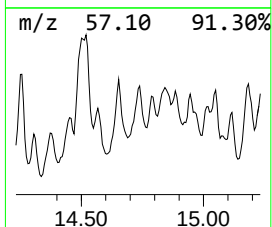
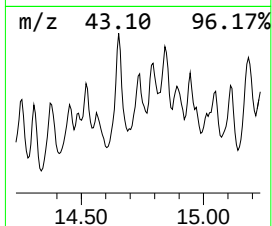
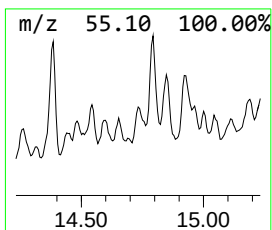
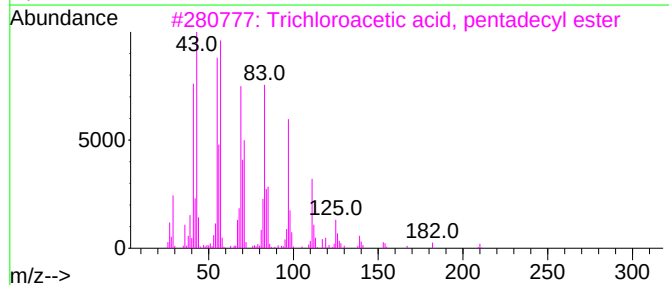
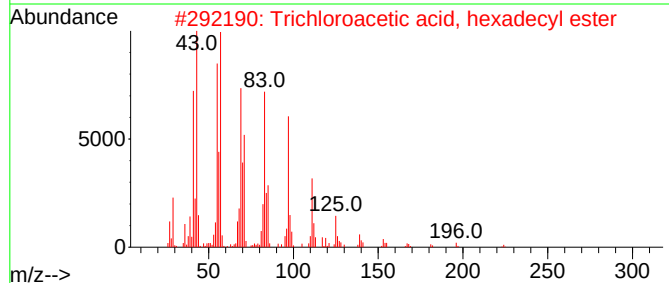
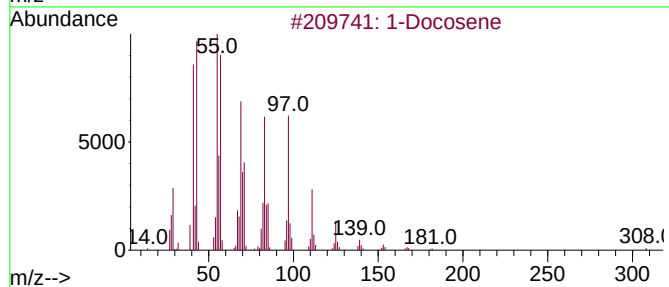
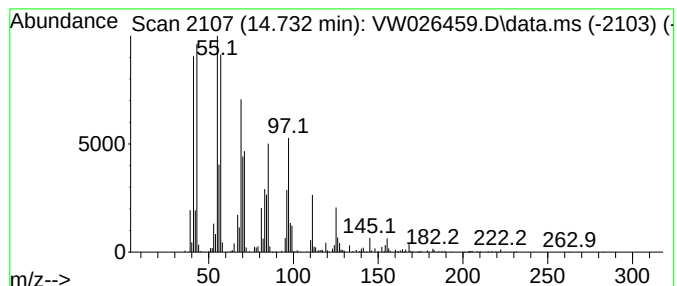
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.732	27.11 ug/L	745437	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Docosene		308	C22H44	001599-67-3	74
2	Trichloroacetic acid, hexadecyl ...		386	C18H33Cl3O2	074339-54-1	74
3	Trichloroacetic acid, pentadecyl...		372	C17H31Cl3O2	074339-53-0	74
4	11-Tricosene		322	C23H46	052078-56-5	68
5	5-Eicosene, (E)-		280	C20H40	074685-30-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

