LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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: VW022513.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.958	4	9	28	rVB	1024624	1584994	0.82%	0.268%
2	2.355	68	74	83	rBV	123740	218345	0.11%	0.037%
3	2.495	93	97	104	rBV	29554	57461	0.03%	0.010%
4	2.641	116	121	127	rBV3	9042	20346	0.01%	0.003%
5	2.885	154	161	169	rBV	79238	172328	0.09%	0.029%
6	3.891	316	326	332	rBV4	7412	20880	0.01%	0.004%
7	4.019	336	347	360	rVV3	131047	406657	0.21%	0.069%
8	5.190	529	539	550	rVB3	29388	95074	0.05%	0.016%
9	5.787	627	637	647	rVB5	7553	25953	0.01%	0.004%
10	5.939	652	662	674	rVB4	18375	56738	0.03%	0.010%
11	6.116	681	691	696	rBV8	9227	28574	0.01%	0.005%
12	6.202	698	705	707	rBV4	13475	26581	0.01%	0.004%
13	6.531	748	759	760	rBV4	12096	26465	0.01%	0.004%
14	6.555	760	763	770	rVV3	16352	45819	0.02%	0.008%
15	6.628	770	775	783	rVB2	13320	35223	0.02%	0.006%
16	6.994	824	835	841	rVV3	13263	40579	0.02%	0.007%
17	7.080	841	849	858	rVV	48158	138700	0.07%	0.023%
18	7.171	858	864	875	rVV4	12825	38472	0.02%	0.007%
19	7.646	932	942	958	rVB	245388	605026	0.31%	0.102%
20	7.957	980	993	1001	rBV5	20948	61383	0.03%	0.010%
21	8.274	1031	1045	1047	rBV	445151	879098	0.45%	0.149%
22	8.323	1047	1053	1063	rVV	1509321	3549459	1.84%	0.601%
23	8.451	1070	1074	1080	rVB6	8779	18796	0.01%	0.003%
24	8.567	1088	1093	1105	rVB3	12885	35009	0.02%	0.006%
25	8.726	1116	1119	1126	rVB5	10984	20456	0.01%	0.003%
26	8.841	1126	1138	1152	rBV	527662	1048292	0.54%	0.177%
27	8.988	1152	1162	1168	rBV	405664	748835	0.39%	0.127%
28	9.043	1168	1171	1177	rVV2	27140	46027	0.02%	0.008%
29	9.274	1200	1209	1216	rBV	330195	730952	0.38%	0.124%
30	9.963	1309	1322	1328	rBV	266619	545621	0.28%	0.092%
31	10.036	1328	1334	1343	rVB	168196	310235	0.16%	0.053%
32	10.323	1373	1381	1386	rBV	648341	1153395	0.60%	0.195%
33	10.384	1386	1391	1400	rVB2	1002166	1768104	0.92%	0.299%
34	10.579	1416	1423	1434	rBV	109625	216283	0.11%	0.037%
35	10.719	1437	1446	1447	rVV4	35898	66780	0.03%	0.011%
36	10.756	1447	1452	1459	rVV	206042	368598	0.19%	0.062%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
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Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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	10.926	1473	1480	1494	rBV2	575462	1140759	0.59%	0.193%
38	11.182	1515	1522	1525	rBV3	17882	29411	0.02%	0.005%
39	11.408	1551	1559	1568	rVB	174722	301202	0.16%	0.051%
40	11.560	1573	1584	1589	rBV	7588209	12305023	6.37%	2.083%
41	11.627	1589	1595	1598	rBV2	5409965	9782176	5.06%	1.656%
42	11.731	1606	1612	1620	rVB	1405097	2345105	1.21%	0.397%
43	11.835	1621	1629	1640	rVV3	131284	381470	0.20%	0.065%
44	11.963	1643	1650	1655	rVB6	18534	32969	0.02%	0.006%
45	12.060	1661	1666	1672	rVB	293753	491354	0.25%	0.083%
46	12.164	1678	1683	1688	rBV	76308	116978	0.06%	0.020%
47	12.219	1688	1692	1702	rVB2	59309	109140	0.06%	0.018%
48	12.408	1719	1723	1728	rVB2	16772	22485	0.01%	0.004%
49	12.463	1728	1732	1736	rBV3	20195	33073	0.02%	0.006%
50	12.554	1736	1747	1751	rBV	661111	1110421	0.57%	0.188%
51	12.603	1751	1755	1761	rVV	2323118	3637154	1.88%	0.616%
52	12.658	1761	1764	1766	rVV2	112000	165459	0.09%	0.028%
53	12.743	1766	1778	1785	rVV	4236011	8148197	4.22%	1.379%
54	12.798	1785	1787	1792	rVB2	42952	58798	0.03%	0.010%
55	12.865	1792	1798	1801	rBV	90051	156910	0.08%	0.027%
56	12.896	1801	1803	1806	rVB	35952	37777	0.02%	0.006%
57	12.938	1806	1810	1816	rVB	82786	139146	0.07%	0.024%
58	13.011	1816	1822	1826	rBV9	17737	38789	0.02%	0.007%
59	13.060	1826	1830	1833	rBV2	22017	32291	0.02%	0.005%
60	13.103	1833	1837	1846	rVB	84172	138034	0.07%	0.023%
61	13.188	1846	1851	1854	rBV6	13151	23436	0.01%	0.004%
62	13.249	1854	1861	1874	rVB2	225613	538153	0.28%	0.091%
63	13.444	1885	1893	1898	rBV	117626	223861	0.12%	0.038%
64	13.554	1904	1911	1921	rBV2	1041353	2005603	1.04%	0.339%
65	13.639	1921	1925	1928	rVV2	156575	264186	0.14%	0.045%
66	13.682	1928	1932	1937	rVB	226464	362079	0.19%	0.061%
67	13.853	1949	1960	1969	rVB3	800063	2156220	1.12%	0.365%
68	13.938	1970	1974	1977	rBV3	26132	41823	0.02%	0.007%
69	13.975	1978	1980	1983	rVV4	22976	32711	0.02%	0.006%
70	14.036	1983	1990	2000	rVV	8763493	13242790	6.85%	2.241%
71	14.145	2000	2008	2013	rVB6	58714	143038	0.07%	0.024%
72	14.212	2013	2019	2025	rBV	7263317	11074796	5.73%	1.874%
73	14.261	2025	2027	2032	rVV	196001	280037	0.14%	0.047%
74	14.316	2032	2036	2038	rVV	143434	225149	0.12%	0.038%
75	14.371	2038	2045	2048	rVV2	233159	567003	0.29%	0.096%
76	14.420	2048	2053	2055	rVV2	708980	1176447	0.61%	0.199%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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	14.468	2055	2061	2073	rVV	43618792	63271729	32.75%	10.708%
78	14.584	2073	2080	2093	rVB	3662298	5860620	3.03%	0.992%
79	14.743	2098	2106	2113	rBV3	86925730	193225406	100.00%	32.703%
80	14.828	2114	2120	2129	rVB	8654951	13620231	7.05%	2.305%
81	14.962	2137	2142	2143	rBV	69520	97295	0.05%	0.016%
82	15.005	2143	2149	2161	rVV	9060148	14558637	7.53%	2.464%
83	15.115	2161	2167	2172	rVV3	460082	1003544	0.52%	0.170%
84	15.157	2172	2174	2179	rVV	218663	331541	0.17%	0.056%
85	15.218	2179	2184	2193	rVV	1145535	1973695	1.02%	0.334%
86	15.291	2193	2196	2199	rVV3	34053	62637	0.03%	0.011%
87	15.334	2199	2203	2213	rVB4	69600	197496	0.10%	0.033%
88	15.554	2231	2239	2245	rBV	67396468	126782154	65.61%	21.457%
89	15.608	2245	2248	2251	rVV	2209039	3862835	2.00%	0.654%
90	15.639	2251	2253	2260	rVB	2016362	2858095	1.48%	0.484%
91	15.718	2260	2266	2280	rVB2	454296	1104533	0.57%	0.187%
92	15.858	2281	2289	2297	rBV2	2835272	5201772	2.69%	0.880%
93	15.956	2301	2305	2317	rVB4	88177	260282	0.13%	0.044%
94	16.108	2318	2330	2338	rVB4	197642	547050	0.28%	0.093%
95	16.218	2340	2348	2349	rBV2	31027	53563	0.03%	0.009%
96	16.261	2349	2355	2367	rVB2	153847	323378	0.17%	0.055%
97	16.492	2369	2393	2401	rBV3	10924283	30248703	15.65%	5.119%
98	16.560	2401	2404	2408	rVV	443149	847396	0.44%	0.143%
99	16.614	2408	2413	2422	rVB	1195485	2447524	1.27%	0.414%
100	16.730	2422	2432	2441	rBV	16535236	33793576	17.49%	5.719%

