

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
 Data File : VW026531.D
 Acq On : 05 Jul 2023 14:31
 Operator : SY/MD
 Sample : 03501-11
 Misc : 2.96g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46X6

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\SFAMWLM070323SMA.M
 Title : SFAM01.0

Signal : TIC: VW026531.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	rBV	16066	26421	0.24%	0.028%
2	2.235	55	57	60	rBV4	3224	3772	0.03%	0.004%
3	2.363	69	78	91	rBV	98884	311472	2.89%	0.329%
4	2.625	119	121	123	rBV2	5349	5566	0.05%	0.006%
5	2.893	158	165	183	rVB	104190	322923	2.99%	0.341%
6	3.210	216	217	219	rBV2	2075	1351	0.01%	0.001%
7	3.393	241	247	255	rVV6	7072	19458	0.18%	0.021%
8	3.478	259	261	267	rVB6	1170	1406	0.01%	0.001%
9	3.582	276	278	288	rVB10	1923	5153	0.05%	0.005%
10	3.698	293	297	299	rBV5	1563	2172	0.02%	0.002%
11	3.734	299	303	309	rVV9	1995	4704	0.04%	0.005%
12	3.838	315	320	322	rBV6	3242	5049	0.05%	0.005%
13	3.868	322	325	331	rVV5	3915	5373	0.05%	0.006%
14	4.021	338	350	360	rBV2	264480	910943	8.45%	0.961%
15	4.118	360	366	379	rVB	175966	474253	4.40%	0.500%
16	4.387	401	410	423	rVB	17486	59959	0.56%	0.063%
17	4.484	424	426	429	rVB4	1240	1344	0.01%	0.001%
18	4.923	485	498	517	rBV5	17687	97490	0.90%	0.103%
19	5.277	553	556	559	rVB4	1399	1426	0.01%	0.002%
20	5.435	573	582	593	rVB4	5152	17901	0.17%	0.019%
21	5.600	606	609	611	rVB3	1615	1412	0.01%	0.001%
22	5.624	611	613	614	rBV2	1882	1510	0.01%	0.002%
23	5.777	631	638	640	rBV5	6205	12382	0.11%	0.013%
24	5.947	656	666	678	rVB5	10104	35830	0.33%	0.038%
25	6.112	689	693	696	rVV6	1514	2456	0.02%	0.003%
26	6.197	704	707	708	rVV3	995	1347	0.01%	0.001%
27	6.246	713	715	718	rVV4	1518	1766	0.02%	0.002%
28	6.276	718	720	722	rVV3	1287	1391	0.01%	0.001%
29	6.307	722	725	726	rVV3	1536	1507	0.01%	0.002%
30	6.344	729	731	736	rBV6	1458	2563	0.02%	0.003%
31	6.472	747	752	754	rBV6	1035	2218	0.02%	0.002%
32	6.715	788	792	794	rBV4	2089	1894	0.02%	0.002%
33	6.740	794	796	803	rVB7	1640	2952	0.03%	0.003%
34	6.831	806	811	813	rVB6	1344	1590	0.01%	0.002%
35	6.862	813	816	819	rBV5	1383	2357	0.02%	0.002%
36	6.898	819	822	827	rVB6	2214	4030	0.04%	0.004%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
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37	6.978	827	835	842	rBV7	6621	21374	0.20%	0.023%
38	7.075	843	851	859	rBV	118343	334493	3.10%	0.353%
39	7.167	860	866	878	rVB	89824	267849	2.48%	0.283%
40	7.362	897	898	901	rBV3	1611	1688	0.02%	0.002%
41	7.490	918	919	921	rBV2	1647	1495	0.01%	0.002%
42	7.526	921	925	930	rVV8	2280	5782	0.05%	0.006%
43	7.648	935	945	960	rVV	508033	1271788	11.79%	1.342%
44	7.947	986	994	1002	rBV6	11910	40685	0.38%	0.043%
45	8.154	1022	1028	1036	rVB3	11066	23716	0.22%	0.025%
46	8.276	1038	1048	1064	rBV2	1081881	3186300	29.55%	3.362%
47	8.575	1092	1097	1101	rBV8	5871	11294	0.10%	0.012%
48	8.697	1111	1117	1122	rBV5	10310	24220	0.22%	0.026%
49	8.843	1132	1141	1155	rBV	1409036	2743152	25.44%	2.895%
50	9.276	1204	1212	1218	rBV	728511	1497365	13.88%	1.580%
51	9.953	1320	1323	1327	rBV2	21016	32649	0.30%	0.034%
52	10.032	1331	1336	1343	rVV	350369	603102	5.59%	0.636%
53	10.325	1377	1384	1391	rBV	1374796	2432942	22.56%	2.567%
54	10.581	1420	1426	1436	rBV	209209	381740	3.54%	0.403%
55	10.922	1477	1482	1492	rBV	436906	783990	7.27%	0.827%
56	11.178	1521	1524	1526	rBV3	38500	51823	0.48%	0.055%
57	11.233	1529	1533	1534	rBV2	71793	99419	0.92%	0.105%
58	11.507	1574	1578	1590	rVB	112135	206809	1.92%	0.218%
59	11.629	1592	1598	1606	rVB	1434173	2387234	22.14%	2.519%
60	11.873	1634	1638	1642	rBV2	103769	158780	1.47%	0.168%
61	12.062	1664	1669	1673	rVB3	102098	179501	1.66%	0.189%
62	12.135	1675	1681	1692	rBV5	303494	884112	8.20%	0.933%
63	12.251	1695	1700	1704	rVB	400483	663928	6.16%	0.701%
64	12.361	1705	1718	1726	rBV3	505717	1863384	17.28%	1.966%
65	12.501	1738	1741	1745	rVB3	143377	182353	1.69%	0.192%
66	12.690	1767	1772	1778	rBV2	598741	1189057	11.03%	1.255%
67	12.775	1783	1786	1792	rVB4	315602	561783	5.21%	0.593%
68	12.855	1794	1799	1803	rBV6	300947	716576	6.64%	0.756%
69	12.940	1806	1813	1817	rBV5	806879	2046594	18.98%	2.160%
70	13.074	1831	1835	1839	rVB	433810	580744	5.39%	0.613%
71	13.123	1839	1843	1846	rBV3	440514	687183	6.37%	0.725%
72	13.159	1846	1849	1856	rVB4	389991	670910	6.22%	0.708%
73	13.287	1866	1870	1875	rVB	573010	775596	7.19%	0.818%
74	13.342	1875	1879	1882	rBV	431442	624720	5.79%	0.659%
75	13.446	1887	1896	1899	rBV5	1061839	2283386	21.17%	2.409%
76	13.483	1899	1902	1908	rVB4	456232	713880	6.62%	0.753%

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77	13.556	1910	1914	1917	rBV2	644431	956508	8.87%	1.009%
78	13.690	1931	1936	1941	rBV4	484876	1013786	9.40%	1.070%
79	13.873	1958	1966	1970	rBV4	1684447	3907333	36.23%	4.123%
80	13.915	1970	1973	1978	rVB4	806030	1198092	11.11%	1.264%
81	13.976	1979	1983	1986	rBV2	840404	1233737	11.44%	1.302%
82	14.019	1987	1990	1994	rBV4	390127	763755	7.08%	0.806%
83	14.190	2014	2018	2023	rBV2	737368	1215895	11.27%	1.283%
84	14.257	2025	2029	2035	rVB4	1089182	1731376	16.05%	1.827%
85	14.312	2035	2038	2042	rBV3	443929	666618	6.18%	0.703%
86	14.385	2043	2050	2054	rBV2	2687799	4920629	45.63%	5.192%
87	14.488	2064	2067	2070	rBV4	397957	627910	5.82%	0.663%
88	14.543	2073	2076	2081	rVB3	1169267	1820339	16.88%	1.921%
89	14.653	2091	2094	2099	rBV	644042	892087	8.27%	0.941%
90	14.732	2103	2107	2111	rBV2	769936	1360320	12.61%	1.435%
91	14.793	2112	2117	2120	rVV2	1937597	3769845	34.96%	3.978%
92	14.836	2120	2124	2134	rVB4	4059985	9369255	86.88%	9.886%
93	15.116	2167	2170	2173	rBV4	469797	636110	5.90%	0.671%
94	15.318	2198	2203	2210	rVB	6520858	10784084	100.00%	11.379%
95	15.391	2210	2215	2220	rBV4	1125125	2535075	23.51%	2.675%
96	15.567	2240	2244	2249	rBV5	632500	1238357	11.48%	1.307%
97	15.622	2250	2253	2255	rBV2	625060	884034	8.20%	0.933%
98	15.720	2266	2269	2277	rVB3	1531870	2896947	26.86%	3.057%
99	15.866	2289	2293	2295	rBV3	542951	961847	8.92%	1.015%
100	16.275	2355	2360	2369	rVB	3020969	5836144	54.12%	6.158%

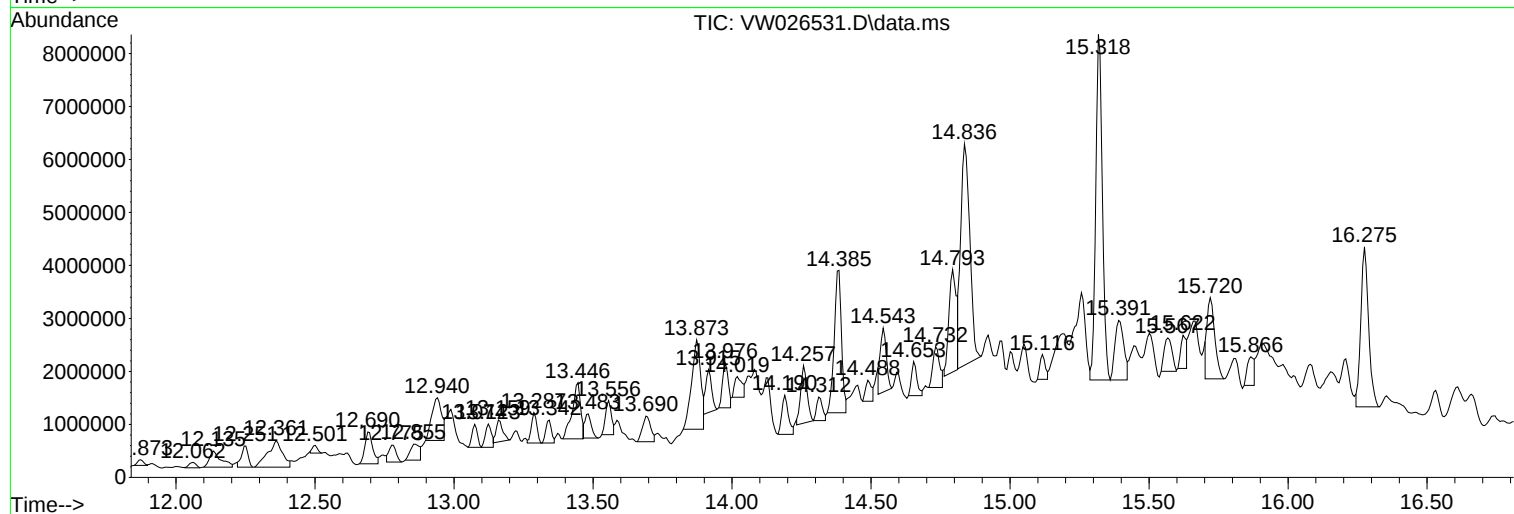
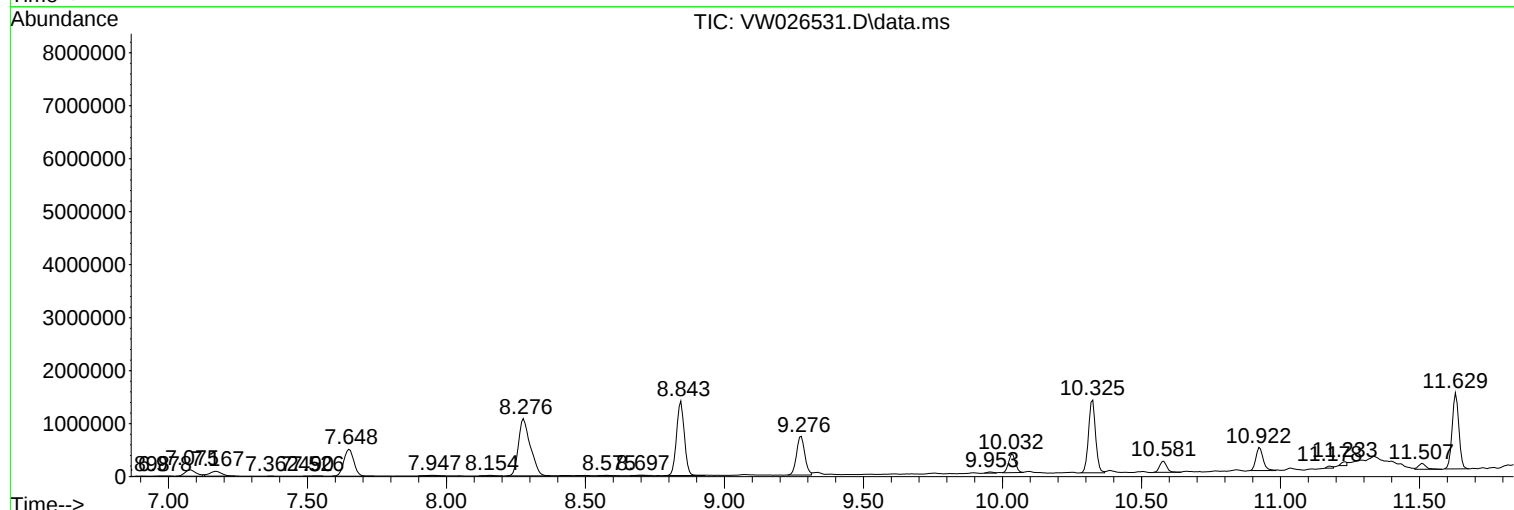
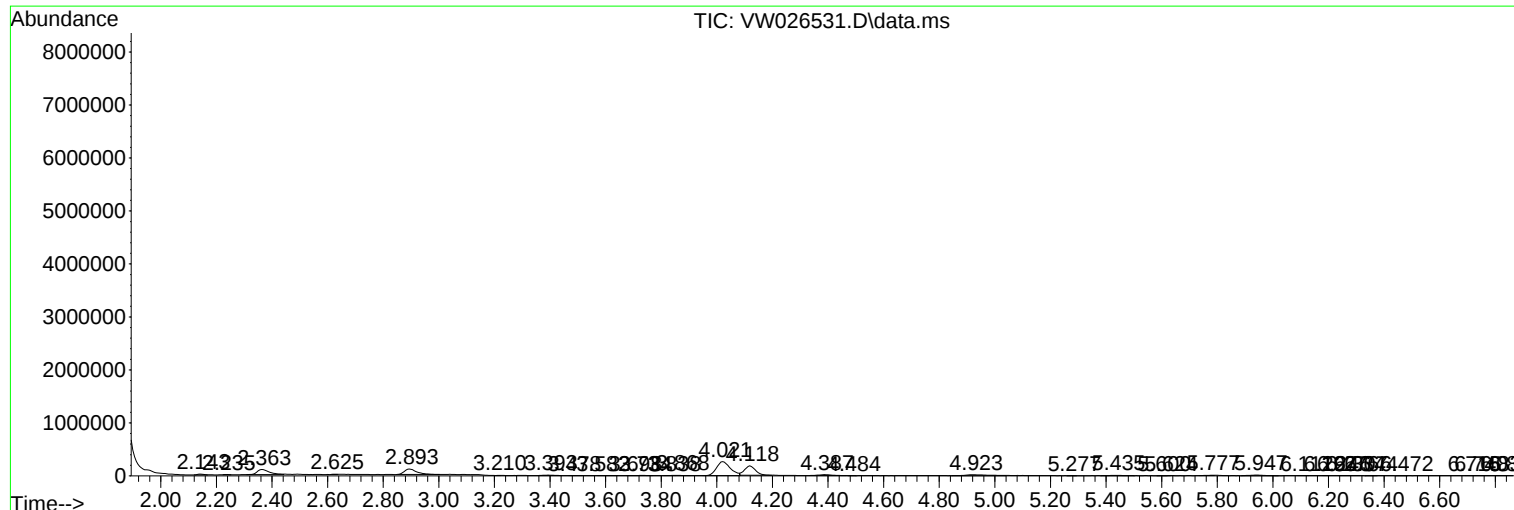
Sum of corrected areas: 94768820

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

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



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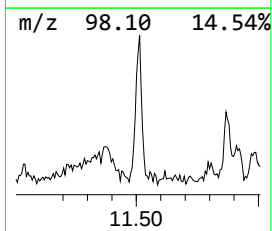
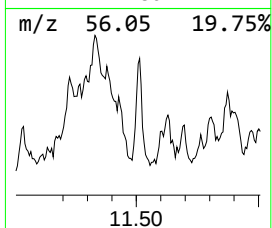
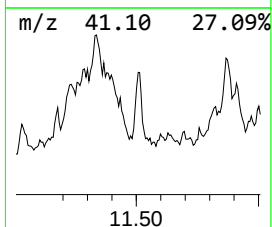
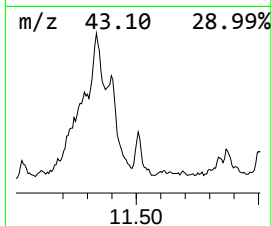
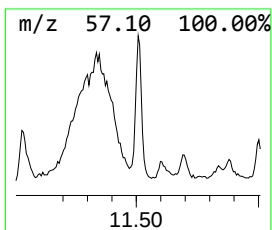
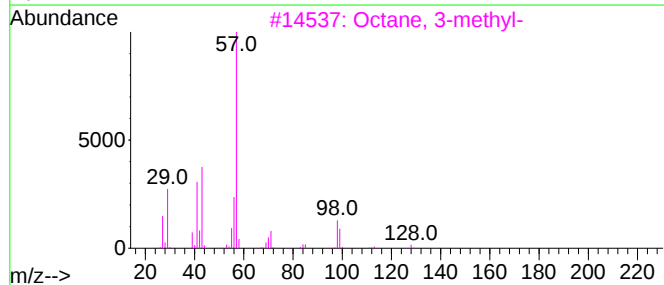
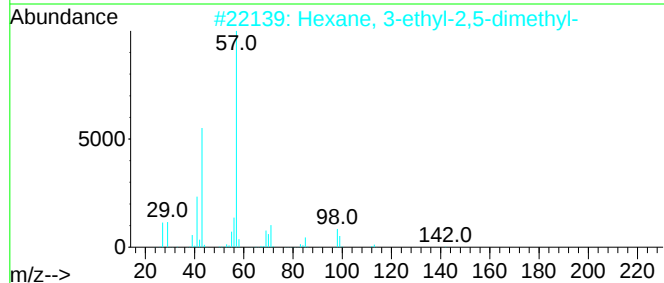
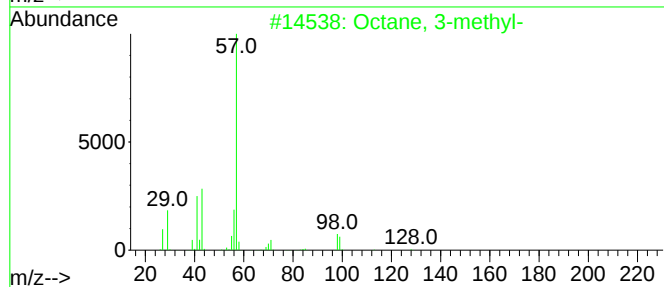
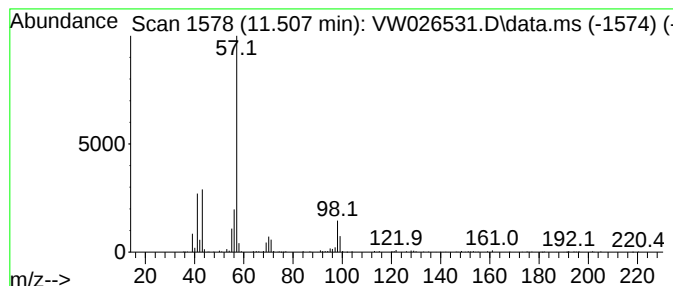
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	2.17 ug/L	206809	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	68
2		Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	59
3		Octane, 3-methyl-	128	C9H20	002216-33-3	53
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50
5		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	50