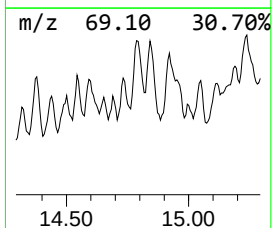
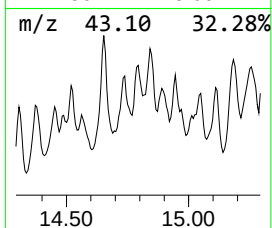
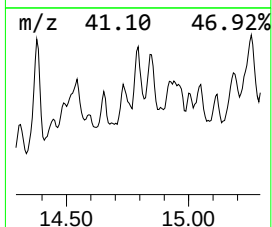
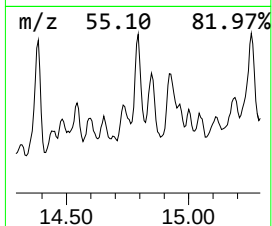
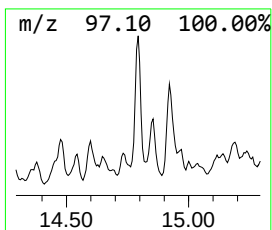
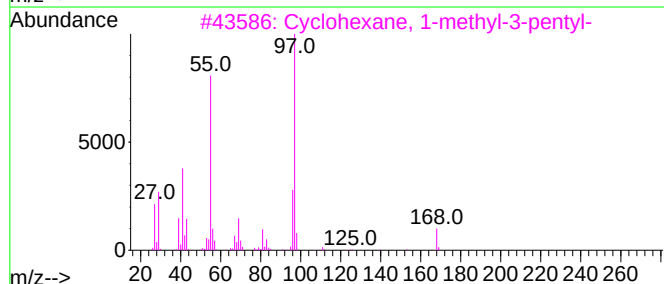
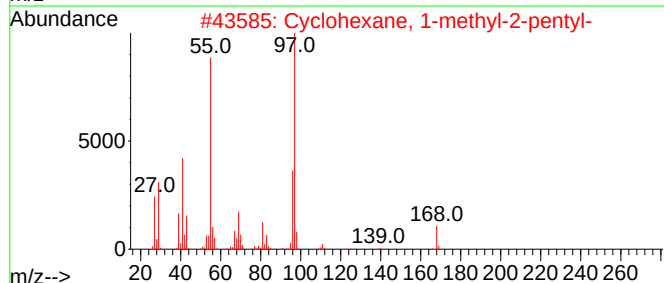
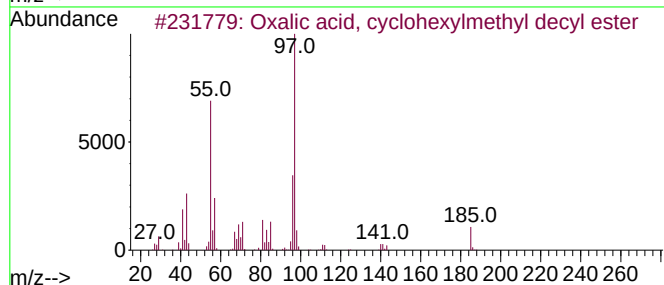
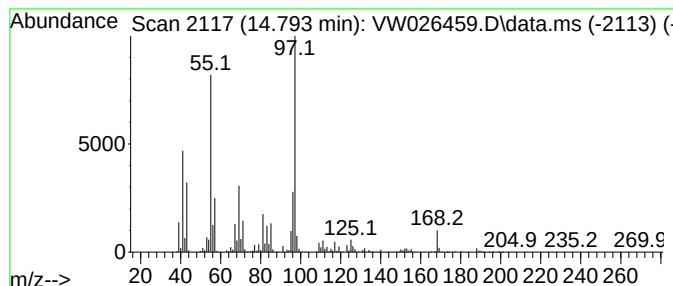
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Quant Title : SFAM01.0

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

Peak Number 29 Oxalic acid, cyclohexylmeth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	46.76 ug/L	1285740	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	72
2			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	72
3			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	72
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	70
5			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

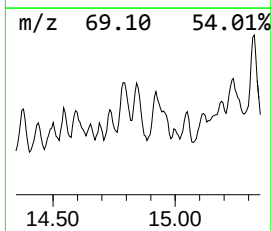
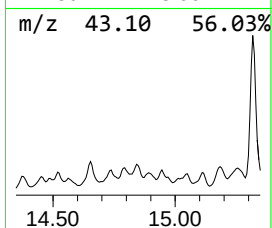
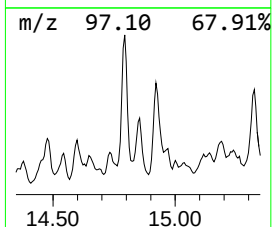
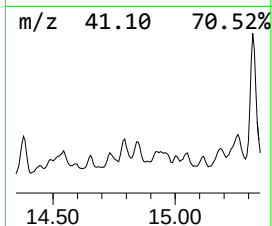
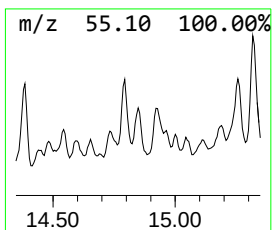
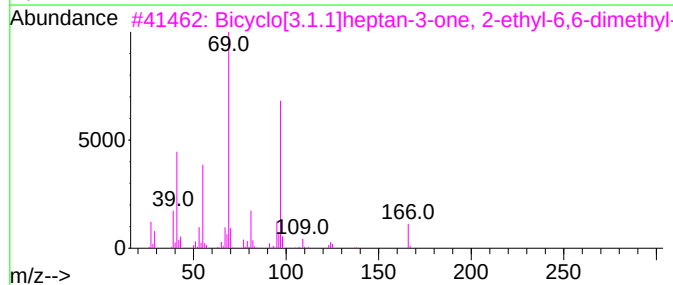
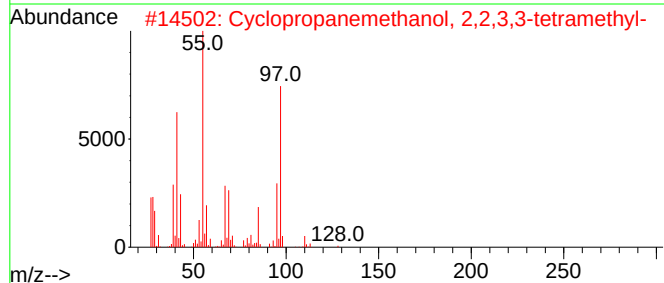
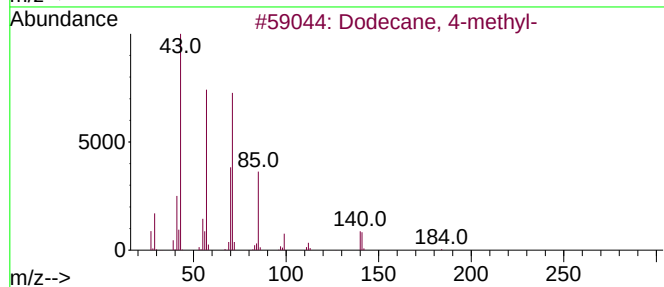
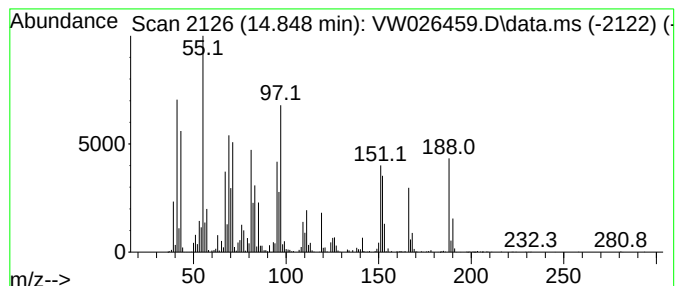
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.848	56.19 ug/L	1545180	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4-methyl-	184	C13H28	006117-97-1	25
2			Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	18
3			Bicyclo[3.1.1]heptan-3-one, 2-et...	166	C11H18O	1000163-95-8	15
4			Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	14
5			3-Acetyl-2,6-dimethyl-2,5-heptad...	166	C11H18O	1000432-11-5	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

