

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026456.D
 Acq On : 30 Jun 2023 00:51
 Operator : SY/MD
 Sample : 03452-13
 Misc : 3.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46P3

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VW026456.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	39	42	45	rBV3	4224	6914	0.17%	0.026%
2	2.210	50	53	55	rBV4	4762	6723	0.17%	0.026%
3	2.362	71	78	90	rBV	123013	303855	7.51%	1.156%
4	2.893	157	165	180	rVB	136463	389160	9.62%	1.480%
5	3.277	226	228	230	rBV3	2183	2153	0.05%	0.008%
6	3.387	240	246	252	rVB3	5675	14258	0.35%	0.054%
7	3.460	256	258	260	rBV3	1824	1470	0.04%	0.006%
8	3.502	262	265	266	rBV3	1557	1447	0.04%	0.006%
9	3.527	266	269	276	rVV9	1792	2718	0.07%	0.010%
10	3.722	297	301	305	rBV7	2719	4363	0.11%	0.017%
11	3.838	318	320	322	rBV2	1951	2107	0.05%	0.008%
12	3.880	325	327	329	rBV3	1710	1613	0.04%	0.006%
13	4.021	337	350	360	rBV	252277	797403	19.72%	3.033%
14	4.118	360	366	374	rVB	64061	168288	4.16%	0.640%
15	4.374	402	408	409	rBV5	5628	7368	0.18%	0.028%
16	4.393	409	411	416	rVV6	6292	9116	0.23%	0.035%
17	4.600	440	445	447	rBV6	3779	5308	0.13%	0.020%
18	4.649	451	453	454	rVV2	1587	1461	0.04%	0.006%
19	4.685	454	459	462	rVV6	2902	5387	0.13%	0.020%
20	4.716	462	464	469	rVB7	1601	2233	0.06%	0.008%
21	4.777	472	474	476	rBV3	1237	1706	0.04%	0.006%
22	4.911	483	496	497	rBV3	20695	46275	1.14%	0.176%
23	5.057	518	520	524	rBV5	1341	2114	0.05%	0.008%
24	5.301	555	560	562	rBV6	1954	2606	0.06%	0.010%
25	5.380	571	573	577	rBV5	1347	1797	0.04%	0.007%
26	5.563	599	603	605	rVB5	1158	1464	0.04%	0.006%
27	5.606	608	610	612	rVB3	2212	1640	0.04%	0.006%
28	5.636	612	615	616	rBV3	1621	1532	0.04%	0.006%
29	5.764	634	636	638	rBV2	1892	1744	0.04%	0.007%
30	5.813	643	644	648	rVB4	1308	1532	0.04%	0.006%
31	5.935	658	664	666	rBV4	7907	13472	0.33%	0.051%
32	6.179	702	704	707	rVB4	1308	1393	0.03%	0.005%
33	6.234	711	713	716	rVB3	1731	2216	0.05%	0.008%
34	6.276	716	720	721	rBV4	1644	2227	0.06%	0.008%
35	6.301	723	724	728	rVB4	1445	1559	0.04%	0.006%
36	6.368	733	735	737	rVB3	1604	1495	0.04%	0.006%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026456.D
 Acq On : 30 Jun 2023 00:51
 Operator : SY/MD
 Sample : 03452-13
 Misc : 3.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46P3

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

37	6.526	759	761	764	rVB3	1149	1548	0.04%	0.006%
38	6.703	786	790	791	rVB4	1292	1518	0.04%	0.006%
39	6.740	794	796	801	rVB6	1077	1403	0.03%	0.005%
40	6.788	801	804	808	rBV6	1543	2036	0.05%	0.008%
41	6.868	816	817	820	rBV3	1710	1556	0.04%	0.006%
42	7.014	838	841	843	rVB4	1136	1368	0.03%	0.005%
43	7.081	843	852	861	rBV3	57556	209160	5.17%	0.796%
44	7.166	862	866	883	rVB2	29651	88716	2.19%	0.337%
45	7.282	883	885	889	rBV5	1641	1515	0.04%	0.006%
46	7.648	934	945	958	rVB	450050	1089782	26.95%	4.145%
47	7.746	958	961	962	rBV3	1907	2033	0.05%	0.008%
48	7.922	988	990	992	rBV3	1861	1735	0.04%	0.007%
49	7.989	999	1001	1003	rBV3	2202	1830	0.05%	0.007%
50	8.154	1026	1028	1034	rBV6	2056	3101	0.08%	0.012%
51	8.276	1037	1048	1064	rBV2	882451	2654411	65.64%	10.096%
52	8.398	1064	1068	1070	rVV5	2591	2873	0.07%	0.011%
53	8.642	1106	1108	1111	rVB4	1354	1349	0.03%	0.005%
54	8.697	1111	1117	1121	rBV8	3064	7796	0.19%	0.030%
55	8.843	1129	1141	1155	rBV	1188907	2365130	58.49%	8.996%
56	8.965	1160	1161	1164	rVB3	2026	1739	0.04%	0.007%
57	9.081	1174	1180	1190	rVB3	4695	12217	0.30%	0.046%
58	9.270	1202	1211	1225	rBV	787141	1639364	40.54%	6.235%
59	9.477	1243	1245	1248	rVB4	1652	1630	0.04%	0.006%
60	9.611	1263	1267	1269	rVB5	1737	2247	0.06%	0.009%
61	9.642	1269	1272	1273	rBV3	2436	2311	0.06%	0.009%
62	9.660	1273	1275	1280	rVB6	2167	3483	0.09%	0.013%
63	9.745	1286	1289	1290	rBV3	2384	2807	0.07%	0.011%
64	9.806	1298	1299	1303	rVB4	2548	2204	0.05%	0.008%
65	9.855	1303	1307	1308	rBV4	2975	3413	0.08%	0.013%
66	9.885	1310	1312	1314	rVV2	3167	2412	0.06%	0.009%
67	9.953	1319	1323	1326	rVB5	2176	2710	0.07%	0.010%
68	10.032	1329	1336	1344	rBV	260822	481906	11.92%	1.833%
69	10.129	1350	1352	1360	rVB9	4019	6352	0.16%	0.024%
70	10.215	1362	1366	1369	rBV5	4539	7400	0.18%	0.028%
71	10.324	1376	1384	1391	rBV	1356138	2462368	60.89%	9.366%
72	10.501	1408	1413	1418	rVB3	12028	20026	0.50%	0.076%
73	10.574	1418	1425	1434	rBV	162190	290060	7.17%	1.103%
74	10.666	1438	1440	1441	rVV2	3582	3277	0.08%	0.012%
75	10.702	1441	1446	1451	rVV3	17771	34955	0.86%	0.133%
76	10.757	1453	1455	1460	rVB5	5836	9119	0.23%	0.035%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026456.D
 Acq On : 30 Jun 2023 00:51
 Operator : SY/MD
 Sample : 03452-13
 Misc : 3.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46P3

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

77	10.928	1476	1483	1498	rBV3	250057	587536	14.53%	2.235%
78	11.355	1534	1553	1560	rBV6	53898	325660	8.05%	1.239%
79	11.629	1590	1598	1608	rBV	1341737	2322821	57.44%	8.835%
80	12.519	1742	1744	1748	rVB3	16360	17645	0.44%	0.067%
81	12.598	1750	1757	1765	rVB5	55865	136022	3.36%	0.517%
82	12.690	1766	1772	1779	rBV	434832	758788	18.76%	2.886%
83	12.775	1783	1786	1792	rVB5	38791	61984	1.53%	0.236%
84	12.873	1796	1802	1803	rBV5	30378	57948	1.43%	0.220%
85	12.964	1806	1817	1819	rBV7	151842	471100	11.65%	1.792%
86	13.293	1867	1871	1875	rVB	57511	78351	1.94%	0.298%
87	13.409	1886	1890	1892	rBV2	51974	74248	1.84%	0.282%
88	13.556	1908	1914	1919	rBV	761898	1227729	30.36%	4.670%
89	13.696	1933	1937	1941	rVB3	48340	77316	1.91%	0.294%
90	13.848	1957	1962	1971	rBV	582160	1144509	28.30%	4.353%
91	14.183	2014	2017	2021	rBV2	68225	95690	2.37%	0.364%
92	14.257	2025	2029	2035	rVB4	125059	213234	5.27%	0.811%
93	14.318	2035	2039	2043	rBV5	61911	114358	2.83%	0.435%
94	14.379	2045	2049	2053	rVB2	121997	185455	4.59%	0.705%
95	14.488	2064	2067	2069	rBV3	84354	123359	3.05%	0.469%
96	14.732	2105	2107	2111	rVB2	75426	82556	2.04%	0.314%
97	14.842	2113	2125	2135	rBV2	1233576	4043834	100.00%	15.381%
98	15.336	2201	2206	2210	rVB2	137238	248611	6.15%	0.946%
99	15.391	2210	2215	2220	rBV5	155318	348115	8.61%	1.324%
100	15.567	2240	2244	2249	rBV4	106090	245651	6.07%	0.934%

