LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

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\SFAMWLM040722SMA.M
Title : SFAM01.0

Signal : TIC: VW022473.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	4	10	39	rVB	3945993	6282947	20.15%	9.770%
2	2.239	48	55	59	rBV8	5058	13412	0.04%	0.021%
3	2.355	68	74	87	rBV	158657	295389	0.95%	0.459%
4	2.501	93	98	108	rBV	21550	46610	0.15%	0.072%
5	2.642	116	121	123	rBV3	7646	14794	0.05%	0.023%
6	2.892	155	162	173	rVB	96632	213755	0.69%	0.332%
7	3.282	219	226	228	rBV8	956	1672	0.01%	0.003%
8	3.392	239	244	248	rVV4	2364	4098	0.01%	0.006%
9	3.721	295	298	299	rVV2	1599	1474	0.00%	0.002%
10	3.757	303	304	310	rVB5	3719	4229	0.01%	0.007%
11	3.837	314	317	320	rBV4	1251	1516	0.00%	0.002%
12	3.916	323	330	331	rBV6	3610	7550	0.02%	0.012%
13	4.026	336	348	357	rVV	188296	589605	1.89%	0.917%
14	4.123	358	364	372	rVV	73523	205056	0.66%	0.319%
15	4.215	372	379	390	rVB3	27087	84596	0.27%	0.132%
16	4.391	398	408	422	rBV2	27245	86213	0.28%	0.134%
17	4.928	485	496	498	rBV4	9932	29380	0.09%	0.046%
18	5.013	504	510	521	rVB3	19648	65345	0.21%	0.102%
19	5.190	529	539	550	rVB3	28052	89138	0.29%	0.139%
20	5.391	568	572	573	rBV3	1441	1713	0.01%	0.003%
21	5.434	576	579	581	rBV3	1326	1689	0.01%	0.003%
22	5.568	591	601	610	rVB6	8040	26489	0.08%	0.041%
23	5.757	629	632	633	rBV2	1555	1884	0.01%	0.003%
24	5.787	633	637	647	rVB9	3877	9598	0.03%	0.015%
25	5.946	651	663	674	rBV2	25411	81584	0.26%	0.127%
26	6.111	682	690	698	rBV2	3176	8029	0.03%	0.012%
27	6.214	698	707	708	rBV6	3685	6503	0.02%	0.010%
28	6.226	708	709	718	rVB5	4742	6201	0.02%	0.010%
29	6.348	726	729	732	rVB5	1725	1983	0.01%	0.003%
30	6.415	735	740	742	rBV6	1461	2832	0.01%	0.004%
31	6.610	766	772	774	rBV7	2657	5342	0.02%	0.008%
32	6.751	793	795	800	rVV5	1266	1687	0.01%	0.003%
33	6.866	808	814	816	rBV4	1574	3351	0.01%	0.005%
34	6.897	816	819	821	rVV3	1317	1850	0.01%	0.003%
35	6.988	825	834	841	rVV6	13002	40189	0.13%	0.062%
36	7.080	841	849	861	rVV	63811	210132	0.67%	0.327%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

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\SFAMWLM040722SMA.M
Title : SFAM01.0

37	7.177	861	865	876	rVB	13694	36503	0.12%	0.057%
38	7.257	876	878	882	rBV4	1161	1600	0.01%	0.002%
39	7.507	910	919	922	rBV5	3358	8636	0.03%	0.013%
40	7.537	922	924	930	rVB5	2723	5236	0.02%	0.008%
41	7.647	930	942	954	rBV	323438	804604	2.58%	1.251%
42	7.860	973	977	978	rBV3	2451	3202	0.01%	0.005%
43	7.946	978	991	1001	rVB7	16005	66848	0.21%	0.104%
44	8.037	1001	1006	1009	rBV6	3665	5723	0.02%	0.009%
45	8.147	1019	1024	1025	rBV3	11101	13168	0.04%	0.020%
46	8.275	1034	1045	1047	rBV	590774	1154564	3.70%	1.795%
47	8.324	1047	1053	1063	rVB	1727033	4142768	13.29%	6.442%
48	8.427	1067	1070	1073	rBV5	3496	5474	0.02%	0.009%
49	8.500	1080	1082	1087	rBV6	2130	3421	0.01%	0.005%
50	8.561	1089	1092	1102	rVB8	7810	20711	0.07%	0.032%
51	8.695	1107	1114	1126	rVB3	20281	55488	0.18%	0.086%
52	8.842	1130	1138	1149	rBV	618603	1218856	3.91%	1.895%
53	9.049	1166	1172	1181	rBV5	22210	57768	0.19%	0.090%
54	9.147	1185	1188	1195	rVB6	5896	12213	0.04%	0.019%
55	9.275	1201	1209	1216	rBV	440533	933682	2.99%	1.452%
56	9.336	1216	1219	1231	rVB	41766	79309	0.25%	0.123%
57	9.445	1234	1237	1238	rVB3	1873	1705	0.01%	0.003%
58	9.512	1240	1248	1255	rVB4	18840	41706	0.13%	0.065%
59	9.604	1257	1263	1267	rBV9	3359	5635	0.02%	0.009%
60	9.811	1291	1297	1301	rBV7	5994	11748	0.04%	0.018%
61	9.890	1307	1310	1312	rBV3	1734	2265	0.01%	0.004%
62	9.963	1314	1322	1328	rBV	332658	617442	1.98%	0.960%
63	10.037	1328	1334	1341	rVB	236890	425280	1.36%	0.661%
64	10.165	1353	1355	1357	rBV2	2896	3721	0.01%	0.006%
65	10.201	1358	1361	1362	rBV3	4573	4735	0.02%	0.007%
66	10.323	1373	1381	1386	rBV	871127	1536260	4.93%	2.389%
67	10.384	1386	1391	1400	rVV2	796235	1406845	4.51%	2.188%
68	10.476	1400	1406	1414	rVB7	17849	53818	0.17%	0.084%
69	10.579	1416	1423	1429	rBV	152036	261380	0.84%	0.406%
70	10.719	1438	1446	1455	rBV	198131	371433	1.19%	0.578%
71	10.817	1458	1462	1464	rBV5	3769	5849	0.02%	0.009%
72	10.860	1464	1469	1473	rBV5	11041	17467	0.06%	0.027%
73	10.927	1473	1480	1492	rBV2	371779	709918	2.28%	1.104%
74	11.061	1497	1502	1508	rVB3	28099	53053	0.17%	0.082%
75	11.183	1517	1522	1525	rBV4	6739	12912	0.04%	0.020%
76	11.293	1533	1540	1545	rBV2	85480	181220	0.58%	0.282%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

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\SFAMWLM040722SMA.M
Title : SFAM01.0

77	11.555	1579	1583	1588	rVB2	92916	150738	0.48%	0.234%
78	11.658	1589	1600	1608	rBV	17970128	31183361	100.00%	48.490%
79	11.731	1609	1612	1618	rVB2	52312	84310	0.27%	0.131%
80	11.835	1620	1629	1636	rVB4	79781	186875	0.60%	0.291%
81	12.164	1680	1683	1691	rVB3	85022	145678	0.47%	0.227%
82	12.603	1750	1755	1759	rBV4	24039	56619	0.18%	0.088%
83	12.658	1759	1764	1765	rVV2	125133	181589	0.58%	0.282%
84	12.689	1765	1769	1774	rVV	392196	682518	2.19%	1.061%
85	12.743	1774	1778	1784	rVB	58362	98841	0.32%	0.154%
86	12.890	1795	1802	1808	rBV	173226	309387	0.99%	0.481%
87	12.987	1814	1818	1823	rBV	60298	95344	0.31%	0.148%
88	13.249	1857	1861	1865	rVB	36243	54771	0.18%	0.085%
89	13.554	1905	1911	1919	rVV	1035193	1753641	5.62%	2.727%
90	13.640	1920	1925	1931	rVB3	112616	202397	0.65%	0.315%
91	13.853	1953	1960	1973	rVB3	1061945	2059489	6.60%	3.203%
92	14.731	2100	2104	2109	rBV	263686	462708	1.48%	0.720%
93	15.078	2152	2161	2172	rVB2	112800	414060	1.33%	0.644%
94	15.359	2203	2207	2212	rVB	70360	102944	0.33%	0.160%
95	15.481	2220	2227	2238	rVB4	135661	420666	1.35%	0.654%
96	15.609	2239	2248	2261	rVV	353781	1106250	3.55%	1.720%
97	15.731	2262	2268	2278	rVB	316364	616897	1.98%	0.959%
98	15.932	2292	2301	2317	rVB5	109367	493277	1.58%	0.767%
99	16.115	2322	2331	2343	rBV3	135325	460140	1.48%	0.716%
100	16.724	2426	2431	2438	rBV3	81137	183808	0.59%	0.286%

