

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
 Data File : VW030149.D
 Acq On : 19 Sep 2024 15:46
 Operator : SY/MD
 Sample : P4083-13
 Misc : 5.30g/10mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EL3

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\SFAMWLM091624SMA.M
 Title : SFAM01.0

Signal : TIC: VW030149.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.368	71	79	93	rBV	53053	128135	11.85%	1.595%
2	2.515	101	103	105	rBV2	662	637	0.06%	0.008%
3	2.655	123	126	130	rBV5	923	1491	0.14%	0.019%
4	2.820	151	153	155	rVB3	383	356	0.03%	0.004%
5	2.899	157	166	182	rVV	37369	118240	10.93%	1.472%
6	3.143	204	206	213	rVB3	959	1380	0.13%	0.017%
7	3.198	213	215	220	rVB2	419	541	0.05%	0.007%
8	3.252	223	224	226	rVB	256	153	0.01%	0.002%
9	3.271	226	227	229	rBV	311	235	0.02%	0.003%
10	3.399	241	248	255	rBV3	1266	2979	0.28%	0.037%
11	3.478	258	261	262	rVB2	310	250	0.02%	0.003%
12	3.521	262	268	269	rBV	162	196	0.02%	0.002%
13	3.539	269	271	273	rVB	249	157	0.01%	0.002%
14	3.685	294	295	299	rVB	183	166	0.02%	0.002%
15	3.740	302	304	308	rBV2	437	555	0.05%	0.007%
16	3.807	312	315	317	rBV2	211	243	0.02%	0.003%
17	3.856	320	323	325	rBV2	210	208	0.02%	0.003%
18	3.917	330	333	334	rVB2	159	150	0.01%	0.002%
19	3.929	334	335	337	rBV	216	154	0.01%	0.002%
20	4.021	339	350	362	rBV	119473	368326	34.05%	4.584%
21	4.228	382	384	385	rVB2	443	289	0.03%	0.004%