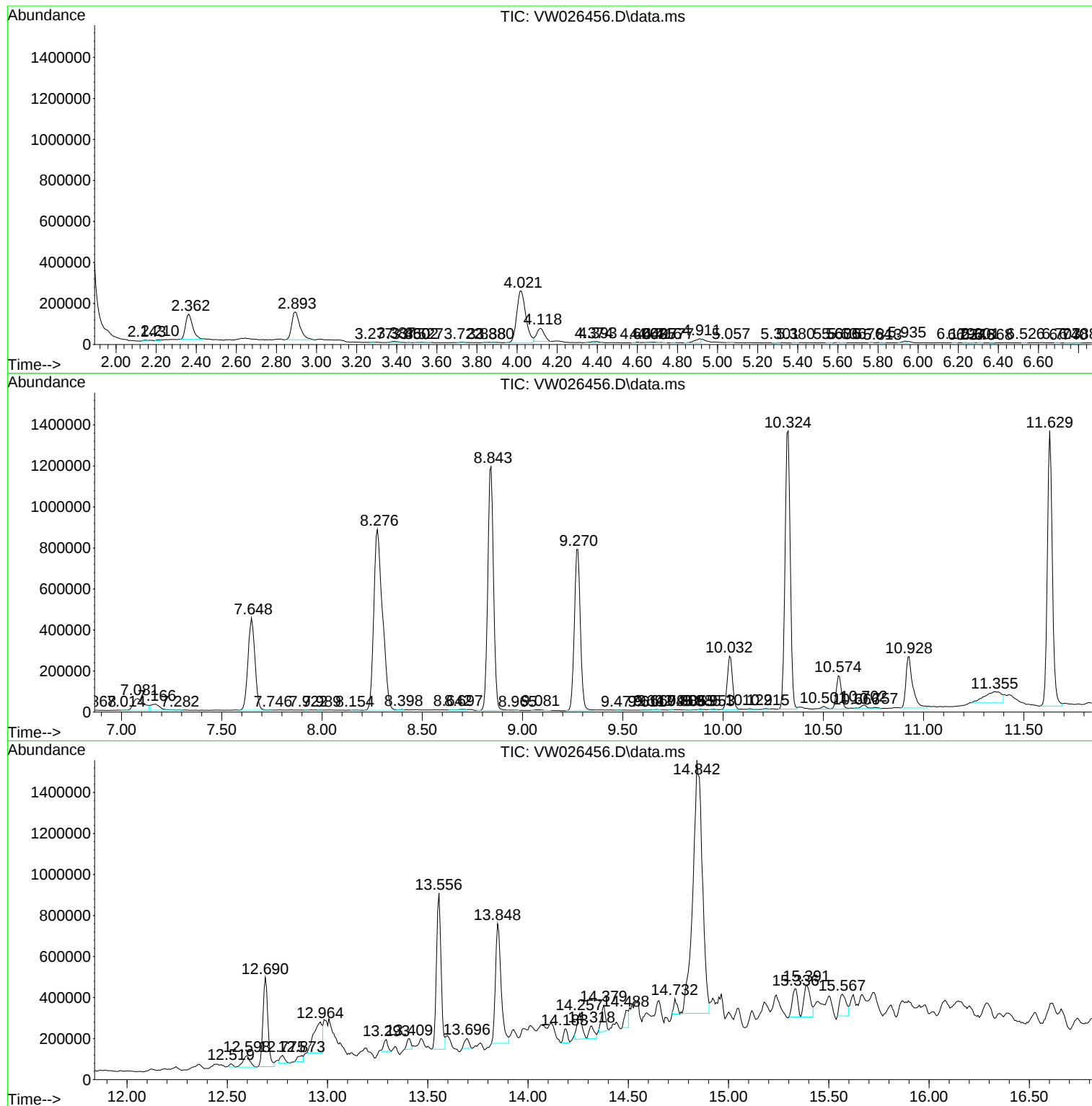
Sum of corrected areas: 26291497

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

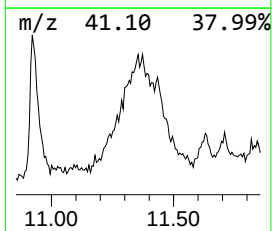
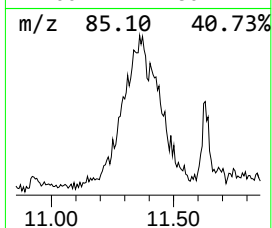
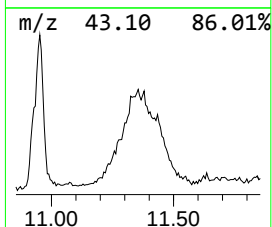
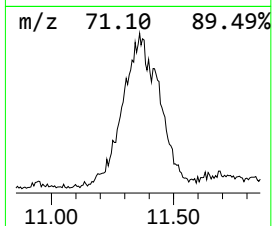
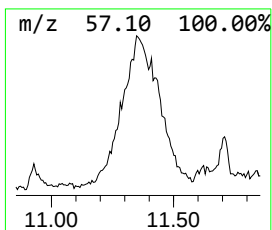
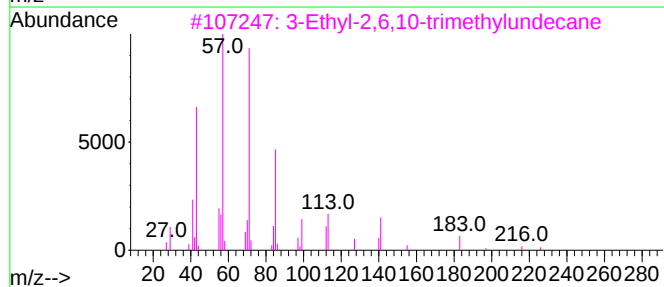
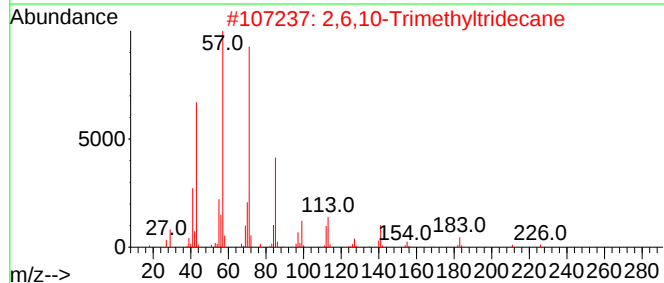
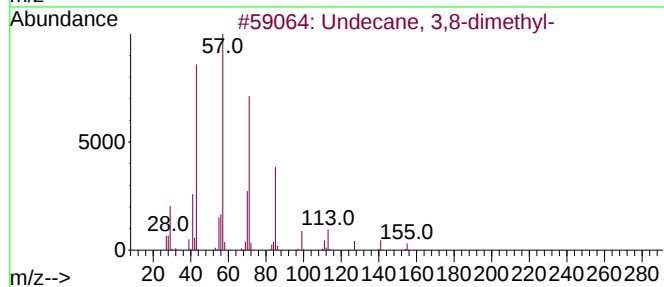
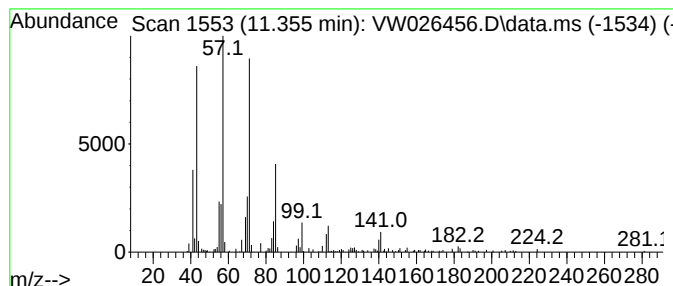
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.355	3.51 ug/L	325660	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	83
2			2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	83
3			3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
4			Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	78
5			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

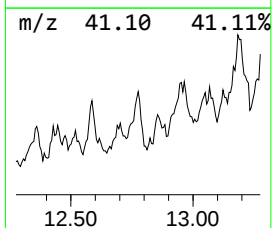
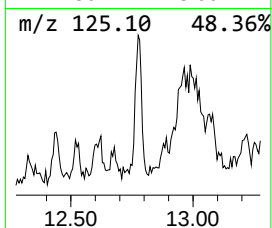
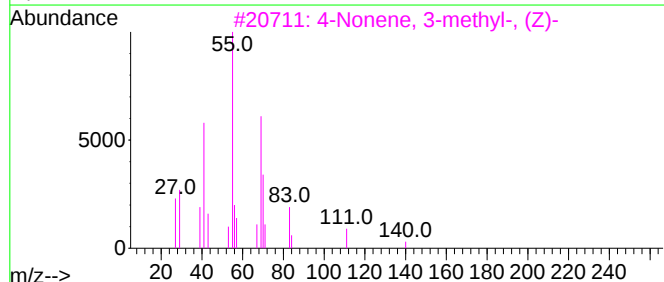
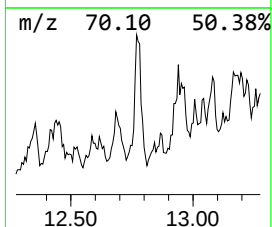
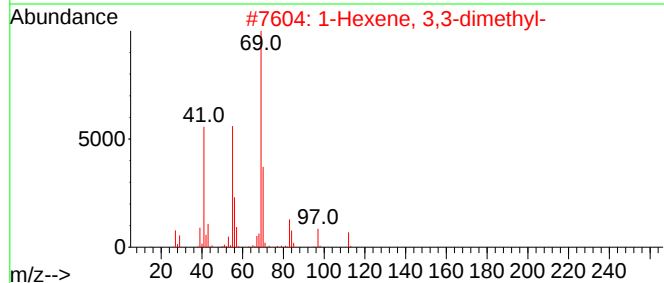
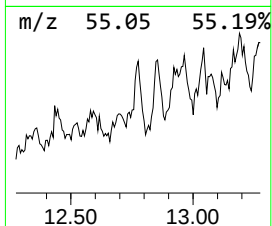
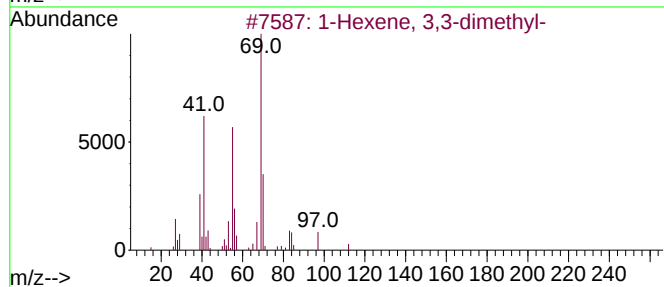
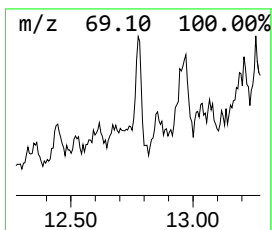
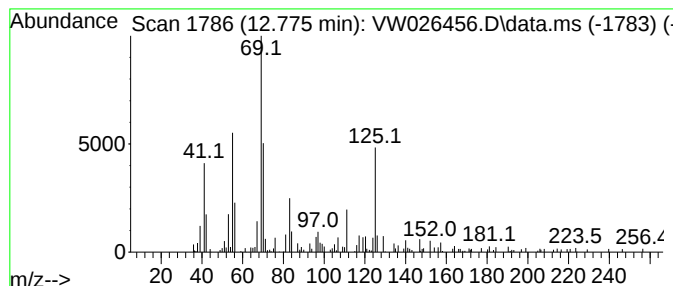
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	1.26 ug/L	61984	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	53
2			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	53
3			4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	50
4			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	43
5			2-Methylthiolane, S,S-dioxide	134	C5H10O2S	001003-46-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