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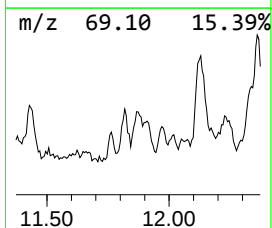
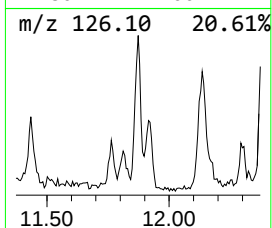
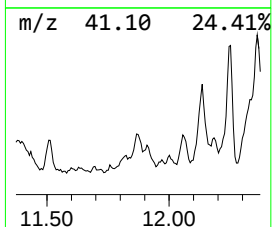
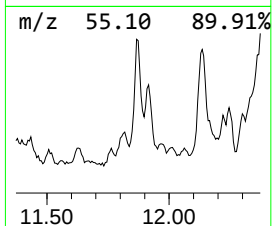
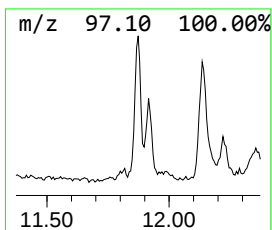
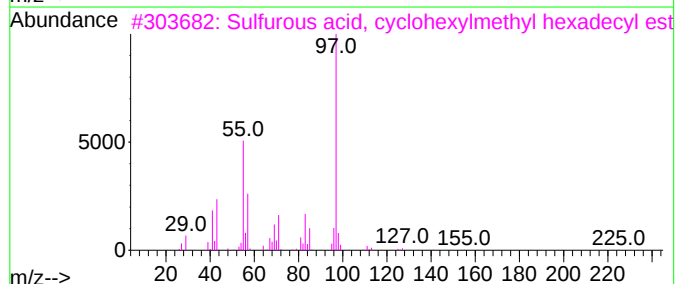
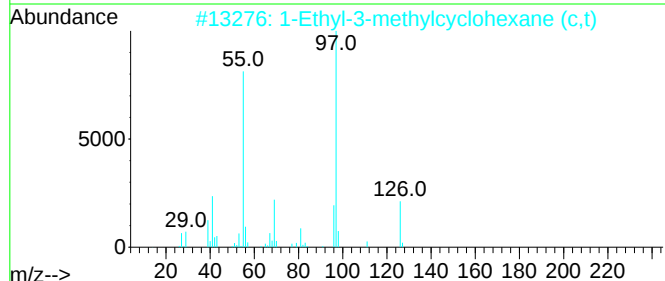
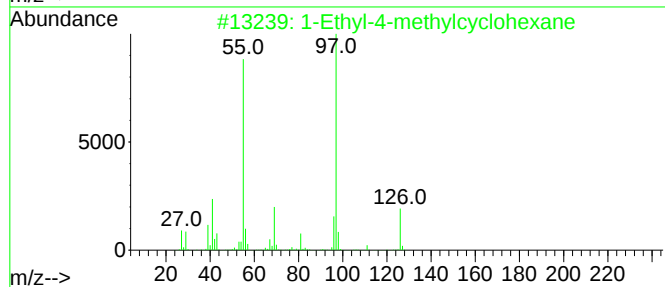
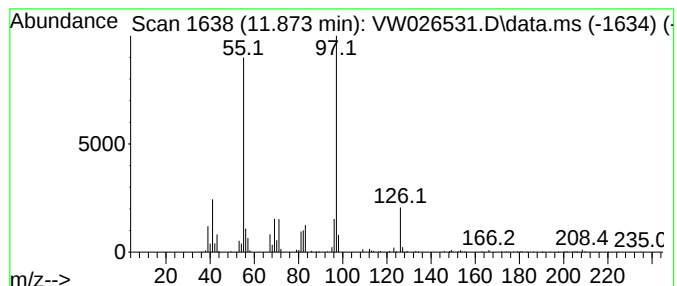
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Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic11.873 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.873	1.66 ug/L	158780	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	81
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	76
3	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	70
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	68



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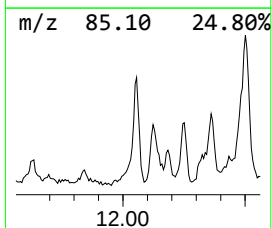
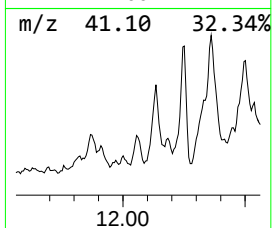
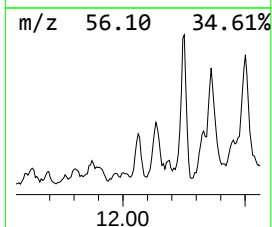
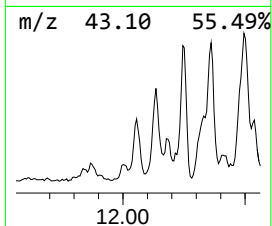
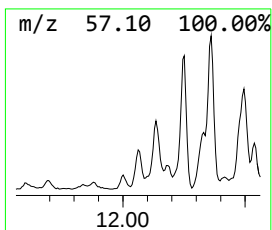
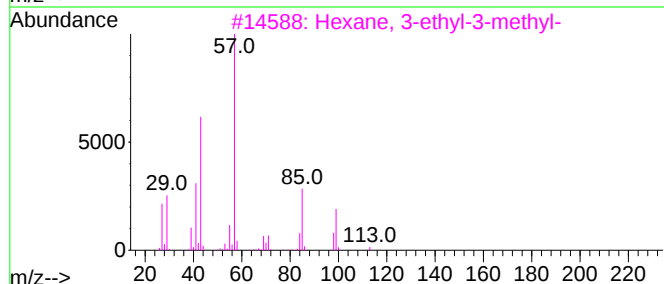
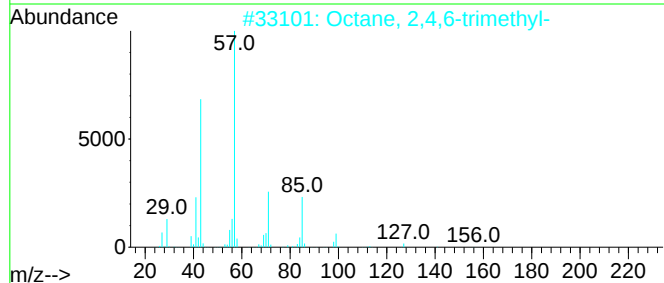
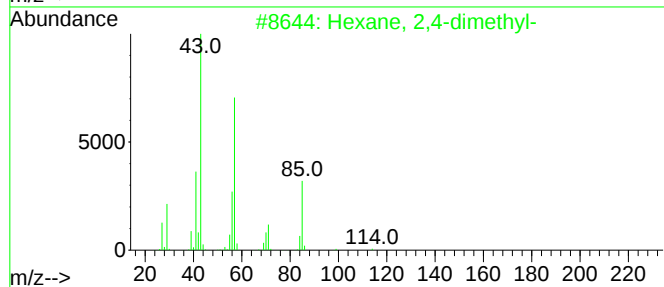
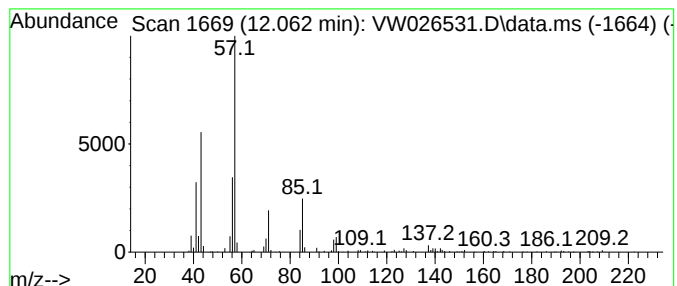
Instrument :
MSVOA_W
ClientSampleId :
A46X6

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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 37

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.062	1.88 ug/L	179501	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	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
3	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	47
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	43
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

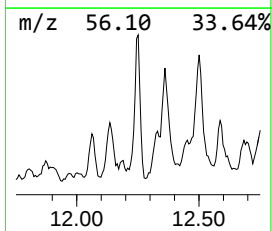
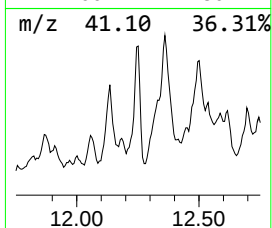
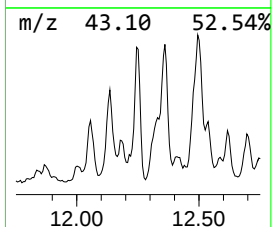
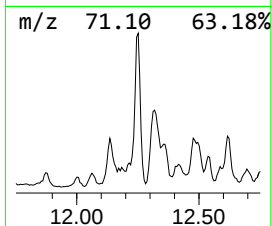
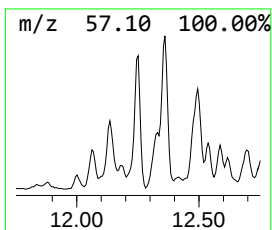
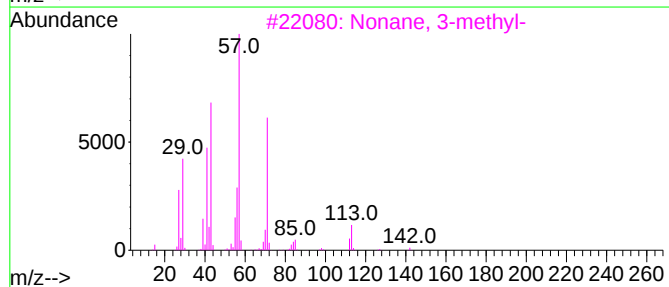
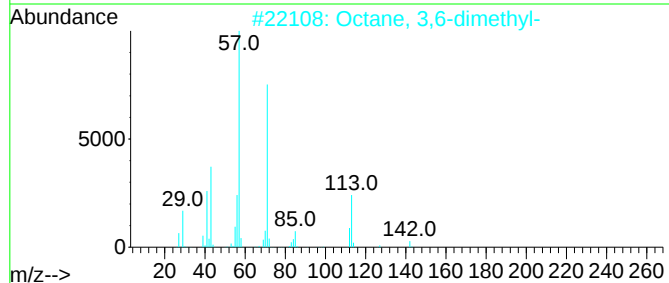
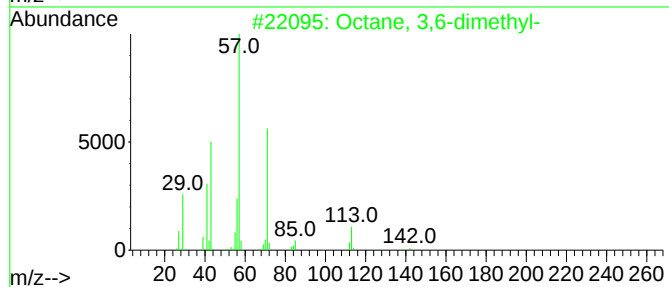
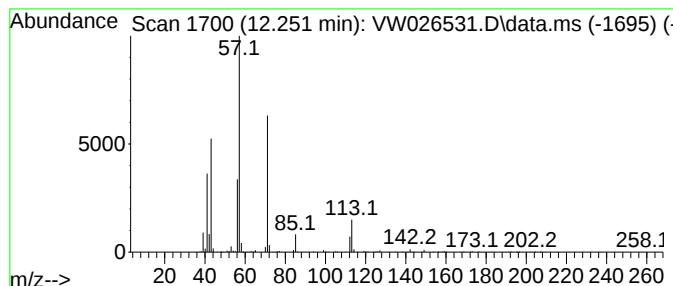
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	6.95 ug/L	663928	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

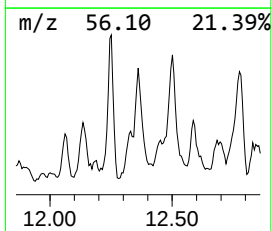
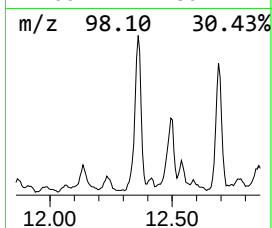
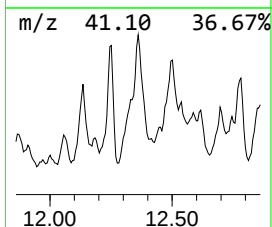
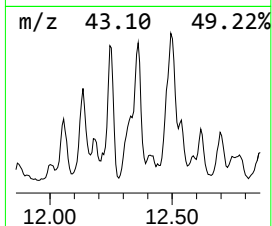
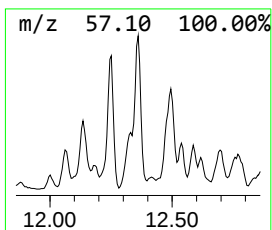
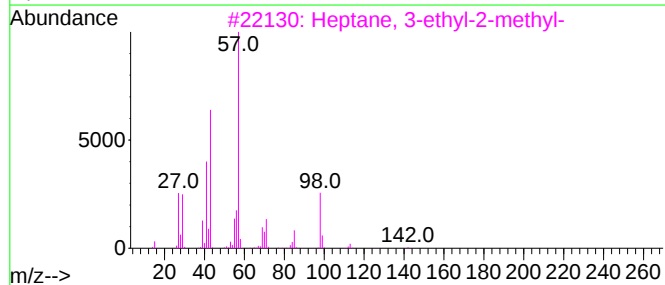
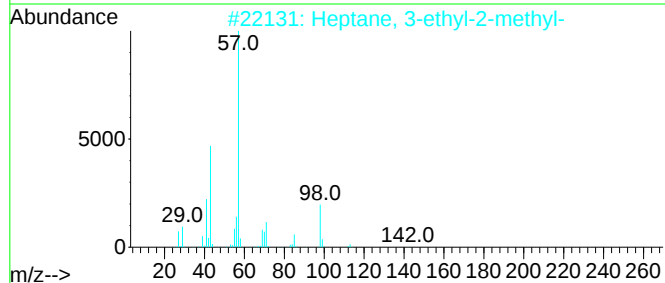
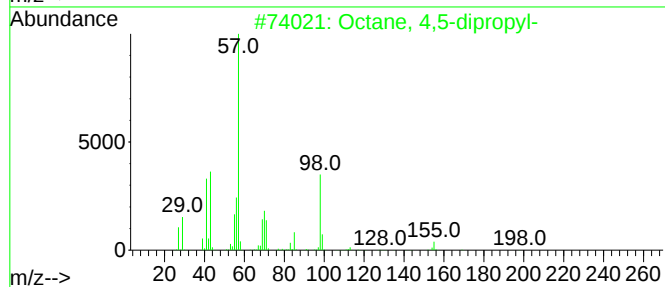
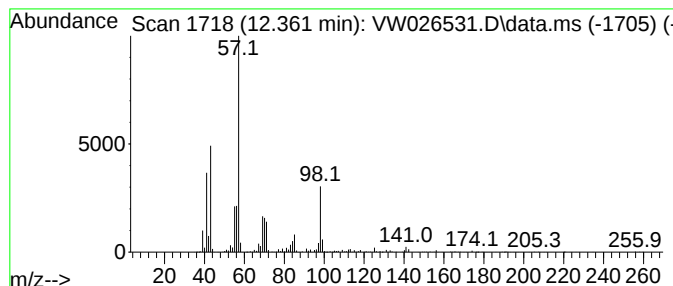
Instrument :
MSVOA_W
ClientSampleId :
A46X6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.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 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.361	19.51 ug/L	1863380	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 4,5-dipropyl-		198	C14H30	020905-05-9	86
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	80
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	78
4	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	76
5	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

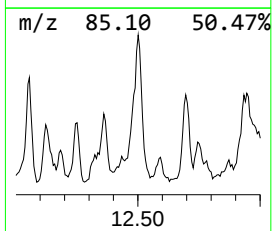
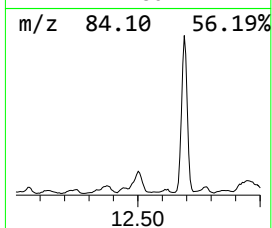
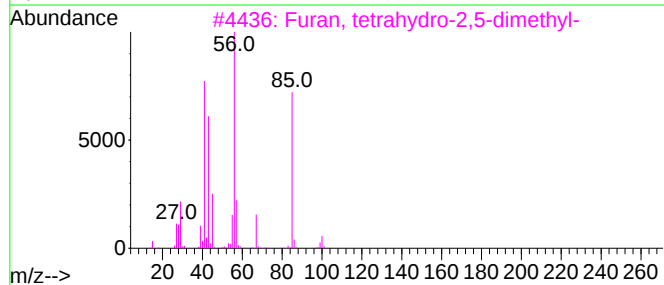
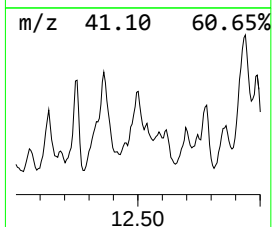
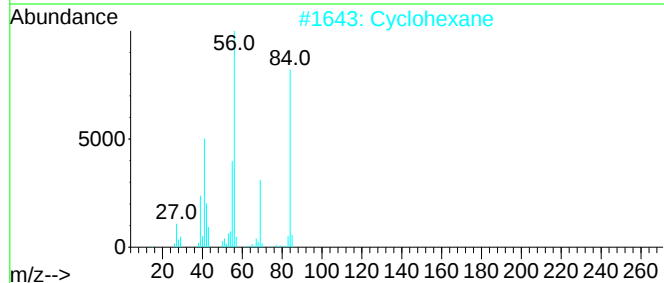
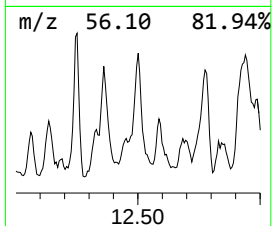
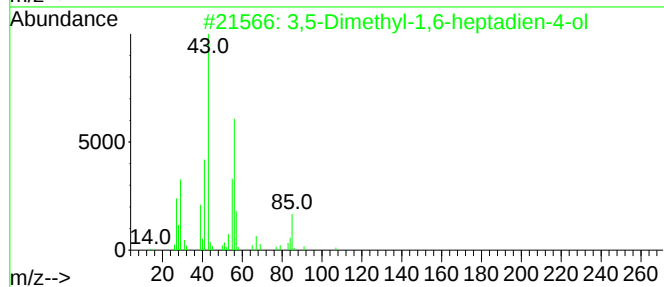
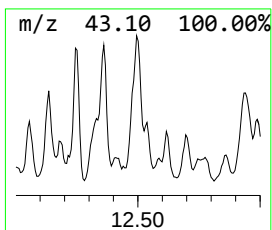
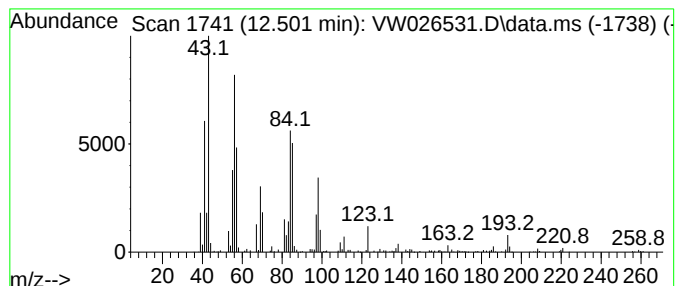
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Quant Title : SFAM01.0

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

Peak Number 7 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.501	1.91 ug/L	182353	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Dimethyl-1,6-heptadien-4-ol	140	C9H16O	019549-66-7	47
2			Cyclohexane	84	C6H12	000110-82-7	43
3			Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	43
4			Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	43
5			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

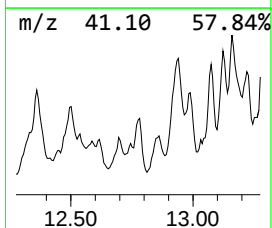
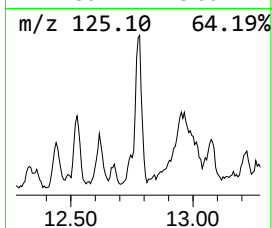
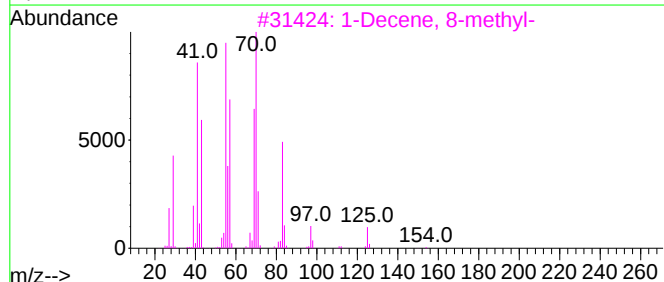
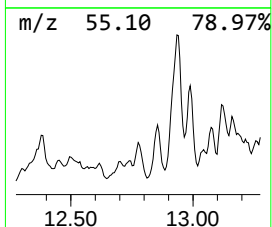
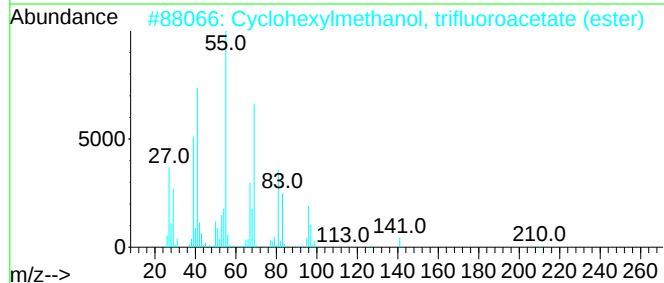
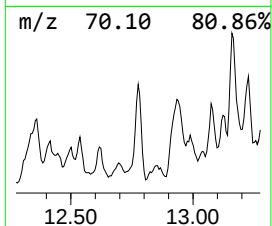
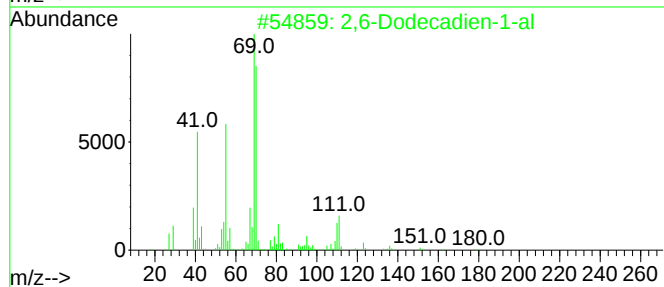
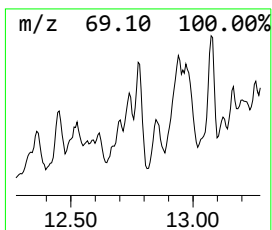
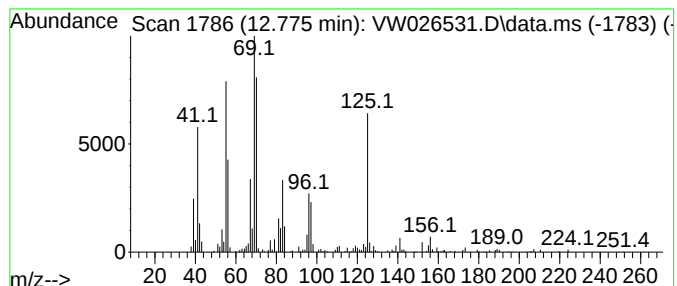
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Quant Title : SFAM01.0