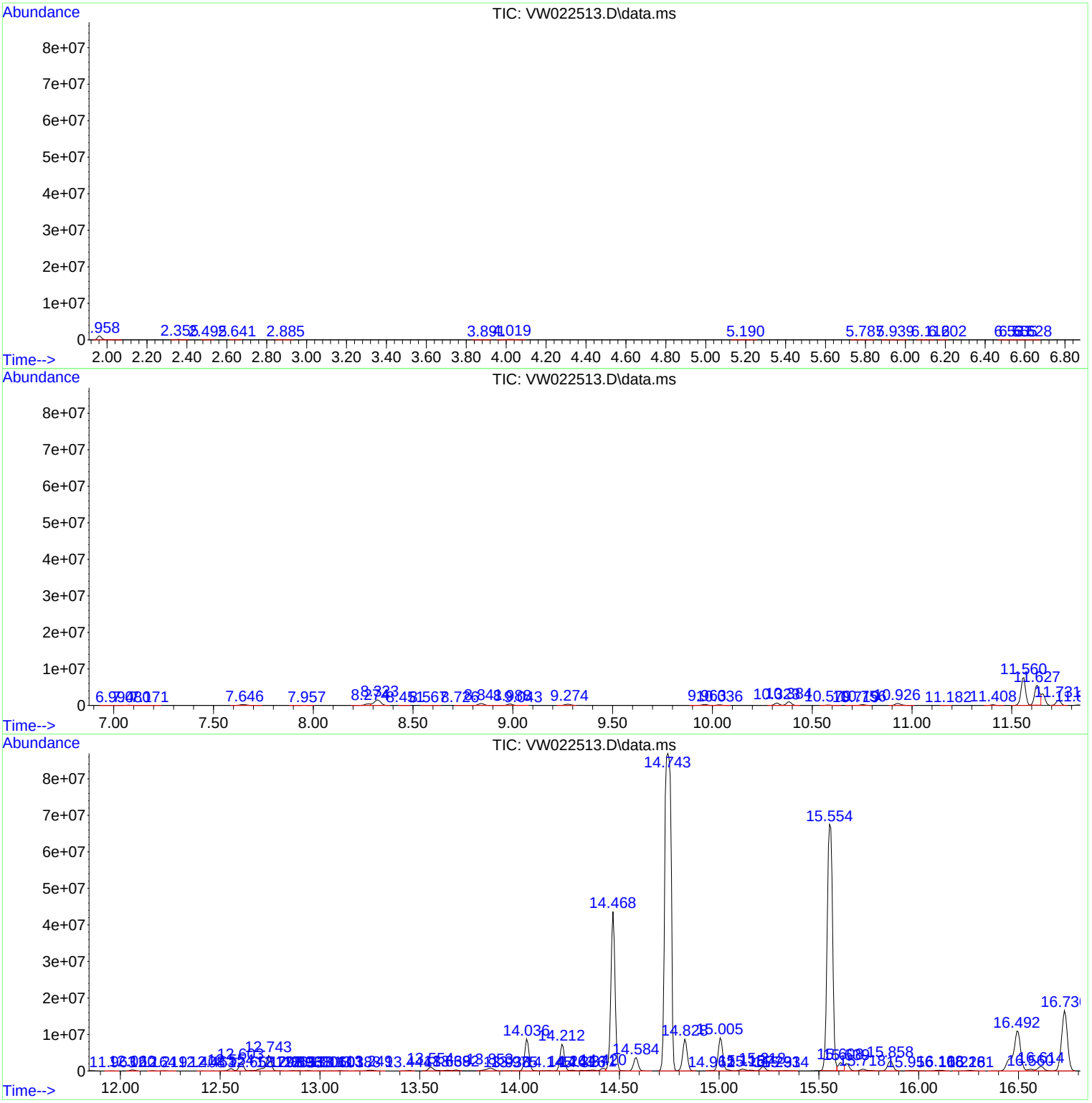
Sum of corrected areas: 590856683

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

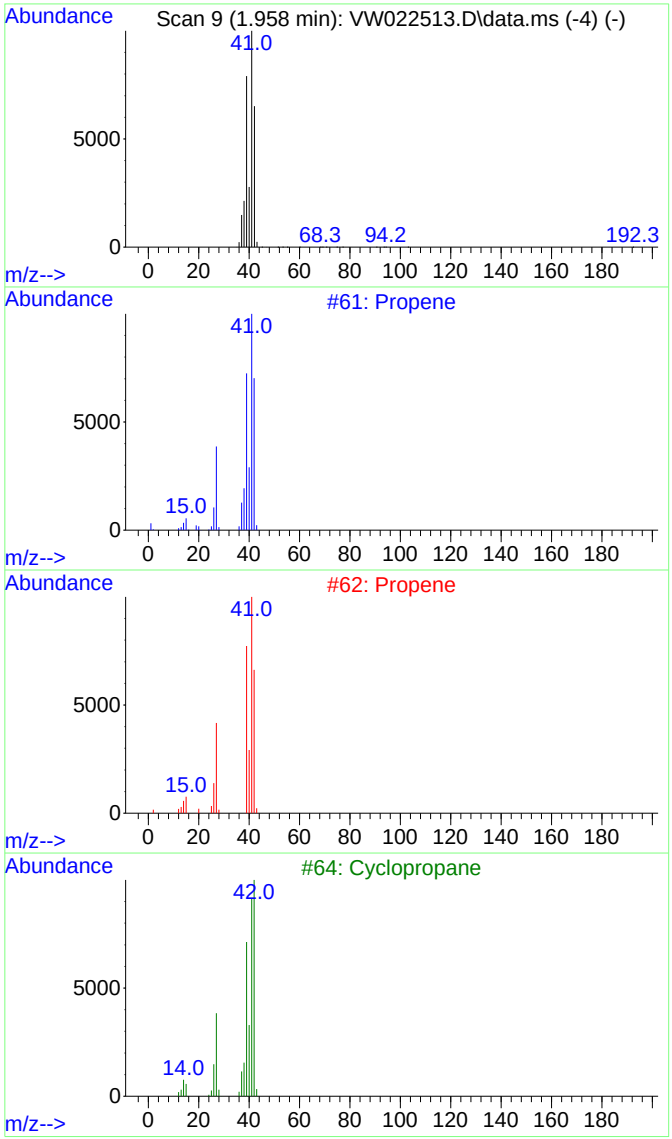
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

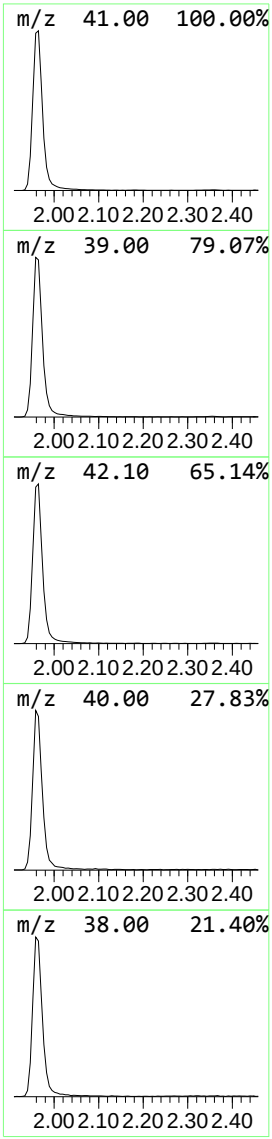