22	4.301	394	396	399	rVB2	324	285	0.03%	0.004%
23	4.325	399	400	402	rBV	269	223	0.02%	0.003%
24	4.350	402	404	405	rVV2	276	254	0.02%	0.003%
25	4.380	405	409	410	rVV2	892	1042	0.10%	0.013%
26	4.399	410	412	420	rVB3	1002	1632	0.15%	0.020%
27	4.581	440	442	446	rBV	287	239	0.02%	0.003%
28	4.752	467	470	471	rBV	168	164	0.02%	0.002%
29	4.807	474	479	481	rVB3	252	416	0.04%	0.005%
30	4.923	487	498	509	rBV2	7363	26827	2.48%	0.334%
31	5.063	518	521	523	rVB2	188	195	0.02%	0.002%
32	5.087	523	525	527	rVB2	184	183	0.02%	0.002%
33	5.106	527	528	529	rBV	347	145	0.01%	0.002%
34	5.173	536	539	544	rVB2	258	325	0.03%	0.004%
35	5.234	548	549	552	rBV2	154	142	0.01%	0.002%
36	5.301	557	560	563	rBV2	130	145	0.01%	0.002%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
 Data File : VW030149.D
 Acq On : 19 Sep 2024 15:46
 Operator : SY/MD
 Sample : P4083-13
 Misc : 5.30g/10mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EL3

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\SFAMWLM091624SMA.M
 Title : SFAM01.0

37	5.441	579	583	584	rBV2	153	169	0.02%	0.002%
38	5.465	586	587	590	rVB	261	154	0.01%	0.002%
39	5.502	590	593	595	rBV2	227	223	0.02%	0.003%
40	5.813	642	644	646	rVB	191	135	0.01%	0.002%
41	5.947	659	666	667	rBV3	1516	2506	0.23%	0.031%
42	6.093	686	690	695	rVB2	174	321	0.03%	0.004%
43	6.142	695	698	700	rBV	141	136	0.01%	0.002%