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

Peak Number 8 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	14.68 ug/L	561783	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dodecadien-1-ol			180	C12H20O	021662-13-5	45
2	Cyclohexylmethanol, trifluoroacetate (ester)			210	C9H13F3O2	164071-20-9	41
3	1-Decene, 8-methyl-			154	C11H22	061142-79-8	38
4	trans-2-Methyl-3-octene			126	C9H18	052937-36-7	35
5	5-Undecene, 3-methyl-, (E)-			168	C12H24	074630-67-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

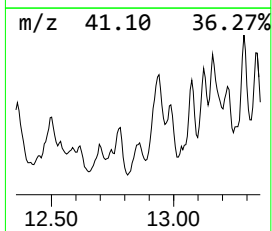
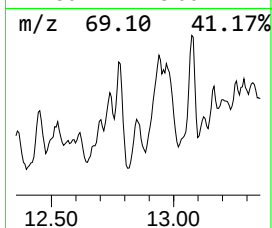
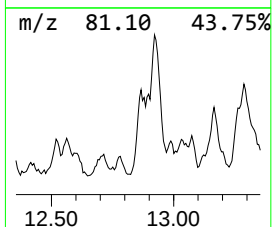
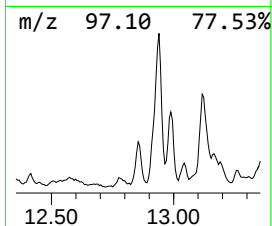
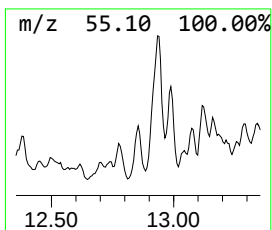
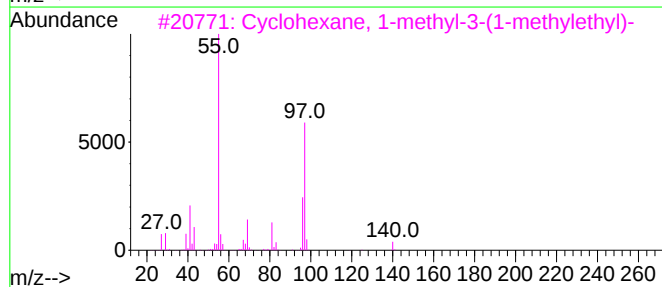
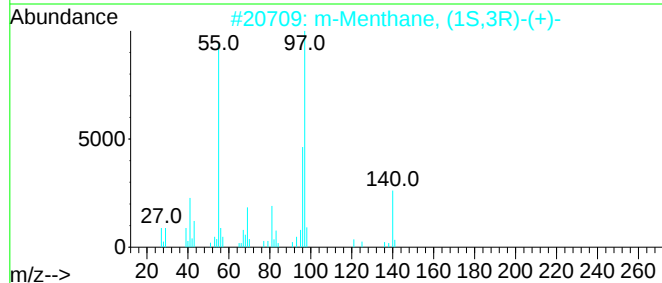
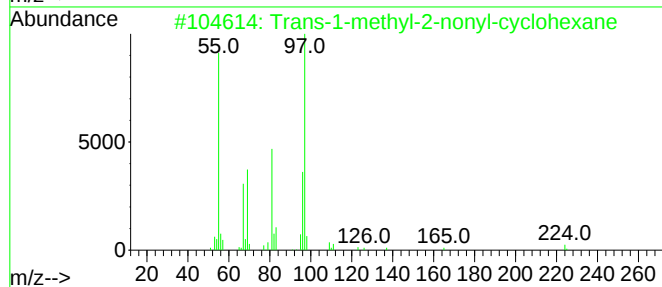
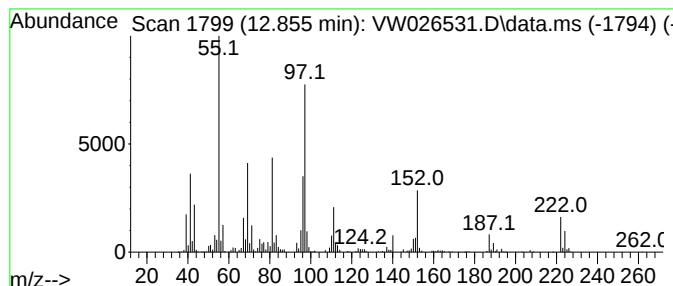
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic12.855 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	18.73 ug/L	716576	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	76
2			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	64
3			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	52
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	52
5			Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

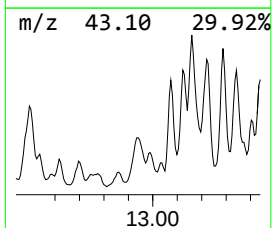
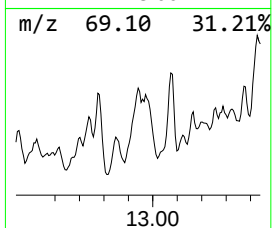
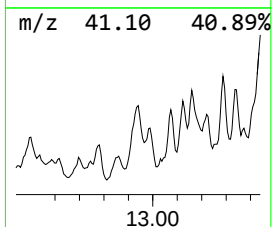
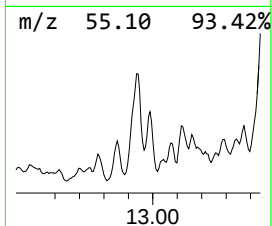
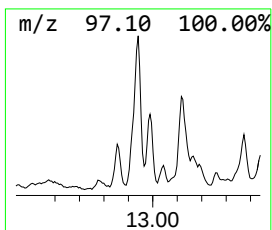
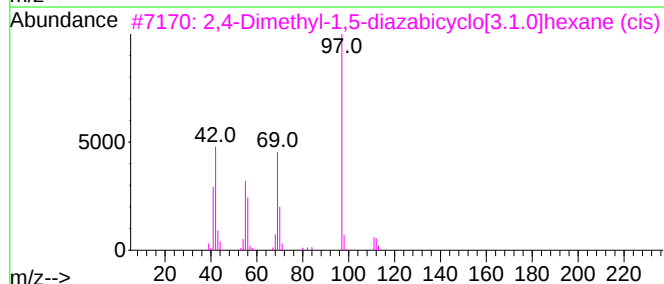
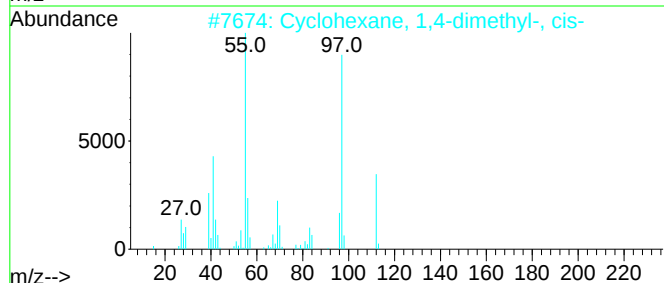
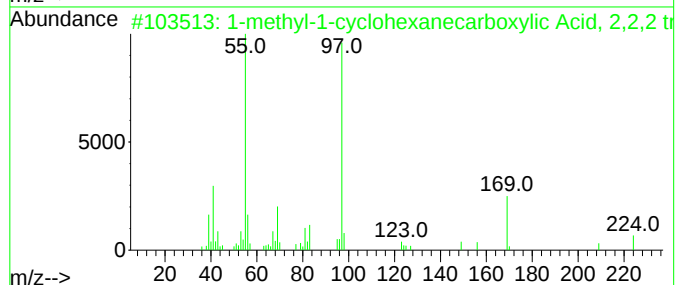
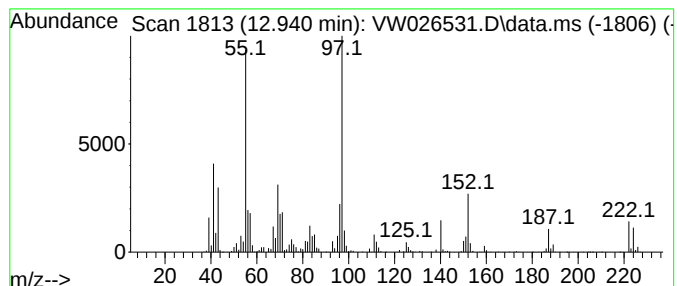
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Quant Title : SFAM01.0

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

Peak Number 10 1-methyl-1-cyclohexanecarbo... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	53.49 ug/L	2046590	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-methyl-1-cyclohexanecarboxylic...	224	C10H15F3O2	1000376-54-0	58
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58
3			2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	55
4			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	52
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

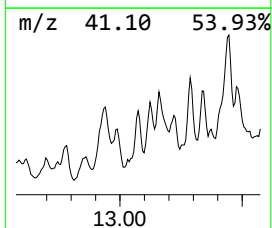
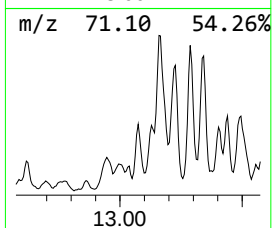
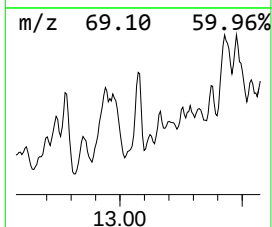
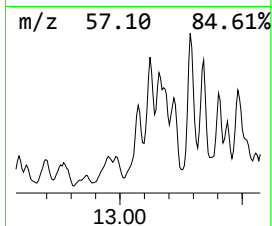
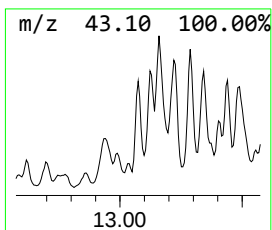
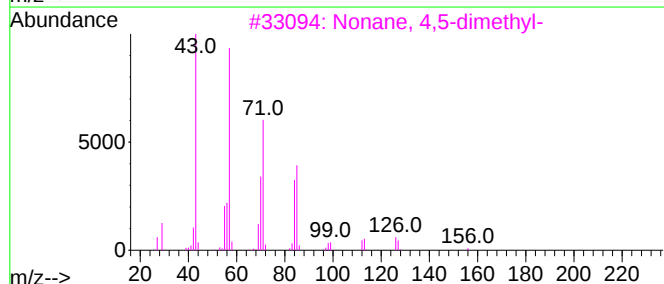
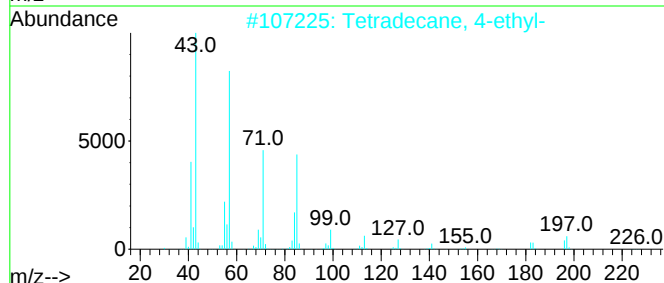
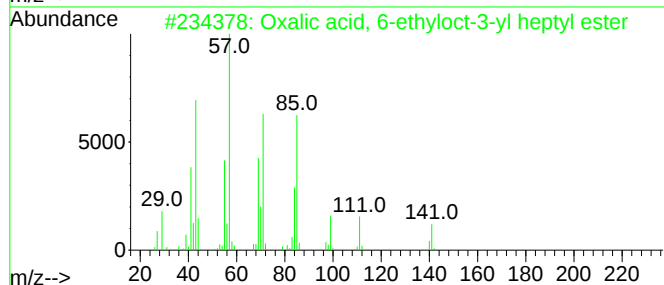
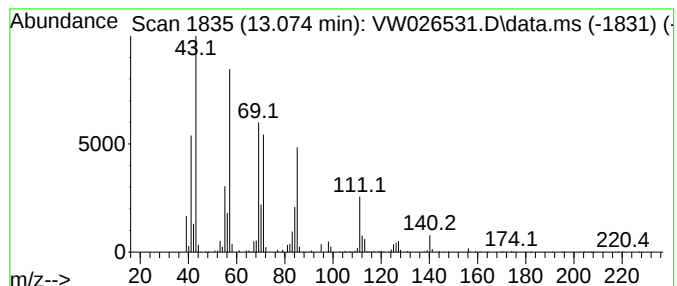
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Quant Title : SFAM01.0

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

Peak Number 11 Oxalic acid, 6-ethyloct-3-y... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	15.18 ug/L	580744	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	64
2			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	53
3			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	53
4			Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	53
5			2,6-Dimethyldecane	170	C12H26	013150-81-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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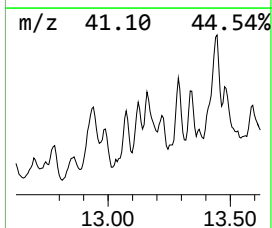
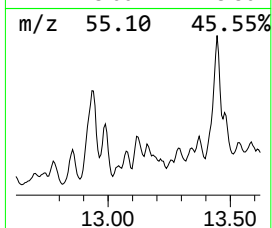
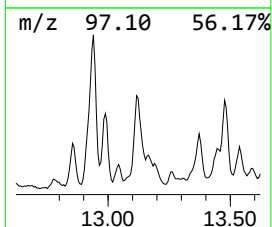
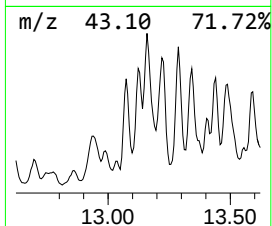
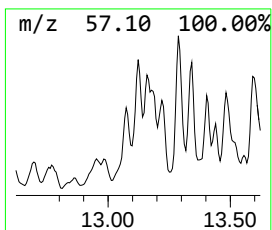
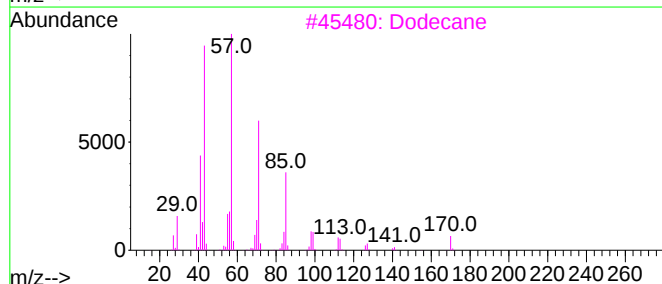
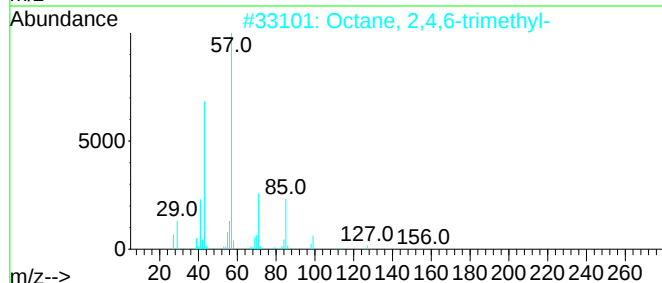
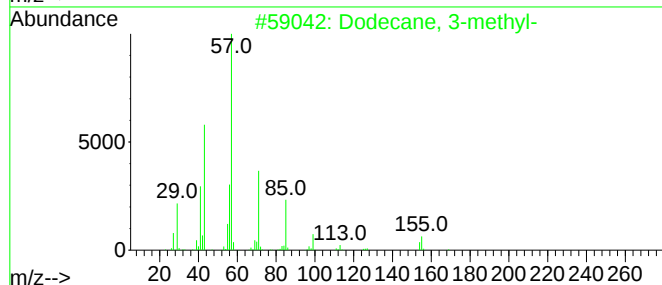
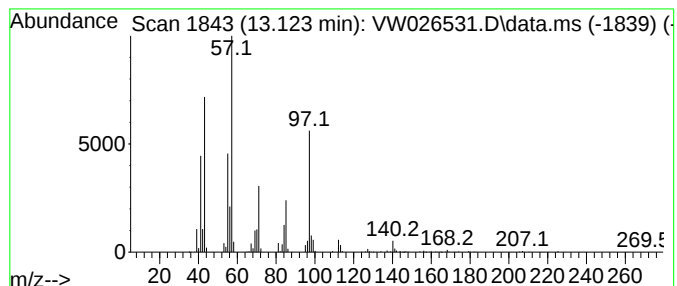
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	17.96 ug/L	687183	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 3-methyl-	184	C13H28	017312-57-1	47
2			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43
3			Dodecane	170	C12H26	000112-40-3	38
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	38
5			Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

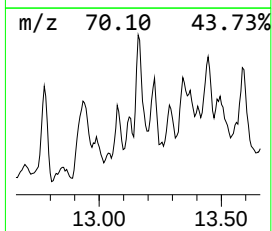
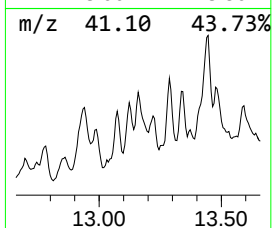
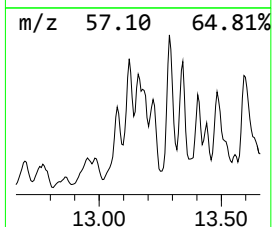
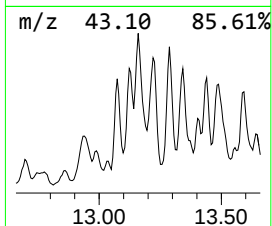
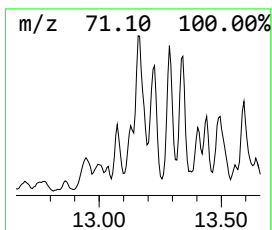
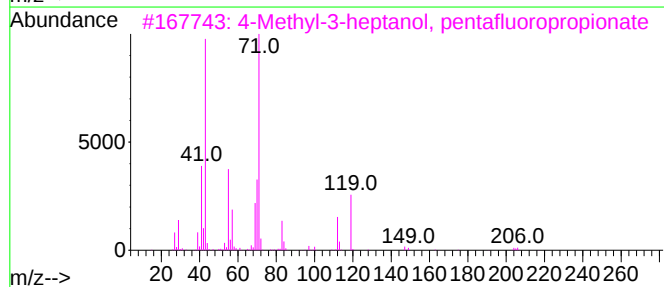
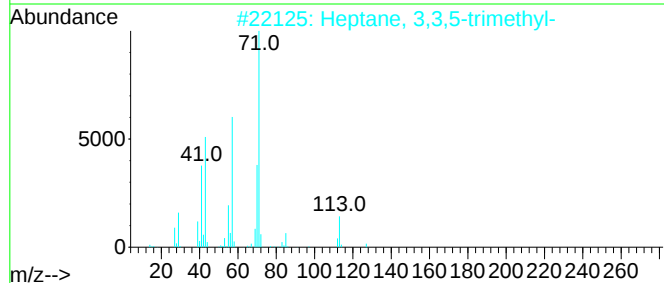
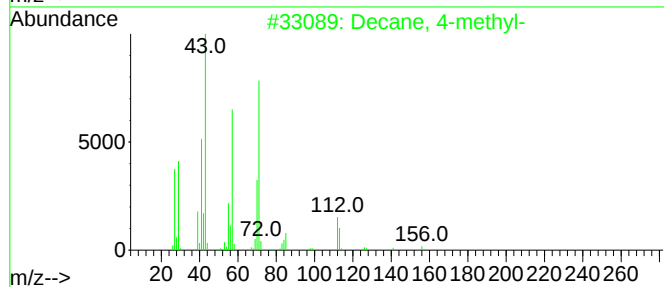
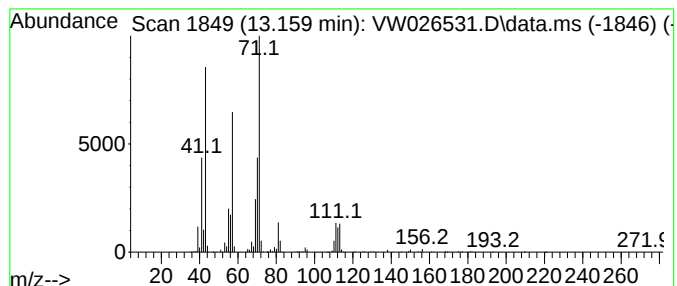
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.159	17.54 ug/L	670910	1,4-Dichlorobenzene-d4	13.562	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	59
4	Sulfurous acid, 2-pentyl tridecy...	334	C18H38O3S	1000309-16-2	59
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