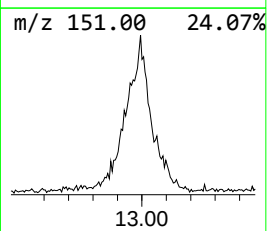
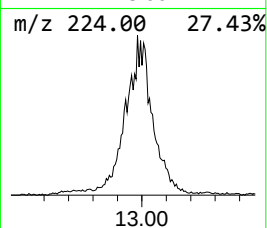
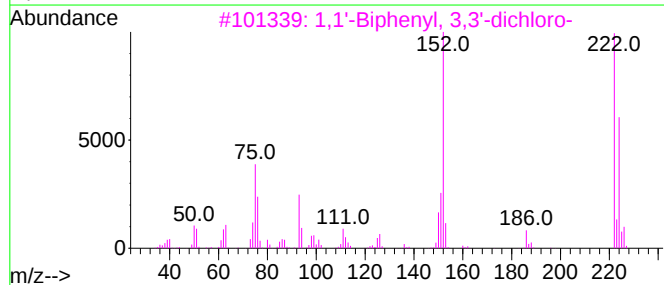
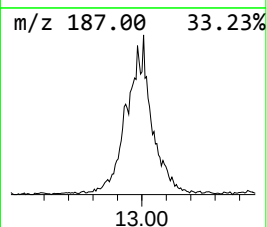
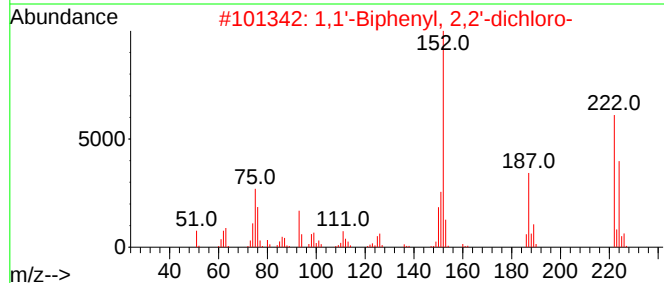
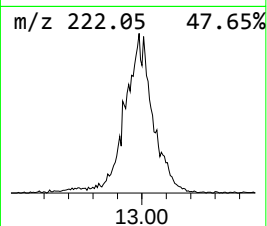
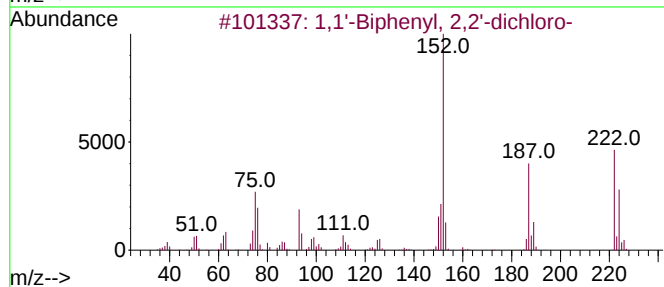
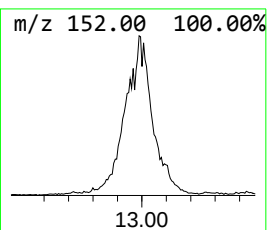
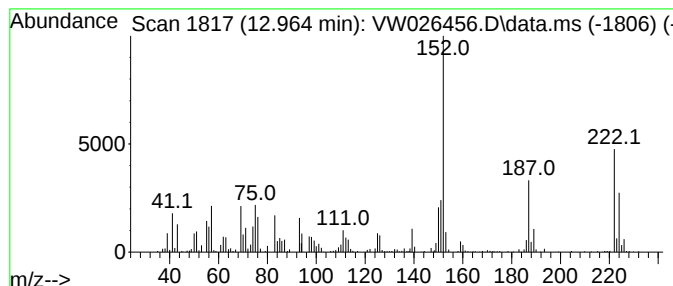
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.964	9.59 ug/L	471100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98
2			1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97
3			1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	96
4			1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	96
5			1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

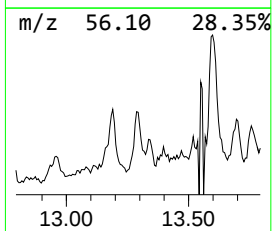
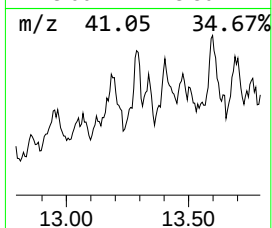
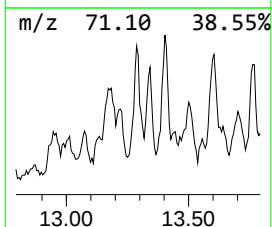
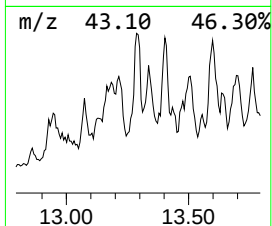
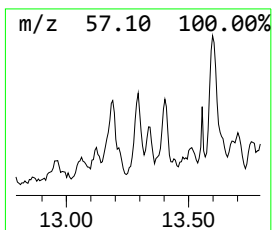
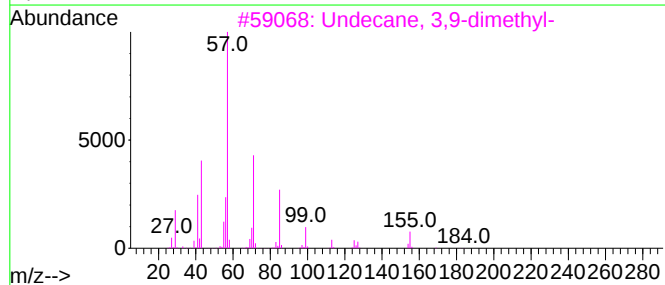
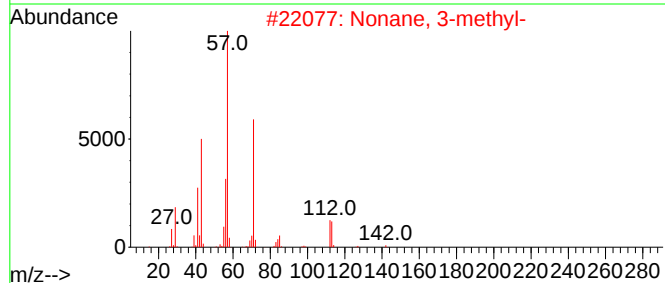
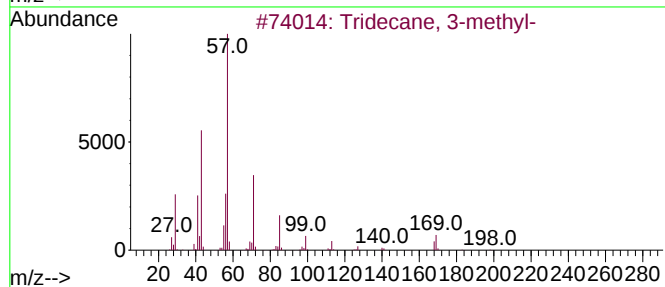
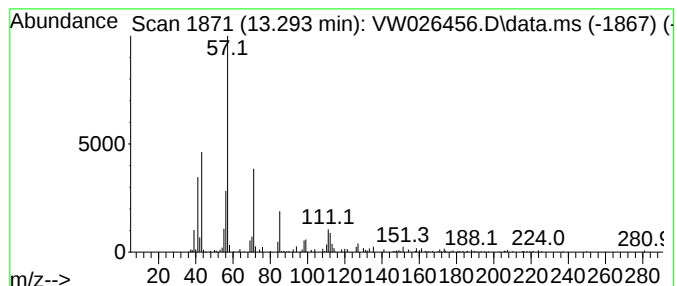
Instrument :
MSVOA_W
ClientSampleId :
A46P3

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

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.293	1.60 ug/L	78351	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
3	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	59
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	52
5	Tridecane	184	C13H28	000629-50-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