44	6.282	720	721	724	rBV2	179	194	0.02%	0.002%
45	6.313	724	726	729	rVB2	166	137	0.01%	0.002%
46	6.447	744	748	749	rVB2	170	194	0.02%	0.002%
47	6.471	749	752	757	rBV2	180	316	0.03%	0.004%
48	6.514	757	759	762	rVB2	180	203	0.02%	0.003%
49	6.557	762	766	768	rBV2	149	233	0.02%	0.003%
50	6.605	773	774	777	rBV2	153	148	0.01%	0.002%
51	6.782	800	803	805	rBV	221	219	0.02%	0.003%
52	6.843	811	813	816	rVB	232	175	0.02%	0.002%
53	6.990	835	837	840	rBV2	149	135	0.01%	0.002%
54	7.081	843	852	860	rBV	26056	75189	6.95%	0.936%
55	7.325	890	892	894	rVB2	291	278	0.03%	0.003%
56	7.343	894	895	897	rBV2	191	154	0.01%	0.002%
57	7.441	908	911	913	rVB2	133	156	0.01%	0.002%
58	7.459	913	914	918	rBV2	360	417	0.04%	0.005%
59	7.532	922	926	929	rVB2	138	155	0.01%	0.002%
60	7.569	929	932	934	rBV2	133	179	0.02%	0.002%
61	7.648	934	945	960	rBV	191911	465173	43.01%	5.790%
62	7.746	960	961	963	rVV	337	261	0.02%	0.003%
63	7.764	963	964	966	rVV2	541	275	0.03%	0.003%
64	7.788	966	968	972	rVB2	135	165	0.02%	0.002%
65	7.837	974	976	980	rBV2	148	192	0.02%	0.002%
66	7.941	990	993	996	rBV2	131	203	0.02%	0.003%
67	8.276	1037	1048	1065	rBV2	379241	1081624	100.00%	13.463%
68	8.404	1067	1069	1073	rVB3	812	1044	0.10%	0.013%
69	8.441	1073	1075	1079	rBV3	551	656	0.06%	0.008%
70	8.508	1084	1086	1087	rBV	276	168	0.02%	0.002%
71	8.544	1090	1092	1093	rBV2	359	178	0.02%	0.002%
72	8.599	1099	1101	1103	rBV	197	176	0.02%	0.002%