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.958	37.80 ug/L	1584990	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	59
3	Cyclopropane	42	C3H6	000075-19-4	10
4	Cyclopropene	40	C3H4	002781-85-3	10
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

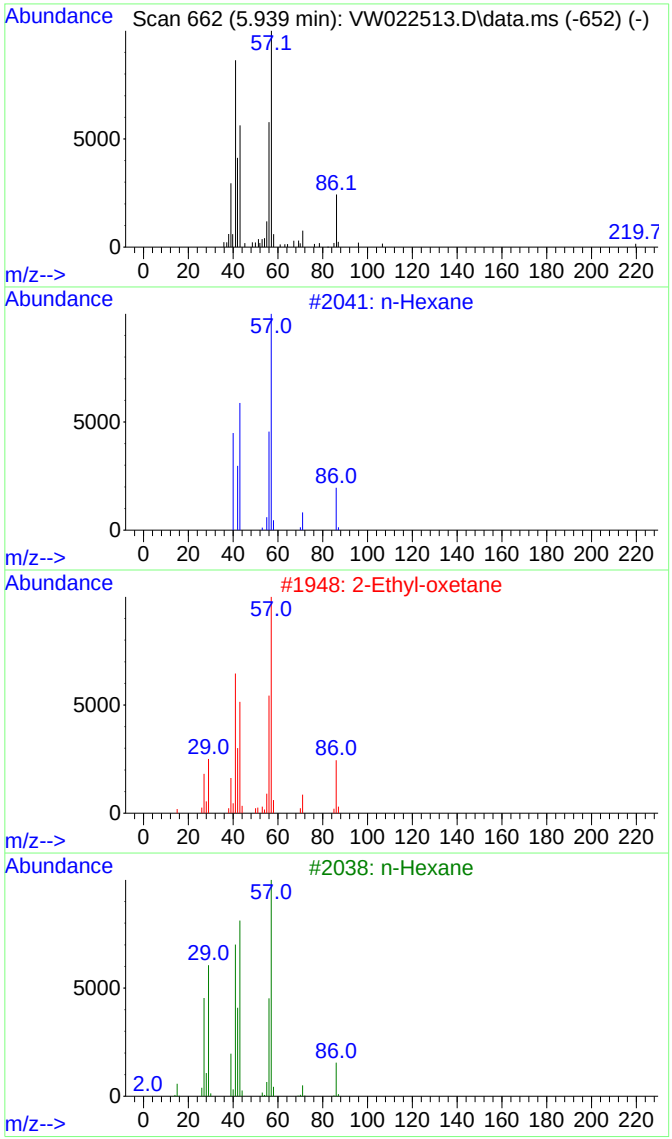
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