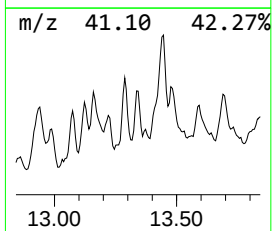
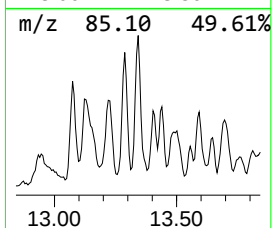
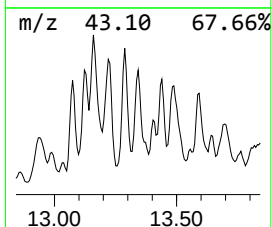
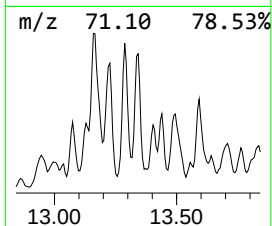
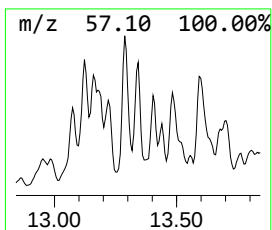
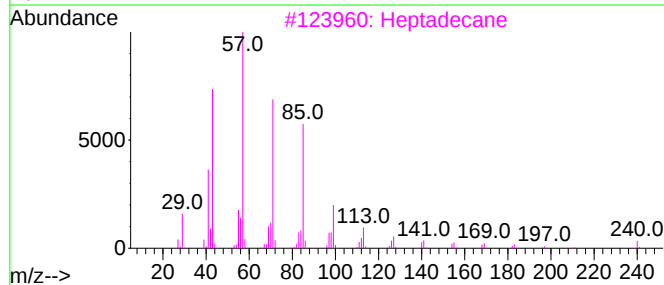
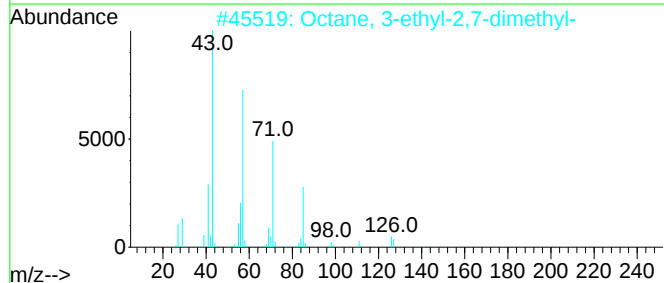
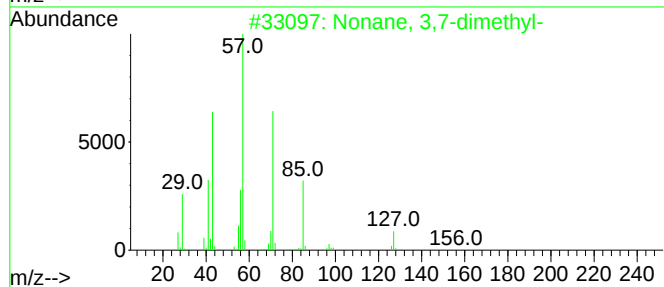
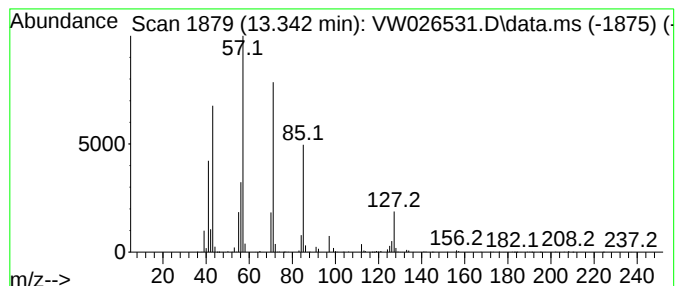
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.342	16.33 ug/L	624720	1,4-Dichlorobenzene-d4			13.562
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	94
2	Octane, 3-ethyl-2,7-dimethyl-		170	C12H26	062183-55-5	78
3	Heptadecane		240	C17H36	000629-78-7	78
4	Decane, 3-methyl-		156	C11H24	013151-34-3	72
5	Dodecane, 2-methyl-		184	C13H28	001560-97-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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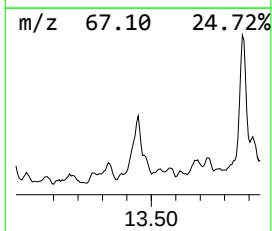
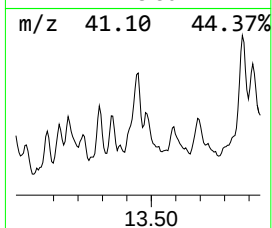
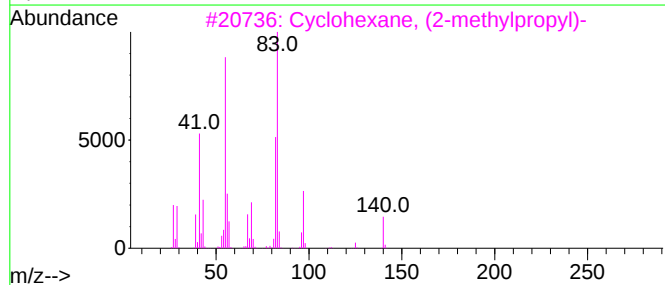
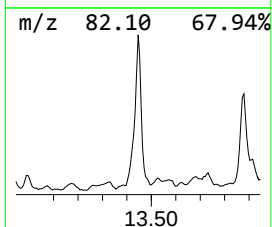
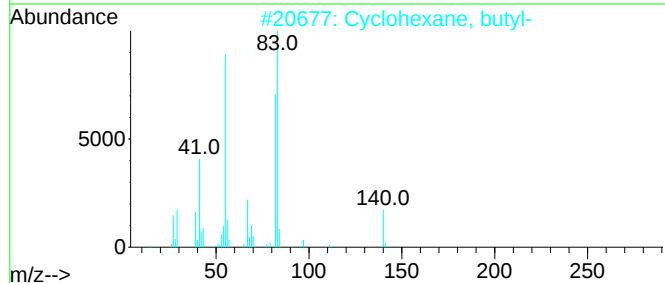
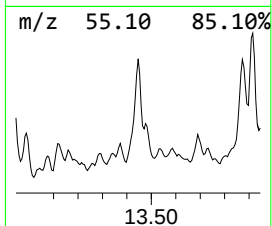
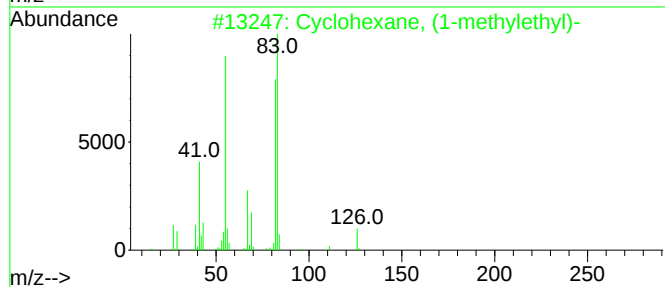
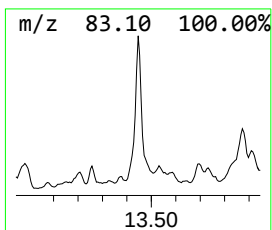
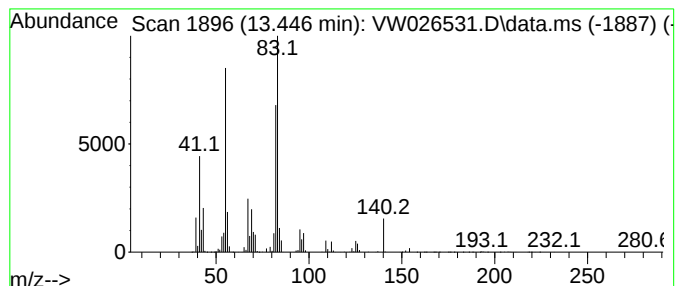
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic13.446 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.446	59.68 ug/L	2283390	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	83
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	74
5			Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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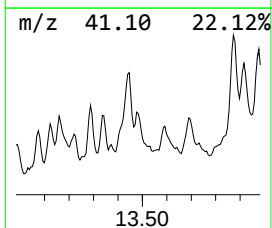
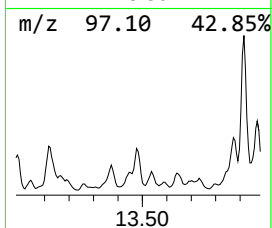
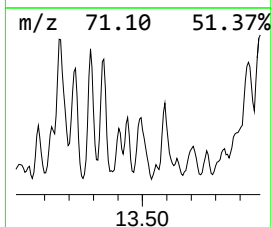
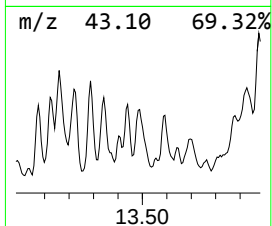
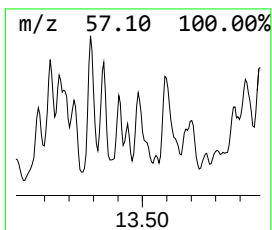
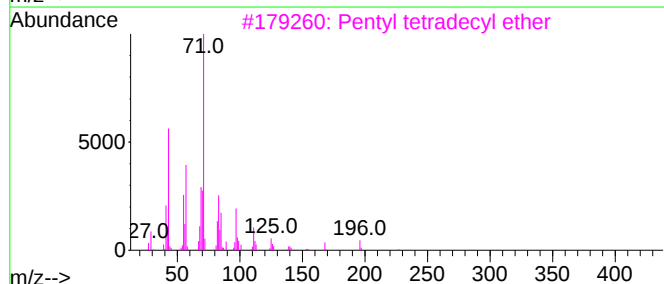
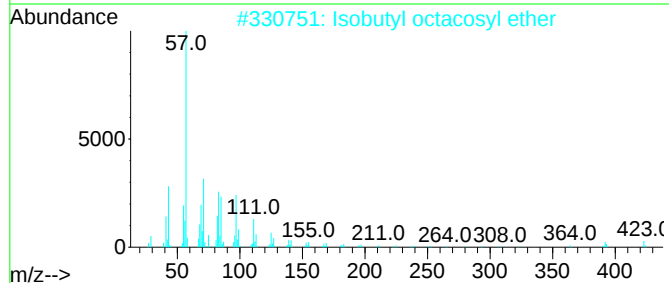
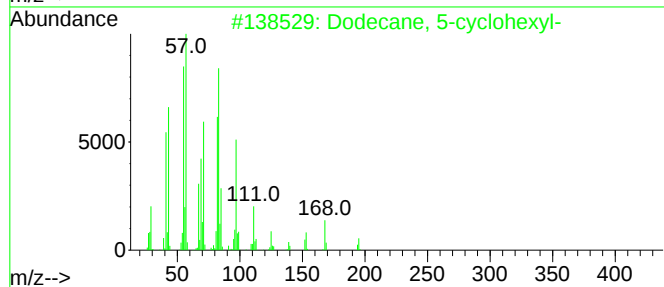
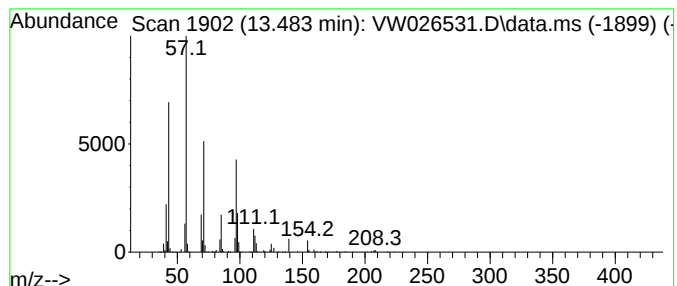
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic13.483 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	18.66 ug/L	713880	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 5-cyclohexyl-	252	C18H36	013151-85-4	50
2			Isobutyl octacosyl ether	467	C32H66O	1000406-33-4	43
3			Pentyl tetradecyl ether	284	C19H40O	1000406-41-7	43
4			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	38
5			Oxalic acid, dodecyl isobutyl ester	314	C18H34O4	1000309-37-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

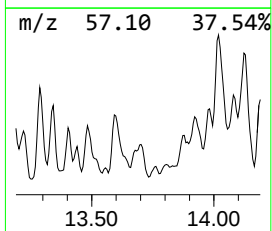
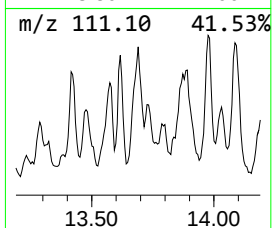
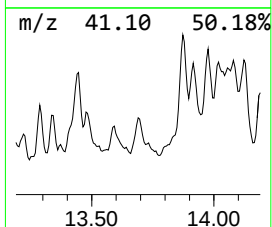
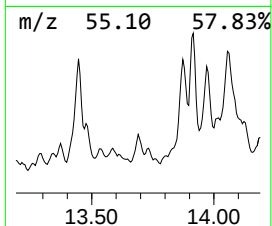
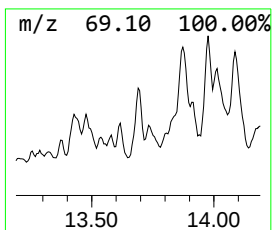
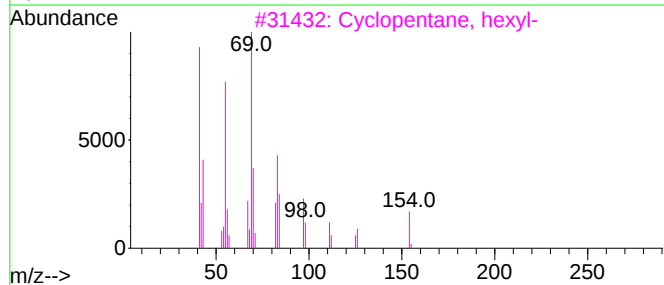
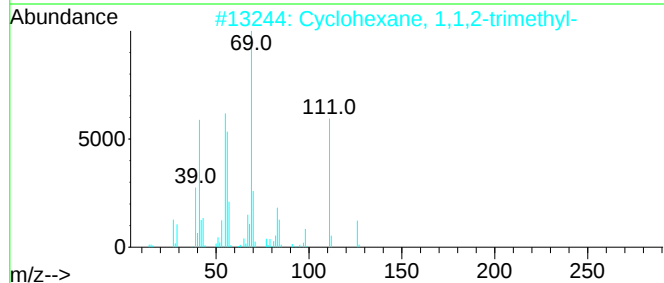
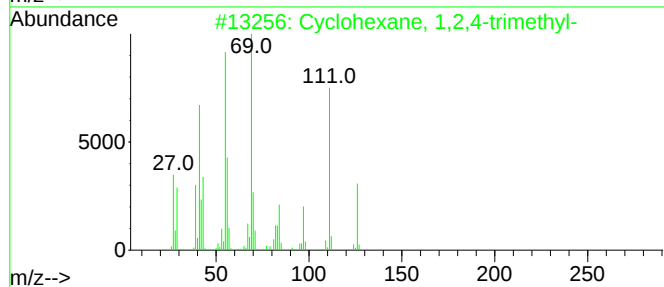
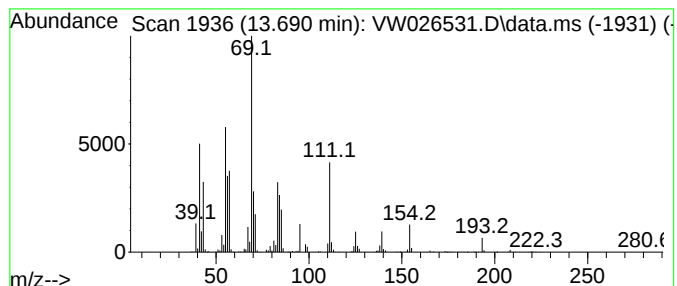
Instrument :
MSVOA_W
ClientSampleId :
A46X6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic13.690 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.690	26.50 ug/L	1013790	1,4-Dichlorobenzene-d4	13.562	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	58
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	58
3	Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

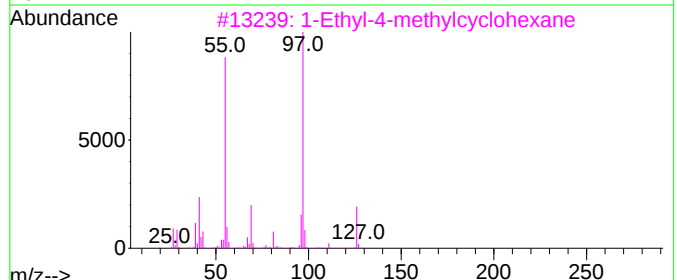
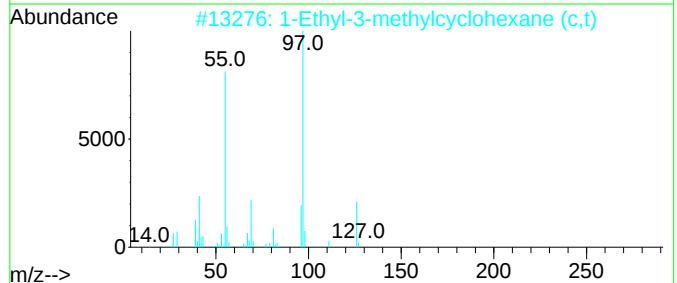
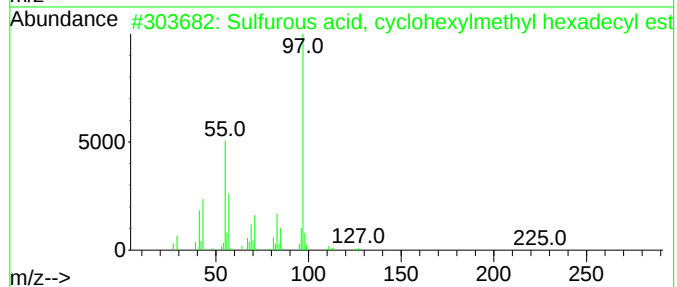
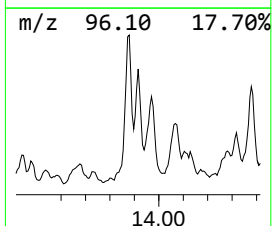
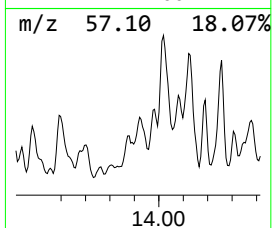
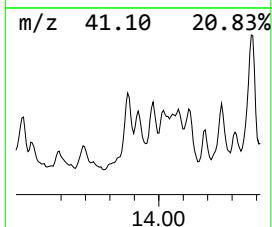
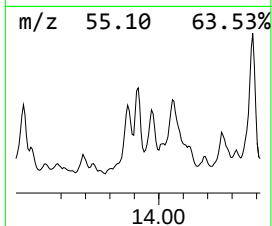
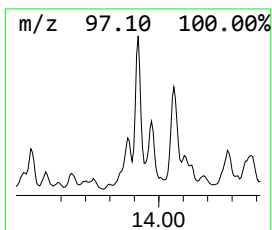
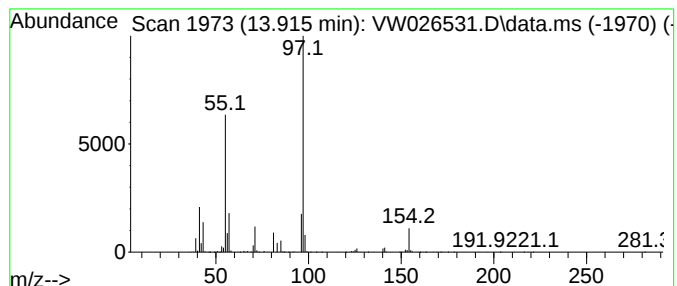
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Quant Title : SFAM01.0

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

Peak Number 18 Sulfurous acid, cyclohexylm... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.915	31.31 ug/L	1198090	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	59
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59
5			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