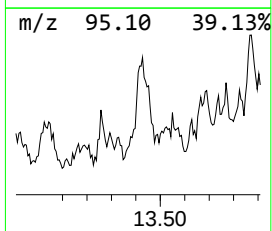
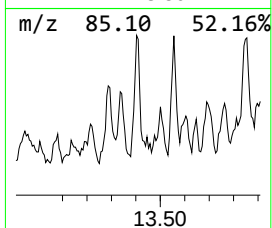
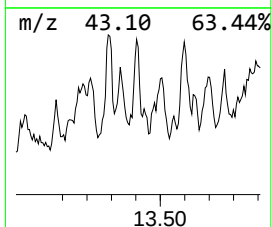
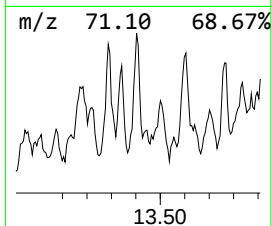
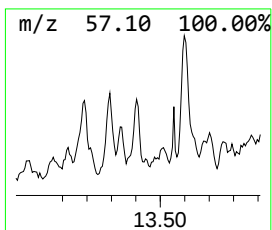
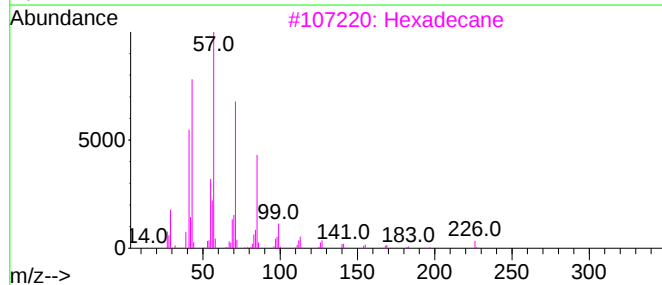
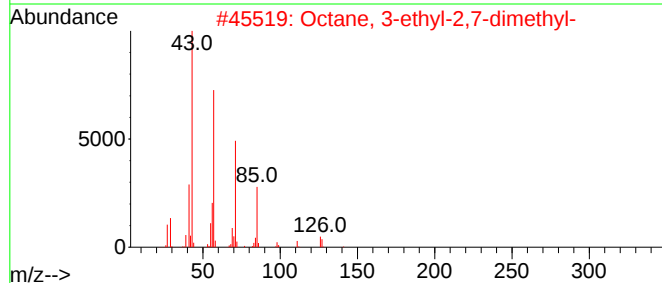
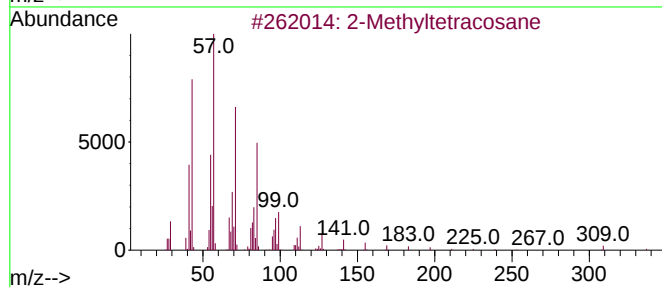
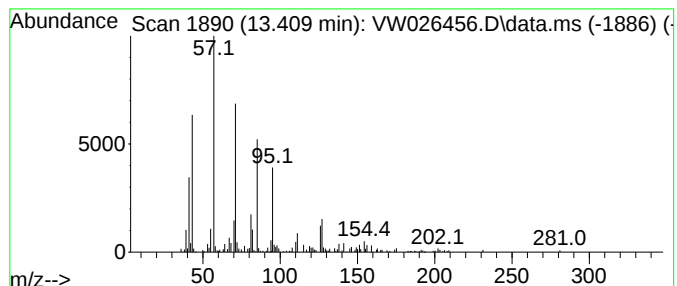
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.409	1.51 ug/L	74248	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Methyltetracosane	352	C25H52	001560-78-7	50
2		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	50
3		Hexadecane	226	C16H34	000544-76-3	47
4		Decane, 3-methyl-	156	C11H24	013151-34-3	43
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

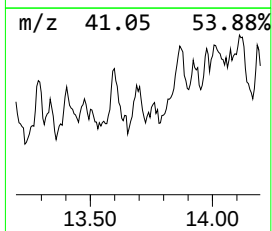
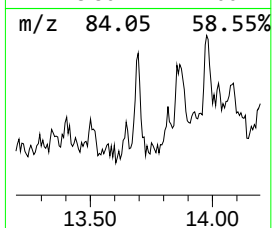
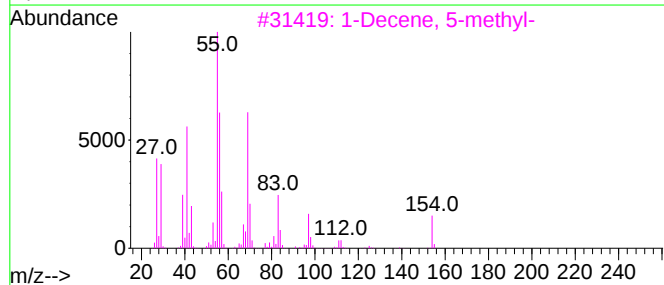
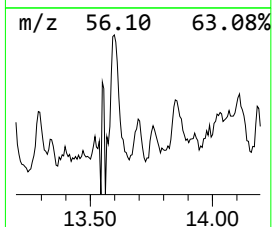
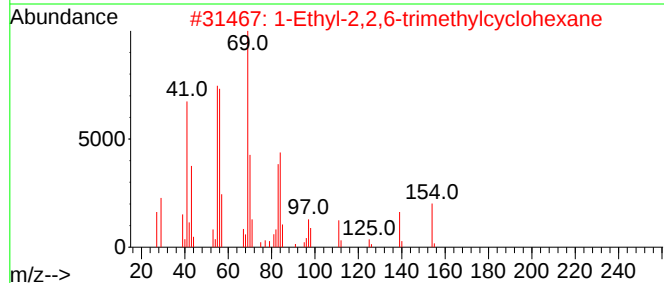
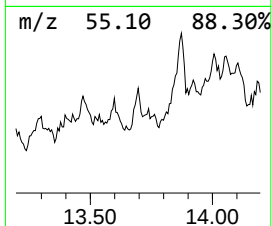
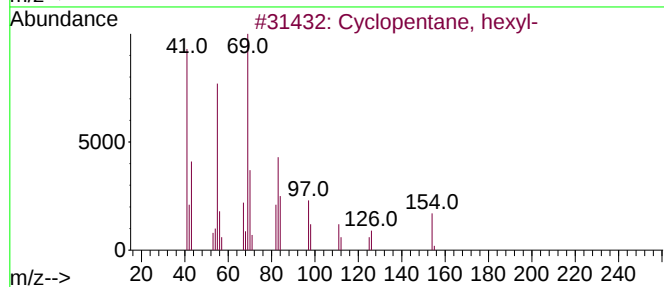
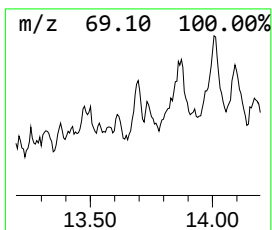
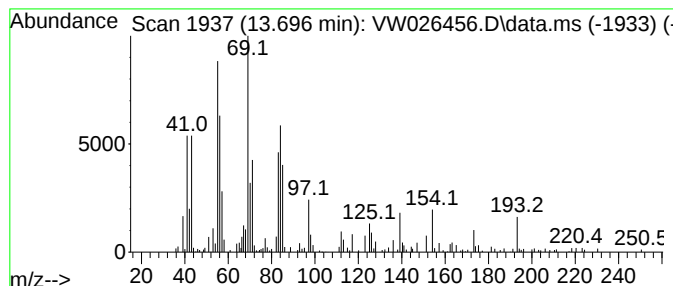
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic13.696 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.696	1.57 ug/L	77316	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, hexyl-	154	C11H22	004457-00-5	50
2			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	49
3			1-Decene, 5-methyl-	154	C11H22	054244-79-0	43
4			Decane, 4-methylene-	154	C11H22	024949-41-5	43
5			1-Undecene, 8-methyl-	168	C12H24	074630-40-3	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

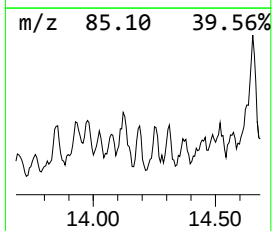
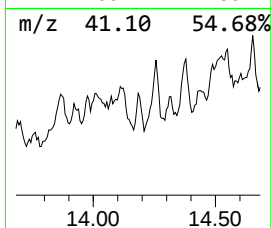
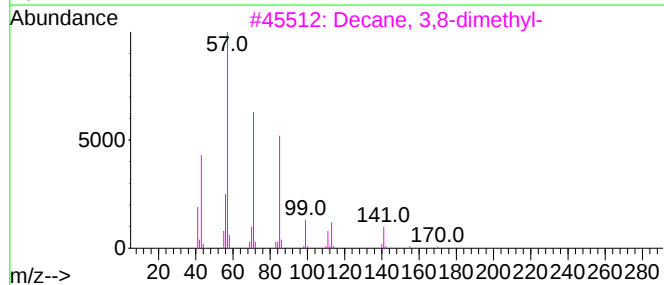
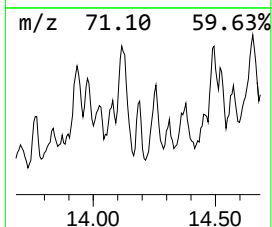
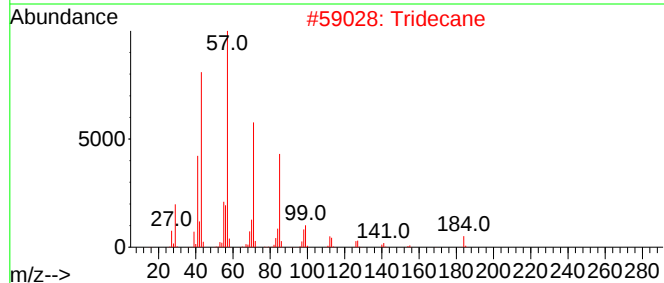
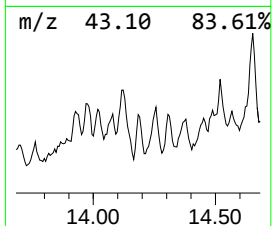
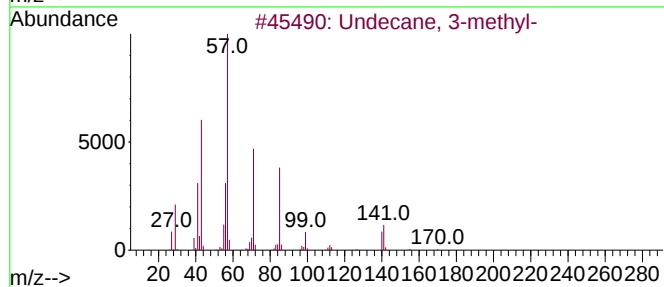
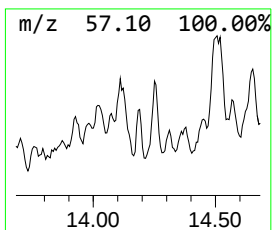
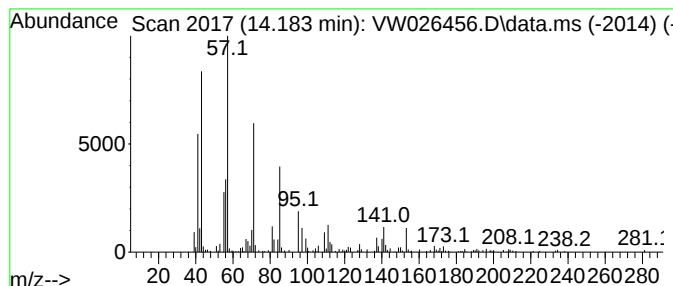
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.184	1.95 ug/L	95690	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	64
2			Tridecane	184	C13H28	000629-50-5	60
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58
4			Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
5			Hexacosane	366	C26H54	000630-01-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