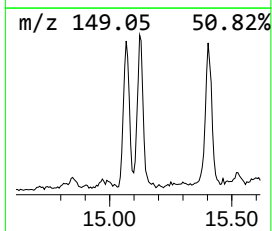
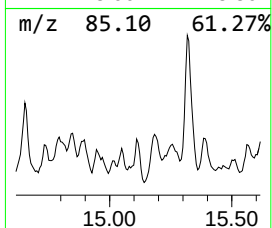
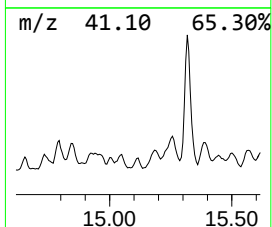
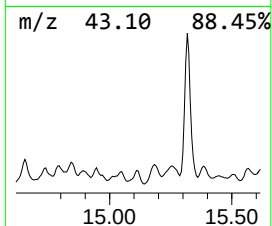
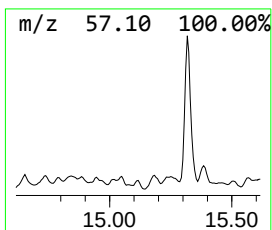
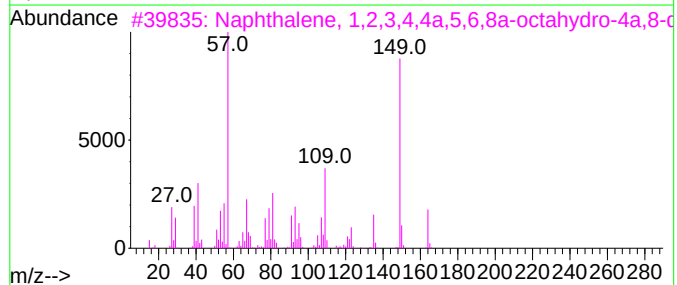
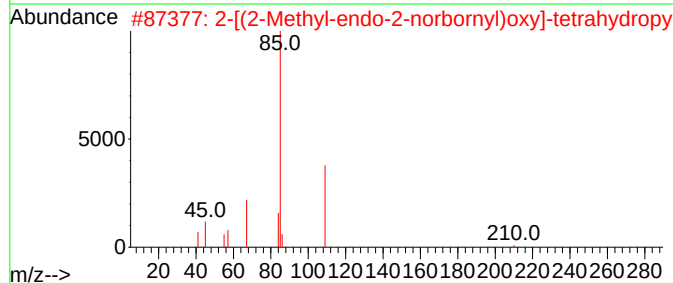
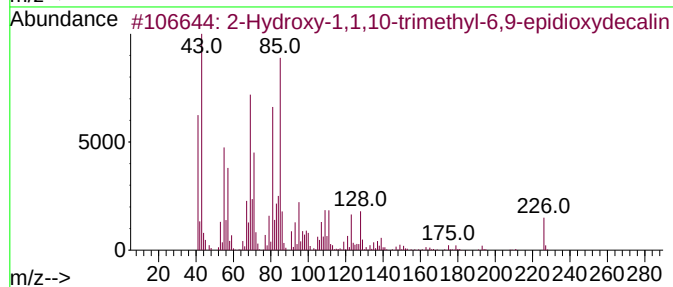
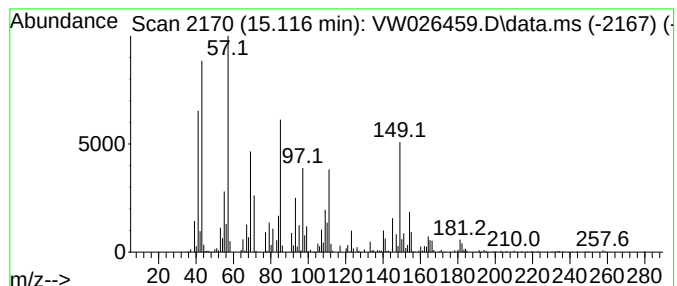
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Quant Title : SFAM01.0