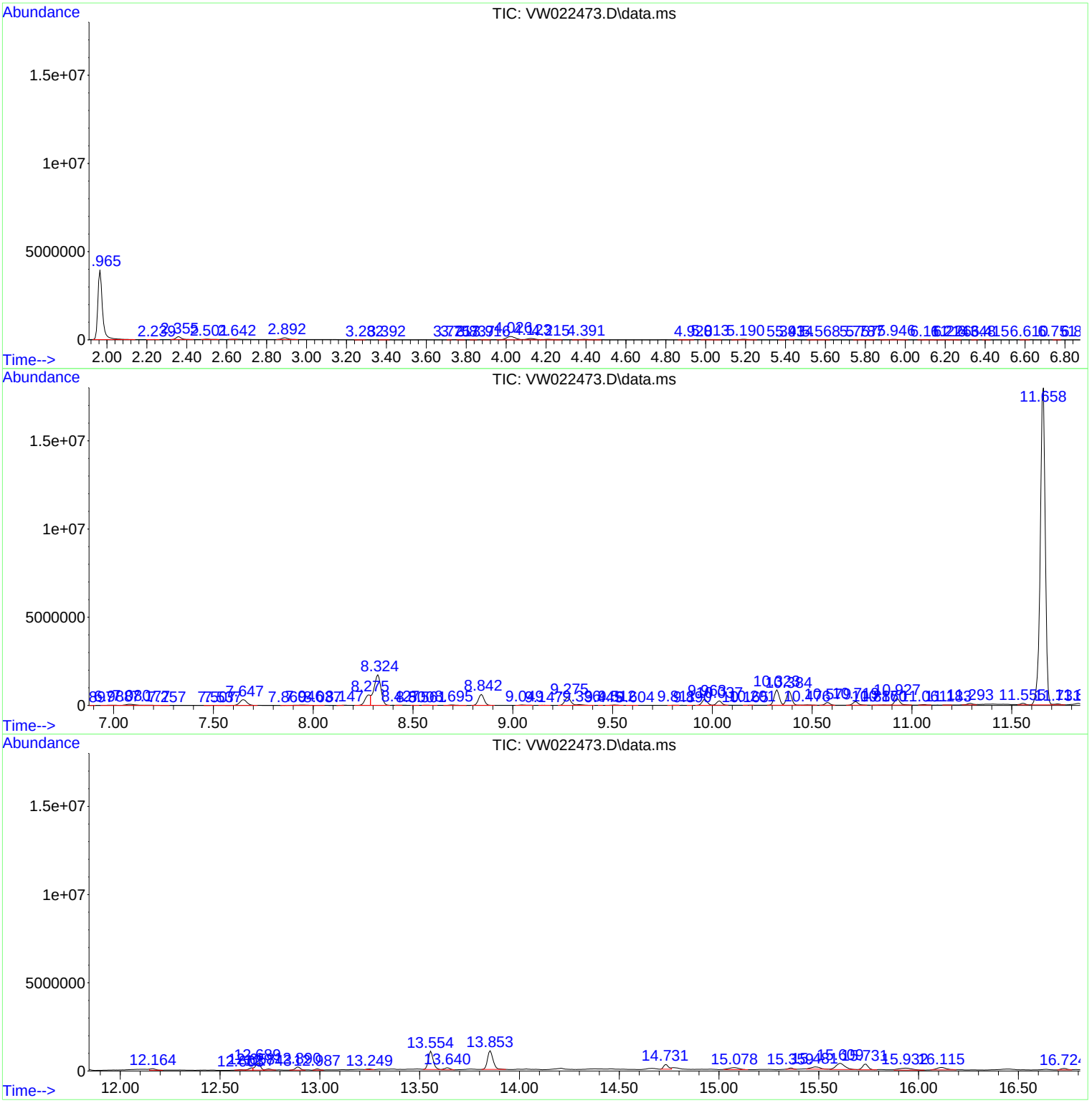
Sum of corrected areas: 64308309

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

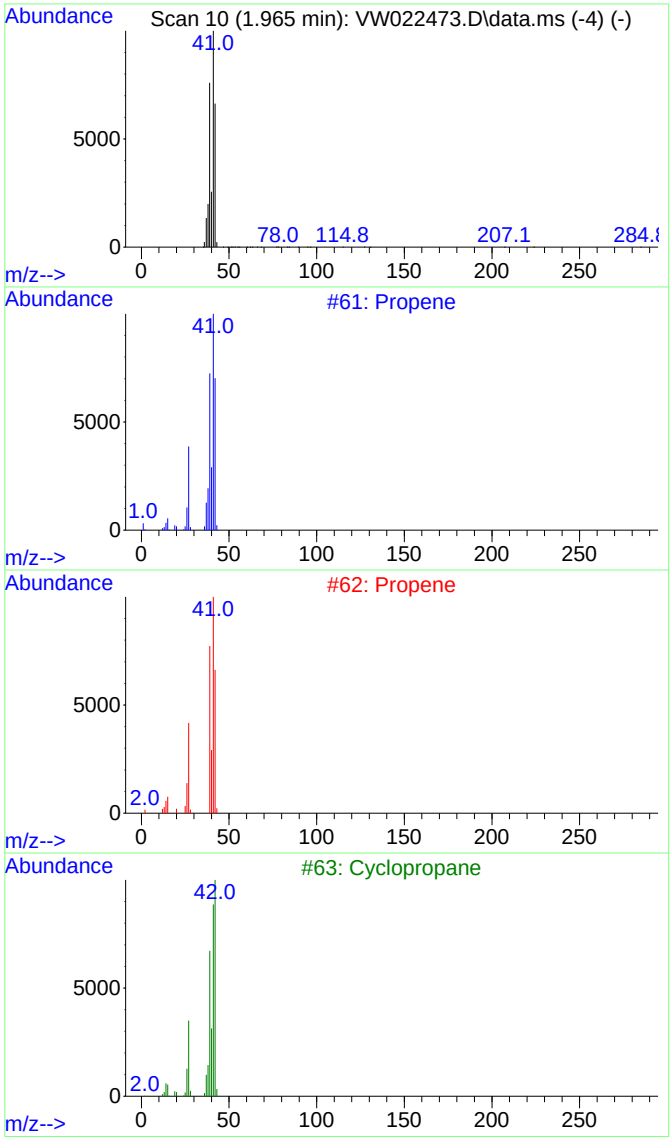
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

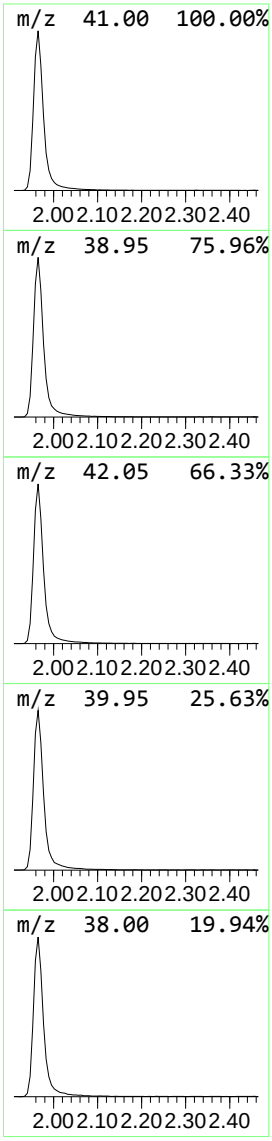
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.965	128.87 ug/L	6282950	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	64
3	Cyclopropane	42	C3H6	000075-19-4	64
4	Cyclopropane	42	C3H6	000075-19-4	14
5	Cyclopropene	40	C3H4	002781-85-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

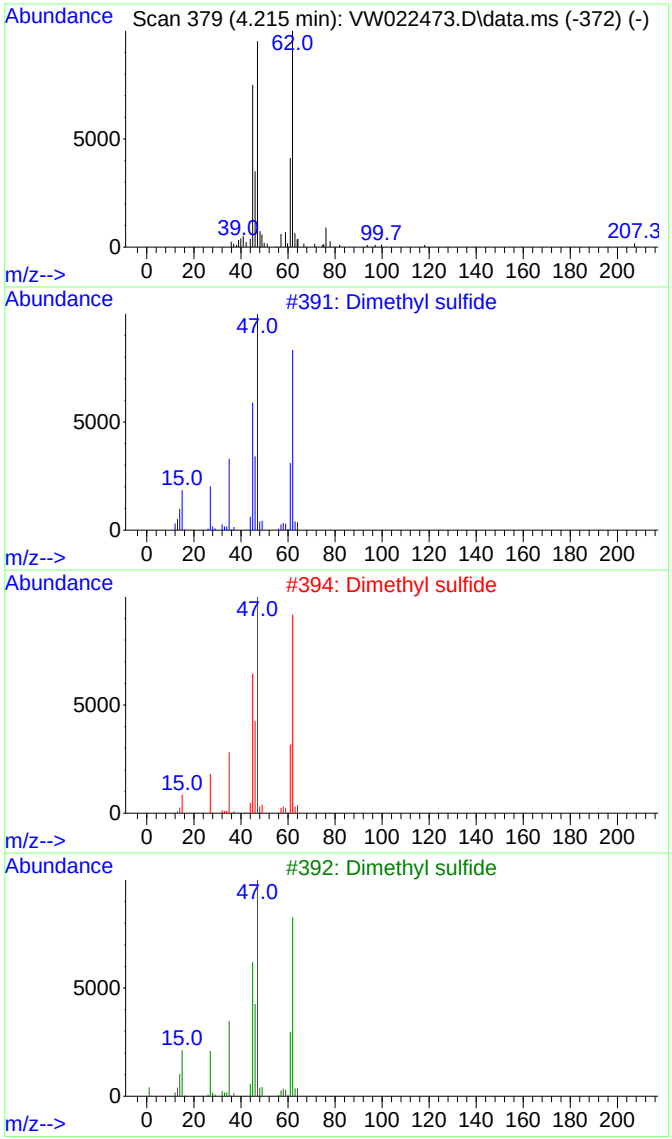
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

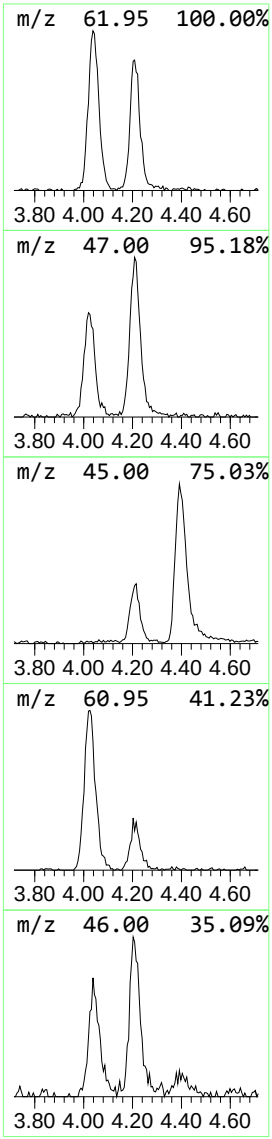
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dimethyl sulfide Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.215	1.74 ug/L	84596	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	91
2	Dimethyl sulfide	62	C2H6S	000075-18-3	90
3	Dimethyl sulfide	62	C2H6S	000075-18-3	86
4	Dimethyl sulfide	62	C2H6S	000075-18-3	86
5	Dimethyl sulfide	62	C2H6S	000075-18-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

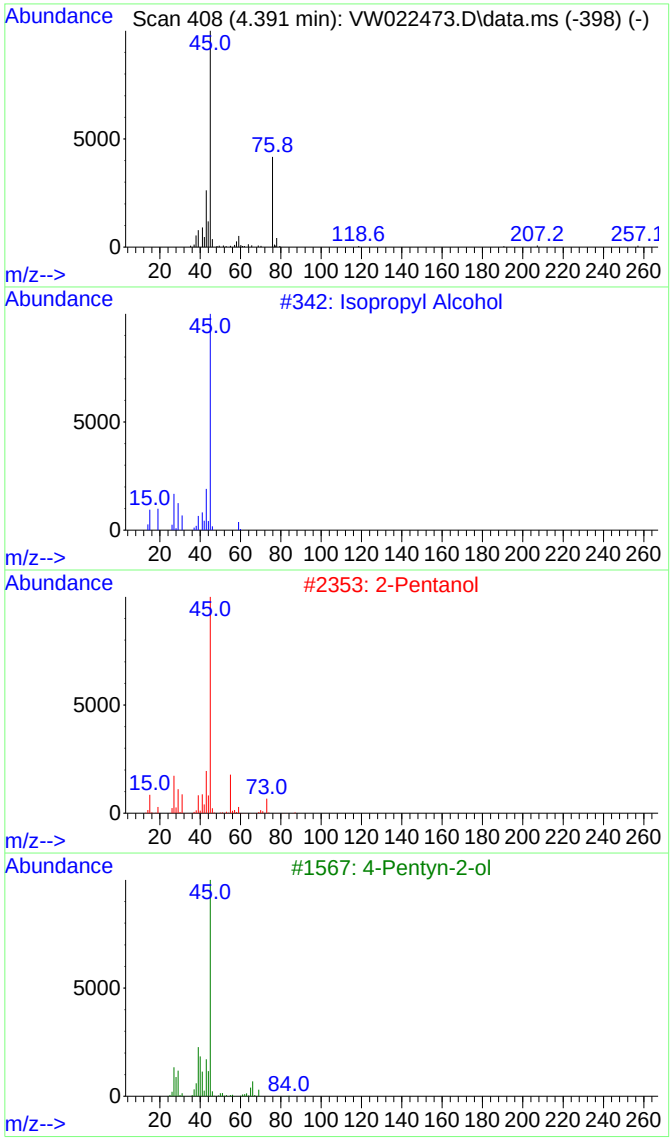
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