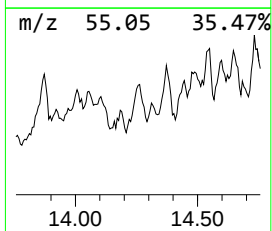
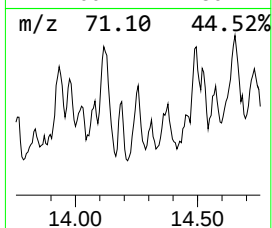
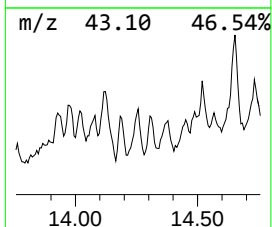
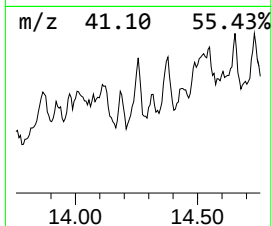
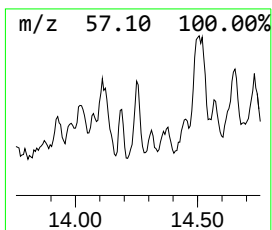
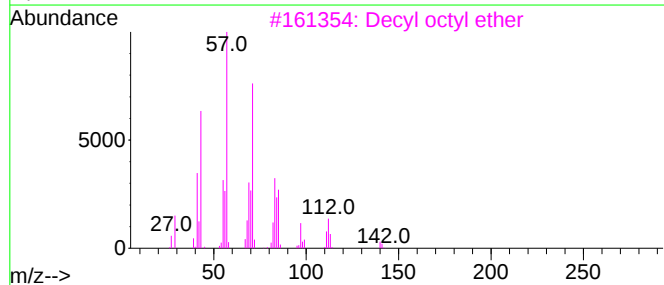
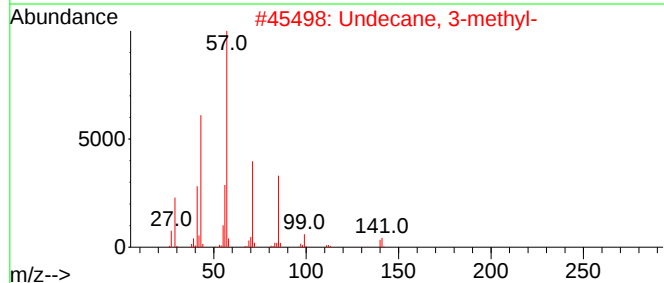
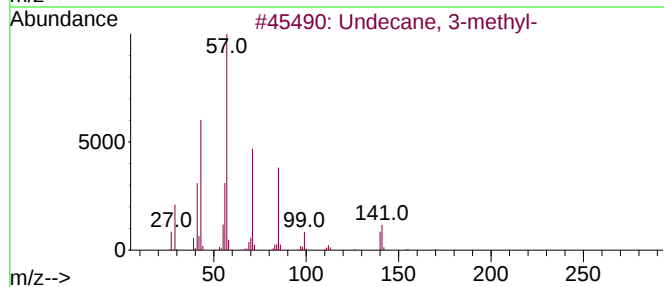
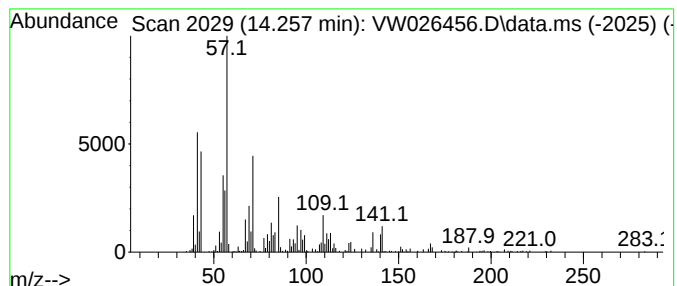
Instrument :
MSVOA_W
ClientSampleId :
A46P3

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

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.257	4.34 ug/L	213234	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-		170	C12H26	001002-43-3	53
2	Undecane, 3-methyl-		170	C12H26	001002-43-3	50
3	Decyl octyl ether		270	C18H38O	1000406-38-3	50
4	Tridecane		184	C13H28	000629-50-5	47
5	1-Iodo-2-methylundecane		296	C12H25I	073105-67-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

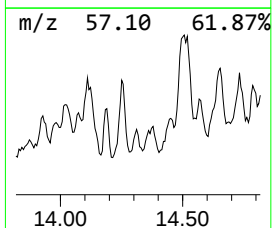
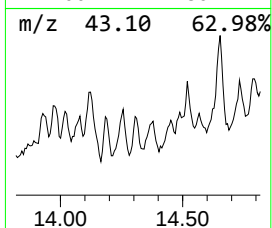
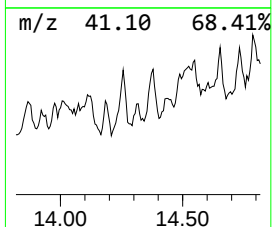
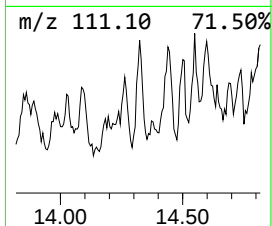
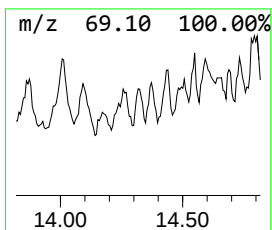
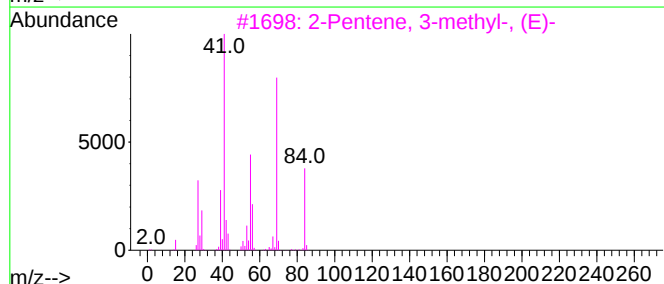
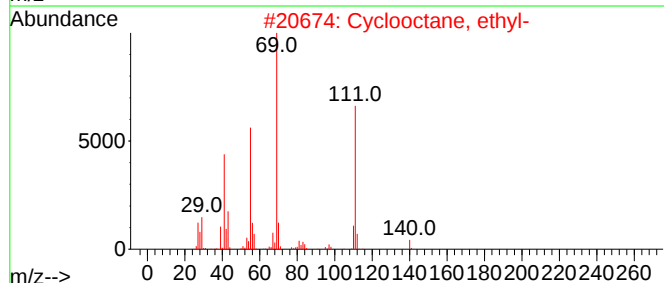
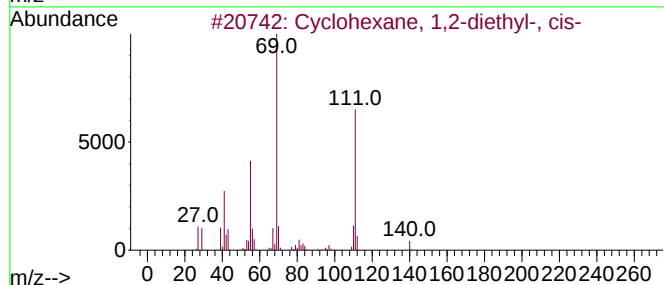
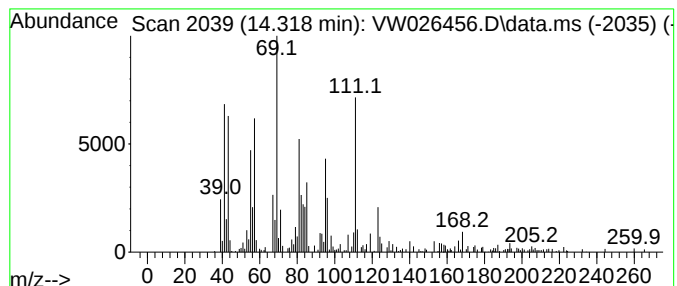
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic14.318 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.318	2.33 ug/L	114358	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	43
2			Cyclooctane, ethyl-	140	C10H20	013152-02-8	43
3			2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	38
4			2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	38
5			6,11-Dimethyl-2,6,10-dodecatrien...	208	C14H24O	1000196-53-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