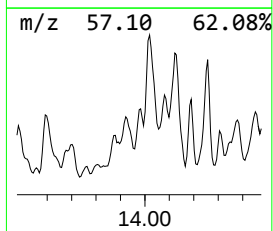
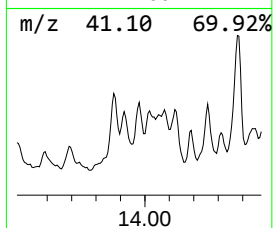
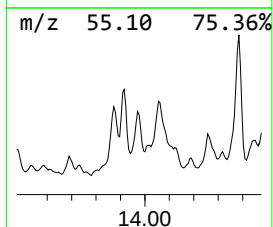
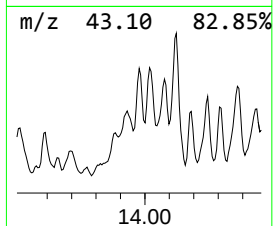
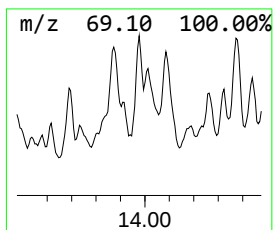
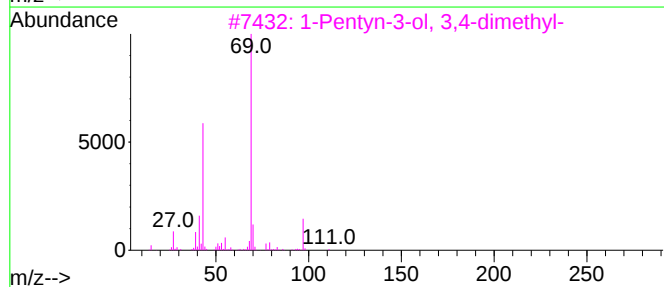
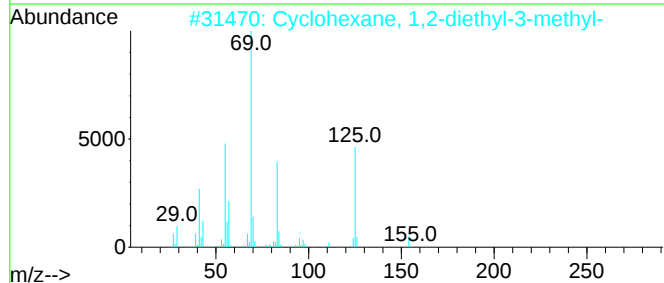
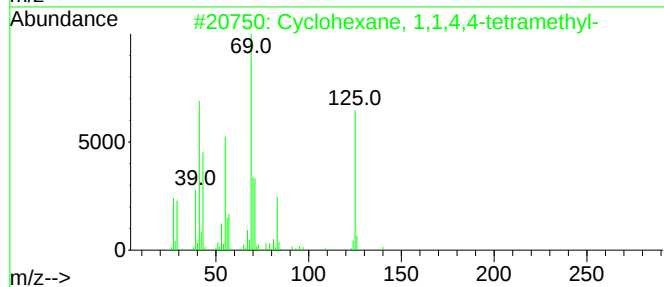
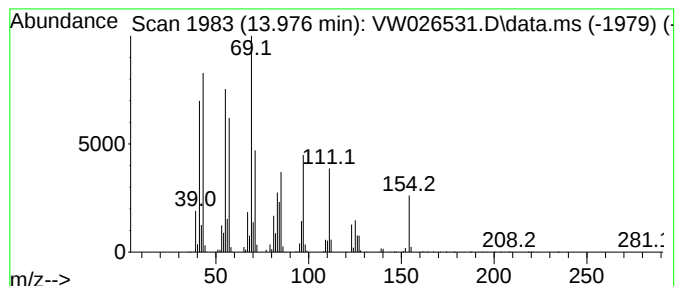
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic13.976 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.976	32.25 ug/L	1233740	1,4-Dichlorobenzene-d4	13.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	30
2		Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	30
3		1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	27
4		Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	27
5		2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

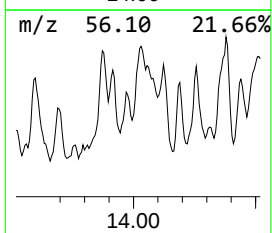
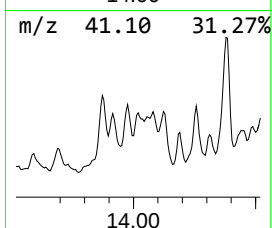
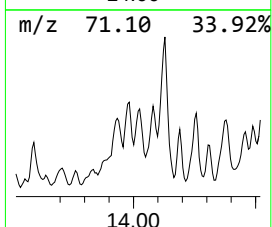
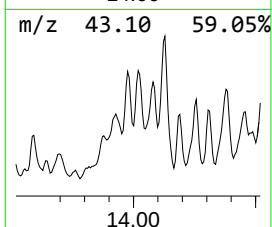
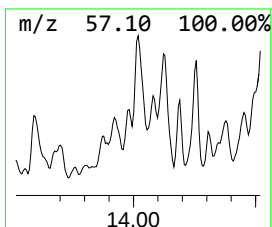
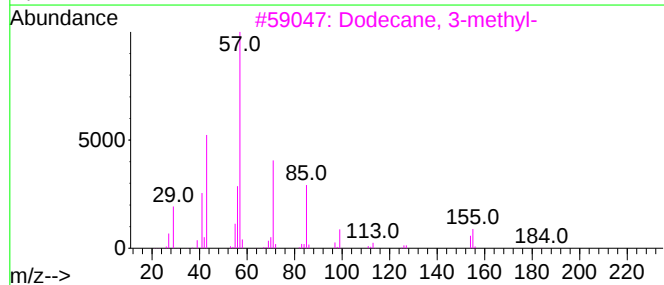
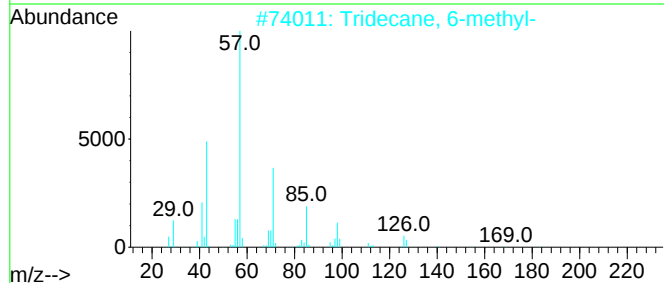
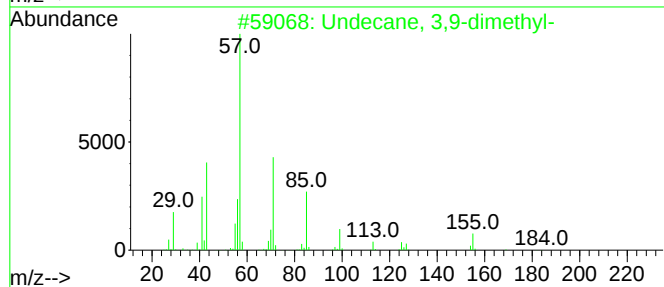
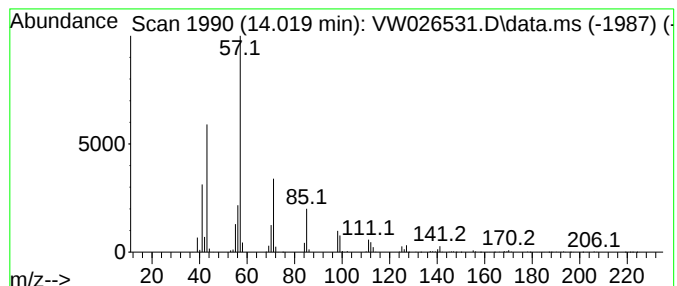
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.019	19.96 ug/L	763755	1,4-Dichlorobenzene-d4	13.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	64
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
4		Undecane, 5-ethyl-	184	C13H28	017453-94-0	59
5		Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

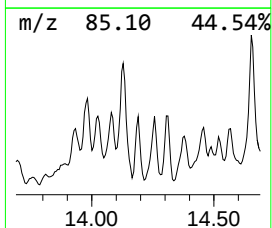
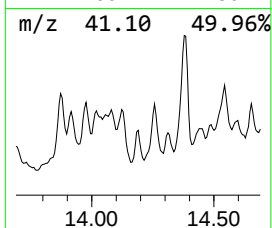
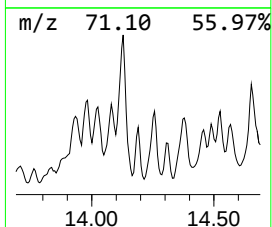
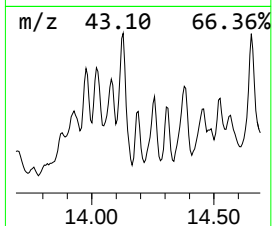
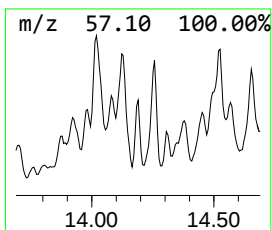
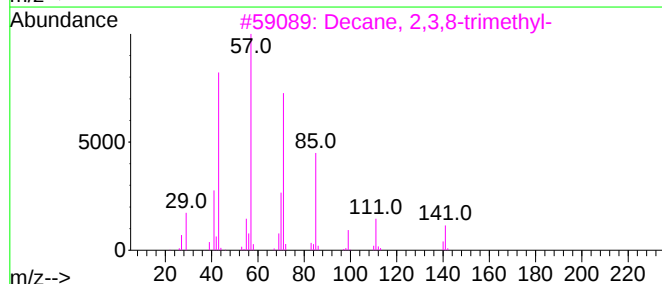
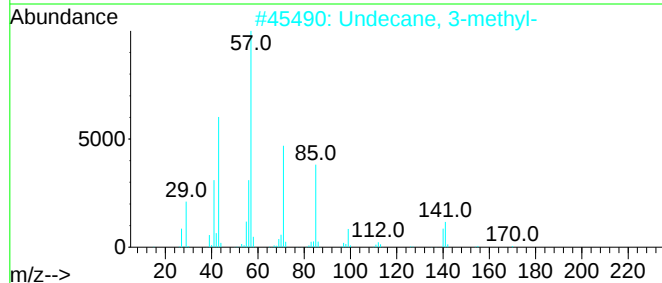
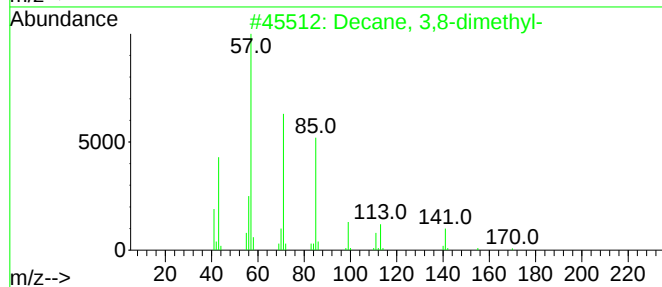
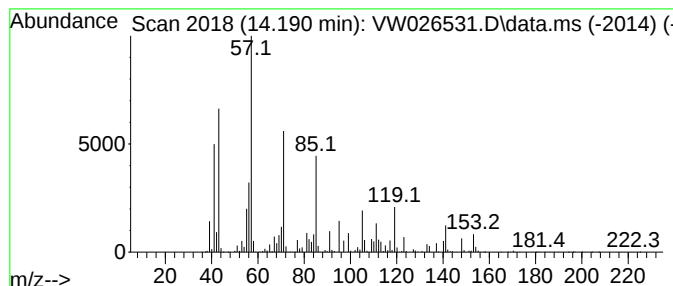
Instrument :
MSVOA_W
ClientSampleId :
A46X6

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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.190	31.78 ug/L	1215900	1,4-Dichlorobenzene-d4		13.562	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	64
2	Undecane, 3-methyl-		170	C12H26	001002-43-3	58
3	Decane, 2,3,8-trimethyl-		184	C13H28	062238-14-6	52
4	Decane, 3-bromo-		220	C10H21Br	030571-71-2	49
5	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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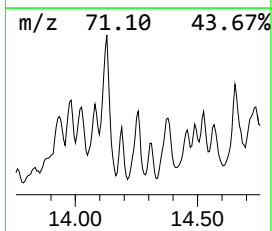
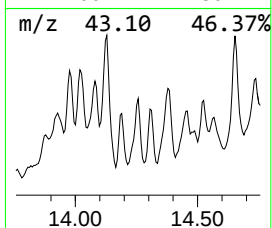
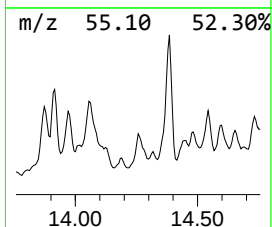
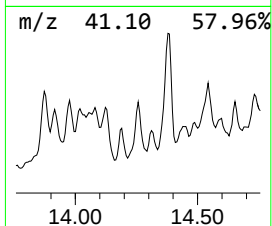
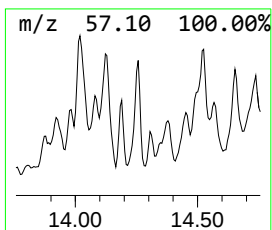
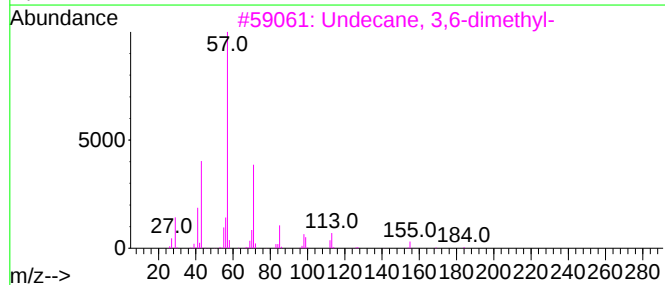
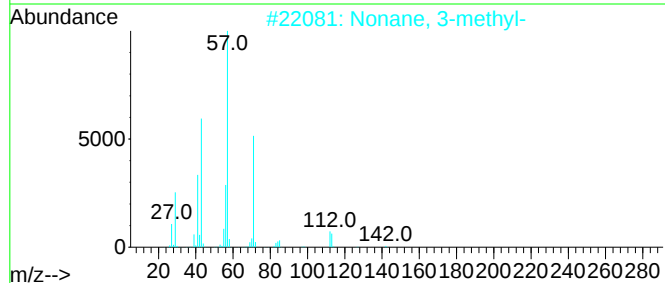
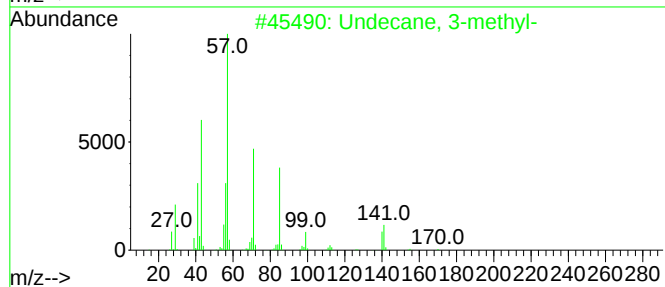
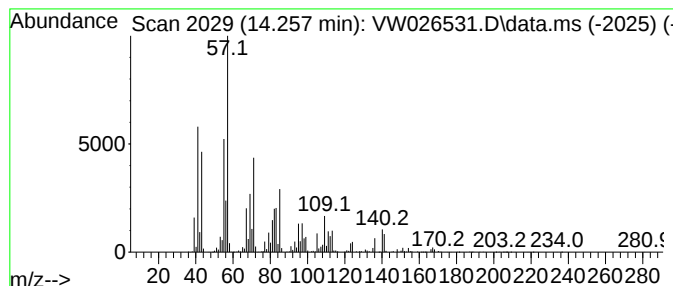
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	45.25 ug/L	1731380	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	41
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	35
3			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	27
4			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	27
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

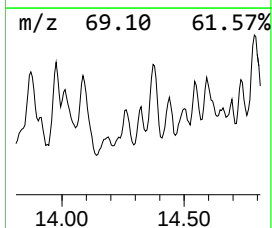
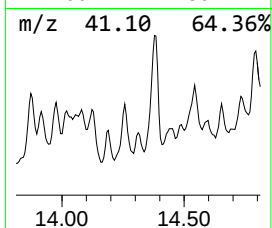
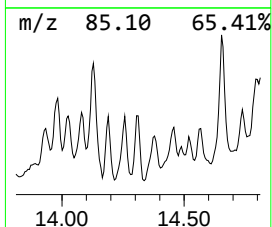
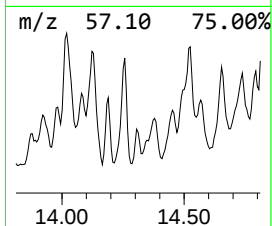
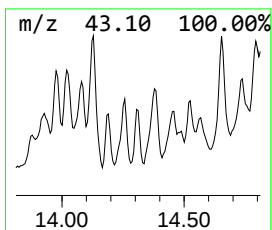
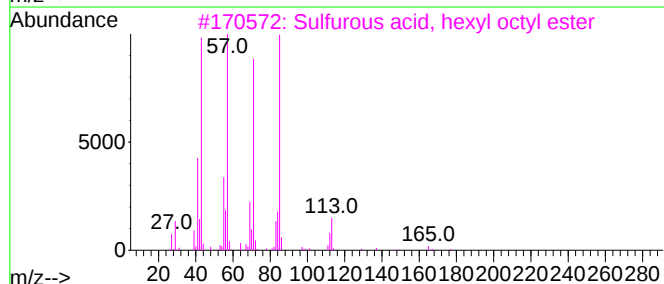
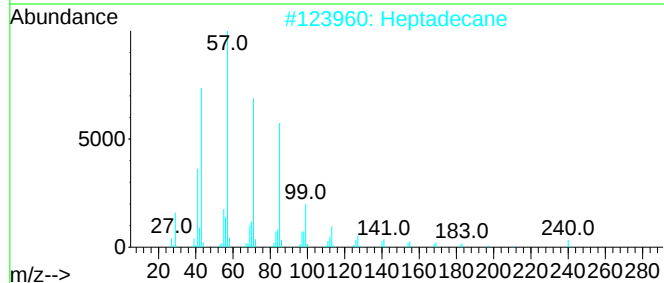
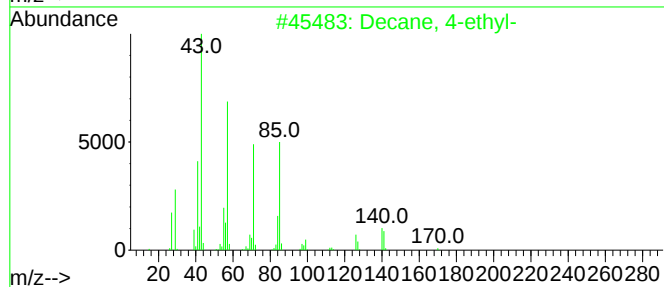
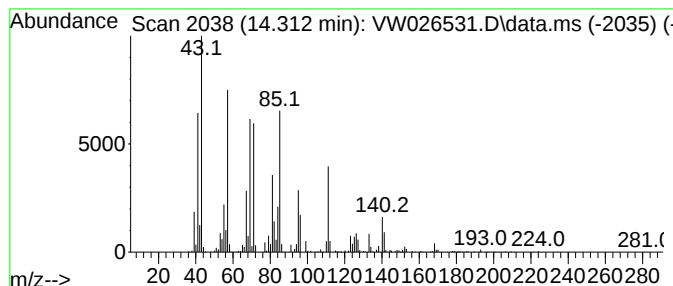
Instrument :
MSVOA_W
ClientSampleId :
A46X6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.312	17.42 ug/L	666618	1,4-Dichlorobenzene-d4			13.562
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-ethyl-		170	C12H26	001636-44-8	60
2	Heptadecane		240	C17H36	000629-78-7	35
3	Sulfurous acid, hexyl octyl ester		278	C14H30O3S	1000309-13-0	35
4	Decane, 3-bromo-		220	C10H21Br	030571-71-2	27
5	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