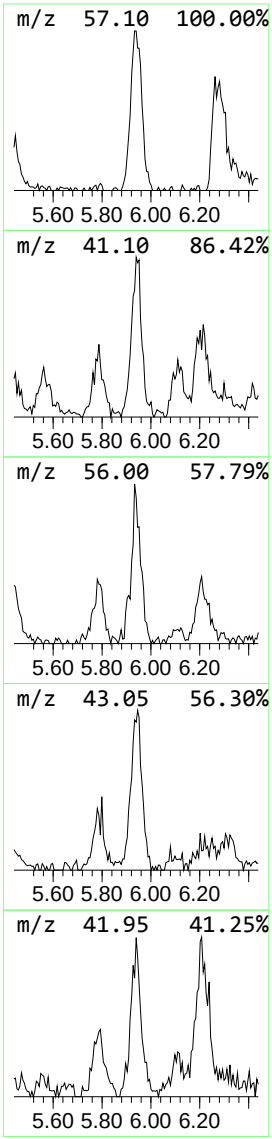
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.939	1.35 ug/L	56738	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	74
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	62
3	n-Hexane	86	C6H14	000110-54-3	56
4	n-Hexane	86	C6H14	000110-54-3	53
5	n-Hexane	86	C6H14	000110-54-3	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

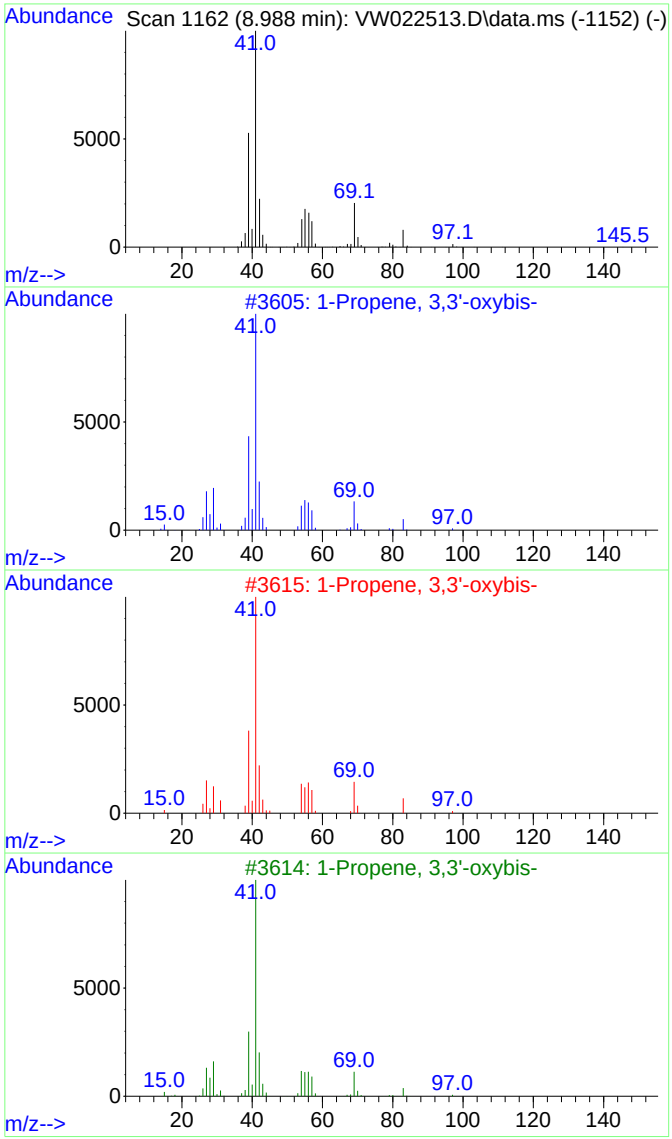
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

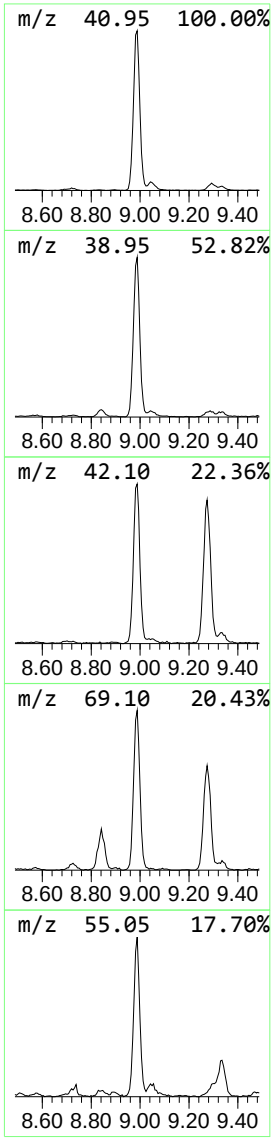
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Propene, 3,3'-oxybis- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.988	17.86 ug/L	748835	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	52
2	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	50
3	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	47
4	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	43
5	4-Heptenal, (Z)-	112	C7H12O	006728-31-0	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

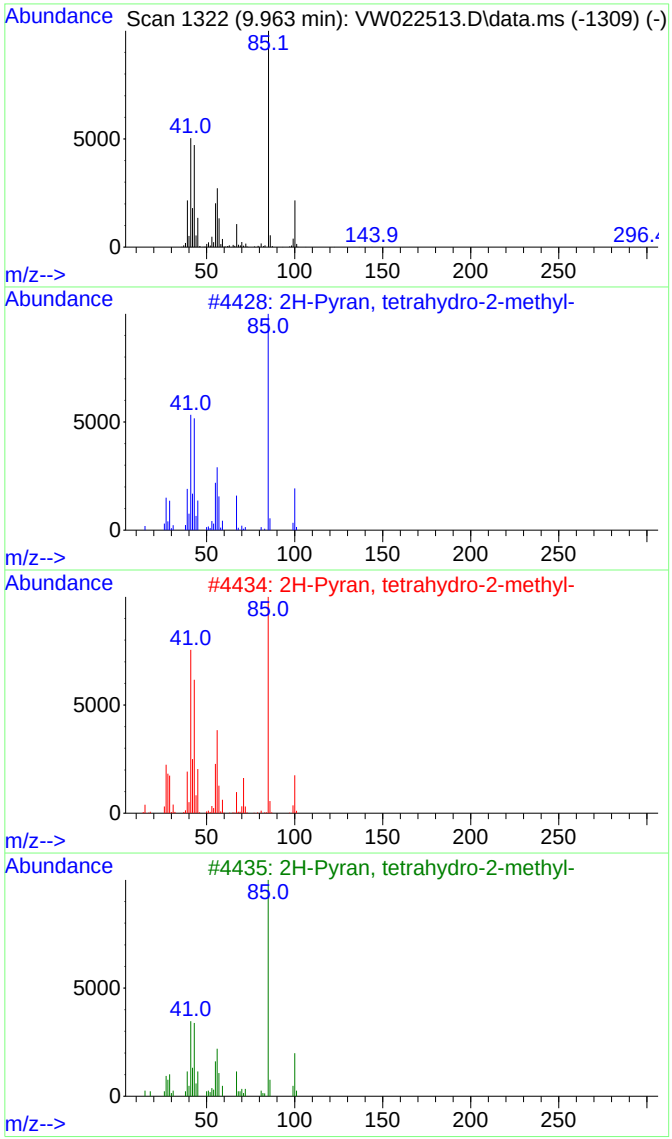
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