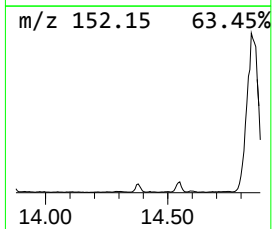
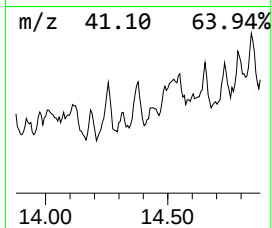
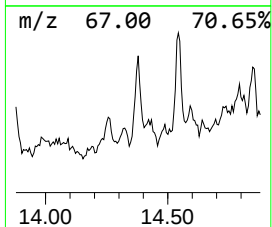
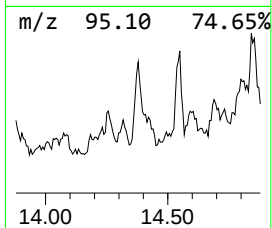
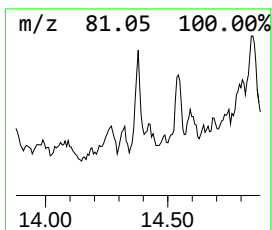
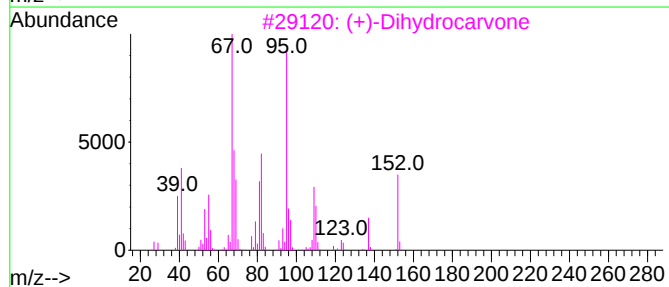
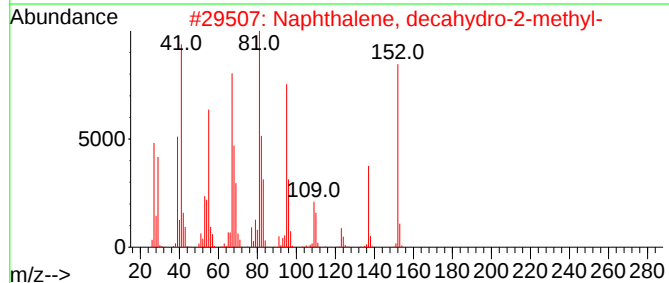
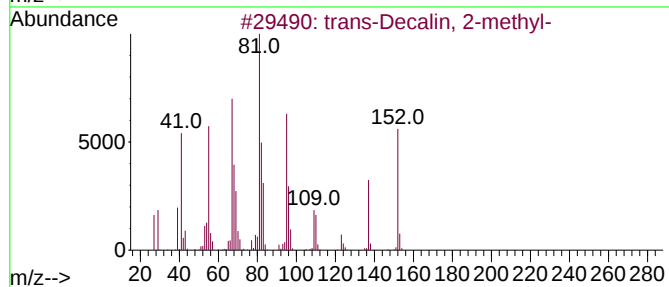
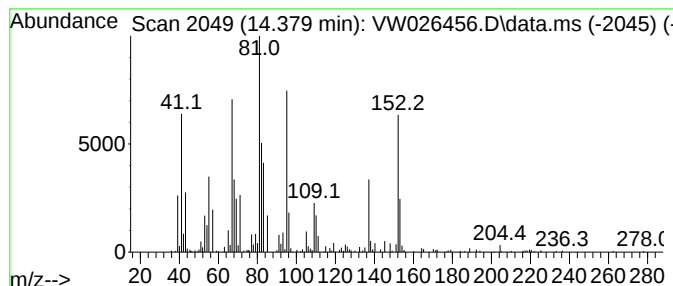
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 trans-Decalin, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	3.78 ug/L	185455	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3		(+)-Dihydrocarvone	152	C10H16O	005524-05-0	55
4		Pulegone	152	C10H16O	000089-82-7	49
5		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

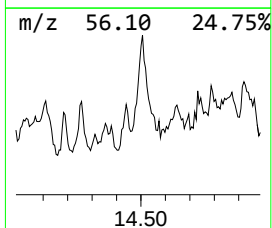
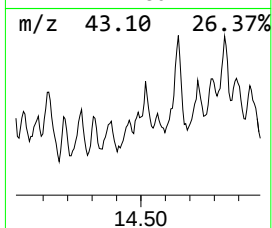
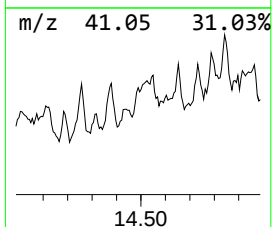
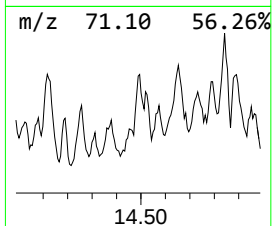
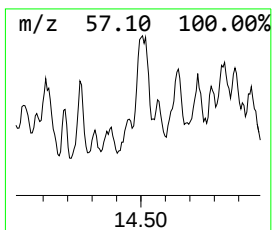
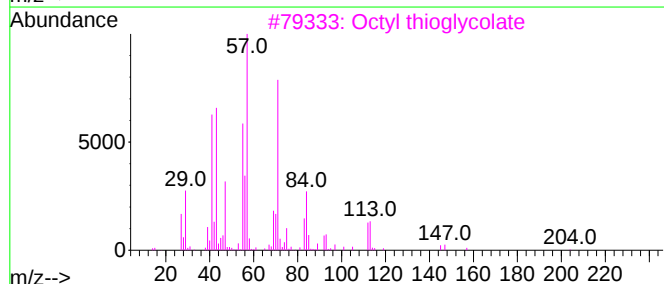
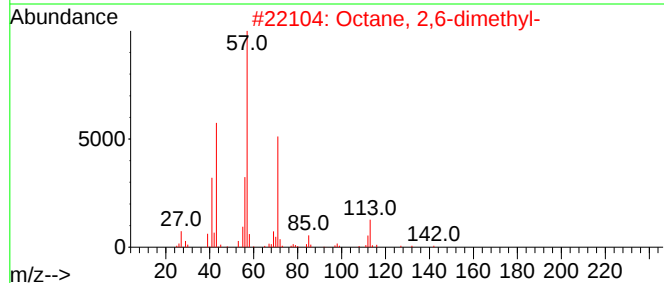
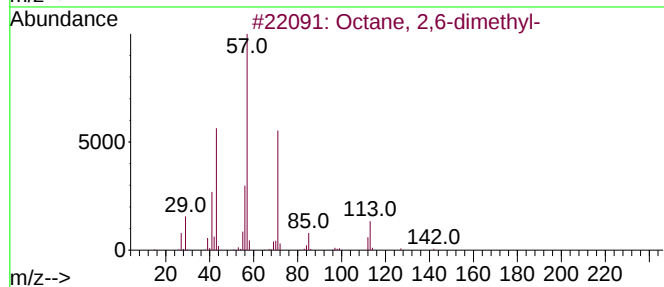
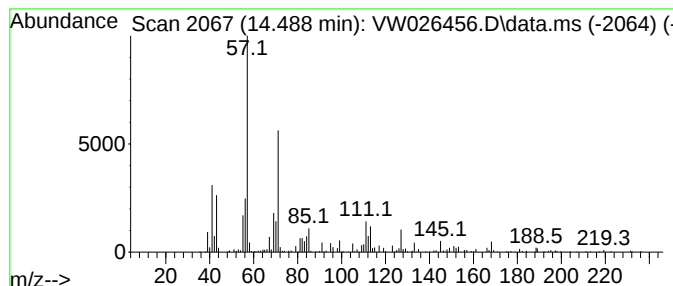
Instrument :
MSVOA_W
ClientSampleId :
A46P3

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

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.488	2.51 ug/L	123359	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	64
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	58
3	Octyl thioglycolate		204	C10H20O2S	007664-80-4	58
4	Undecane, 3,6-dimethyl-		184	C13H28	017301-28-9	58
5	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

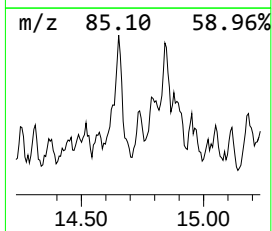
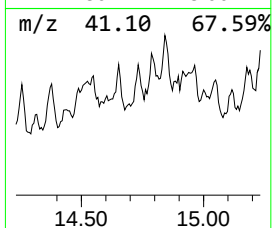
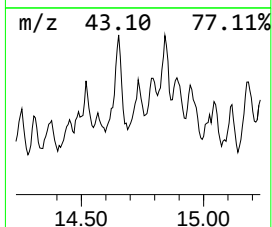
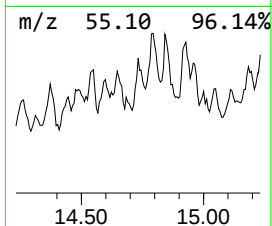
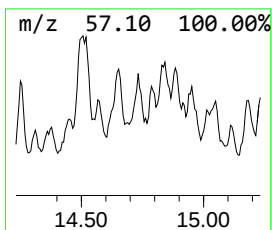
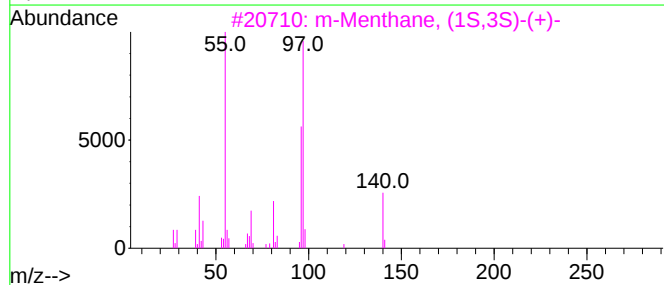
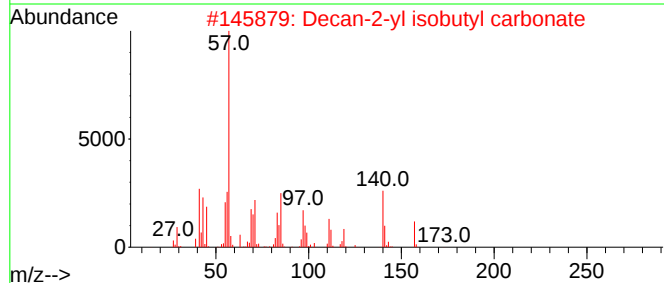
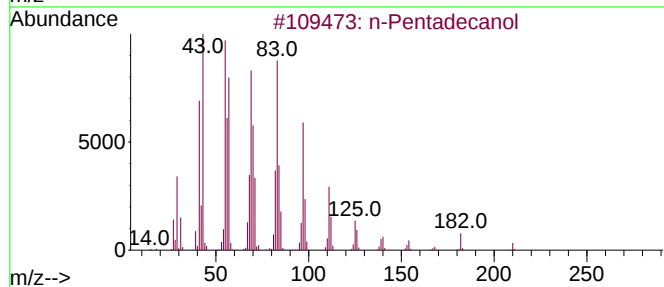
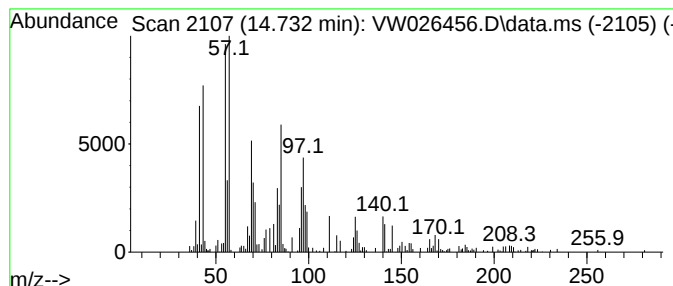
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 14 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	1.68 ug/L	82556	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Pentadecanol	228	C15H32O	000629-76-5	35
2			Decan-2-yl isobutyl carbonate	258	C15H30O3	1000372-79-5	35
3			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	27
4			Tridecane, 7-propyl-	226	C16H34	055045-09-5	25
5			Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