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

Peak Number 31 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	11.09 ug/L	305004	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-1,1,10-trimethyl-6,9-e...	226	C13H22O3	108511-85-9	14		
2	2-[(2-Methyl-endo-2-norbornyl)ox...	210	C13H22O2	1000144-72-1	11		
3	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	164	C12H20	055976-09-5	11		
4	.alpha.-D-erythro-Hex-2-enopyran...	248	C14H16O4	003169-98-0	10		
5	2-Heptanone, 3-propylidene-	154	C10H18O	032064-70-3	10		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

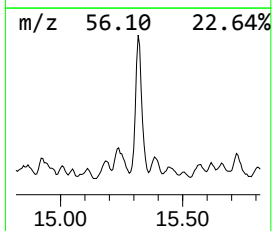
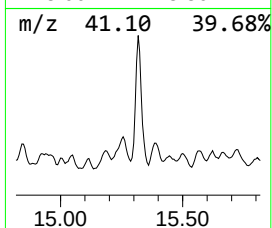
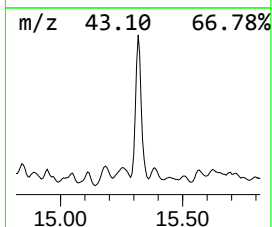
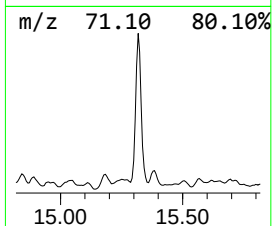
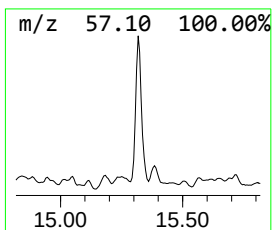
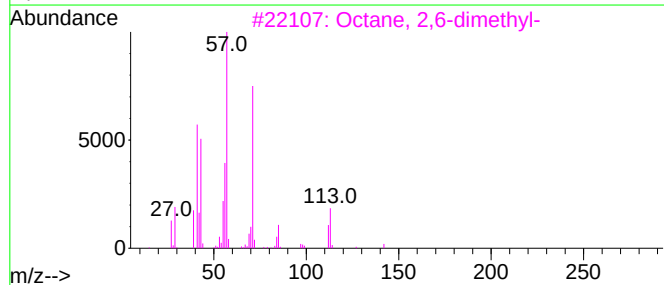
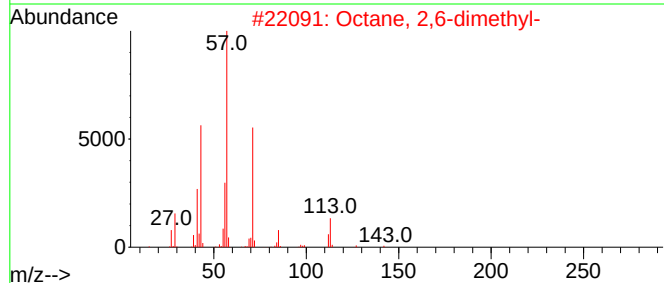
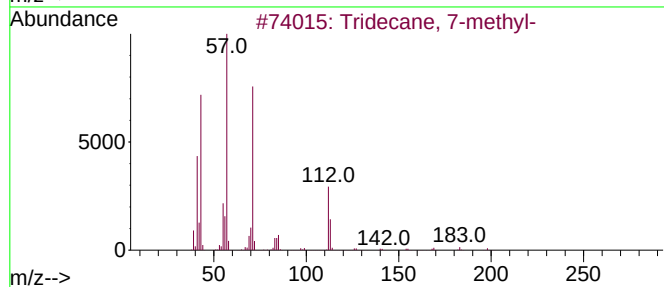
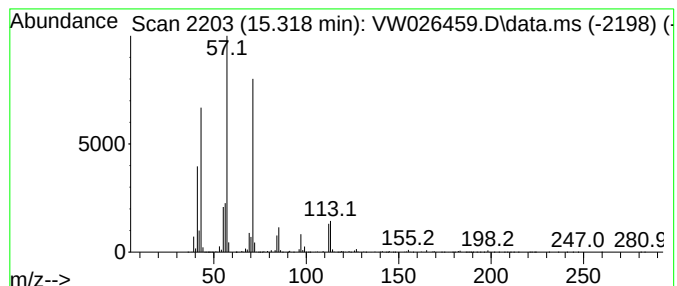
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	191.30 ug/L	5260360	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		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