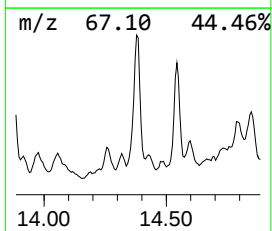
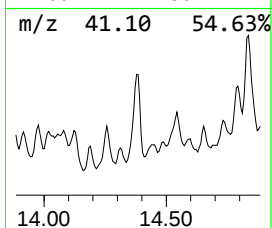
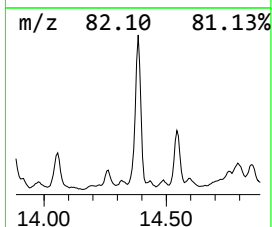
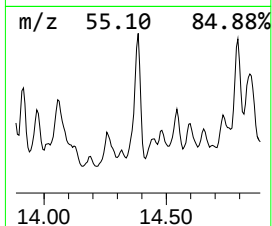
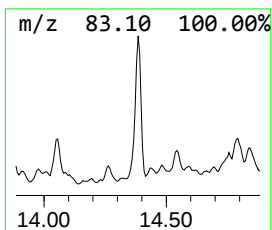
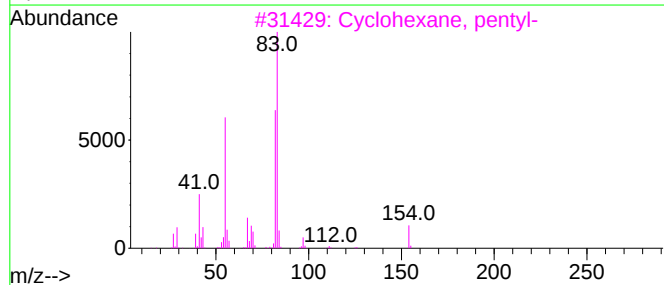
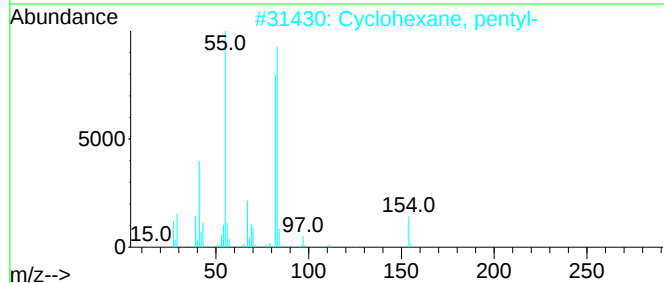
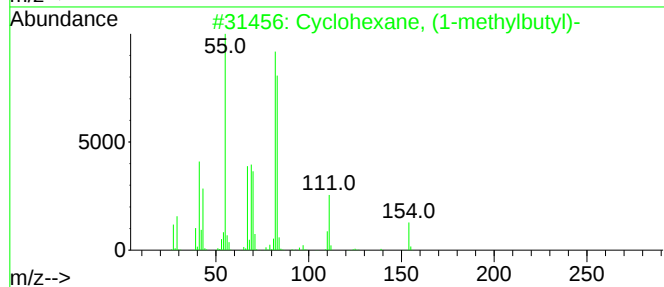
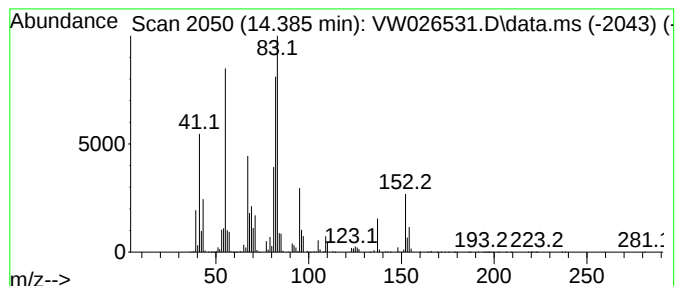
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic14.385 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	128.61 ug/L	4920630	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	68
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

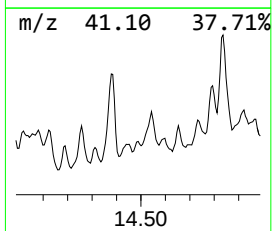
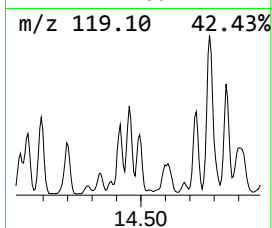
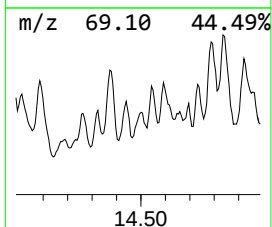
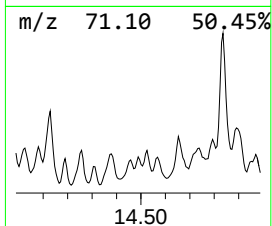
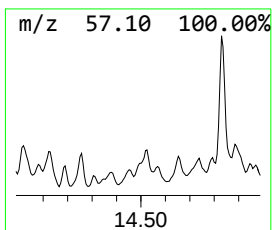
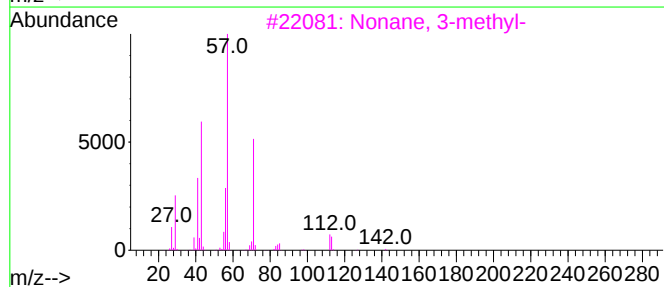
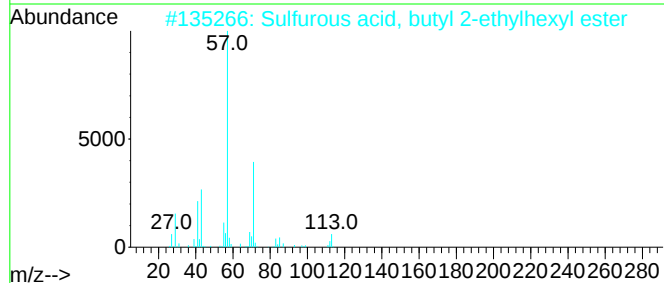
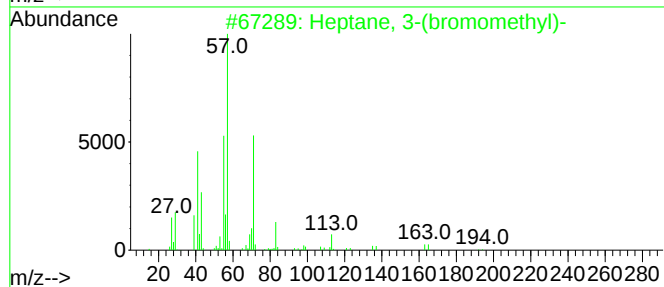
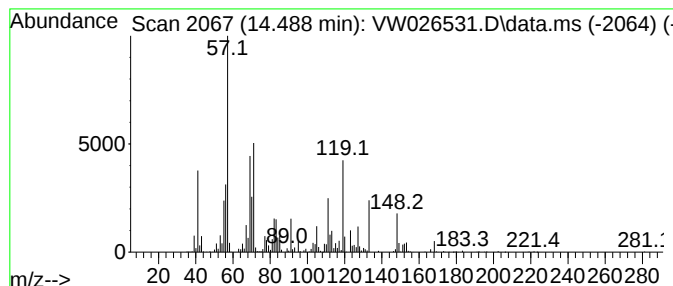
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Quant Title : SFAM01.0

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

Peak Number 25 unknown-03 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.488	16.41 ug/L	627910	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	27
2			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	22
3			Nonane, 3-methyl-	142	C10H22	005911-04-6	22
4			Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	22
5			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

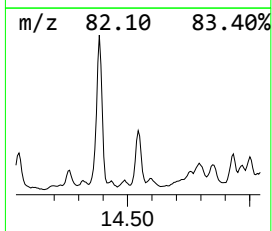
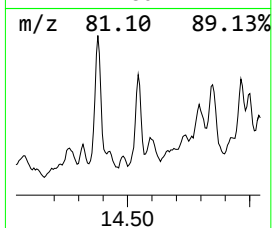
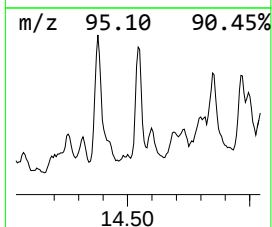
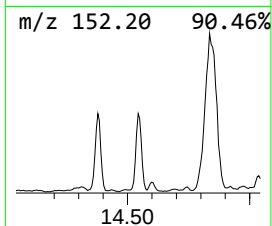
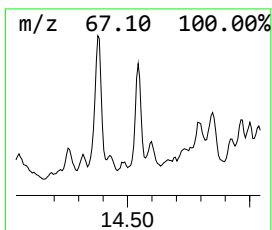
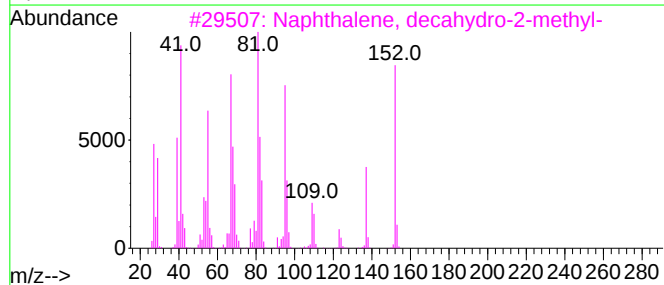
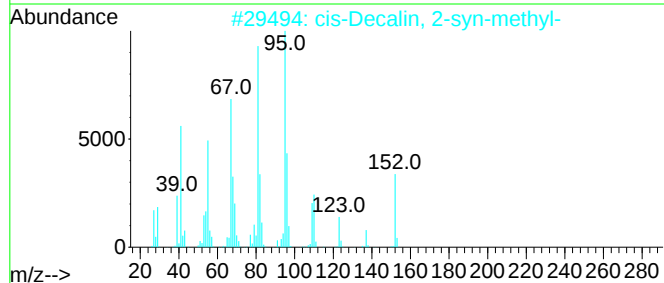
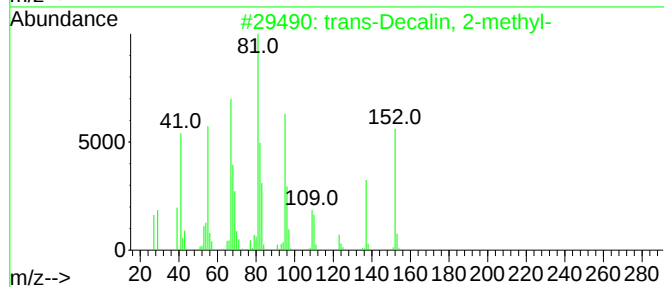
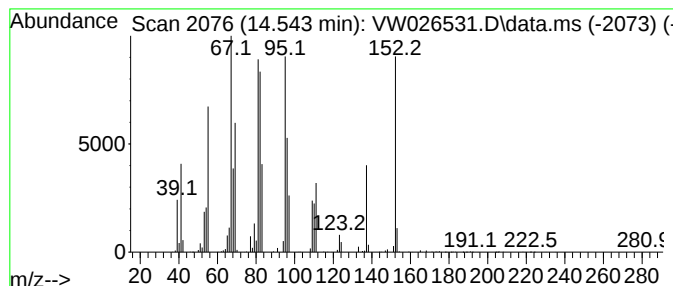
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Quant Title : SFAM01.0

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

Peak Number 26 trans-Decalin, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	47.58 ug/L	1820340	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
2			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
5			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

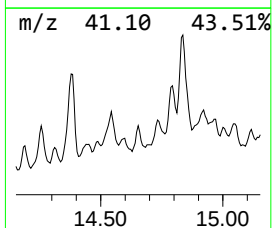
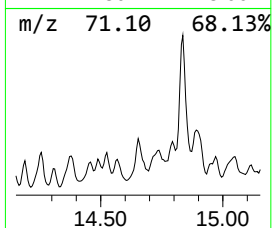
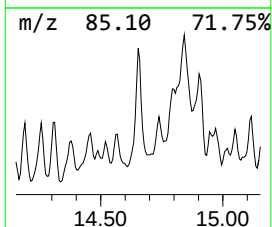
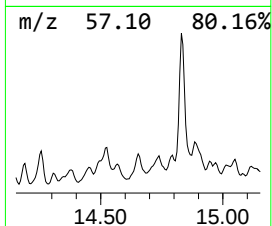
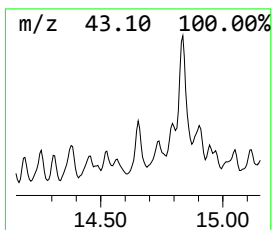
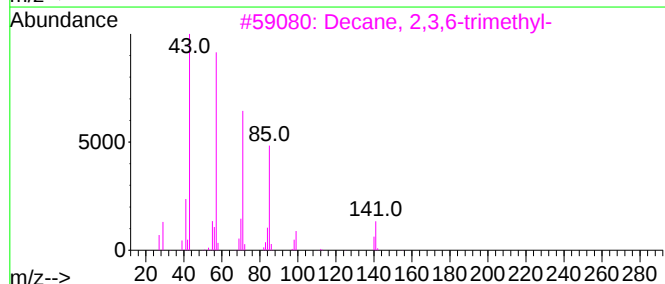
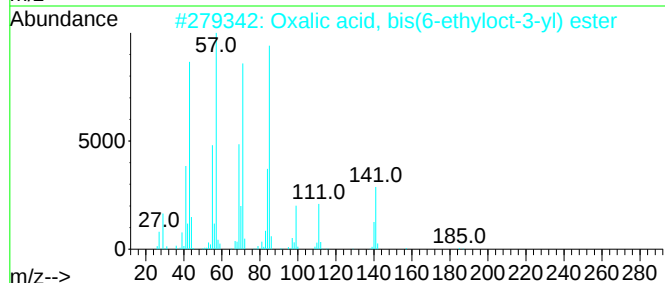
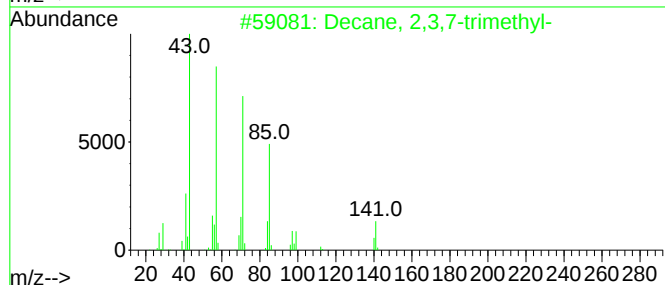
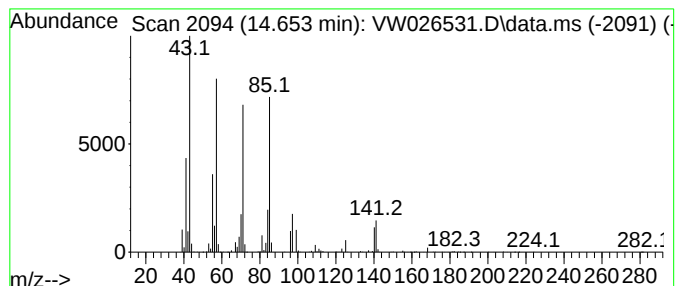
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	23.32 ug/L	892087	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	80
2			Oxalic acid, bis(6-ethyloct-3-yl...)	370	C22H42O4	1000309-34-6	72
3			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	72
4			Sulfurous acid, 2-propyl tetra...	320	C17H36O3S	1010309-12-5	50
5			Ethanone, 1-(2,2-dimethylcyclo...	140	C9H16O	003664-75-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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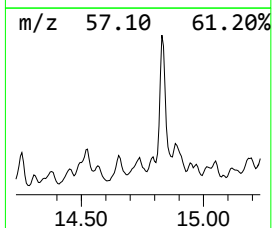
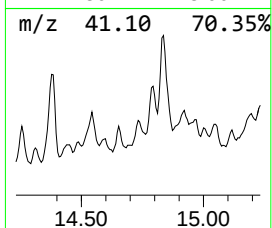
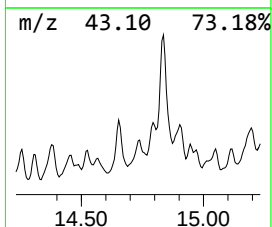
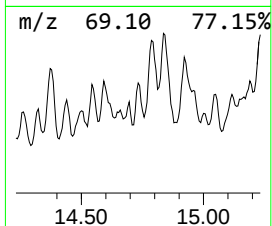
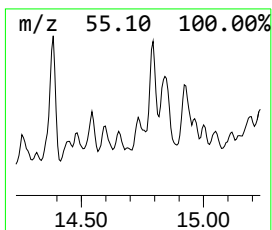
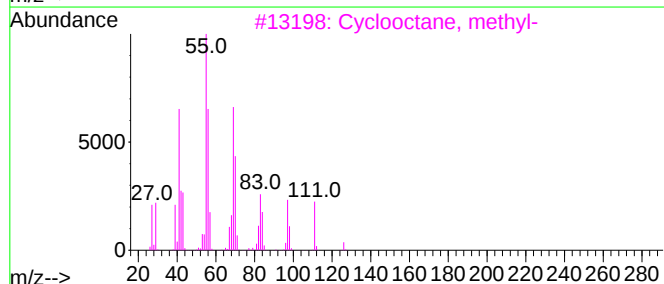
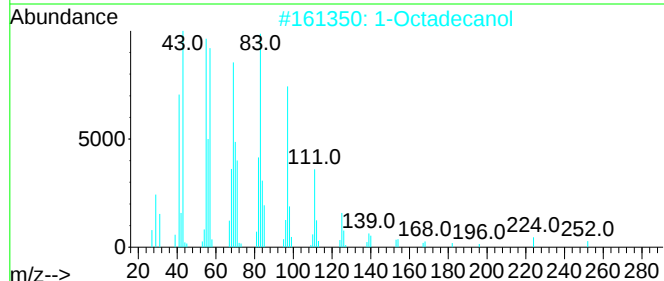
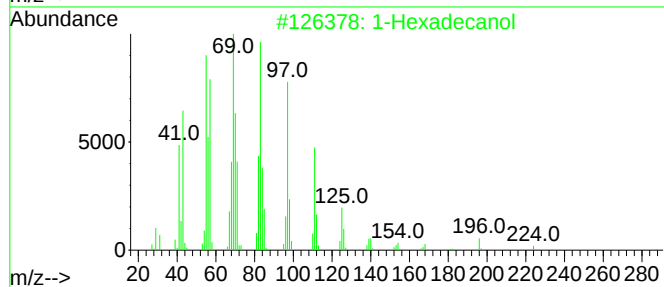
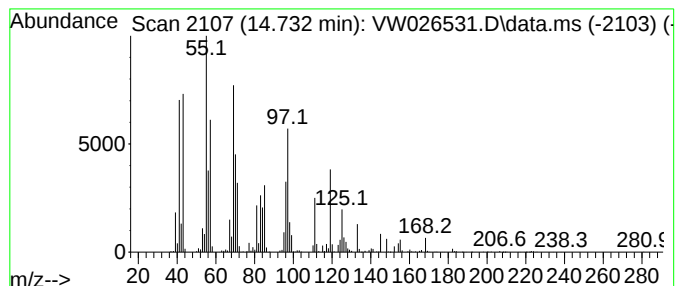
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Quant Title : SFAM01.0

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

Peak Number 28 1-Hexadecanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	35.55 ug/L	1360320	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexadecanol	242	C16H34O	036653-82-4	58
2			1-Octadecanol	270	C18H38O	000112-92-5	58
3			Cyclooctane, methyl-	126	C9H18	001502-38-1	55
4			3-Dodecene, (E)-	168	C12H24	007206-14-6	50
5			2-Undecene, 6-methyl-, (Z)-	168	C12H24	074630-43-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