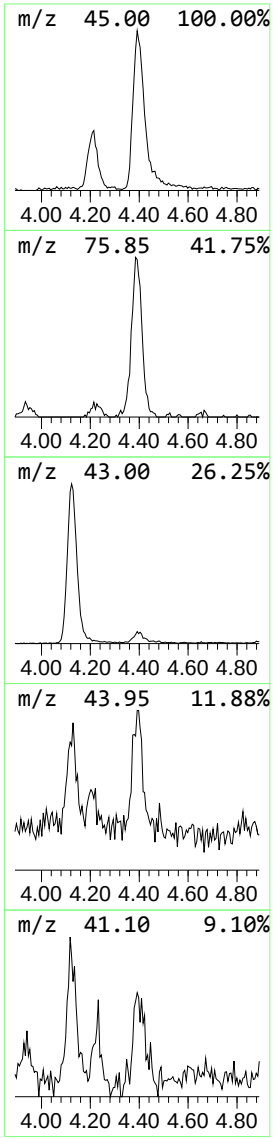
****

Peak Number 3 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.391	1.77 ug/L	86213	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	47
2	2-Pentanol	88	C5H12O	006032-29-7	33
3	4-Pentyn-2-ol	84	C5H8O	002117-11-5	28
4	(S)-(+)-2-Pentanol	88	C5H12O	026184-62-3	28
5	(R)-(-)-2-Pentanol	88	C5H12O	031087-44-2	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

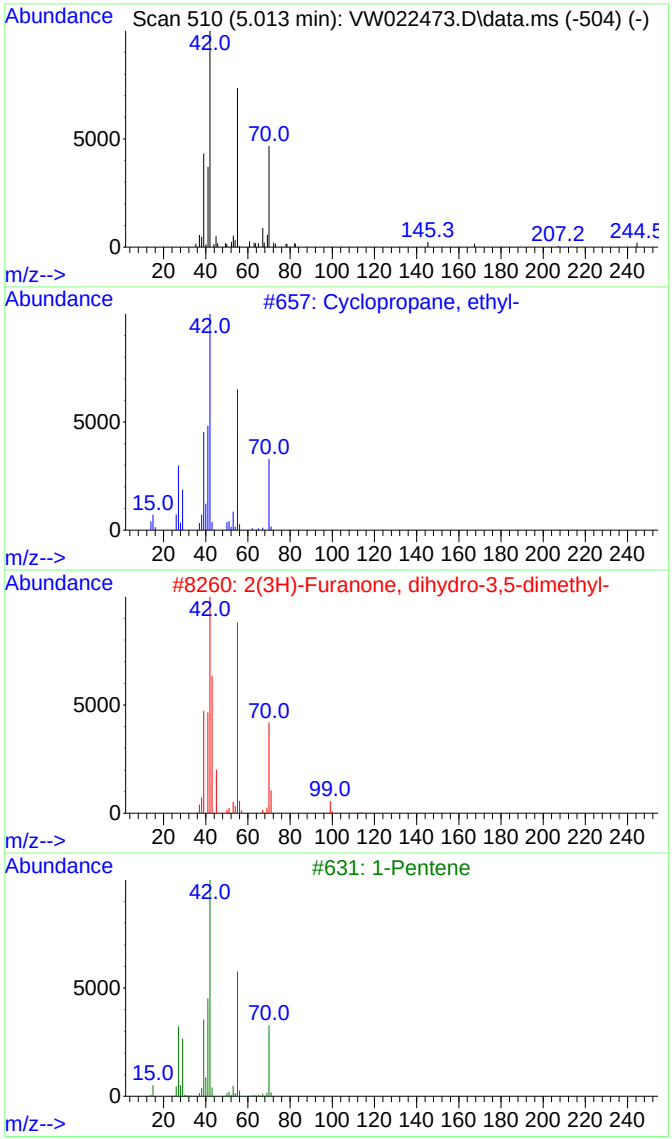
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

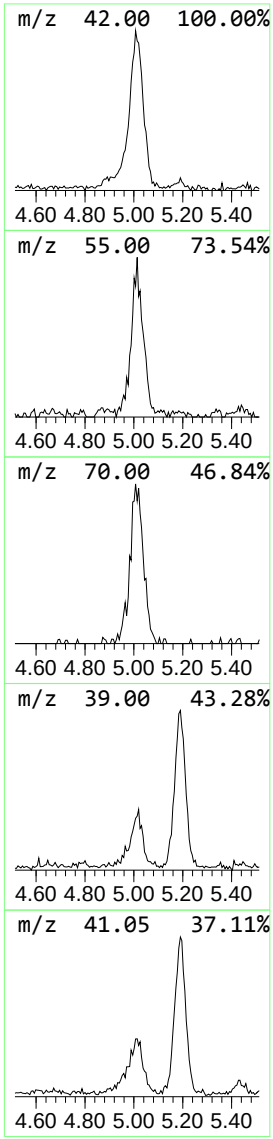
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic5.013 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.013	1.34 ug/L	65345	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
2	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	74
3	1-Pentene	70	C5H10	000109-67-1	58
4	1-Pentene	70	C5H10	000109-67-1	53
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

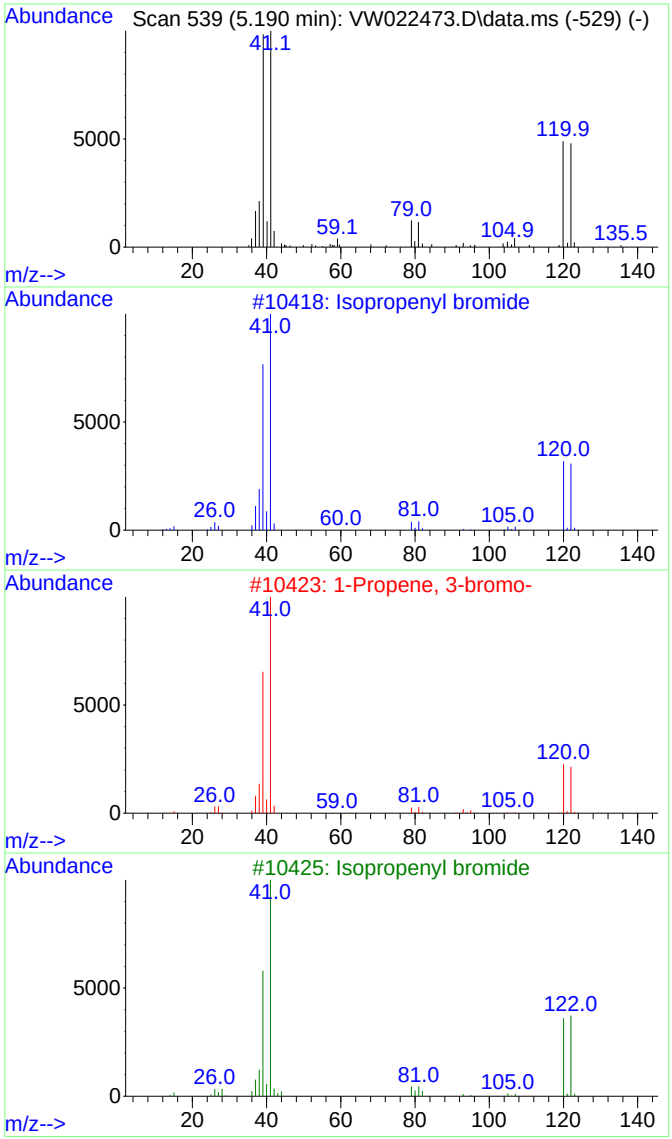
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

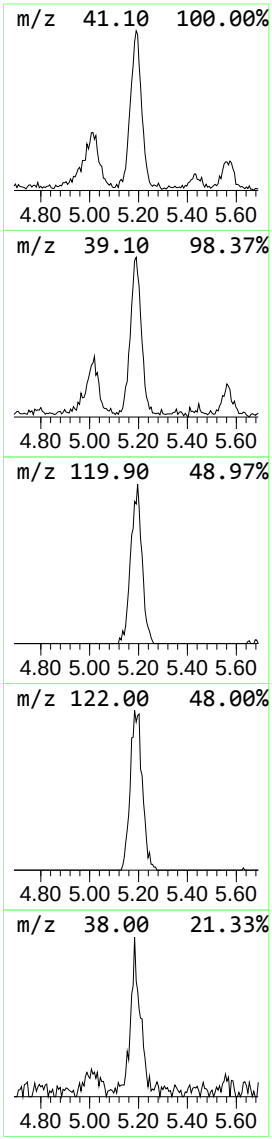
****

Peak Number 5 Isopropenyl bromide Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.190	1.83 ug/L	89138	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
2	1-Propene, 3-bromo-	120	C3H5Br	000106-95-6	91
3	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
4	1-Propene, 3-bromo-	120	C3H5Br	000106-95-6	83
5	1-Propyne, 3-bromo-	118	C3H3Br	000106-96-7	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

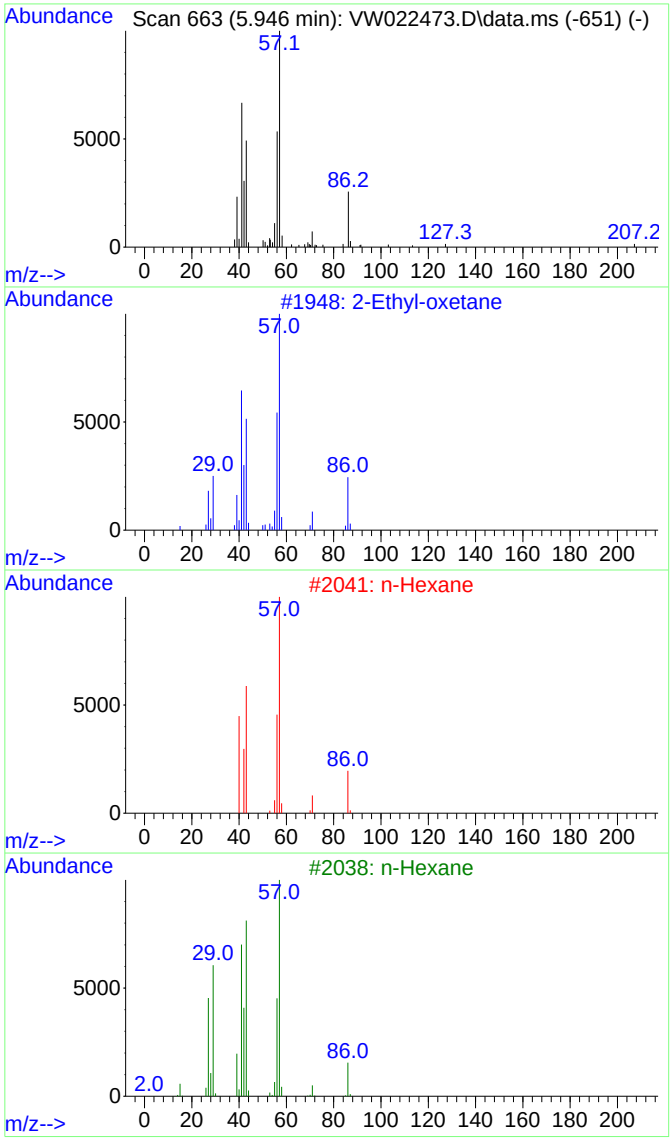
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