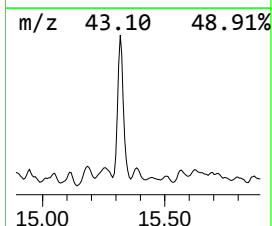
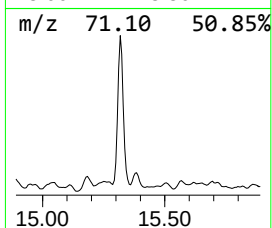
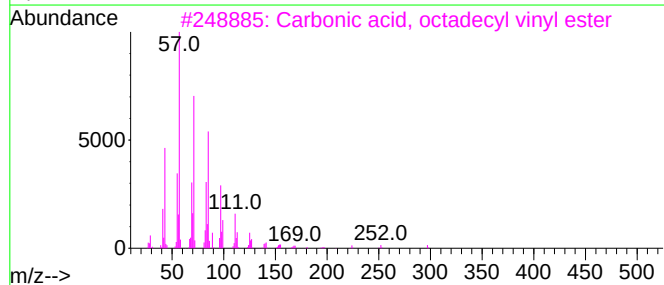
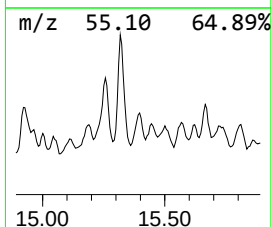
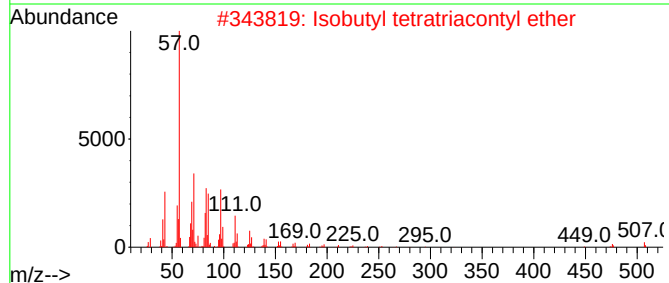
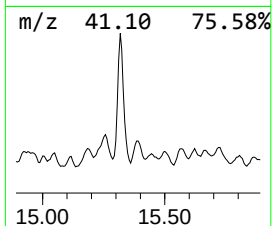
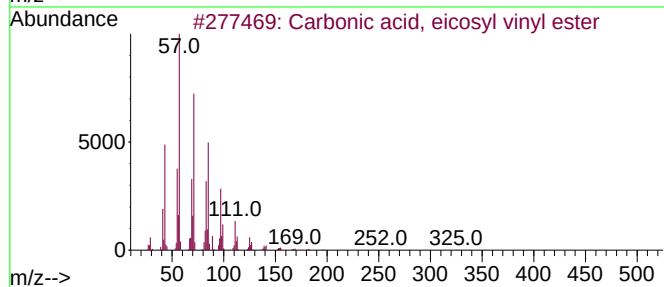
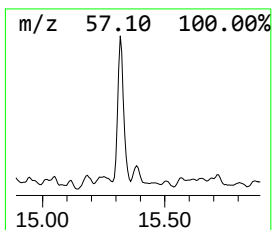
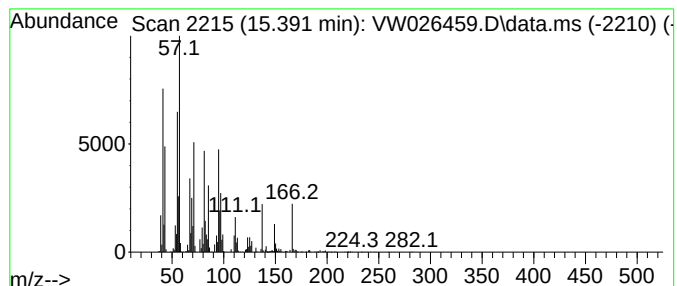
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Quant Title : SFAM01.0

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

Peak Number 33 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	45.20 ug/L	1242920	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	30
2			Isobutyl tetratriacontyl ether	551	C38H78O	1000406-33-7	25
3			Carbonic acid, octadecyl vinyl e...	340	C21H40O3	1000382-54-4	25
4			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	25
5			Nonadecane	268	C19H40	000629-92-5	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