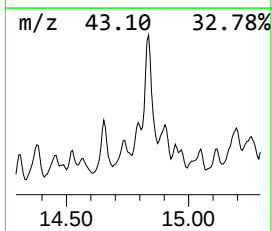
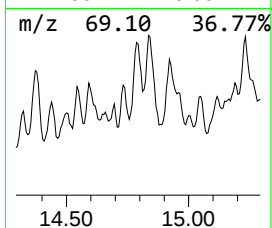
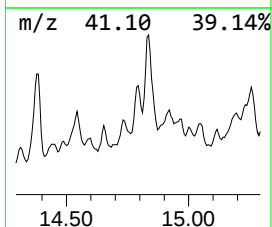
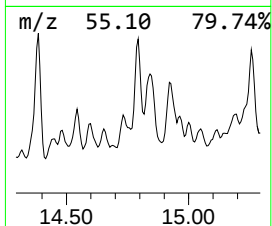
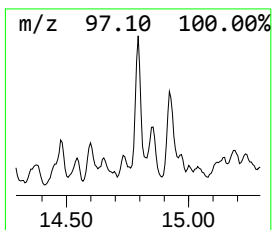
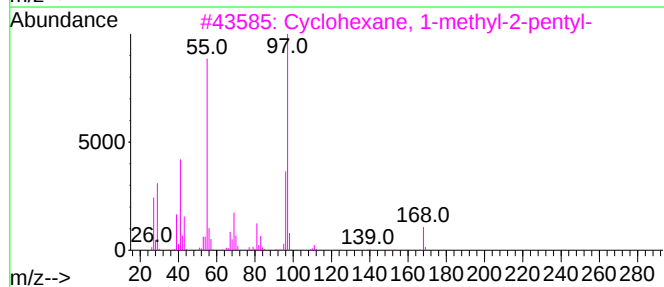
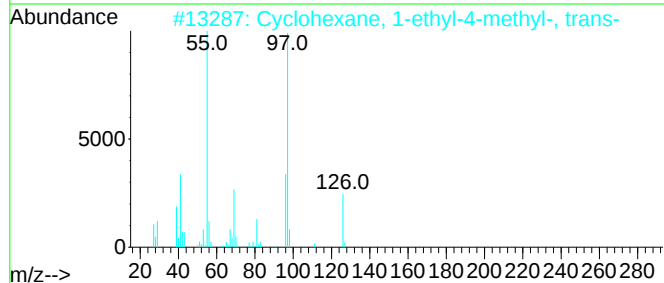
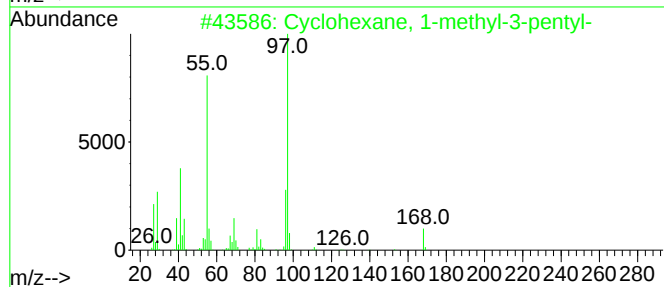
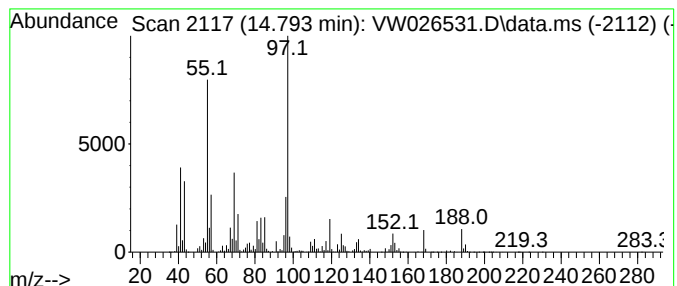
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic14.793 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	98.53 ug/L	3769850	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	64
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
3			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64
4			Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	59
5			Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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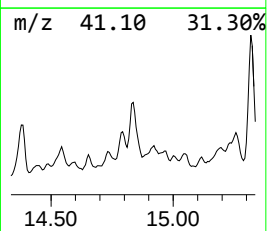
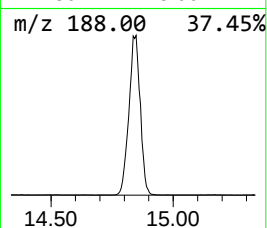
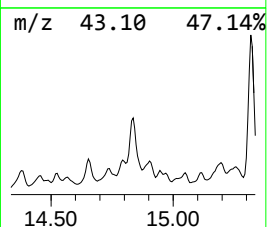
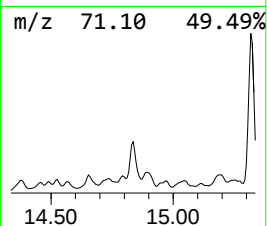
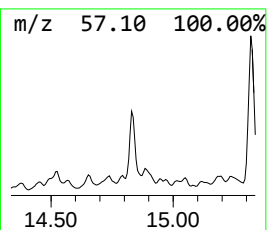
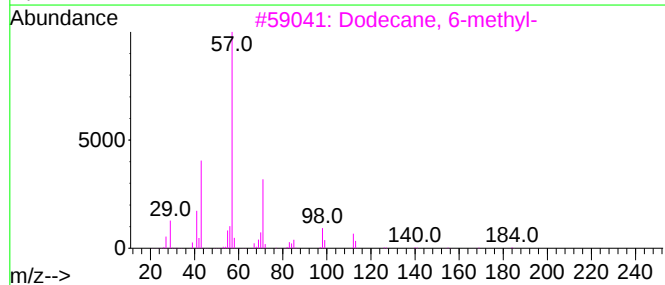
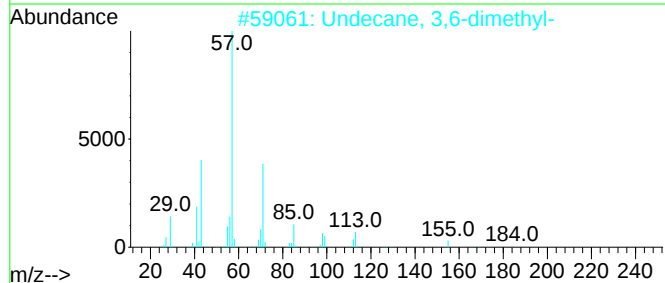
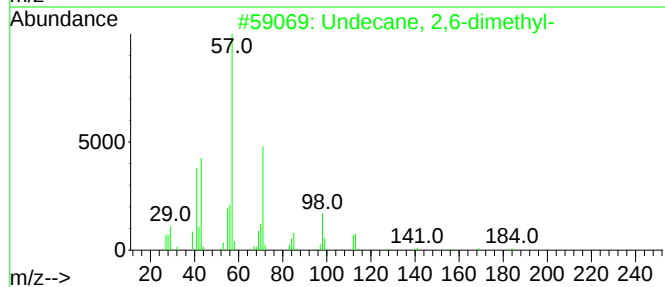
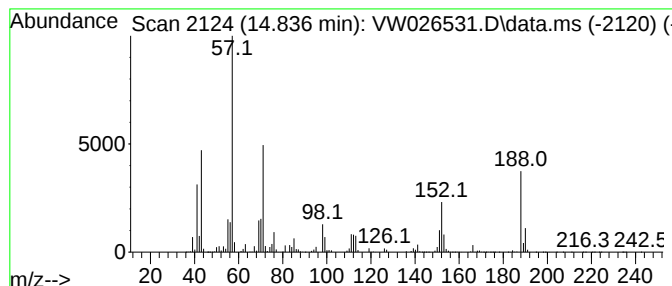
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	244.88 ug/L	9369260	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	46
2			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	46
3			Dodecane, 6-methyl-	184	C13H28	006044-71-9	35
4			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	35
5			2-Ethylbutyric acid, 2,4,4-trime...	228	C14H28O2	1000369-49-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

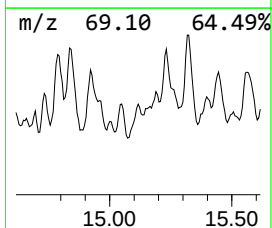
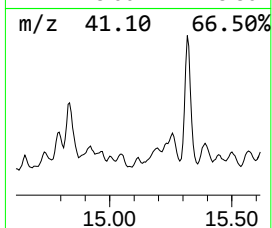
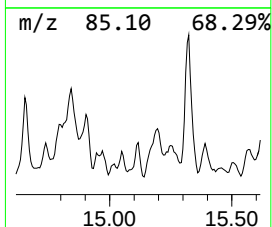
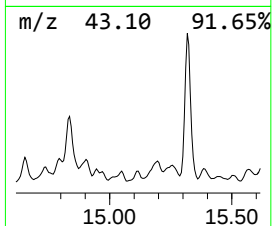
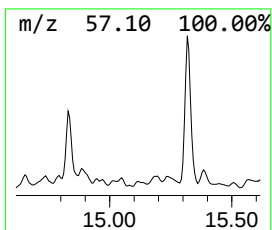
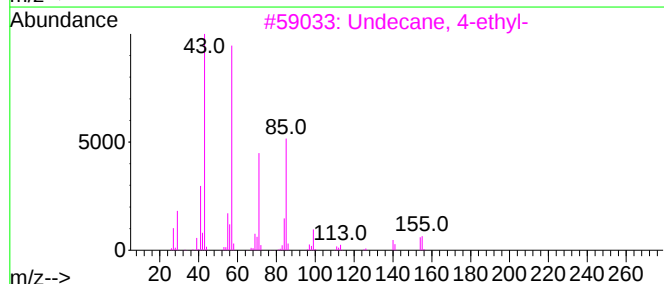
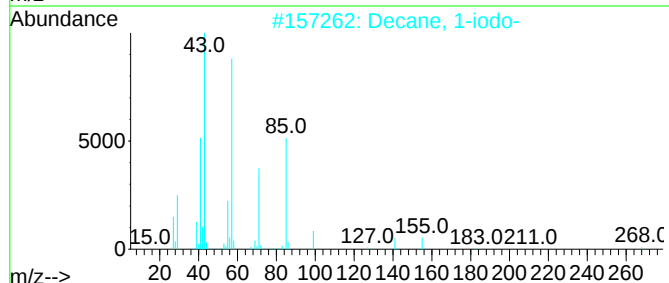
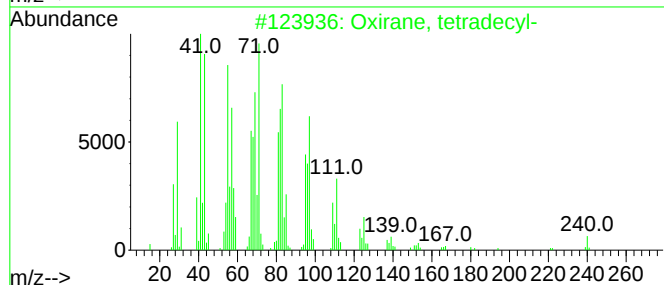
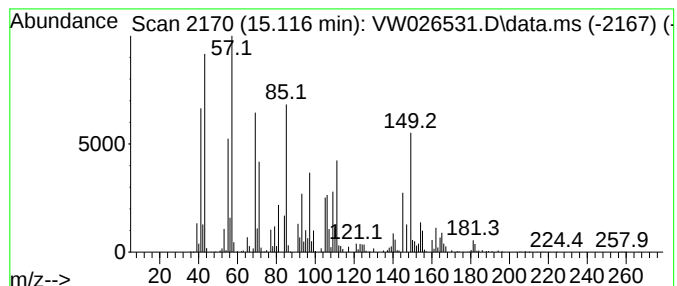
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TIC Integration Parameters: LSCINT.P

Peak Number 31 unknown-04

Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	16.63 ug/L	636110	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, tetradecyl-	240	C16H32O	007320-37-8	38
2			Decane, 1-iodo-	268	C10H21I	002050-77-3	25
3			Undecane, 4-ethyl-	184	C13H28	017312-59-3	22
4			Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	20
5			4-Methyl-5-nonanone	156	C10H20O	035900-26-6	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

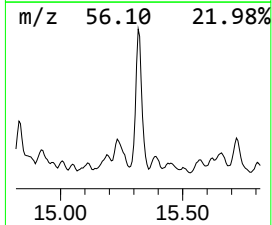
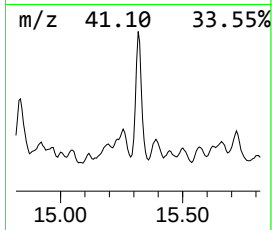
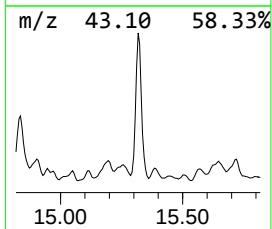
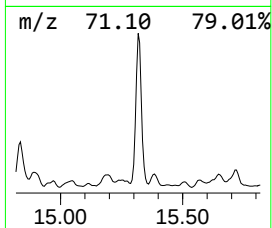
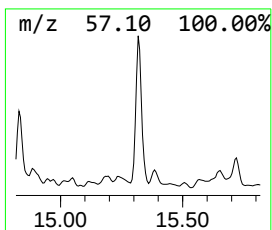
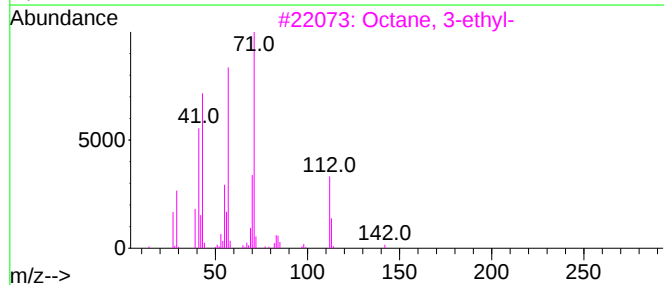
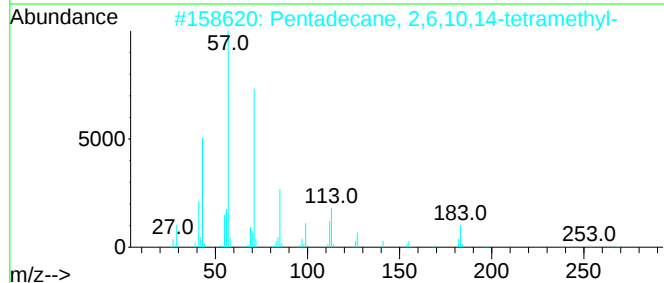
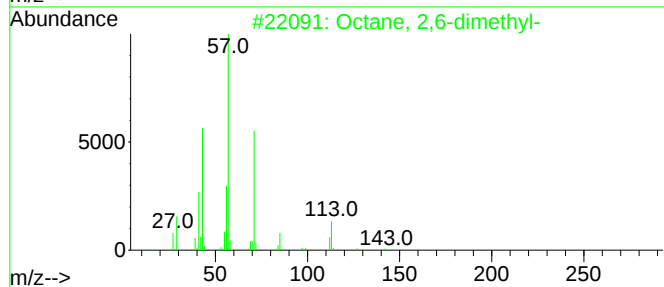
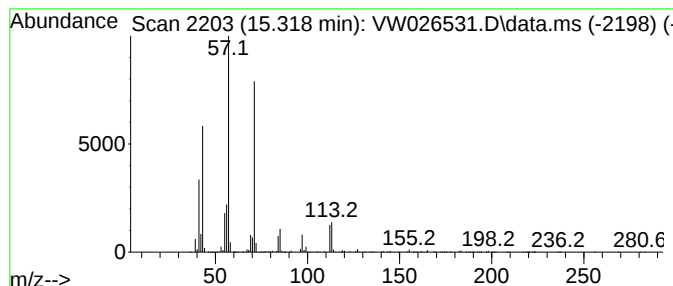
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Quant Title : SFAM01.0

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	281.86 ug/L	10784100	1,4-Dichlorobenzene-d4	13.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
3		Octane, 3-ethyl-	142	C10H22	005881-17-4	72
4		Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

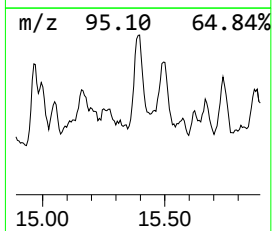
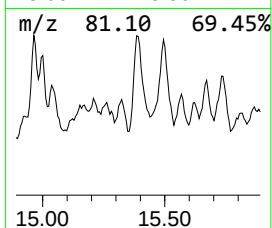
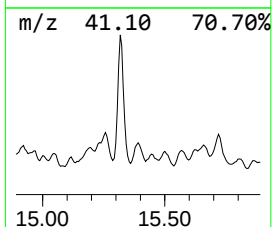
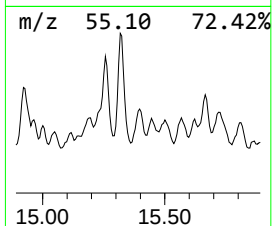
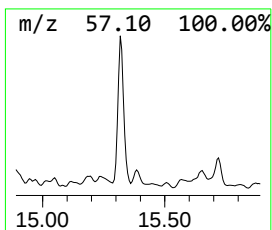
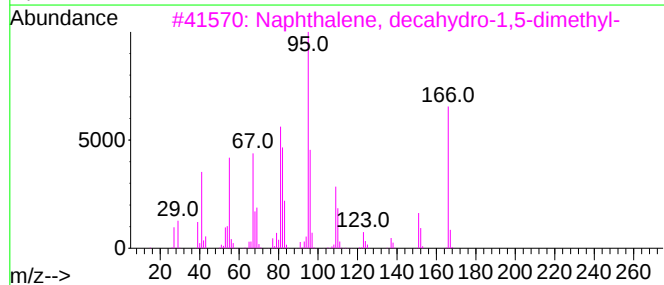
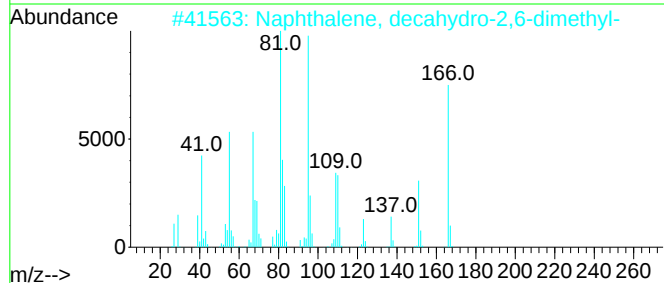
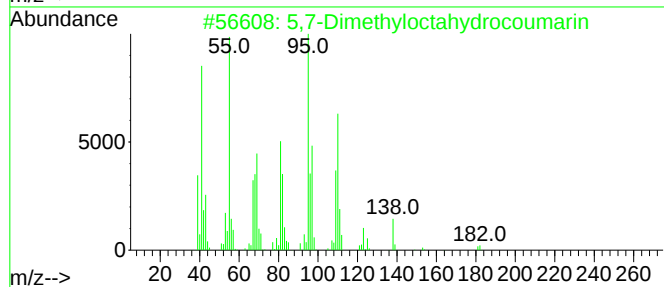
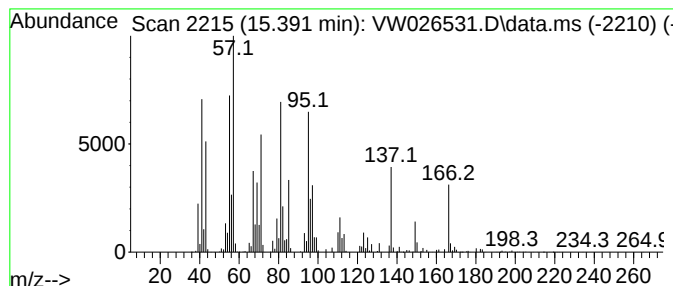
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Quant Title : SFAM01.0

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

Peak Number 33 unknown-05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	66.26 ug/L	2535080	1,4-Dichlorobenzene-d4	13.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		5,7-Dimethyloctahydrocoumarin	182	C11H18O2	1000109-81-5	42
2		Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	30
3		Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	25
4		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	25
5		Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

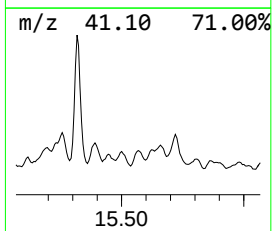
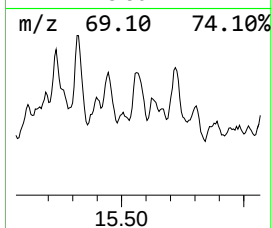
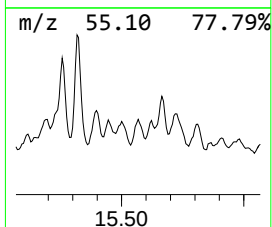
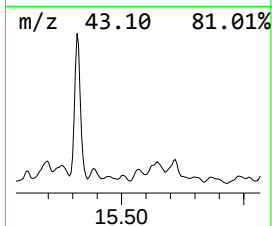
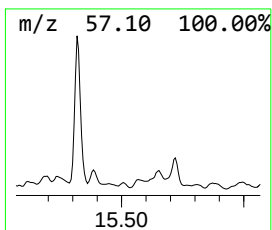
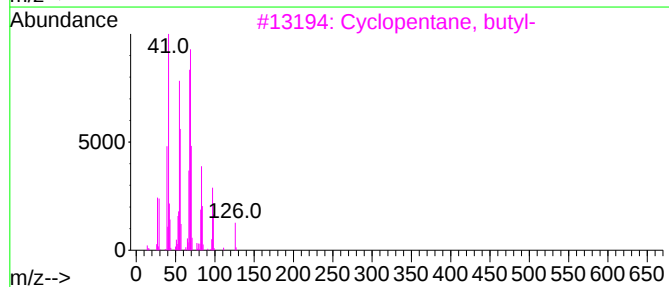
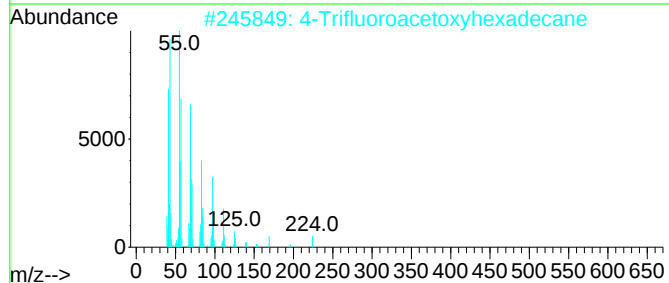
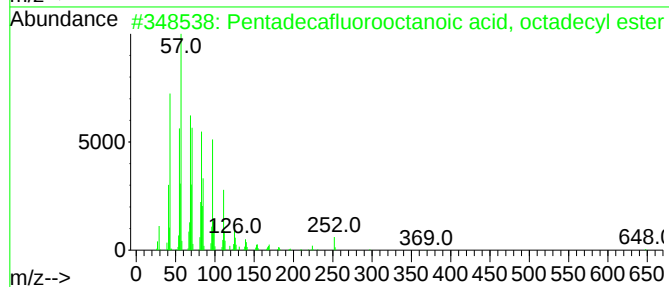
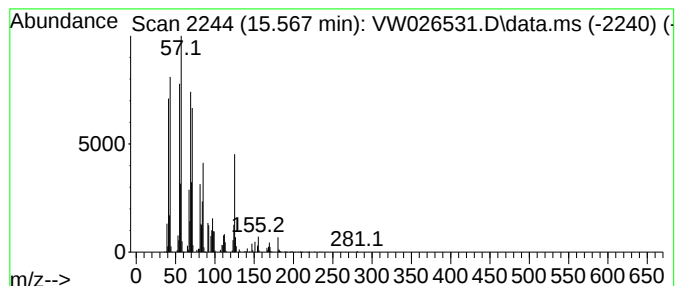
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Quant Title : SFAM01.0