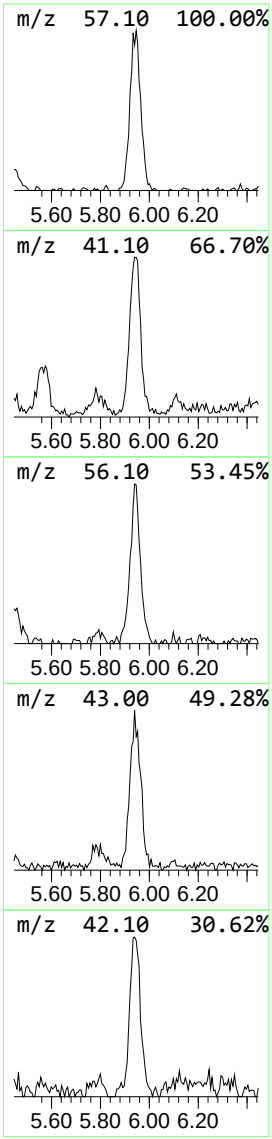
****

Peak Number 6 2-Ethyl-oxetane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.946	1.67 ug/L	81584	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	90
2	n-Hexane	86	C6H14	000110-54-3	86
3	n-Hexane	86	C6H14	000110-54-3	59
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	37
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

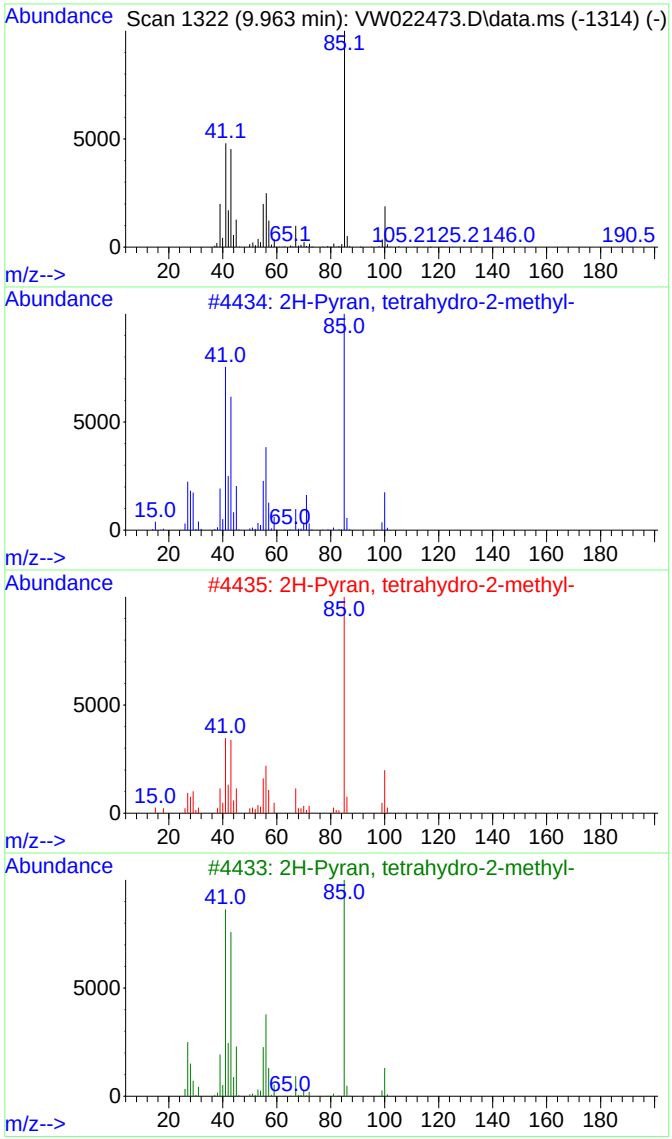
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

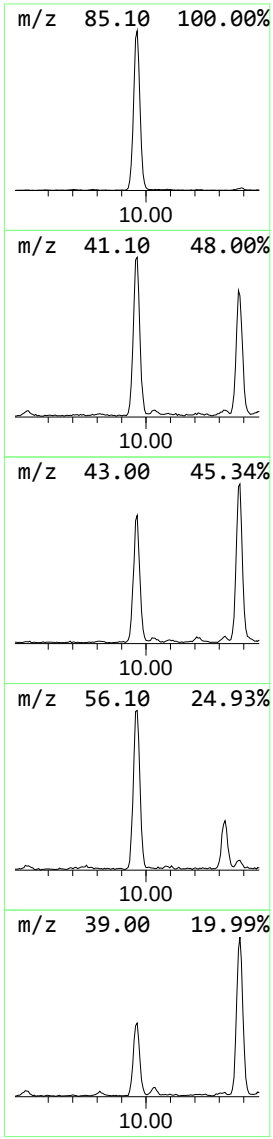
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.963	12.66 ug/L	617442	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	86
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	83
4	1-Methoxy-3-methyl-2-butene	100	C6H12O	022093-99-8	68
5	2H-Pyran-2-ol, tetrahydro-	102	C5H10O2	000694-54-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

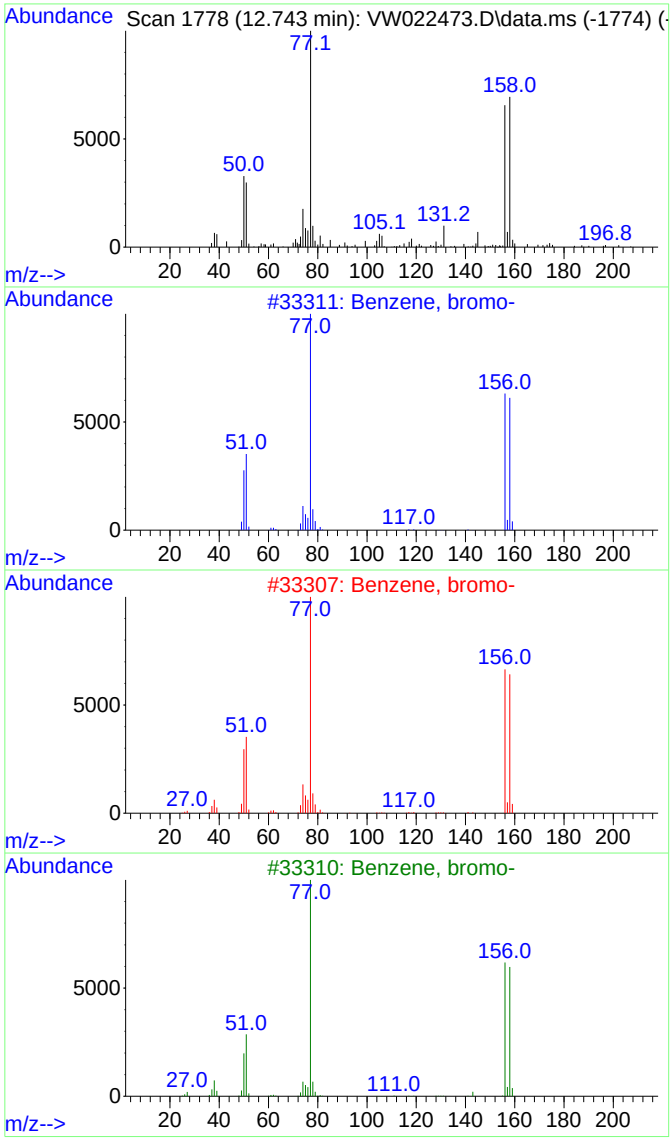
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

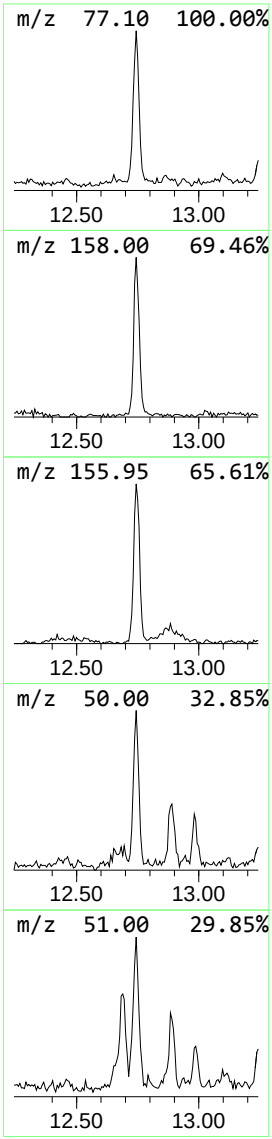
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, bromo- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.743	1.41 ug/L	98841	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	93
2	Benzene, bromo-	156	C6H5Br	000108-86-1	93
3	Benzene, bromo-	156	C6H5Br	000108-86-1	87
4	Benzene, bromo-	156	C6H5Br	000108-86-1	87
5	Benzene, bromo-	156	C6H5Br	000108-86-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

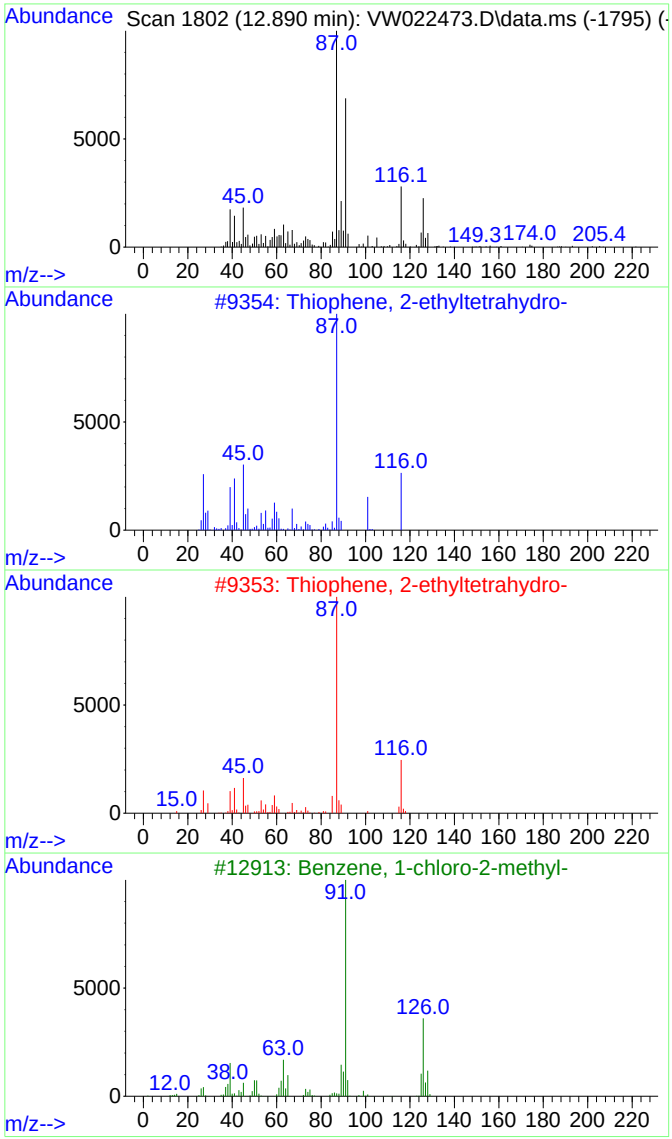
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