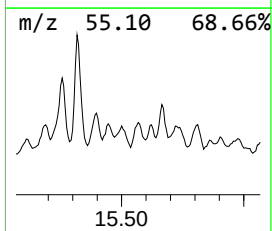
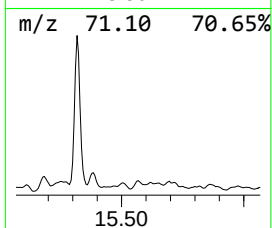
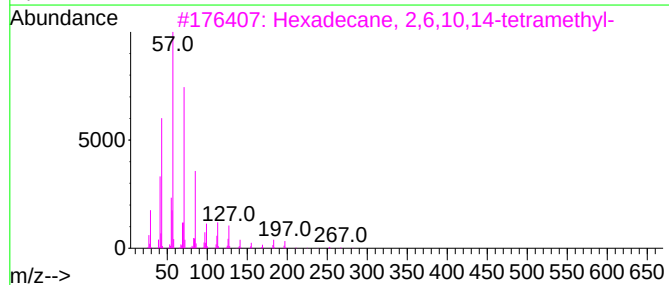
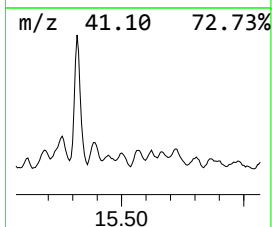
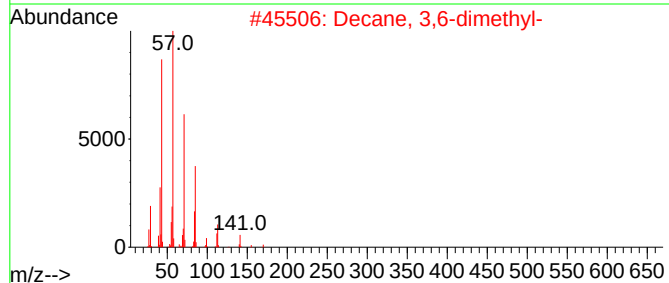
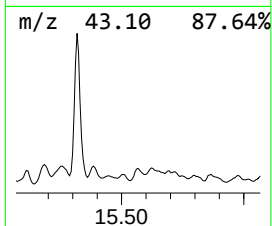
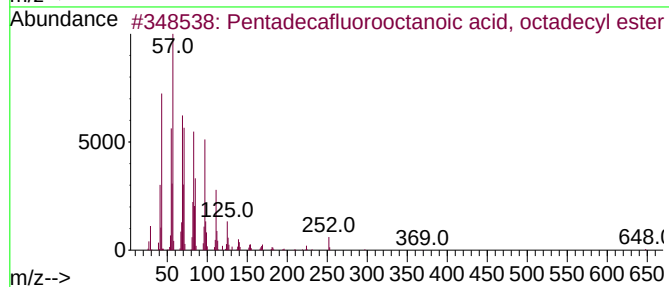
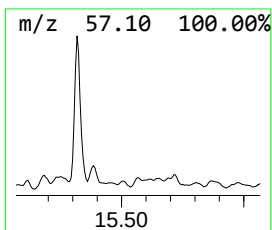
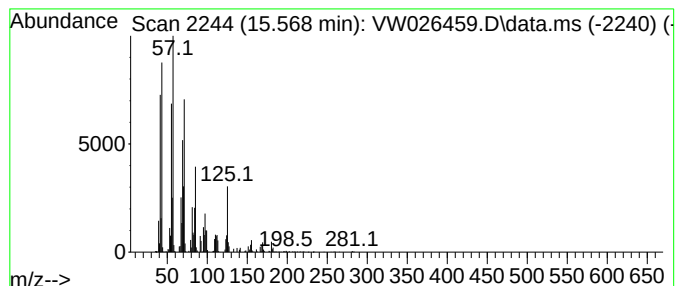
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Quant Title : SFAM01.0

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

Peak Number 34 Pentadecafluorooctanoic aci... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	24.49 ug/L	673338	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	52
2			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	49
3			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49
4			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	49
5			Tridecane	184	C13H28	000629-50-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