73	8.630	1103	1106	1109	rVB	368	420	0.04%	0.005%
74	8.703	1111	1118	1122	rBV4	823	1949	0.18%	0.024%
75	8.745	1122	1125	1131	rVB3	447	702	0.06%	0.009%
76	8.843	1131	1141	1156	rBV	493553	980178	90.62%	12.200%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
 Data File : VW030149.D
 Acq On : 19 Sep 2024 15:46
 Operator : SY/MD
 Sample : P4083-13
 Misc : 5.30g/10mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EL3

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\SFAMWLM091624SMA.M
 Title : SFAM01.0

77	8.989	1163	1165	1166	rBV	471	402	0.04%	0.005%
78	9.075	1173	1179	1183	rBV6	1209	3001	0.28%	0.037%
79	9.111	1183	1185	1187	rVV3	320	218	0.02%	0.003%
80	9.276	1203	1212	1222	rBV	241399	495173	45.78%	6.163%
81	9.428	1235	1237	1238	rBV2	537	268	0.02%	0.003%
82	9.654	1272	1274	1275	rBV	673	338	0.03%	0.004%
83	9.666	1275	1276	1280	rBV3	930	901	0.08%	0.011%
84	9.776	1292	1294	1295	rBV2	419	410	0.04%	0.005%
85	9.849	1303	1306	1307	rBV3	729	779	0.07%	0.010%
86	10.032	1328	1336	1350	rBV	113200	213009	19.69%	2.651%
87	10.318	1376	1383	1391	rBV	427370	754278	69.74%	9.388%
88	10.580	1419	1426	1433	rBV	65716	115699	10.70%	1.440%
89	10.696	1440	1445	1452	rBV	9946	17123	1.58%	0.213%
90	10.922	1475	1482	1494	rBV	108194	199009	18.40%	2.477%
91	11.629	1591	1598	1612	rBV	448662	757997	70.08%	9.435%
92	12.440	1727	1731	1737	rBV7	9849	17749	1.64%	0.221%