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

Peak Number 34 Pentadecafluorooctanoic aci... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	32.37 ug/L	1238360	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	64
2			4-Trifluoroacetoxyhexadecane	338	C18H33F3O2	1000215-97-5	43
3			Cyclopentane, butyl-	126	C9H18	002040-95-1	38
4			1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	38
5			Cyclopentane, pentyl-	140	C10H20	003741-00-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

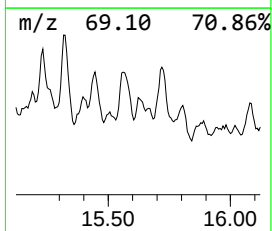
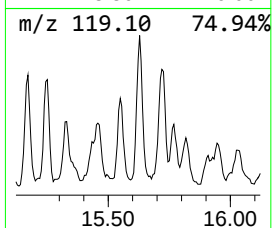
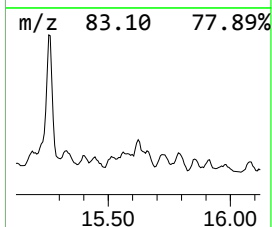
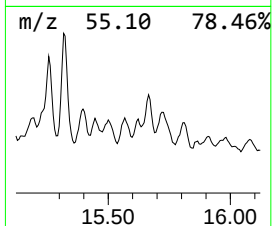
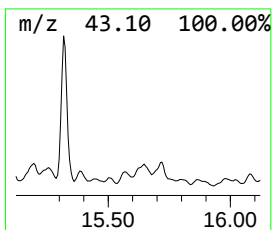
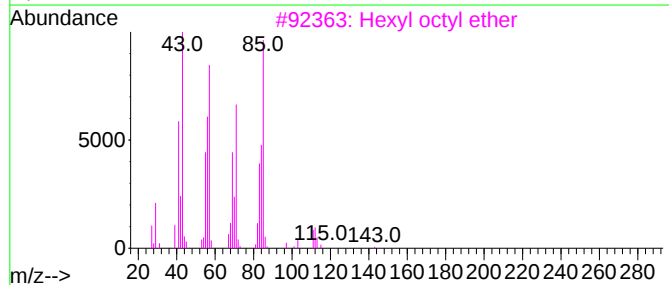
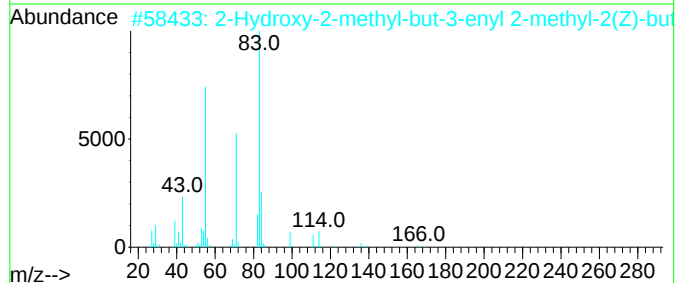
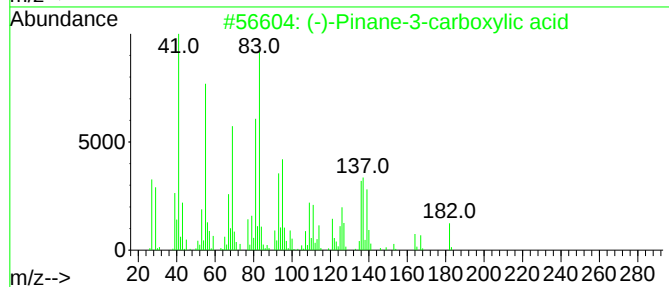
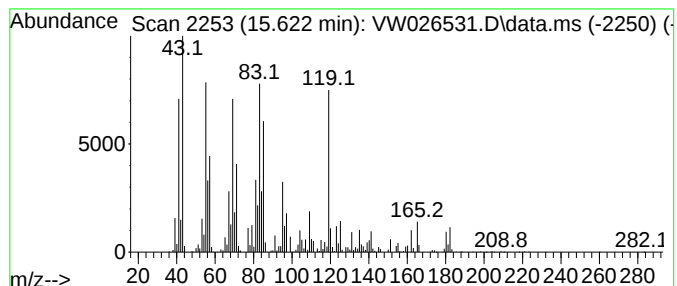
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Quant Title : SFAM01.0

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

Peak Number 35 unknown-06 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.622	23.11 ug/L	884034	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-Pinane-3-carboxylic acid	182	C11H18O2	064284-84-0	30		
2	2-Hydroxy-2-methyl-but-3-enyl 2-...	184	C10H16O3	080758-67-4	27		
3	Hexyl octyl ether	214	C14H30O	017071-54-4	25		
4	Tridecane, 5-methyl-	198	C14H30	025117-31-1	20		
5	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	15		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

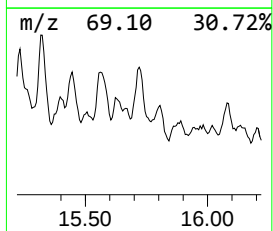
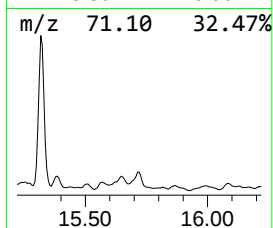
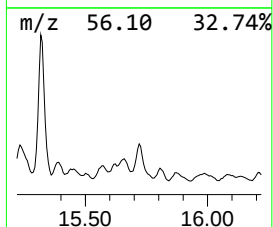
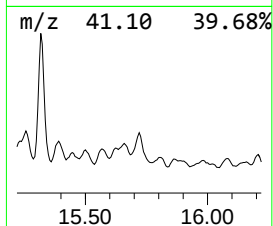
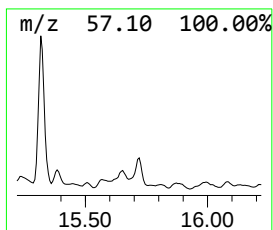
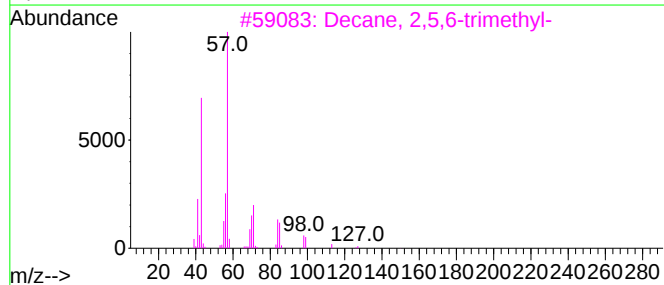
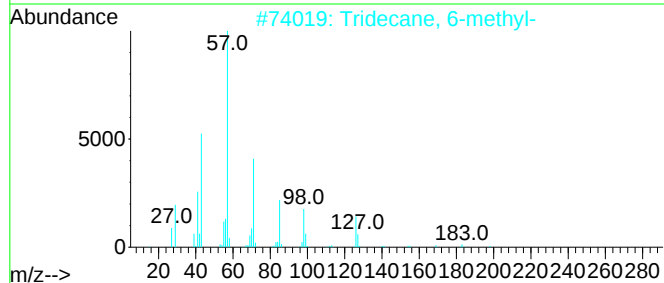
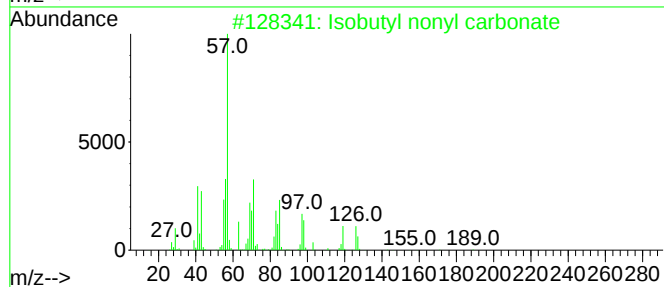
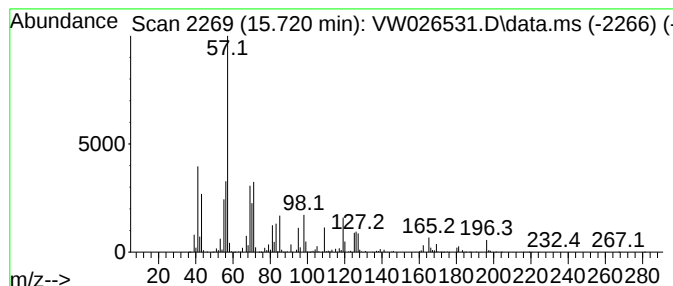
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Quant Title : SFAM01.0

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

Peak Number 36 Isobutyl nonyl carbonate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	75.72 ug/L	2896950	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	53
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
3			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
4			Tetradecanoic acid, 2-oxo-, meth...	256	C15H28O3	055682-82-1	38
5			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

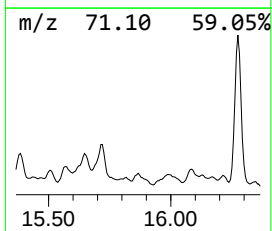
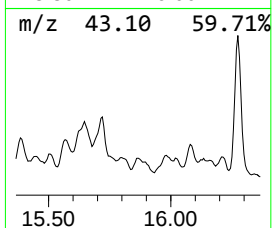
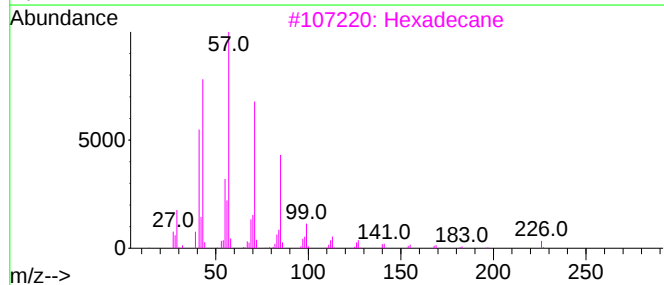
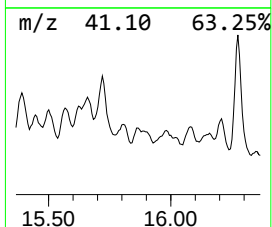
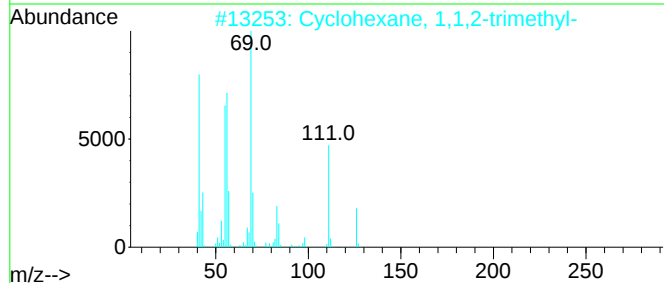
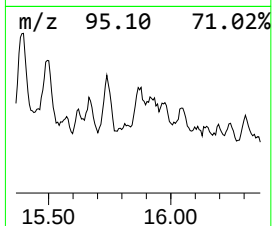
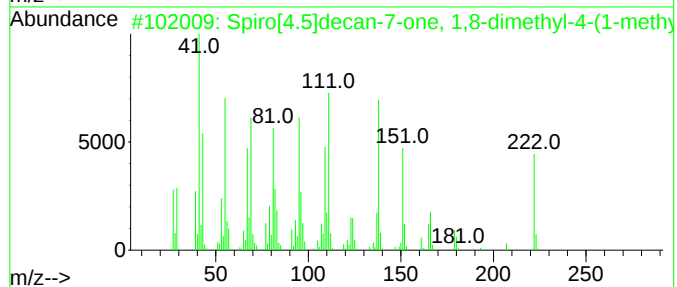
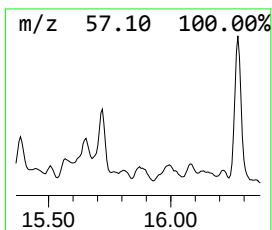
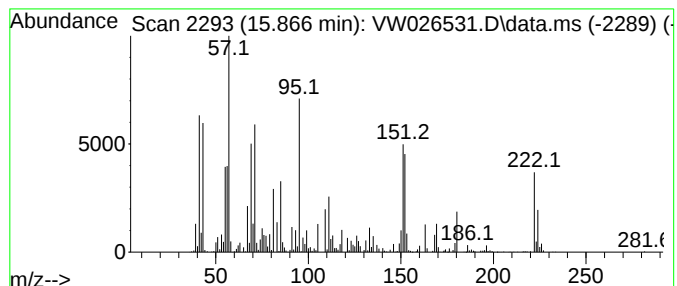
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-07 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.866	25.14 ug/L	961847	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Spiro[4.5]decan-7-one, 1,8-dimet...	222	C15H26O	039510-26-4	18
2			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	15
3			Hexadecane	226	C16H34	000544-76-3	15
4			Hexadecane	226	C16H34	000544-76-3	15
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026531.D
Acq On : 05 Jul 2023 14:31
Operator : SY/MD
Sample : 03501-11
Misc : 2.96g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X6

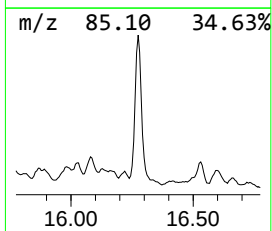
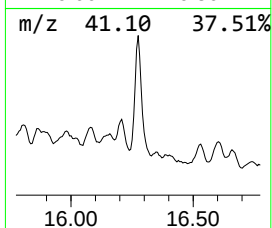
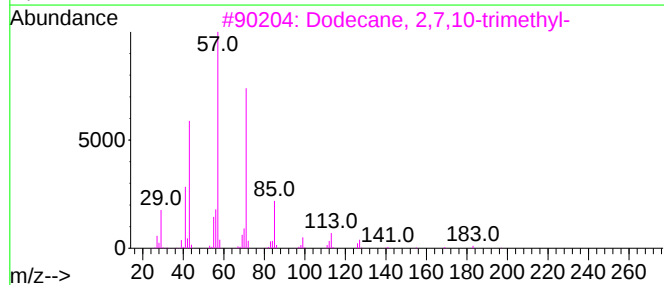
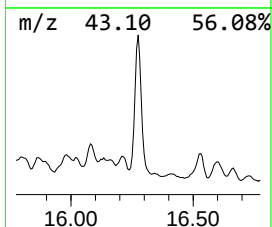
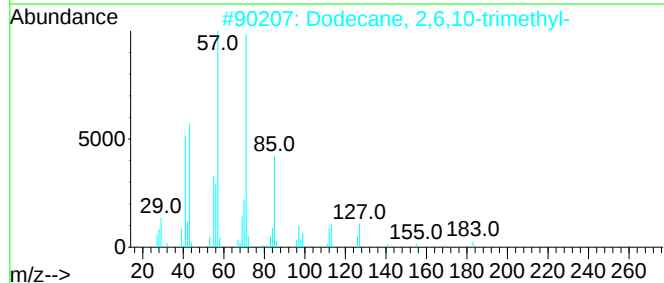
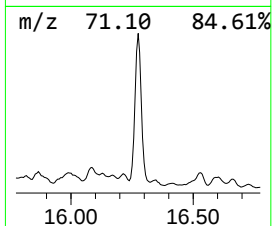
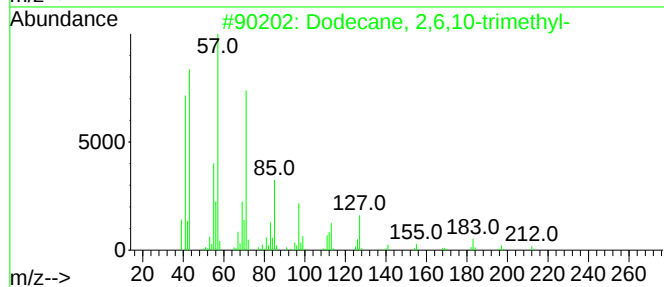
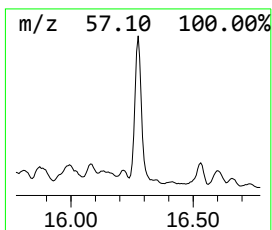
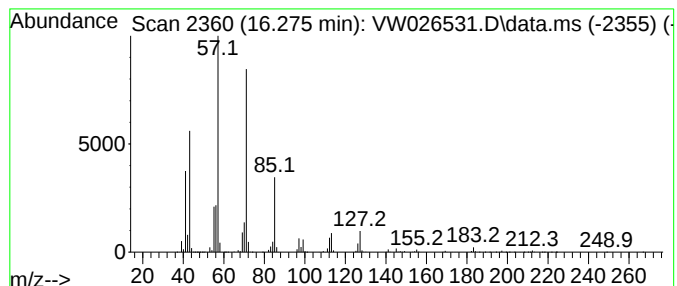
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	152.54 ug/L	5836140	1,4-Dichlorobenzene-d4	13.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
5			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
 Data File : VW026531.D
 Acq On : 05 Jul 2023 14:31
 Operator : SY/MD
 Sample : 03501-11
 Misc : 2.96g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46X6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.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: S...	11.507	2.2	ug/L	206809	2	11.629	2387230	25.0
(DEL) Alkane: C...	11.873	1.7	ug/L	158780	2	11.629	2387230	25.0
(DEL) Alkane: S...	12.062	1.9	ug/L	179501	2	11.629	2387230	25.0
(DEL) Alkane: S...	12.251	7.0	ug/L	663928	2	11.629	2387230	25.0
(DEL) Alkane: S...	12.361	19.5	ug/L	1863380	2	11.629	2387230	25.0
unknown-01	12.501	1.9	ug/L	182353	2	11.629	2387230	25.0
unknown-02	12.775	14.7	ug/L	561783	3	13.562	956508	25.0
(DEL) Alkane: C...	12.855	18.7	ug/L	716576	3	13.562	956508	25.0
1-methyl-1-cycl...	12.940	53.5	ug/L	2046590	3	13.562	956508	25.0
Oxalic acid, 6-...	13.074	15.2	ug/L	580744	3	13.562	956508	25.0
(DEL) Alkane: S...	13.123	18.0	ug/L	687183	3	13.562	956508	25.0
(DEL) Alkane: S...	13.159	17.5	ug/L	670910	3	13.562	956508	25.0
(DEL) Alkane: S...	13.342	16.3	ug/L	624720	3	13.562	956508	25.0
(DEL) Alkane: C...	13.446	59.7	ug/L	2283390	3	13.562	956508	25.0
(DEL) Alkane: C...	13.483	18.7	ug/L	713880	3	13.562	956508	25.0
(DEL) Alkane: C...	13.690	26.5	ug/L	1013790	3	13.562	956508	25.0
Sulfurous acid,...	13.915	31.3	ug/L	1198090	3	13.562	956508	25.0
(DEL) Alkane: C...	13.976	32.3	ug/L	1233740	3	13.562	956508	25.0
(DEL) Alkane: S...	14.019	20.0	ug/L	763755	3	13.562	956508	25.0
(DEL) Alkane: S...	14.190	31.8	ug/L	1215900	3	13.562	956508	25.0
(DEL) Alkane: S...	14.257	45.3	ug/L	1731380	3	13.562	956508	25.0
(DEL) Alkane: S...	14.312	17.4	ug/L	666618	3	13.562	956508	25.0
(DEL) Alkane: C...	14.385	128.6	ug/L	4920630	3	13.562	956508	25.0
unknown-03	14.488	16.4	ug/L	627910	3	13.562	956508	25.0
trans-Decalin, ...	14.543	47.6	ug/L	1820340	3	13.562	956508	25.0
(DEL) Alkane: S...	14.653	23.3	ug/L	892087	3	13.562	956508	25.0
1-Hexadecanol	14.732	35.5	ug/L	1360320	3	13.562	956508	25.0
(DEL) Alkane: C...	14.793	98.5	ug/L	3769850	3	13.562	956508	25.0
(DEL) Alkane: S...	14.836	244.9	ug/L	9369260	3	13.562	956508	25.0
unknown-04	15.116	16.6	ug/L	636110	3	13.562	956508	25.0
(DEL) Alkane: S...	15.318	281.9	ug/L	10784100	3	13.562	956508	25.0
unknown-05	15.391	66.3	ug/L	2535080	3	13.562	956508	25.0
Pentadecafluoro...	15.568	32.4	ug/L	1238360	3	13.562	956508	25.0
unknown-06	15.622	23.1	ug/L	884034	3	13.562	956508	25.0
Isobutyl nonyl ...	15.720	75.7	ug/L	2896950	3	13.562	956508	25.0
unknown-07	15.866	25.1	ug/L	961847	3	13.562	956508	25.0
(DEL) Alkane: S...	16.275	152.5	ug/L	5836140	3	13.562	956508	25.0