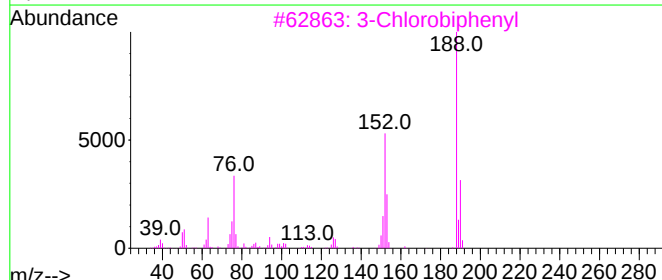
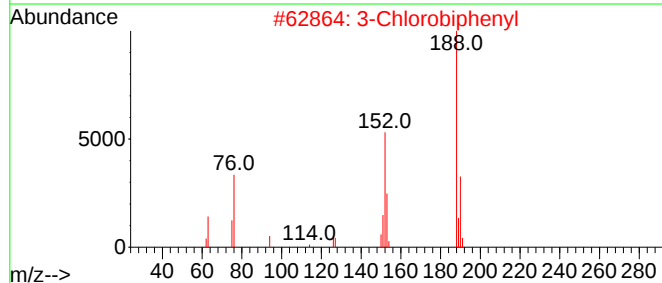
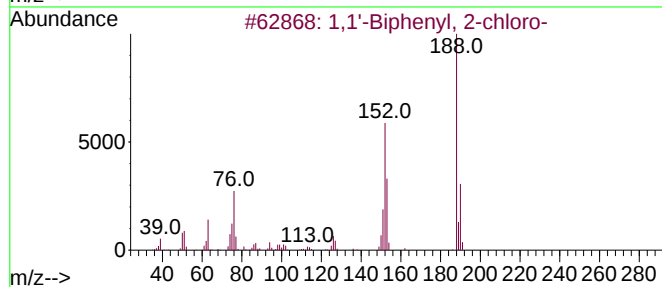
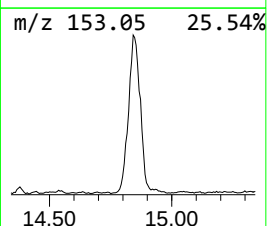
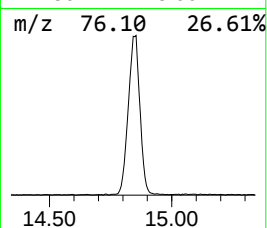
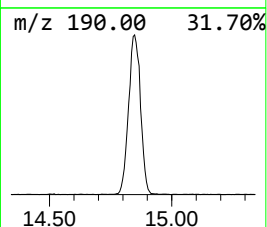
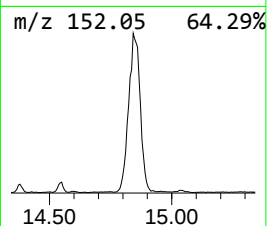
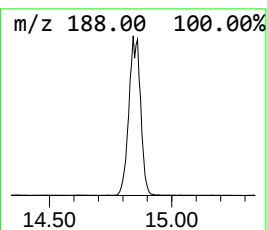
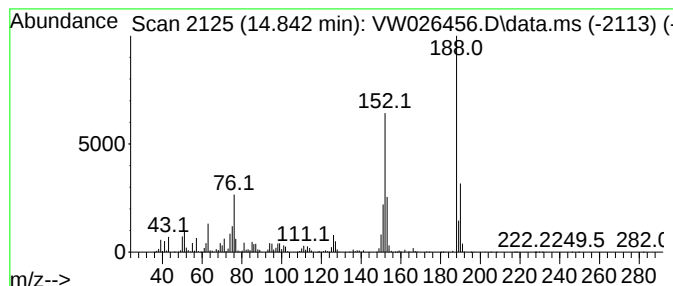
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 1,1'-Biphenyl, 2-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.842	82.34 ug/L	4043830	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	98
2			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	97
3			3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	97
4			1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	97
5			1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

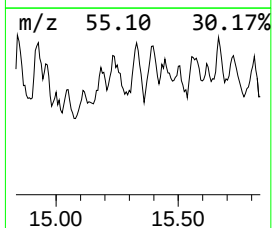
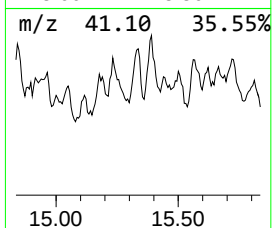
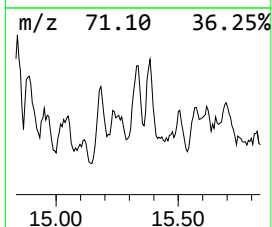
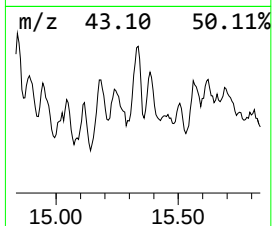
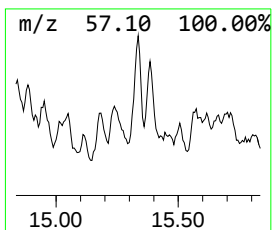
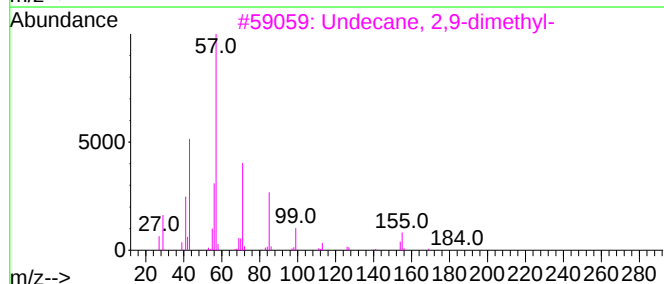
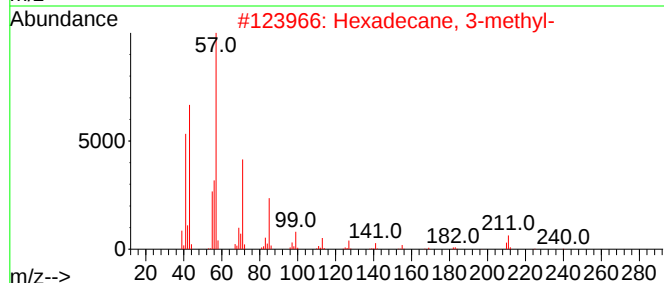
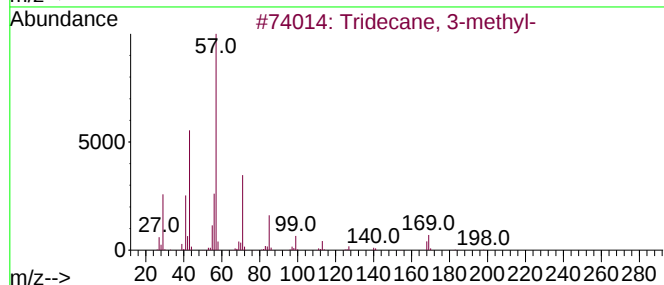
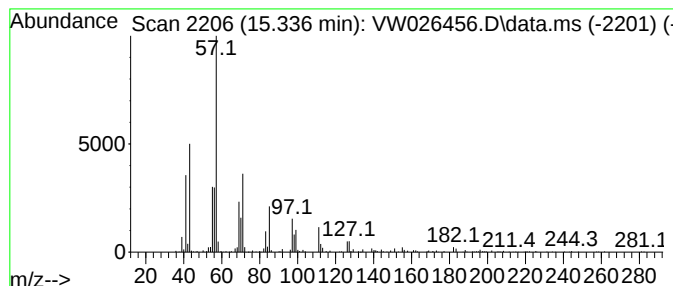
Instrument :
MSVOA_W
ClientSampleId :
A46P3

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

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.336	5.06 ug/L	248611	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-		198	C14H30	006418-41-3	74
2	Hexadecane, 3-methyl-		240	C17H36	006418-43-5	72
3	Undecane, 2,9-dimethyl-		184	C13H28	017301-26-7	59
4	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	59
5	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