93	12.690	1766	1772	1779	rBV	127014	211754	19.58%	2.636%
94	12.775	1781	1786	1791	rVB	58036	99857	9.23%	1.243%
95	13.555	1909	1914	1919	rBV	203855	326017	30.14%	4.058%
96	13.848	1958	1962	1971	rVB3	139121	246517	22.79%	3.068%
97	14.378	2045	2049	2052	rBV4	60255	100948	9.33%	1.256%
98	14.494	2063	2068	2074	rBV3	125625	314447	29.07%	3.914%
99	15.317	2199	2203	2210	rVB	300703	521798	48.24%	6.495%
100	16.268	2355	2359	2368	rVB	181260	364037	33.66%	4.531%

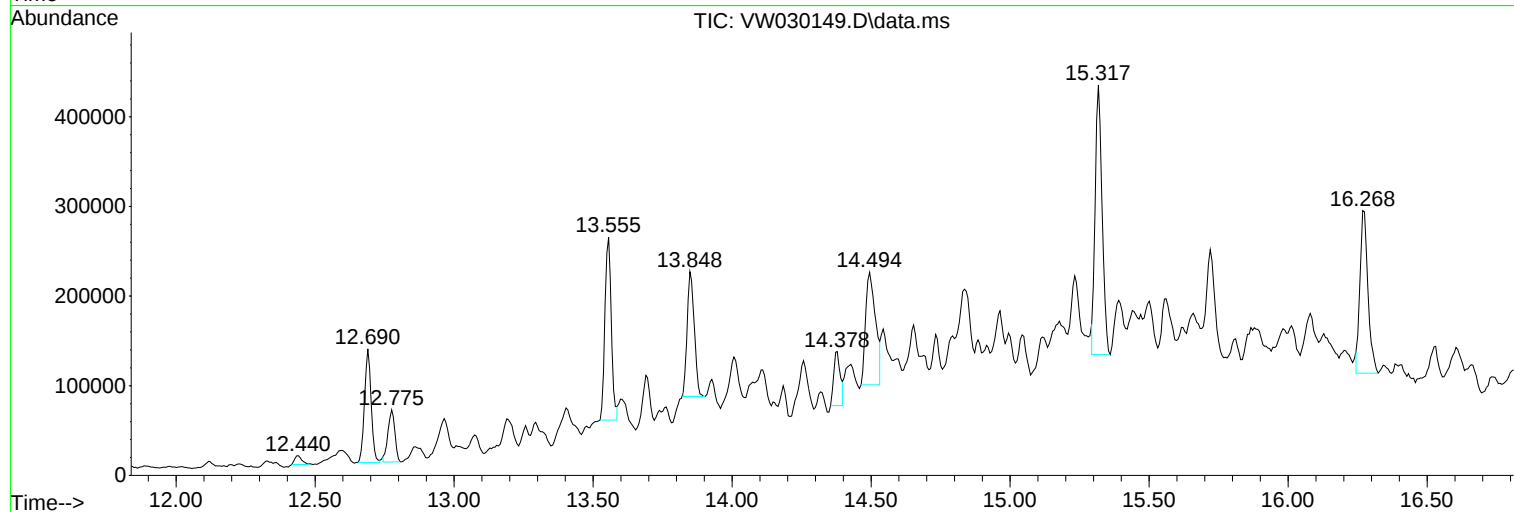
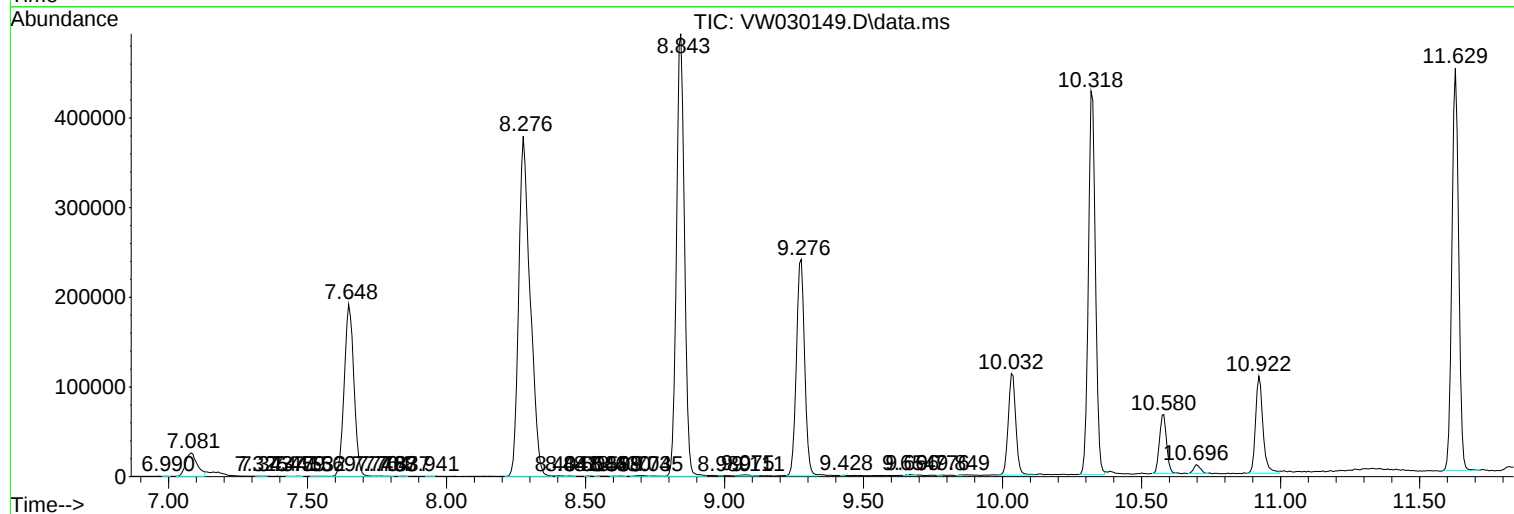
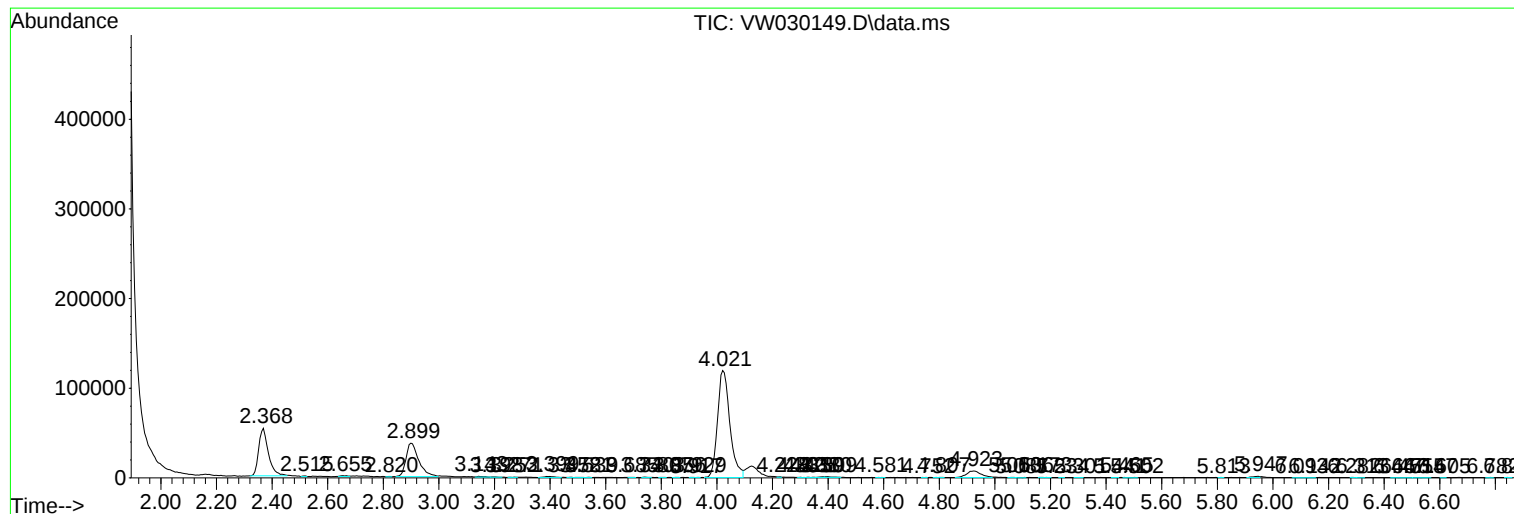
Sum of corrected areas: 8034277

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030149.D
Acq On : 19 Sep 2024 15:46
Operator : SY/MD
Sample : P4083-13
Misc : 5.30g/10mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4EL3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030149.D
Acq On : 19 Sep 2024 15:46
Operator : SY/MD
Sample : P4083-13
Misc : 5.30g/10mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4EL3

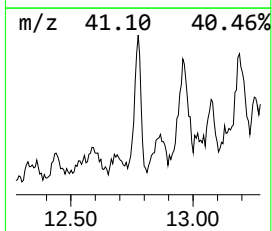
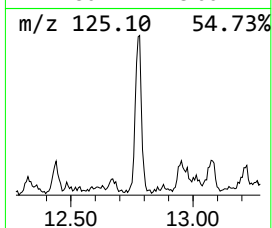
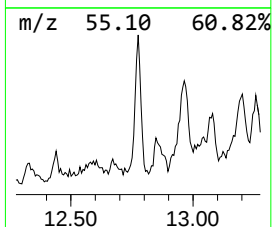
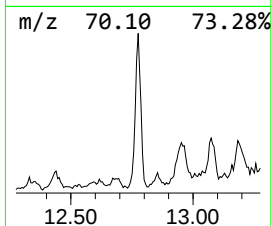
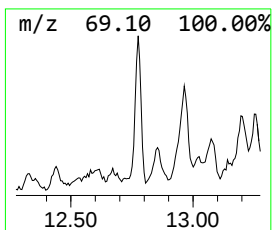
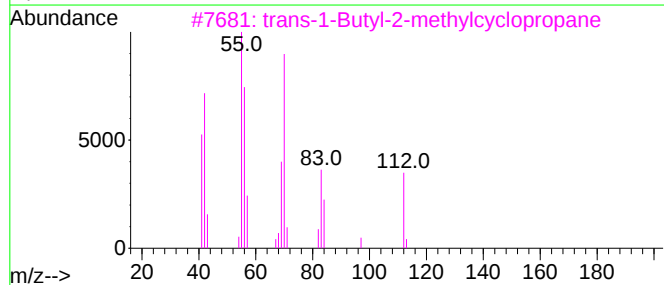
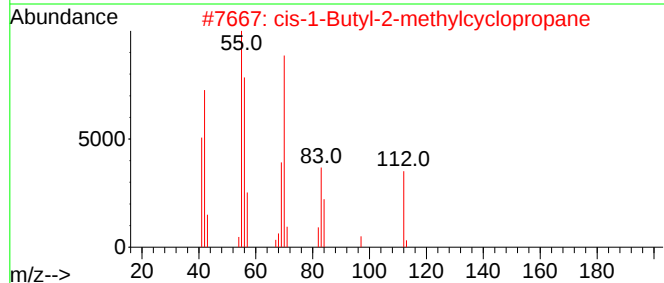
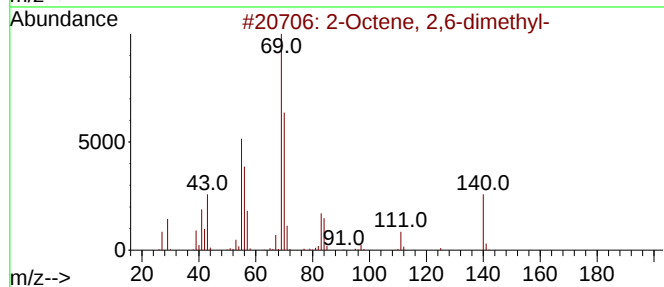