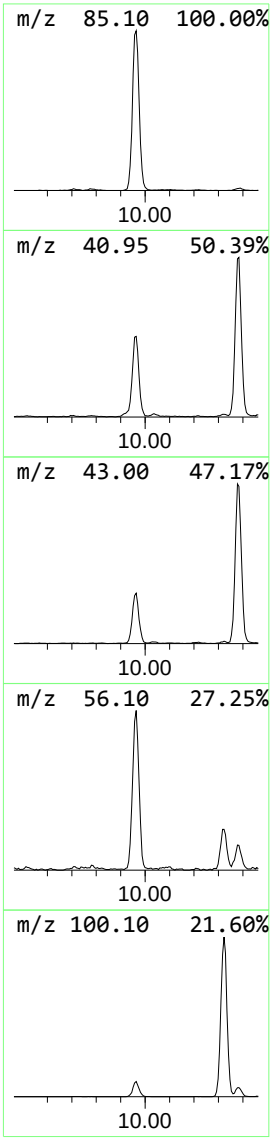
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.963	13.01 ug/L	545621	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	94
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	86
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	83
5	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

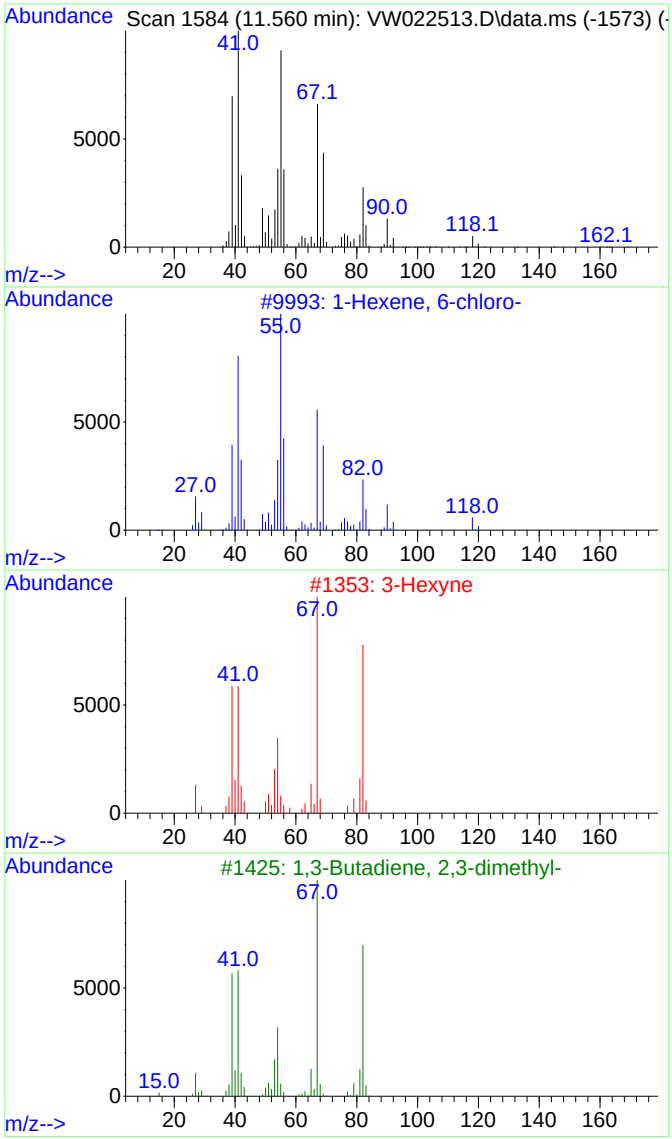
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

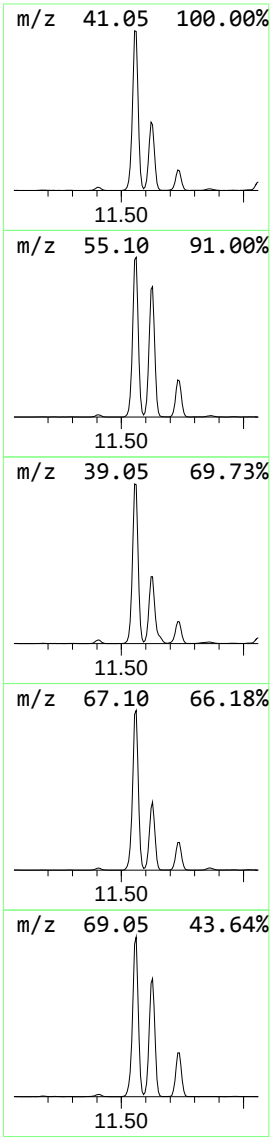
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1-Hexene, 6-chloro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.560	31.45 ug/L	12305000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 6-chloro-	118	C6H11Cl	000928-89-2	95
2	3-Hexyne	82	C6H10	000928-49-4	58
3	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	52
4	1-Hexanol, 6-chloro-	136	C6H13ClO	002009-83-8	50
5	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	43





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Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