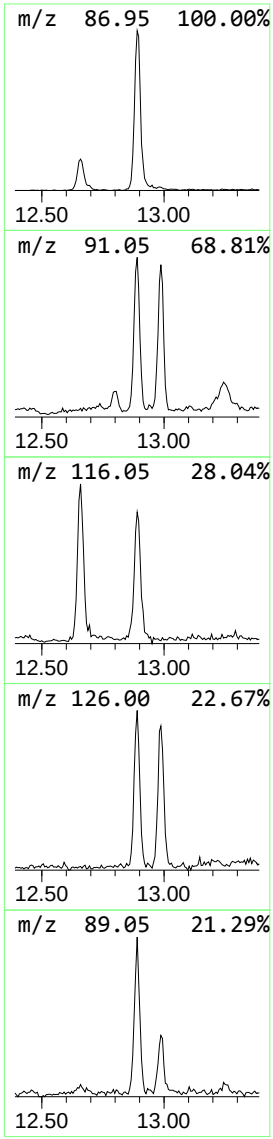
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Thiophene, 2-ethyltetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.890	4.41 ug/L	309387	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	64
2	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	64
3	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	56
4	Borinic acid, diethylthio-, meth...	116	C5H13BS	092276-84-1	50
5	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

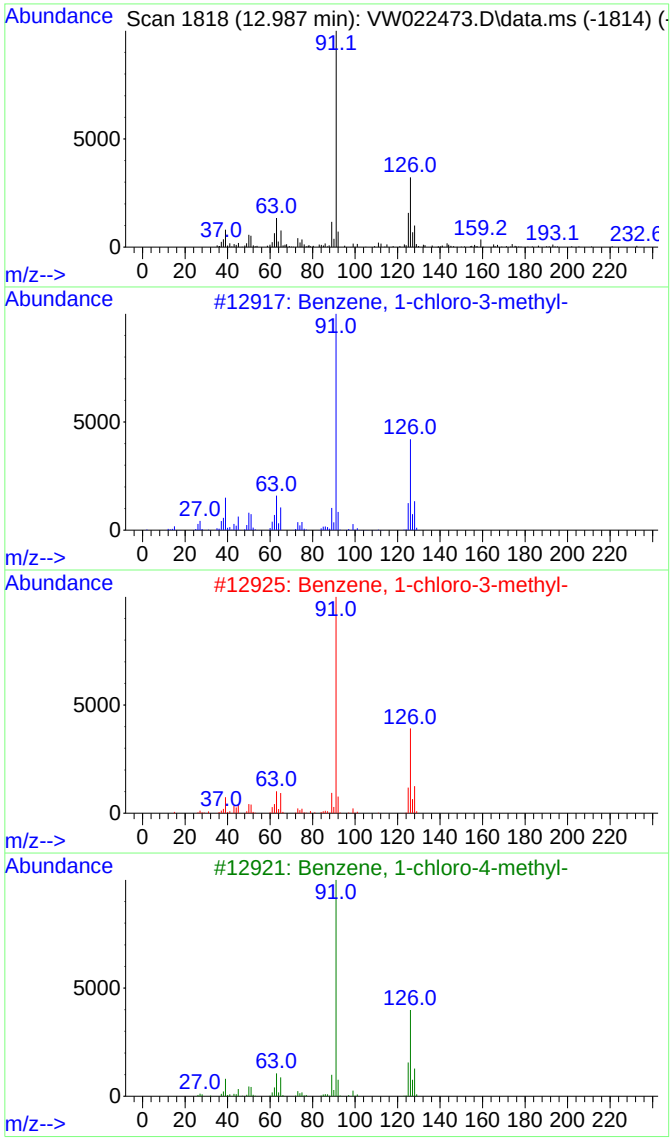
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

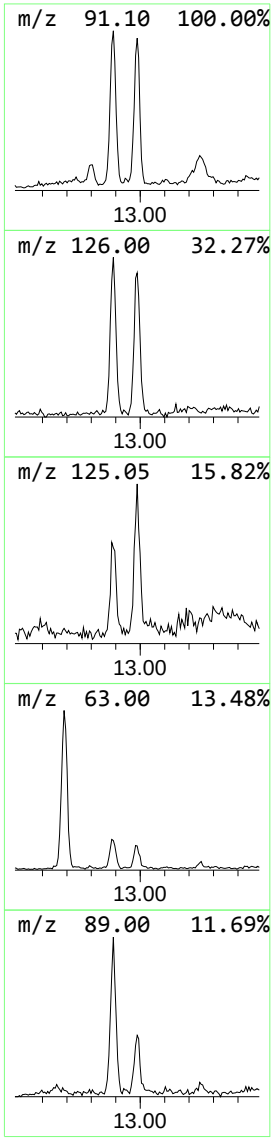
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-chloro-3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.987	1.36 ug/L	95344	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	95
2	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	94
3	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	93
4	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	90
5	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

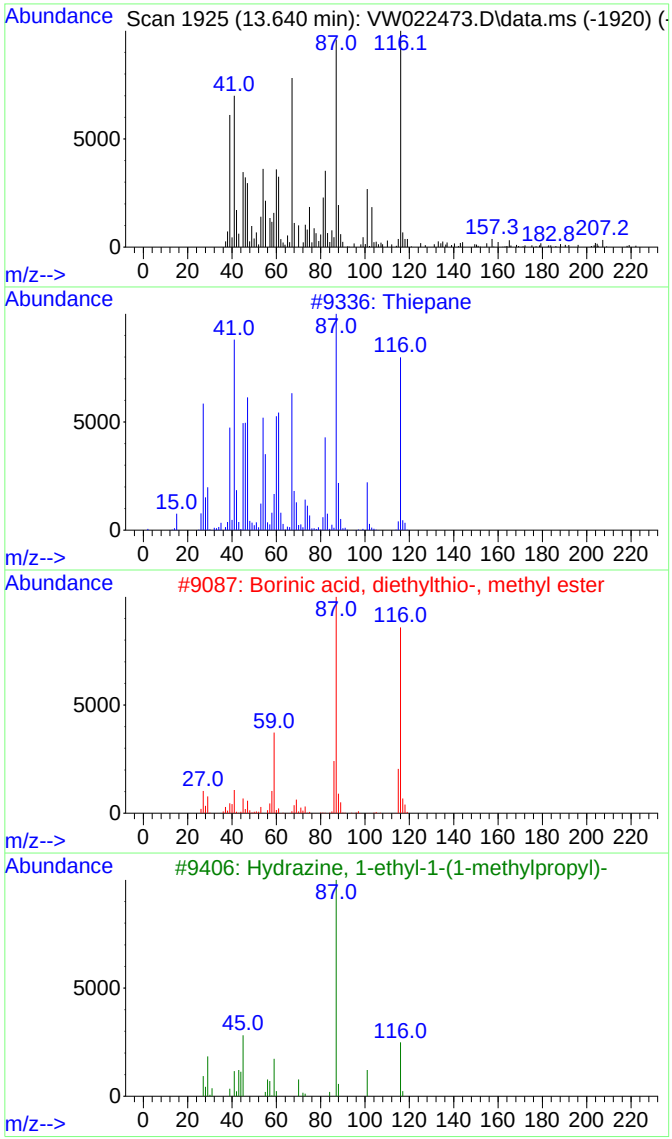
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

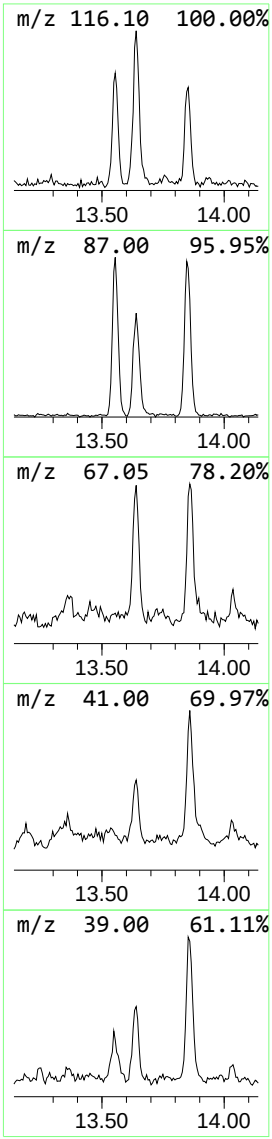
****

Peak Number 12 Thiepane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.640	2.89 ug/L	202397	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiepane	116	C6H12S	004753-80-4	87
2	Borinic acid, diethylthio-, meth...	116	C5H13BS	092276-84-1	38
3	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	38
4	4H-Thiopyran-4-one, tetrahydro-	116	C5H8OS	001072-72-6	30
5	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

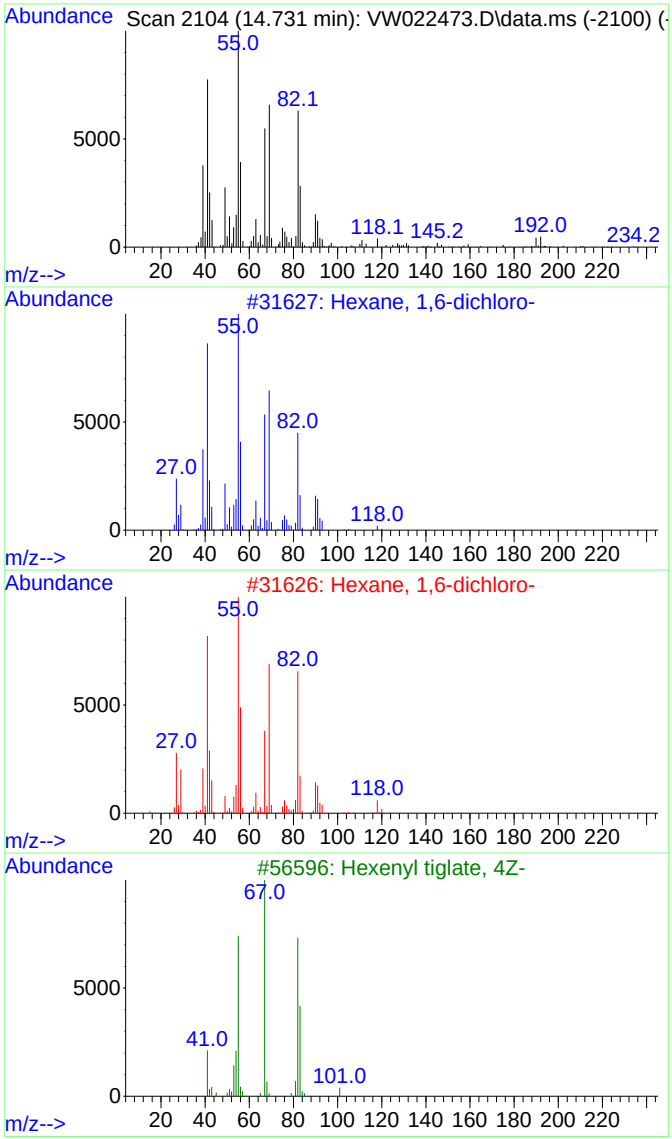
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