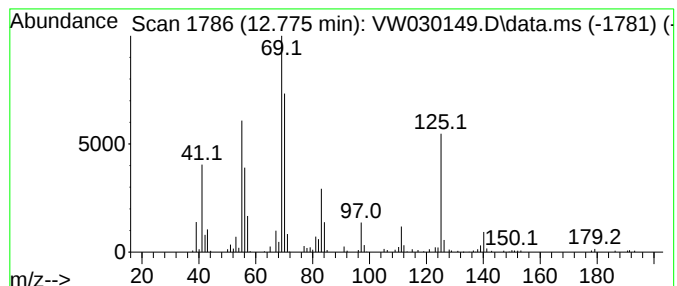
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	7.66 ug/L	99857	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	74
2		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
3		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
5		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030149.D
Acq On : 19 Sep 2024 15:46
Operator : SY/MD
Sample : P4083-13
Misc : 5.30g/10mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4EL3

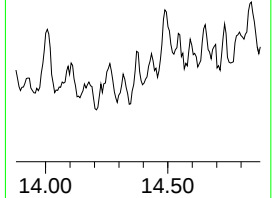
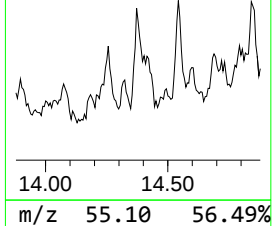
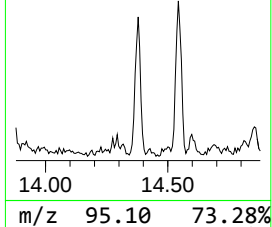
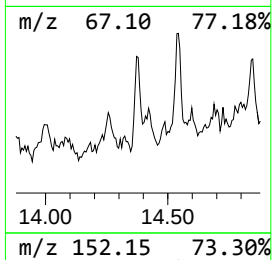
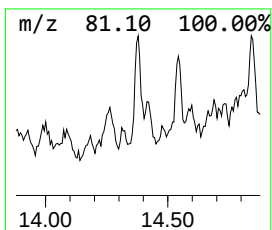
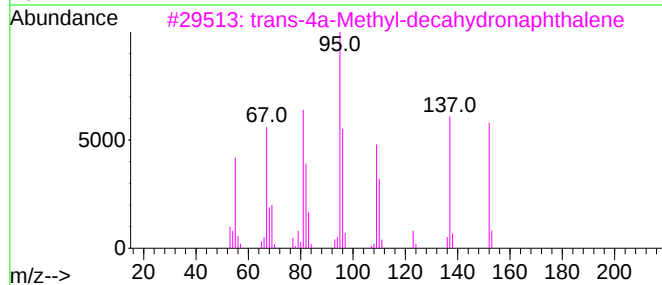
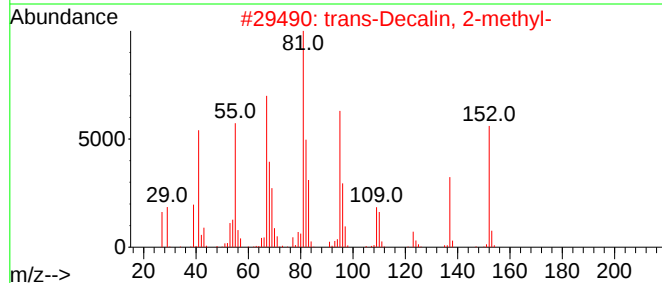
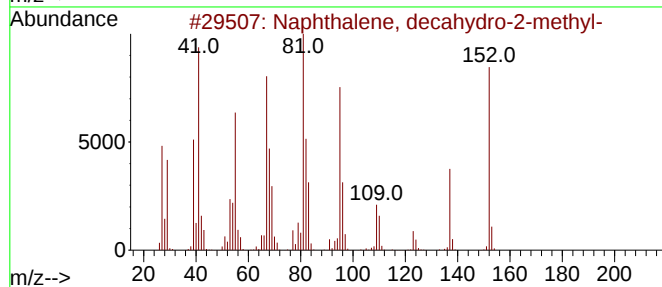
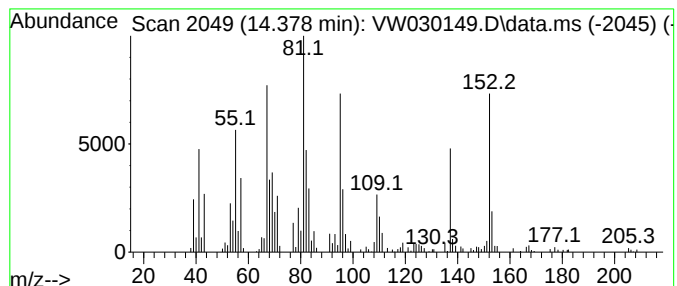
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	7.74 ug/L	100948	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
3			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	90
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	76
5			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030149.D
Acq On : 19 Sep 2024 15:46
Operator : SY/MD
Sample : P4083-13
Misc : 5.30g/10mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4EL3

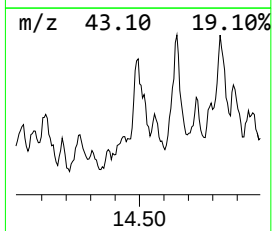
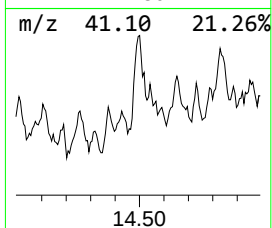