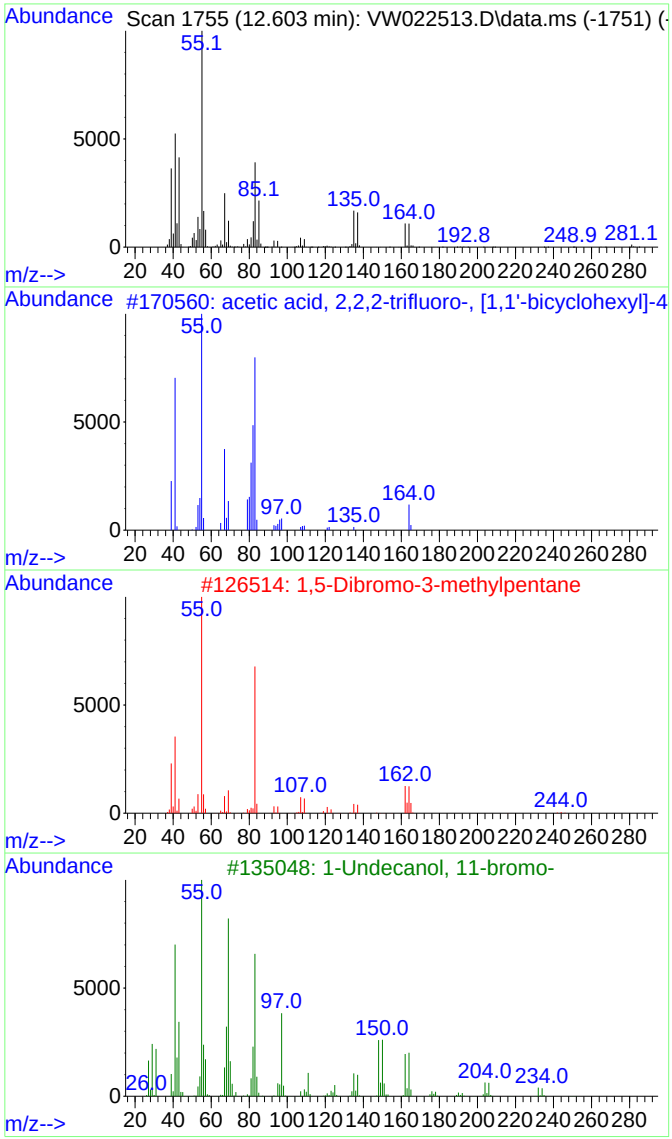
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

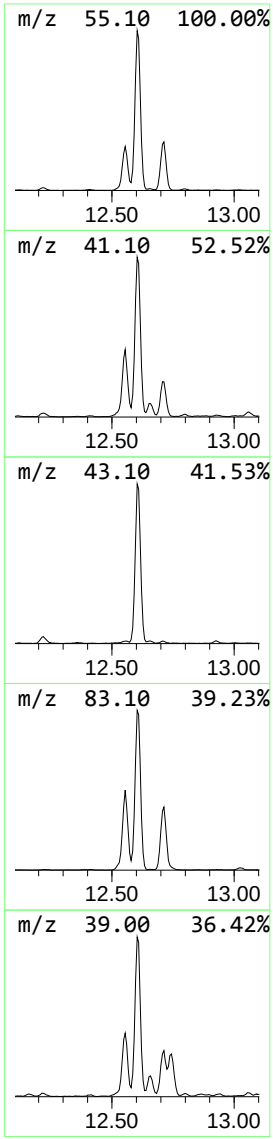
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.603	45.34 ug/L	3637150	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	acetic acid, 2,2,2-trifluoro-, [...	278	C14H21F3O2	1000397-13-2	47
2	1,5-Dibromo-3-methylpentane	242	C6H12Br2	004457-72-1	43
3	1-Undecanol, 11-bromo-	250	C11H23BrO	001611-56-9	43
4	2,6-Nonadienal, 3,7-dimethyl-	166	C11H18O	041448-29-7	43
5	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	43





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Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

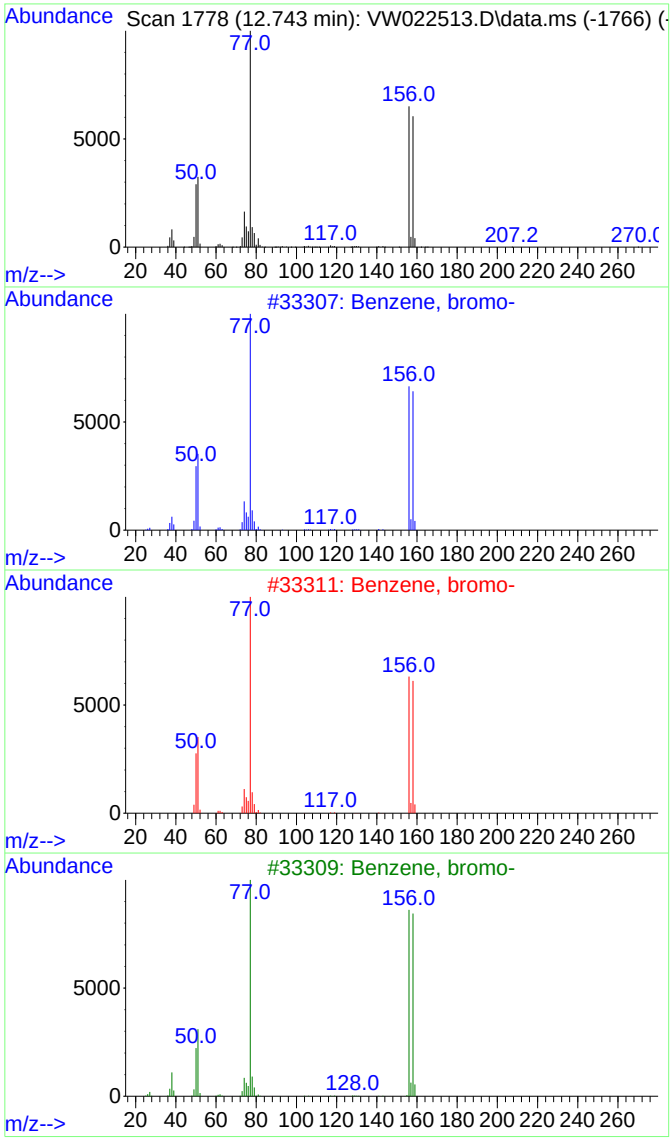
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