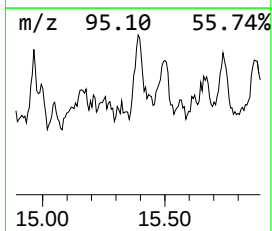
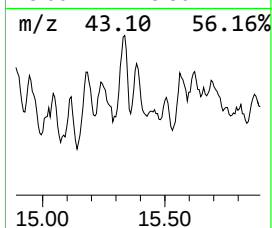
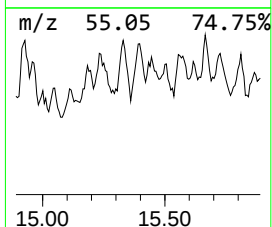
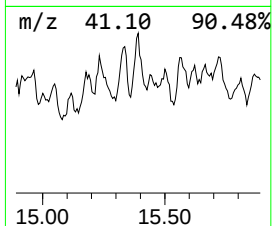
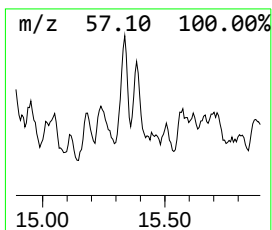
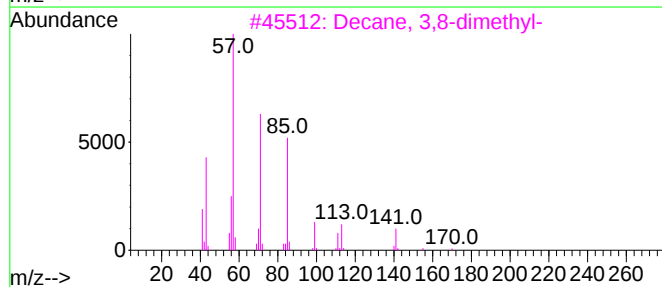
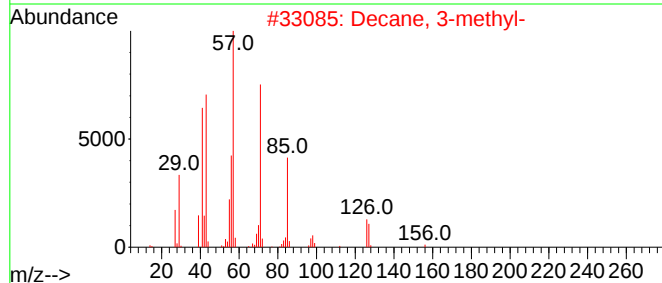
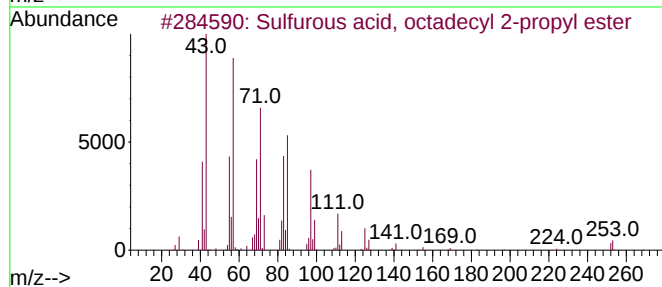
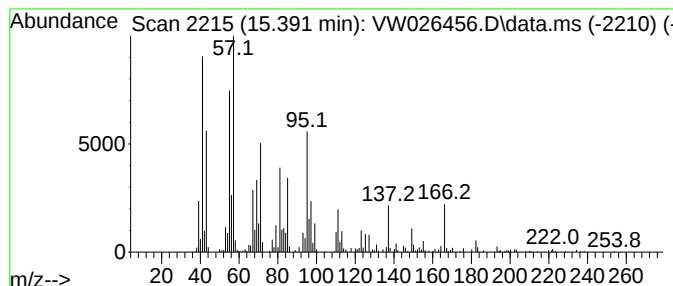
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	7.09 ug/L	348115	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	38
2			Decane, 3-methyl-	156	C11H24	013151-34-3	35
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	30
4			Tridecane, 3-methyl-	198	C14H30	006418-41-3	30
5			Heptacosane	380	C27H56	000593-49-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
Data File : VW026456.D
Acq On : 30 Jun 2023 00:51
Operator : SY/MD
Sample : 03452-13
Misc : 3.97g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46P3

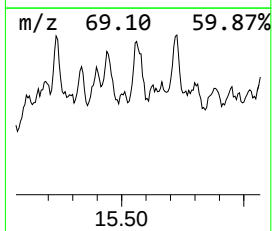
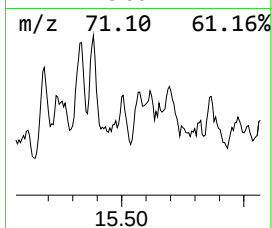
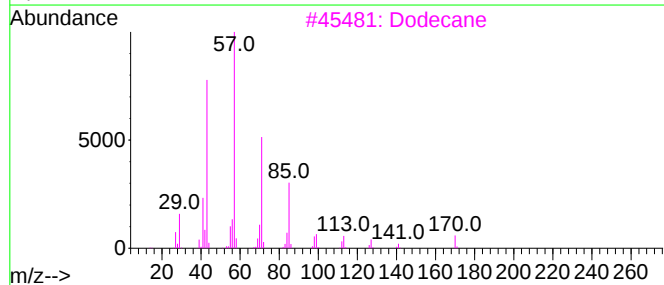
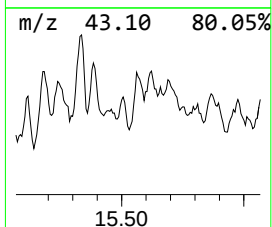
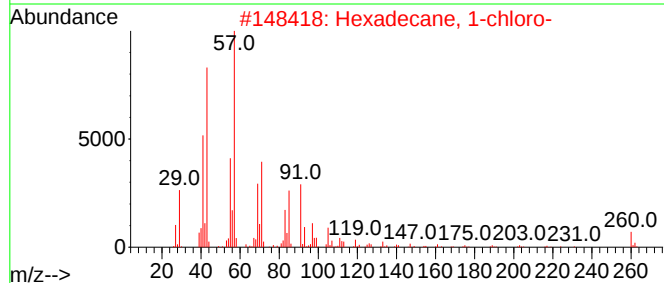
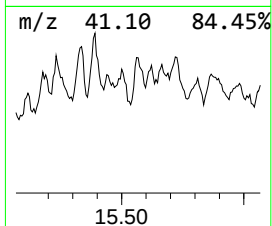
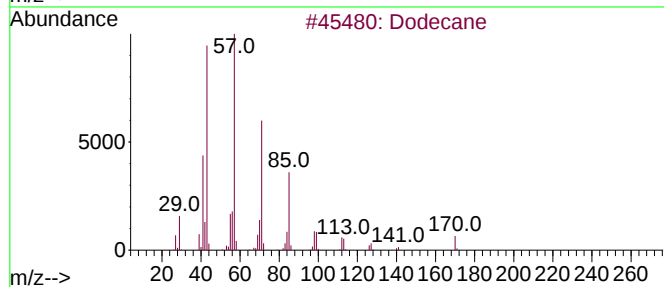
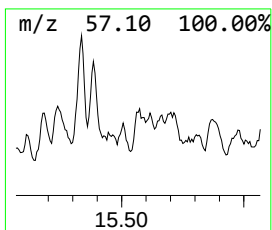
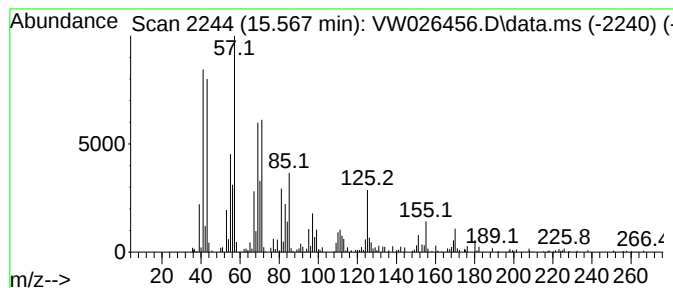
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.567	5.00 ug/L	245651	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	86
2		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	78
3		Dodecane	170	C12H26	000112-40-3	50
4		Dodecane	170	C12H26	000112-40-3	50
5		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026456.D
 Acq On : 30 Jun 2023 00:51
 Operator : SY/MD
 Sample : 03452-13
 Misc : 3.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46P3

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	11.355	3.5	ug/L	325660	2	11.629	2322820	25.0
(DEL) Alkane: S...	12.775	1.3	ug/L	61984	3	13.556	1227730	25.0
1,1'-Biphenyl, ...	12.964	9.6	ug/L	471100	3	13.556	1227730	25.0
(DEL) Alkane: S...	13.293	1.6	ug/L	78351	3	13.556	1227730	25.0
(DEL) Alkane: S...	13.409	1.5	ug/L	74248	3	13.556	1227730	25.0
(DEL) Alkane: C...	13.696	1.6	ug/L	77316	3	13.556	1227730	25.0
(DEL) Alkane: S...	14.184	2.0	ug/L	95690	3	13.556	1227730	25.0
(DEL) Alkane: S...	14.257	4.3	ug/L	213234	3	13.556	1227730	25.0
(DEL) Alkane: C...	14.318	2.3	ug/L	114358	3	13.556	1227730	25.0
trans-Decalin, ...	14.379	3.8	ug/L	185455	3	13.556	1227730	25.0
(DEL) Alkane: S...	14.488	2.5	ug/L	123359	3	13.556	1227730	25.0
unknown-01	14.732	1.7	ug/L	82556	3	13.556	1227730	25.0
1,1'-Biphenyl, ...	14.842	82.3	ug/L	4043830	3	13.556	1227730	25.0
(DEL) Alkane: S...	15.336	5.1	ug/L	248611	3	13.556	1227730	25.0
unknown-02	15.391	7.1	ug/L	348115	3	13.556	1227730	25.0
(DEL) Alkane: S...	15.567	5.0	ug/L	245651	3	13.556	1227730	25.0