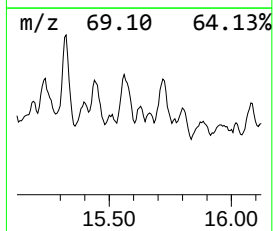
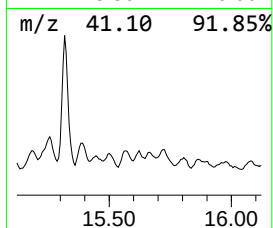
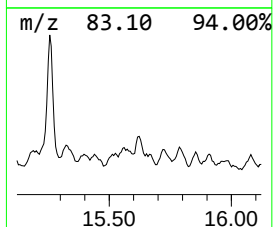
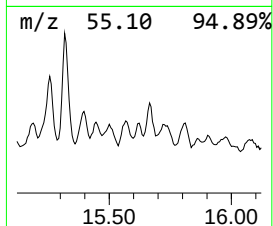
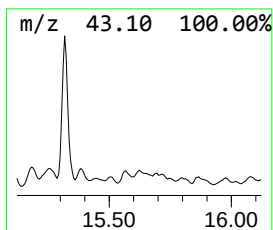
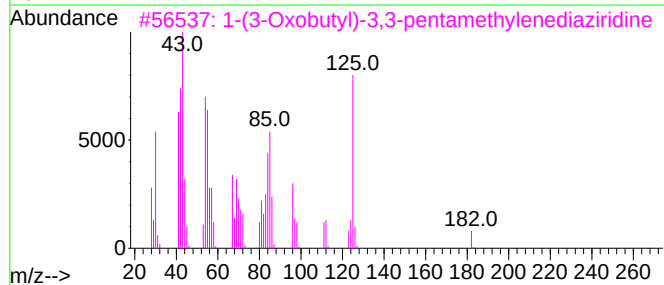
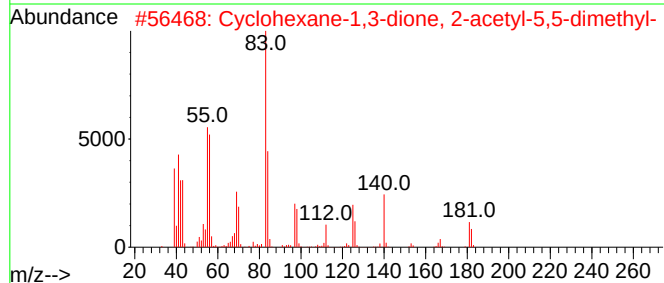
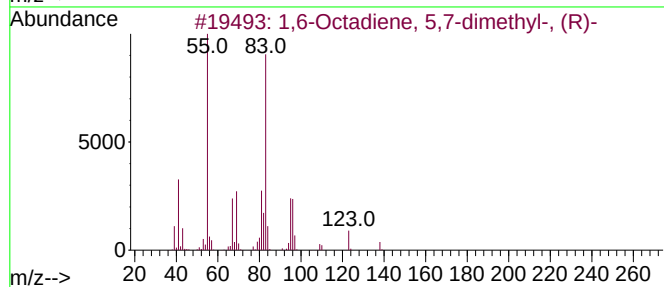
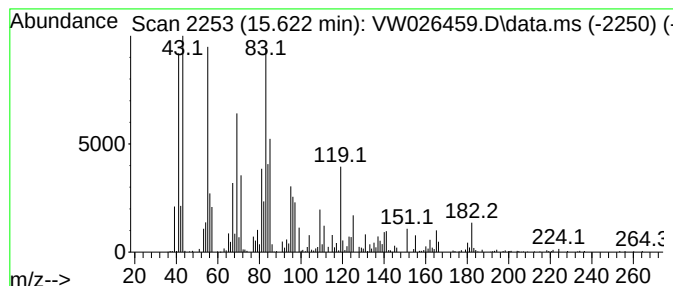
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Quant Title : SFAM01.0

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

Peak Number 35 unknown-04 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.622	12.35 ug/L	339569	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	46
2			Cyclohexane-1,3-dione, 2-acetyl-...	182	C10H14O3	1000302-88-9	43
3			1-(3-Oxobutyl)-3,3-pentamethylen...	182	C10H18N2O	1000283-20-2	35
4			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	35
5			2,6-Dodecadien-1-ol, 3,7,11-trim...	224	C15H28O	020576-56-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

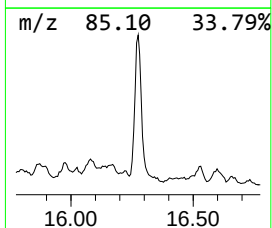
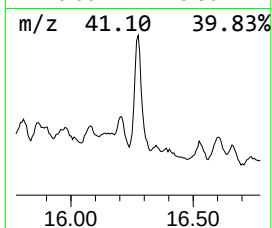
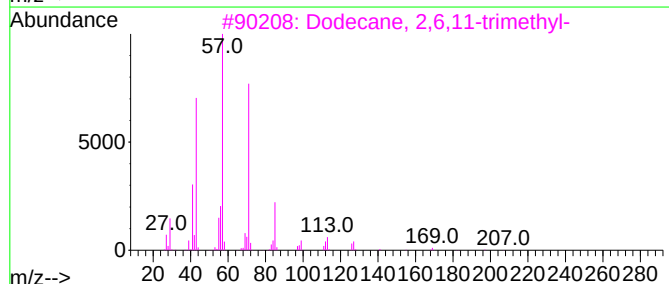
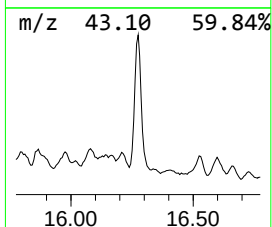
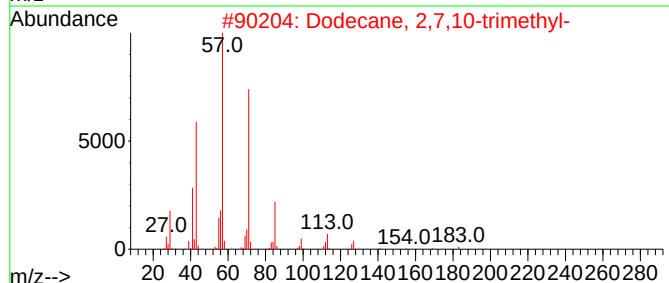
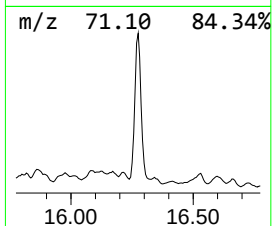
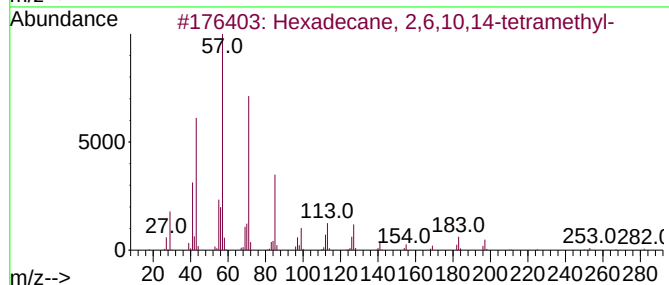
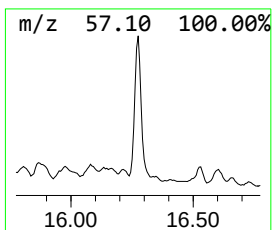
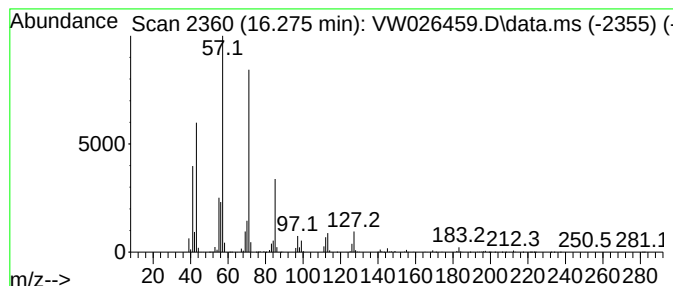
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	103.32 ug/L	2840960	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	90
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
4		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026459.D
Acq On : 30 Jun 2023 02:03
Operator : SY/MD
Sample : 03452-16
Misc : 4.81g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P8