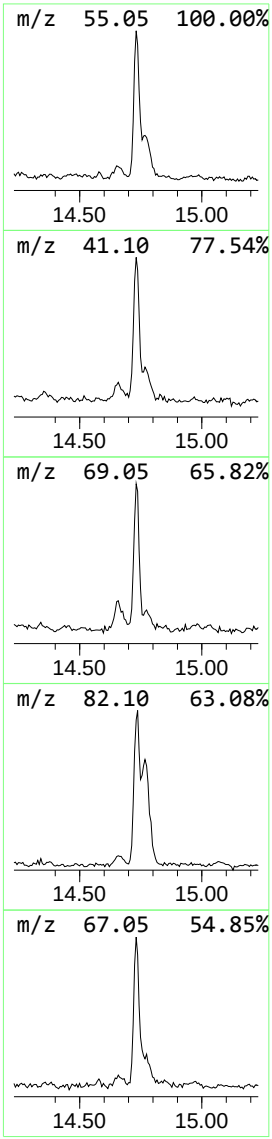
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Hexane, 1,6-dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	6.60 ug/L	462708	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	86
2	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	47
3	Hexenyl tiglate, 4Z-	182	C11H18O2	1000383-63-6	27
4	Glutaric acid, di(hex-4-en-1-yl)...	296	C17H28O4	1010405-31-1	27
5	Succinic acid, nonyl trans-hex-3...	326	C19H34O4	1000353-43-2	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

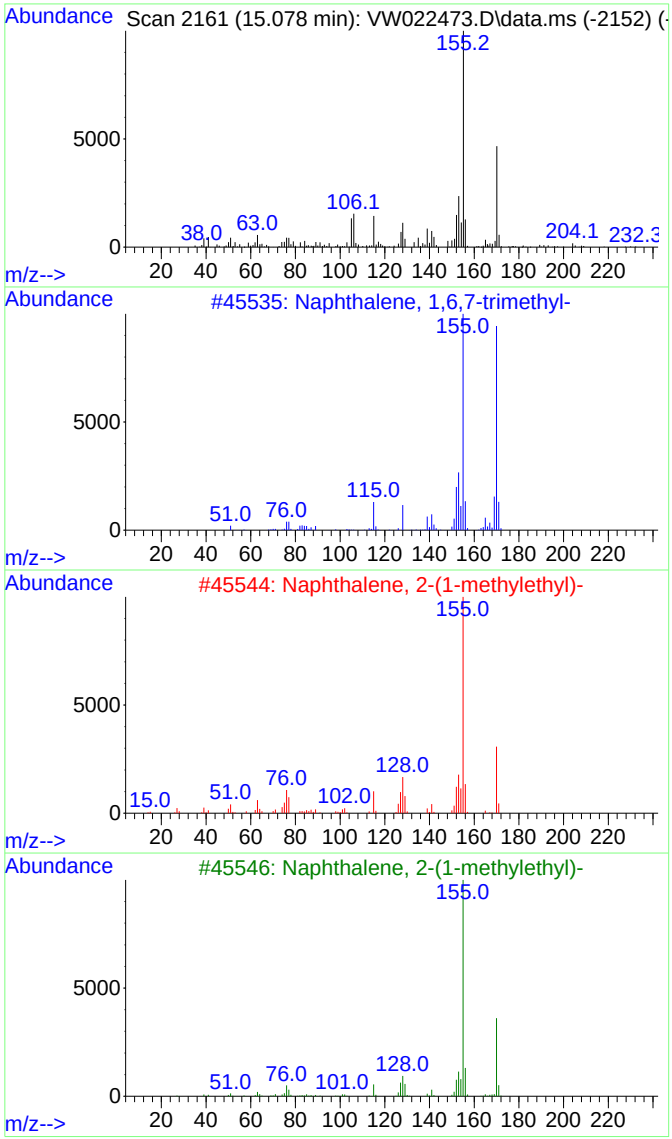
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

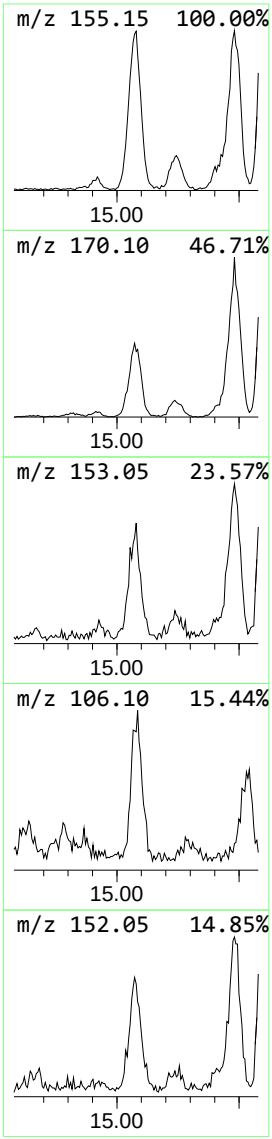
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.078	5.90 ug/L	414060	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

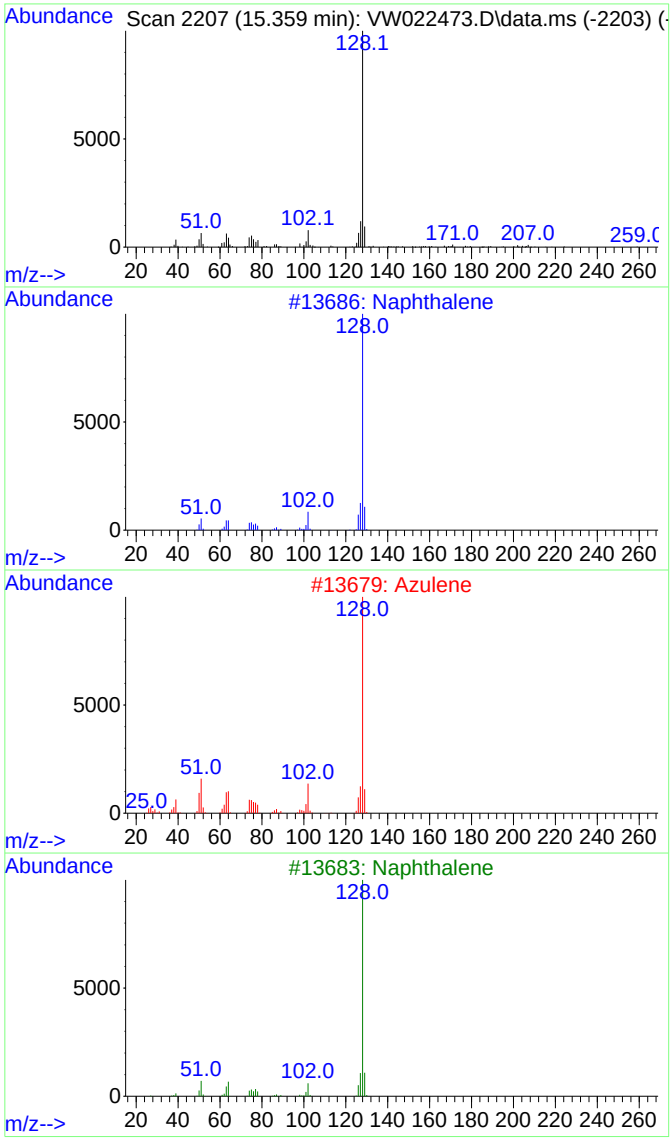
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

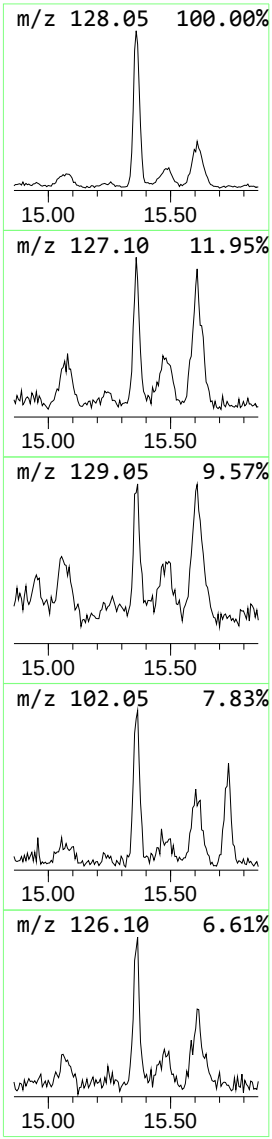
****

Peak Number 15 Azulene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	1.47 ug/L	102944	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	Naphthalene	128	C10H8	000091-20-3	90
4	Naphthalene	128	C10H8	000091-20-3	90
5	Azulene	128	C10H8	000275-51-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

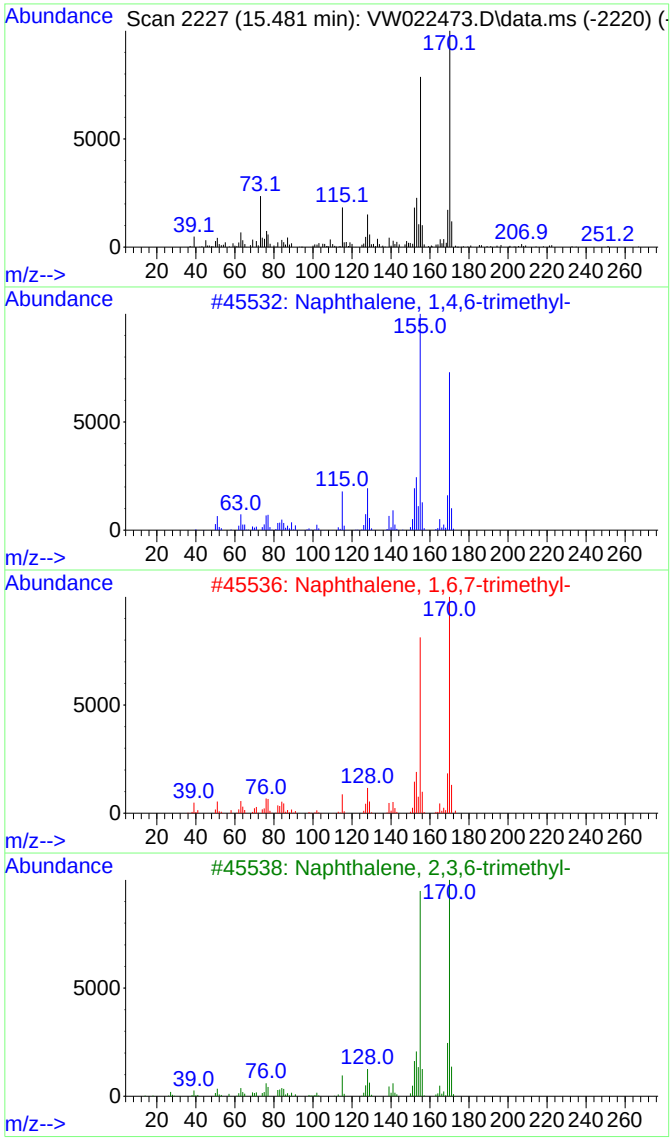
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