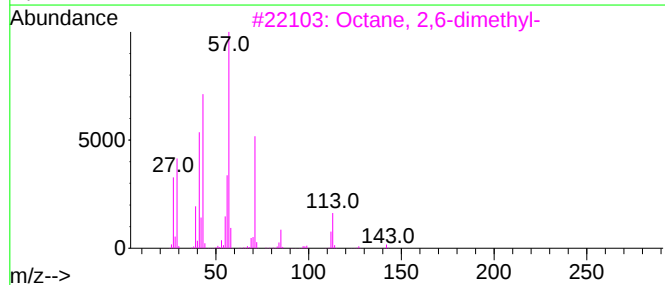
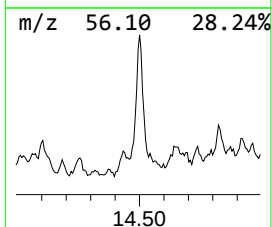
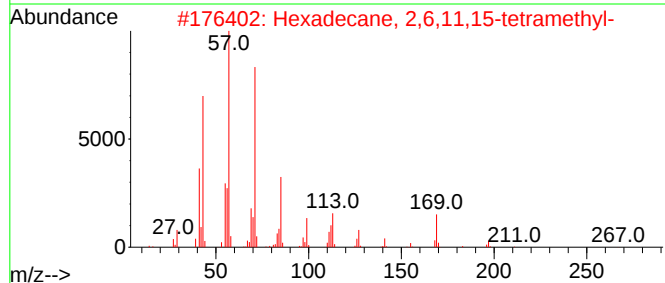
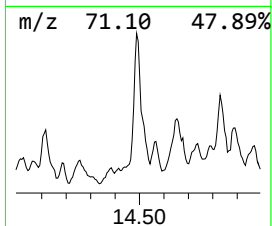
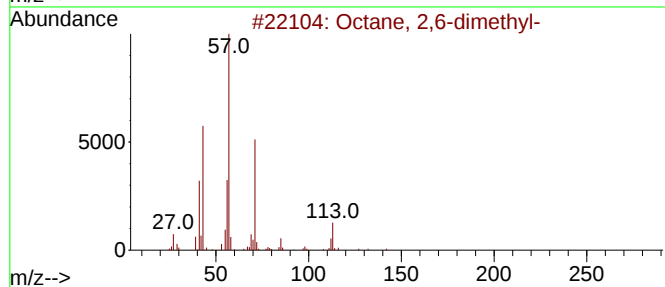
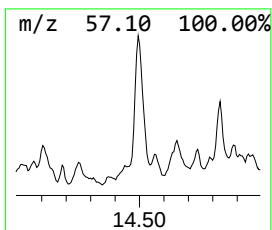
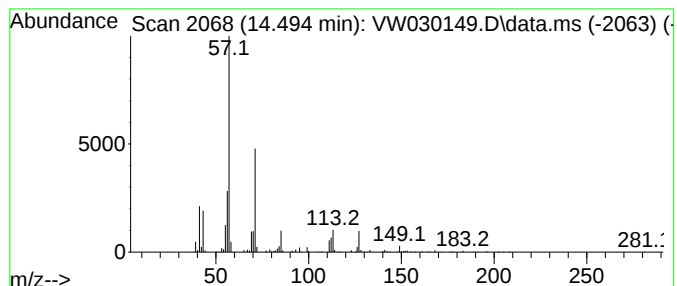
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.494	24.11 ug/L	314447	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	72	
2	Hexadecane, 2,6,11,15-tetramethyl-		282	C20H42	000504-44-9	64	
3	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	64	
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	62	
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	62	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030149.D
Acq On : 19 Sep 2024 15:46
Operator : SY/MD
Sample : P4083-13
Misc : 5.30g/10mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4EL3

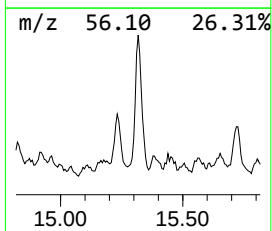
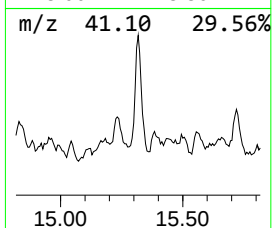
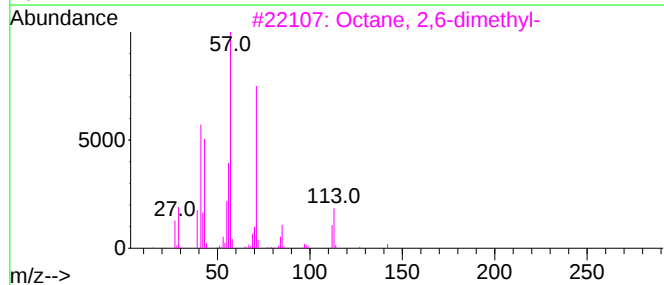
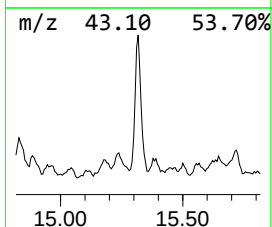
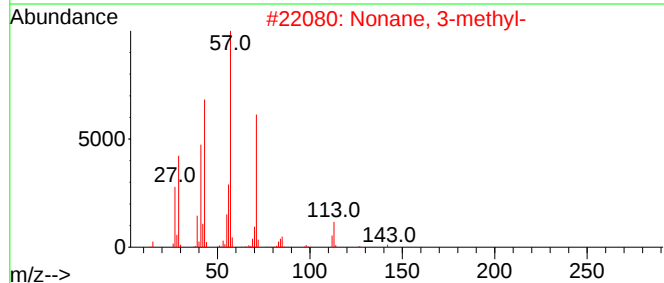
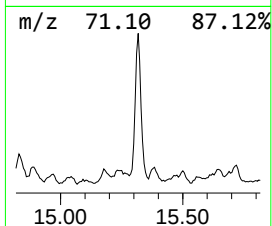
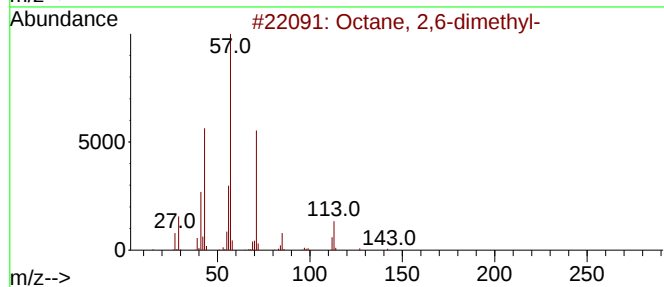
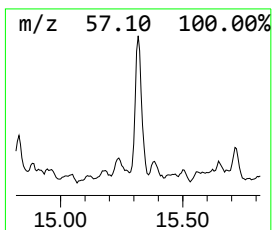
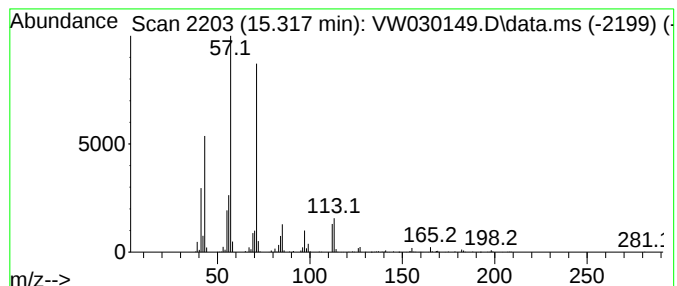
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.317	40.01 ug/L	521798	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	86