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: C...	11.873	2.1	ug/L	105165	2	11.629	1267870	25.0
(DEL) Alkane: S...	12.062	1.5	ug/L	74324	2	11.629	1267870	25.0
(DEL) Alkane: S...	12.135	4.6	ug/L	233613	2	11.629	1267870	25.0
(DEL) Alkane: S...	12.251	6.0	ug/L	305029	2	11.629	1267870	25.0
(DEL) Alkane: S...	12.361	14.5	ug/L	734775	2	11.629	1267870	25.0
(DEL) Alkane: S...	12.501	5.3	ug/L	266786	2	11.629	1267870	25.0
(DEL) Alkane: S...	12.592	3.7	ug/L	102661	3	13.556	687437	25.0
(DEL) Alkane: C...	12.775	10.3	ug/L	282277	3	13.556	687437	25.0
(DEL) Alkane: C...	12.855	11.9	ug/L	325966	3	13.556	687437	25.0
(DEL) Alkane: C...	12.940	38.4	ug/L	1056020	3	13.556	687437	25.0
(DEL) Alkane: S...	13.074	9.7	ug/L	266444	3	13.556	687437	25.0
5-Octen-4-one, ...	13.123	10.3	ug/L	281945	3	13.556	687437	25.0
(DEL) Alkane: S...	13.288	25.1	ug/L	689812	3	13.556	687437	25.0
(DEL) Alkane: S...	13.336	15.9	ug/L	437611	3	13.556	687437	25.0
unknown-01	13.409	16.1	ug/L	444084	3	13.556	687437	25.0
Cyclohexanone, ...	13.440	29.3	ug/L	805312	3	13.556	687437	25.0
(DEL) Alkane: S...	13.483	19.2	ug/L	529120	3	13.556	687437	25.0
(DEL) Alkane: C...	13.696	16.7	ug/L	458350	3	13.556	687437	25.0
(DEL) Alkane: C...	13.915	21.8	ug/L	600276	3	13.556	687437	25.0
(DEL) Alkane: C...	13.976	19.5	ug/L	536899	3	13.556	687437	25.0
(DEL) Alkane: S...	14.190	16.5	ug/L	453620	3	13.556	687437	25.0
(DEL) Alkane: S...	14.257	32.9	ug/L	904911	3	13.556	687437	25.0
(DEL) Alkane: S...	14.312	12.3	ug/L	338757	3	13.556	687437	25.0
Cyclohexane, 2-...	14.379	74.2	ug/L	2038970	3	13.556	687437	25.0
(DEL) Alkane: S...	14.489	16.8	ug/L	462709	3	13.556	687437	25.0
Oxalic acid, 6-...	14.653	12.7	ug/L	349657	3	13.556	687437	25.0
(DEL) Alkane: S...	14.732	27.1	ug/L	745437	3	13.556	687437	25.0
Oxalic acid, cy...	14.793	46.8	ug/L	1285740	3	13.556	687437	25.0
(DEL) Alkane: S...	14.848	56.2	ug/L	1545180	3	13.556	687437	25.0
unknown-02	15.116	11.1	ug/L	305004	3	13.556	687437	25.0
(DEL) Alkane: S...	15.318	191.3	ug/L	5260360	3	13.556	687437	25.0
unknown-03	15.391	45.2	ug/L	1242920	3	13.556	687437	25.0
Pentadecafluoro...	15.568	24.5	ug/L	673338	3	13.556	687437	25.0
unknown-04	15.622	12.4	ug/L	339569	3	13.556	687437	25.0
(DEL) Alkane: S...	16.275	103.3	ug/L	2840960	3	13.556	687437	25.0