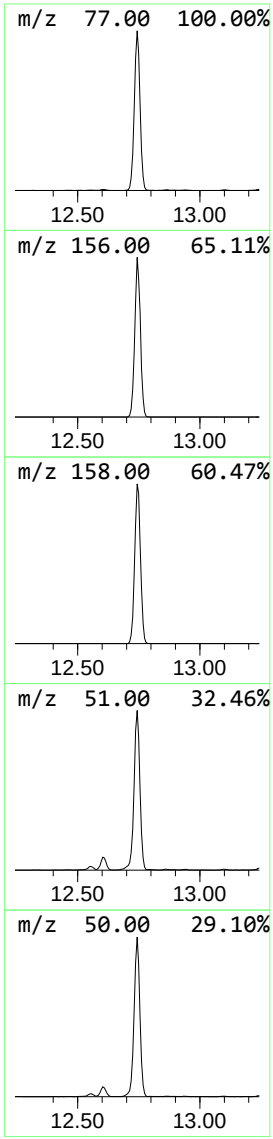
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, bromo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.743	101.57 ug/L	8148200	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	97
2	Benzene, bromo-	156	C6H5Br	000108-86-1	96
3	Benzene, bromo-	156	C6H5Br	000108-86-1	95
4	Benzene, bromo-	156	C6H5Br	000108-86-1	95
5	Benzene, bromo-	156	C6H5Br	000108-86-1	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

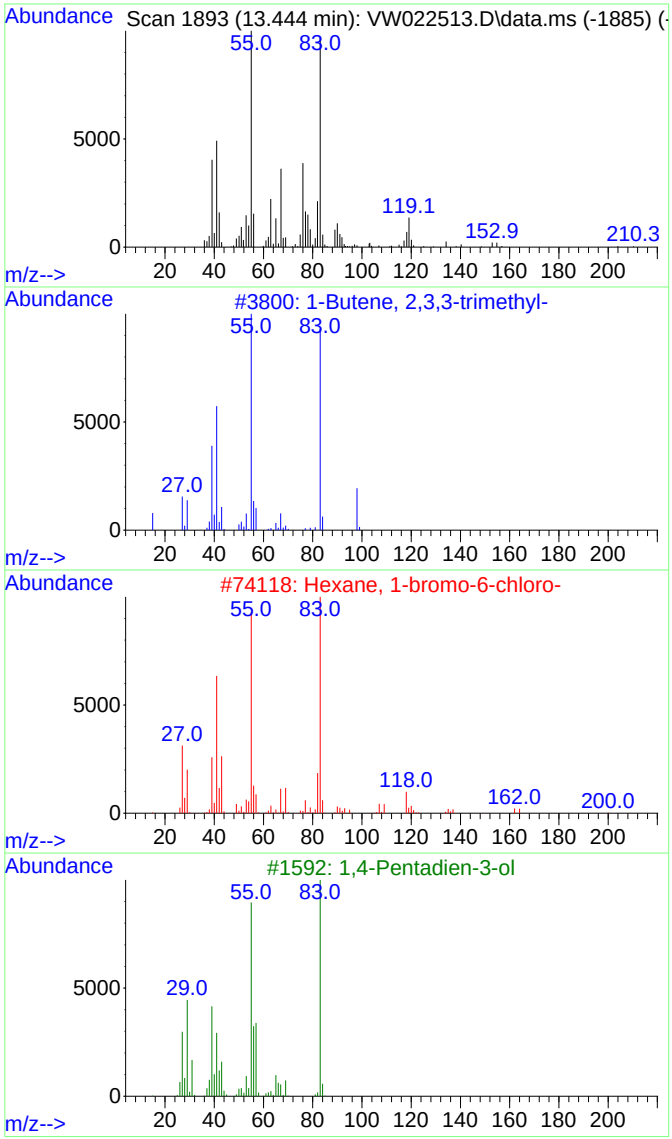
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

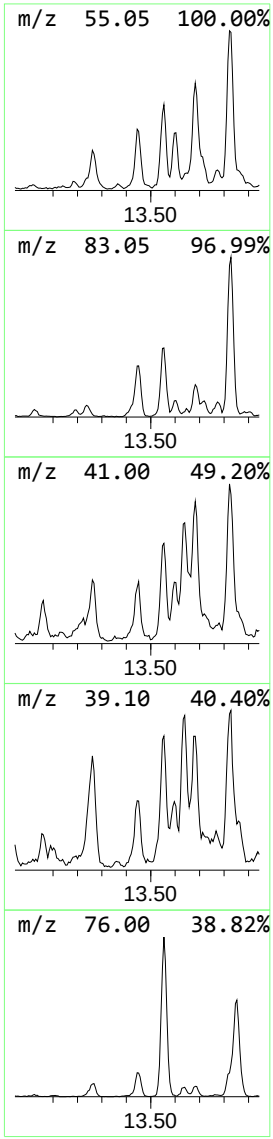
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	2.79 ug/L	223861	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	43
2	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	38
3	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	38
4	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	38
5	Cyclohexanecarbonyl chloride	146	C7H11ClO	002719-27-9	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

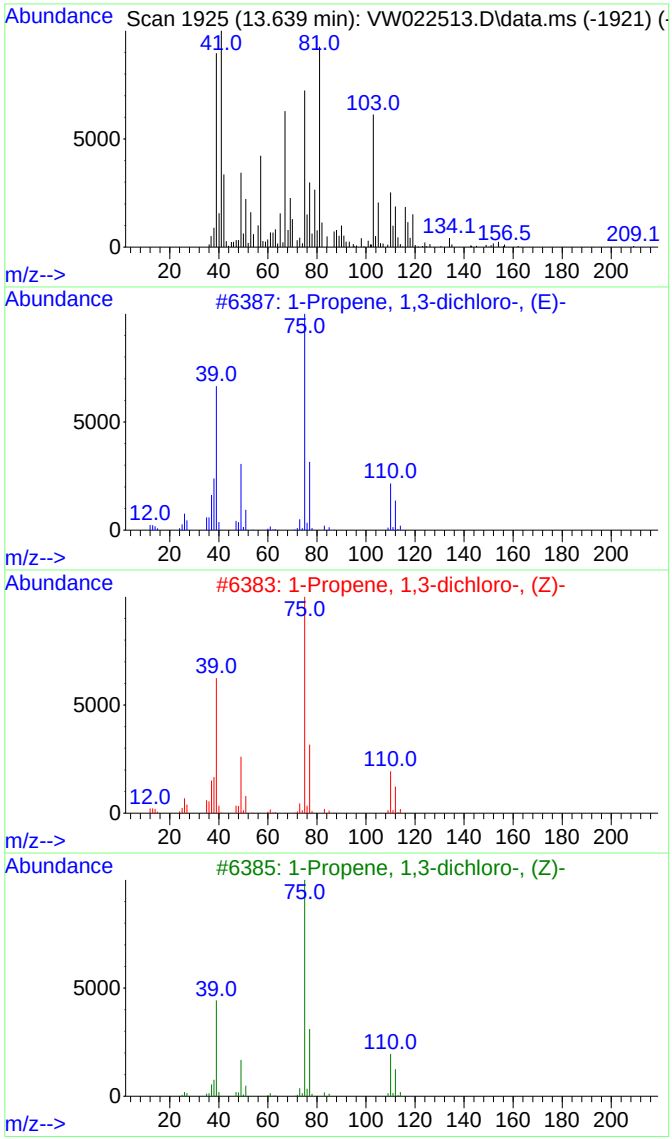
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