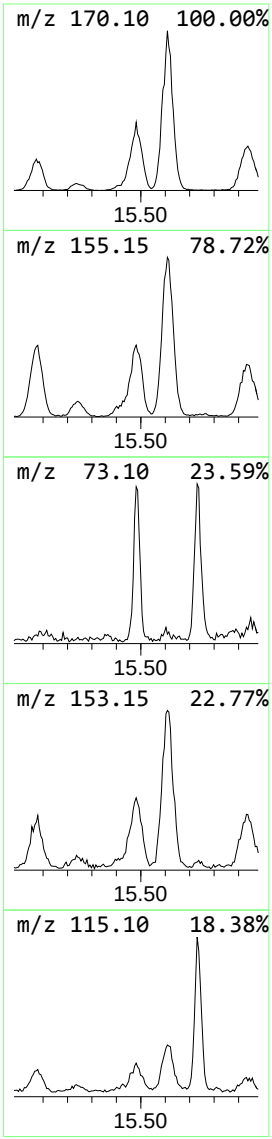
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.481	6.00 ug/L	420666	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

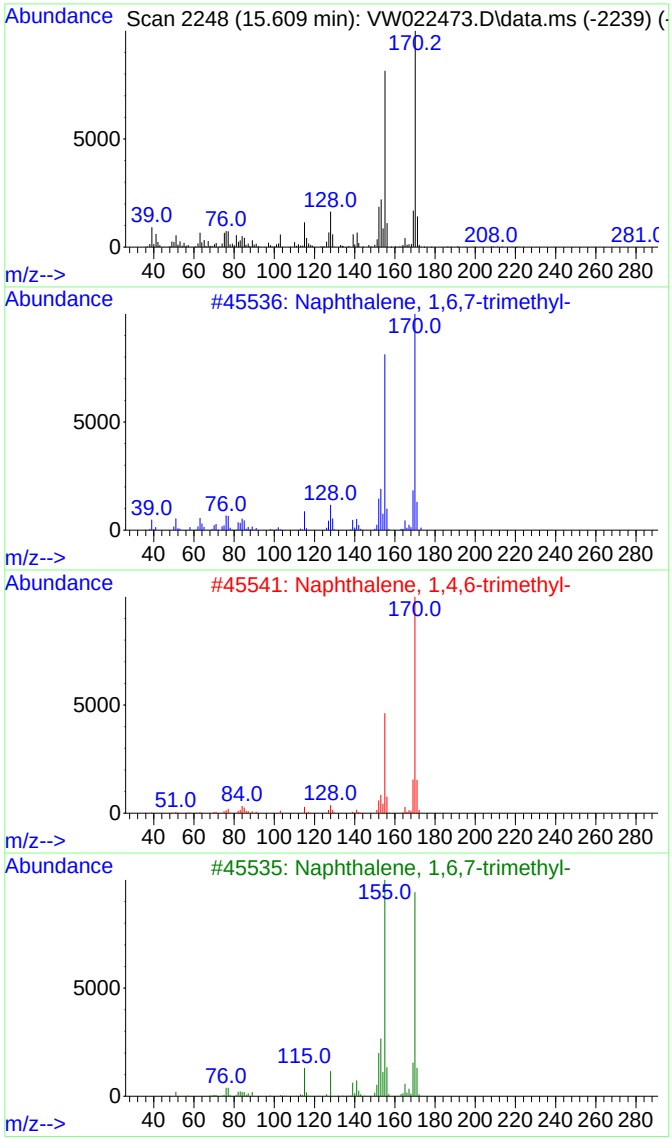
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

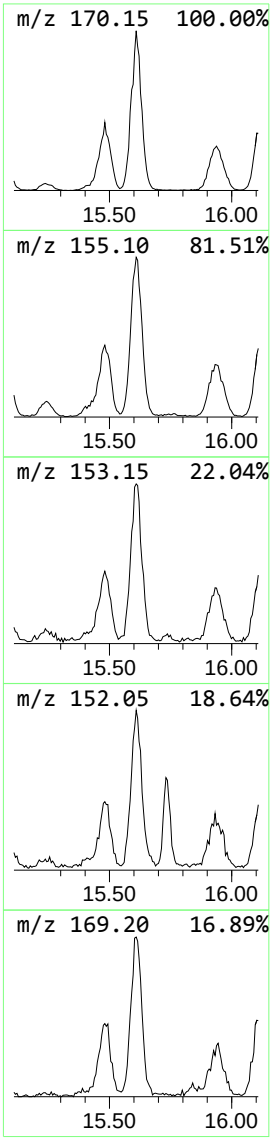
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.609	15.77 ug/L	1106250	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

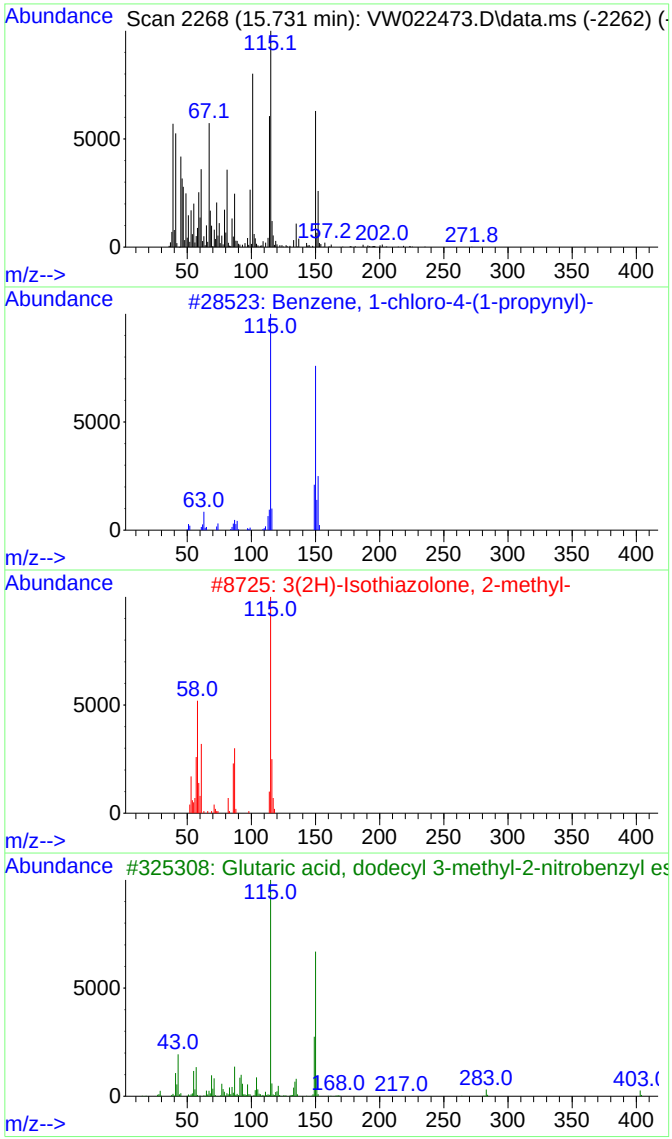
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

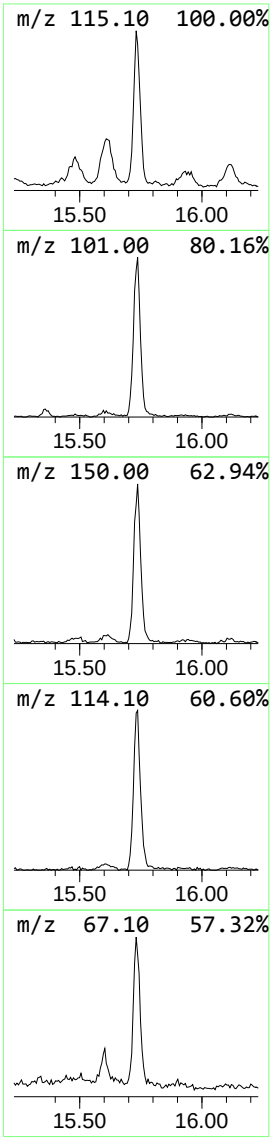
****

Peak Number 18 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	8.79 ug/L	616897	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-4-(1-propynyl)-	150	C9H7Cl	002809-65-6	43
2	3(2H)-Isothiazolone, 2-methyl-	115	C4H5NOS	002682-20-4	22
3	Glutaric acid, dodecyl 3-methyl-...	449	C25H39NO6	1000376-74-2	14
4	3(2H)-Isothiazolone, 2-methyl-	115	C4H5NOS	002682-20-4	11
5	1,2,4-Thiadiazole, 5-amino-	101	C2H3N3S	007552-07-0	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

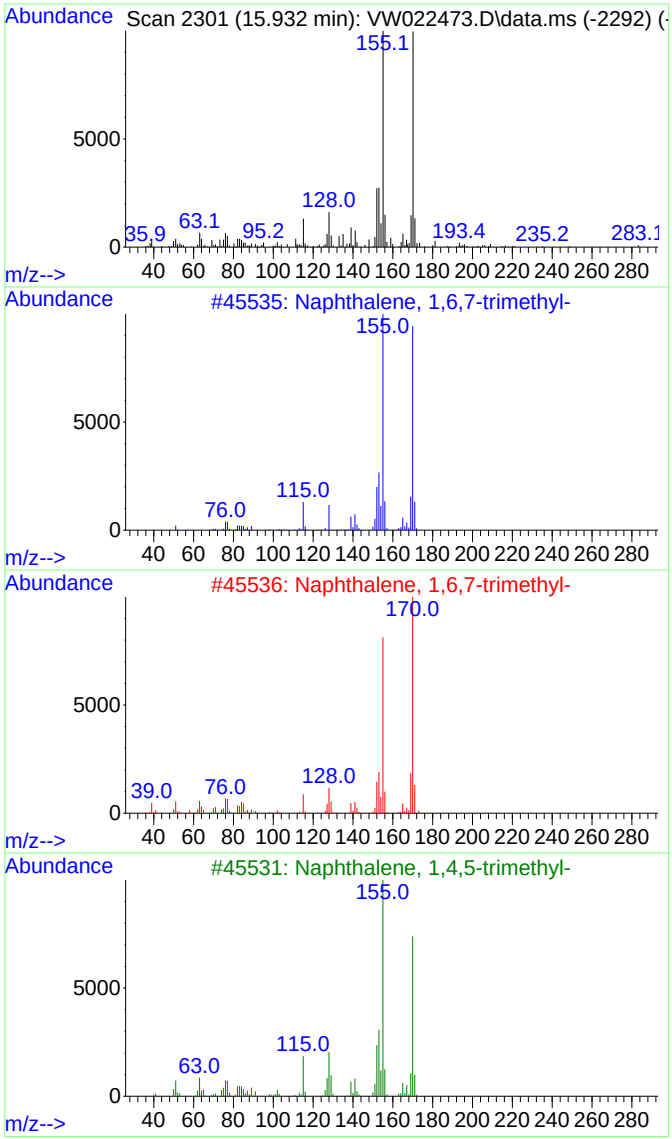
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