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	78
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	78
5			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030149.D
Acq On : 19 Sep 2024 15:46
Operator : SY/MD
Sample : P4083-13
Misc : 5.30g/10mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4EL3

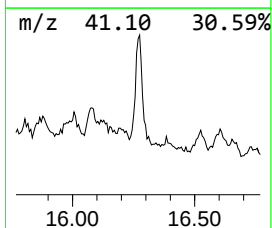
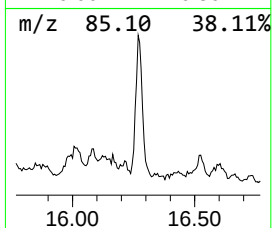
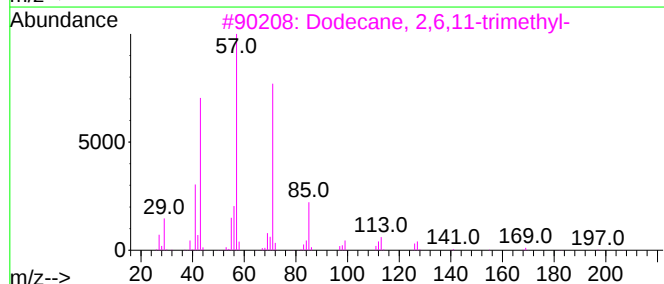
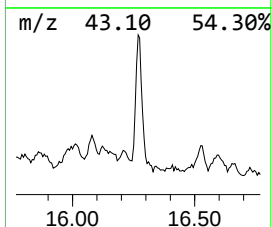
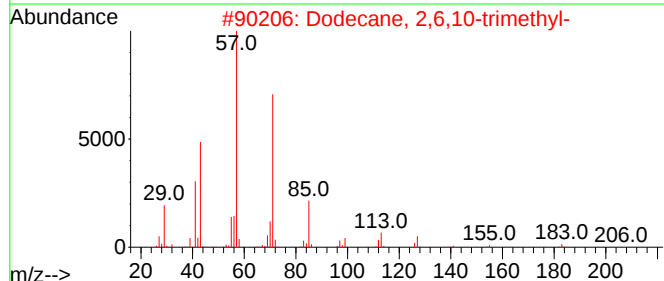
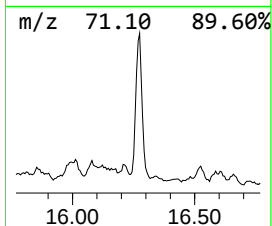
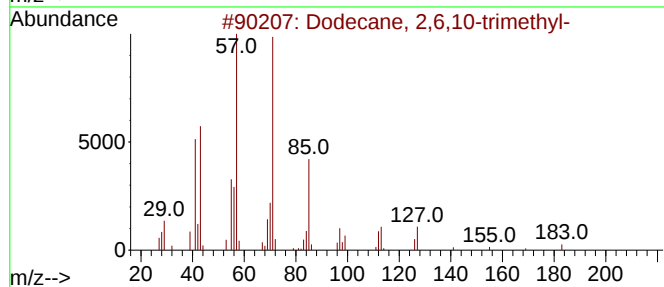
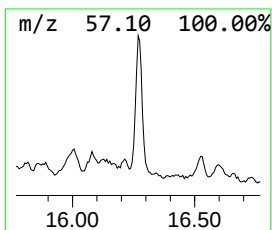
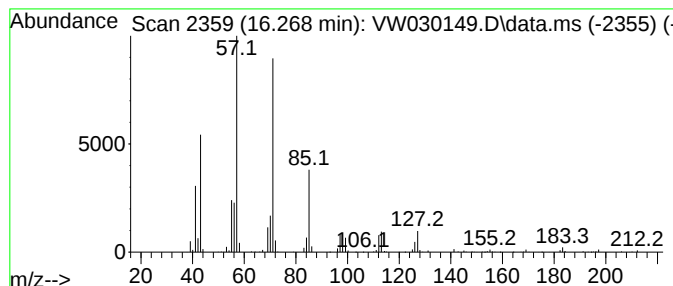
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.268	27.92 ug/L	364037	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	74
5			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030149.D
Acq On : 19 Sep 2024 15:46
Operator : SY/MD
Sample : P4083-13
Misc : 5.30g/10mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4EL3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	12.775	7.7	ug/L	99857	3	13.556	326017	25.0
Naphthalene, de...	14.379	7.7	ug/L	100948	3	13.556	326017	25.0
(DEL) Alkane: S...	14.494	24.1	ug/L	314447	3	13.556	326017	25.0
(DEL) Alkane: S...	15.317	40.0	ug/L	521798	3	13.556	326017	25.0
(DEL) Alkane: S...	16.268	27.9	ug/L	364037	3	13.556	326017	25.0