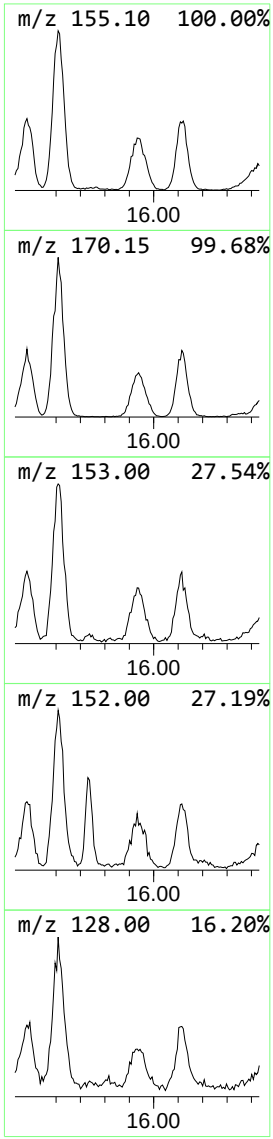
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 1,4,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.932	7.03 ug/L	493277	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

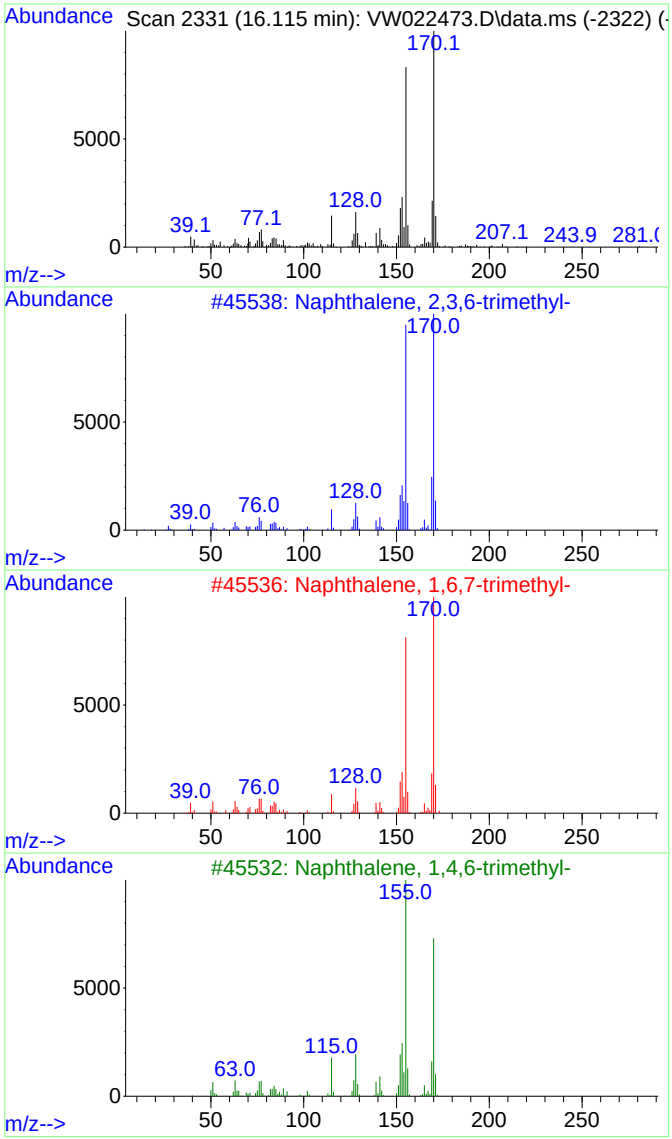
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

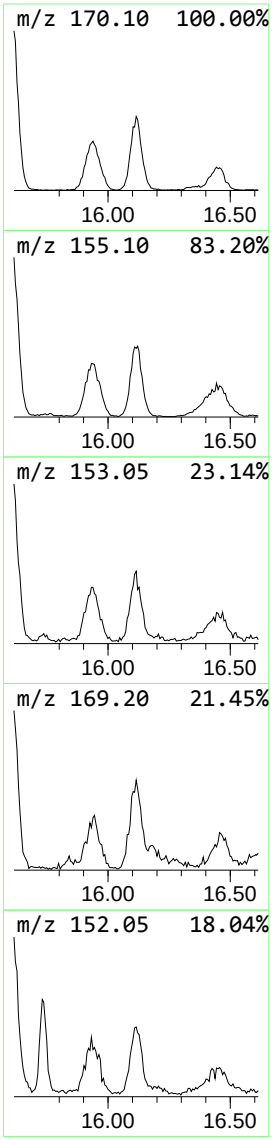
****

Peak Number 20 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.115	6.56 ug/L	460140	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

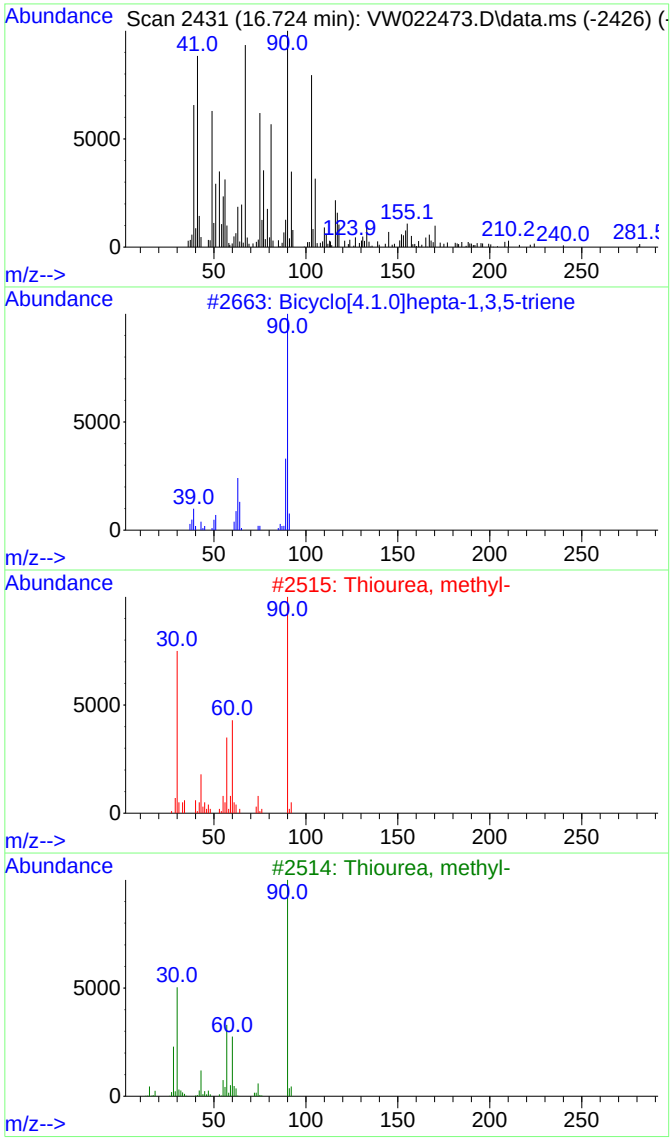
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

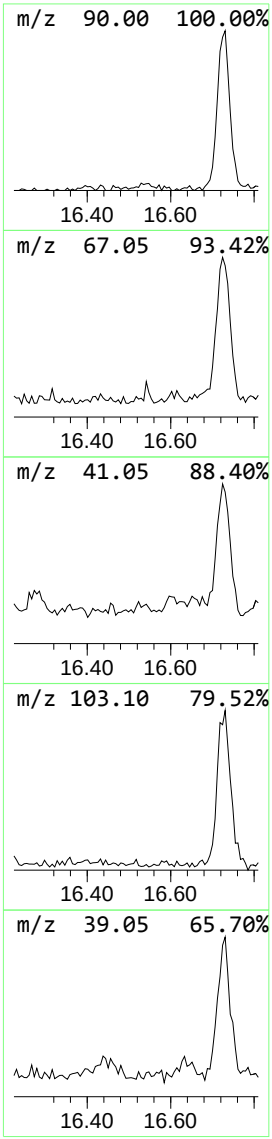
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.724	2.62 ug/L	183808	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	27
2	Thiourea, methyl-	90	C2H6N2S	000598-52-7	27
3	Thiourea, methyl-	90	C2H6N2S	000598-52-7	27
4	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	25
5	1-Hexene, 3-chloro-	118	C6H11Cl	053101-38-5	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022473.D
Acq On : 08 Apr 2022 18:56
Operator : SY/VA
Sample : N2293-21
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.965	128.9	ug/L	6282950	1	8.842	1218860	25.0
Dimethyl sulfide	4.215	1.7	ug/L	84596	1	8.842	1218860	25.0
unknown-01	4.391	1.8	ug/L	86213	1	8.842	1218860	25.0
(DEL) Alkane: C...	5.013	1.3	ug/L	65345	1	8.842	1218860	25.0
Isopropenyl bro...	5.190	1.8	ug/L	89138	1	8.842	1218860	25.0
2-Ethyl-oxetane	5.946	1.7	ug/L	81584	1	8.842	1218860	25.0
2H-Pyran, tetra...	9.963	12.7	ug/L	617442	1	8.842	1218860	25.0
Benzene, bromo-	12.743	1.4	ug/L	98841	3	13.554	1753640	25.0
Thiophene, 2-et...	12.890	4.4	ug/L	309387	3	13.554	1753640	25.0
Benzene, 1-chlo...	12.987	1.4	ug/L	95344	3	13.554	1753640	25.0
Thiepane	13.640	2.9	ug/L	202397	3	13.554	1753640	25.0
Hexane, 1,6-dic...	14.731	6.6	ug/L	462708	3	13.554	1753640	25.0
Naphthalene, 1,...	15.078	5.9	ug/L	414060	3	13.554	1753640	25.0
Azulene	15.359	1.5	ug/L	102944	3	13.554	1753640	25.0
Naphthalene, 1,...	15.481	6.0	ug/L	420666	3	13.554	1753640	25.0
Naphthalene, 2,...	15.609	15.8	ug/L	1106250	3	13.554	1753640	25.0
unknown-02	15.731	8.8	ug/L	616897	3	13.554	1753640	25.0
Naphthalene, 1,...	15.932	7.0	ug/L	493277	3	13.554	1753640	25.0
unknown-03	16.115	6.6	ug/L	460140	3	13.554	1753640	25.0
unknown-04	16.724	2.6	ug/L	183808	3	13.554	1753640	25.0