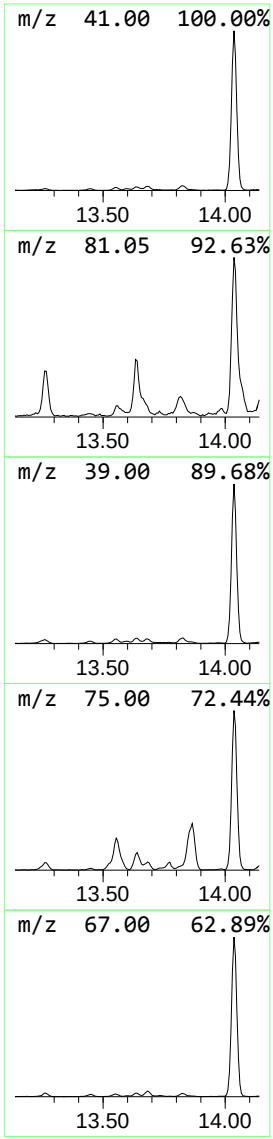
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1-Propene, 1,3-dichloro-, (E)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.639	3.29 ug/L	264186	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	62
2	1-Propene, 1,3-dichloro-, (Z)-	110	C3H4Cl2	010061-01-5	58
3	1-Propene, 1,3-dichloro-, (Z)-	110	C3H4Cl2	010061-01-5	58
4	1-Propene, 1,3-dichloro-	110	C3H4Cl2	000542-75-6	58
5	1-Propene, 1,3-dichloro-	110	C3H4Cl2	000542-75-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

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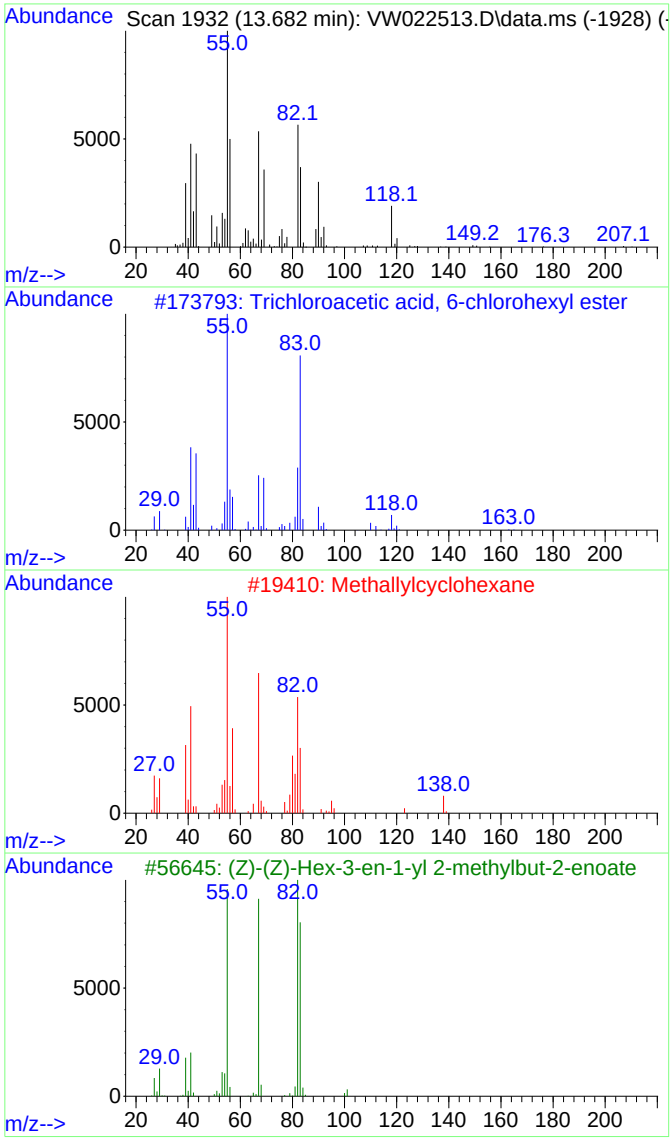
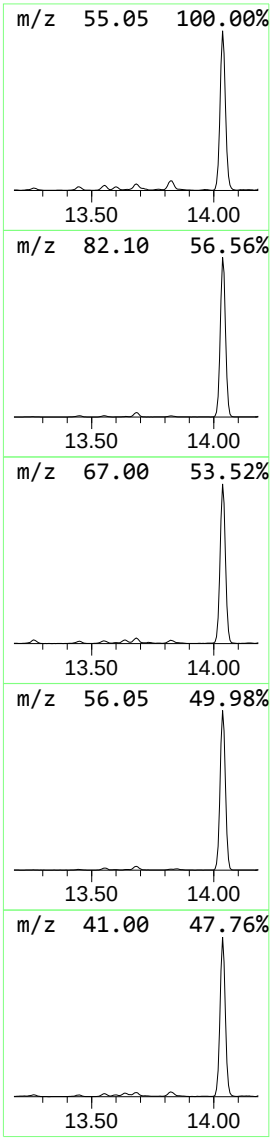
Peak Number 17 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.682	4.51 ug/L	362079	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, 6-chlorohe...	280	C8H12Cl4O2	1000330-89-2	47
2	Methallylcyclohexane	138	C10H18	003990-93-0	43
3	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	43
4	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	43
5	Hexenyl angelate, 4z-	182	C11H18O2	1000383-63-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

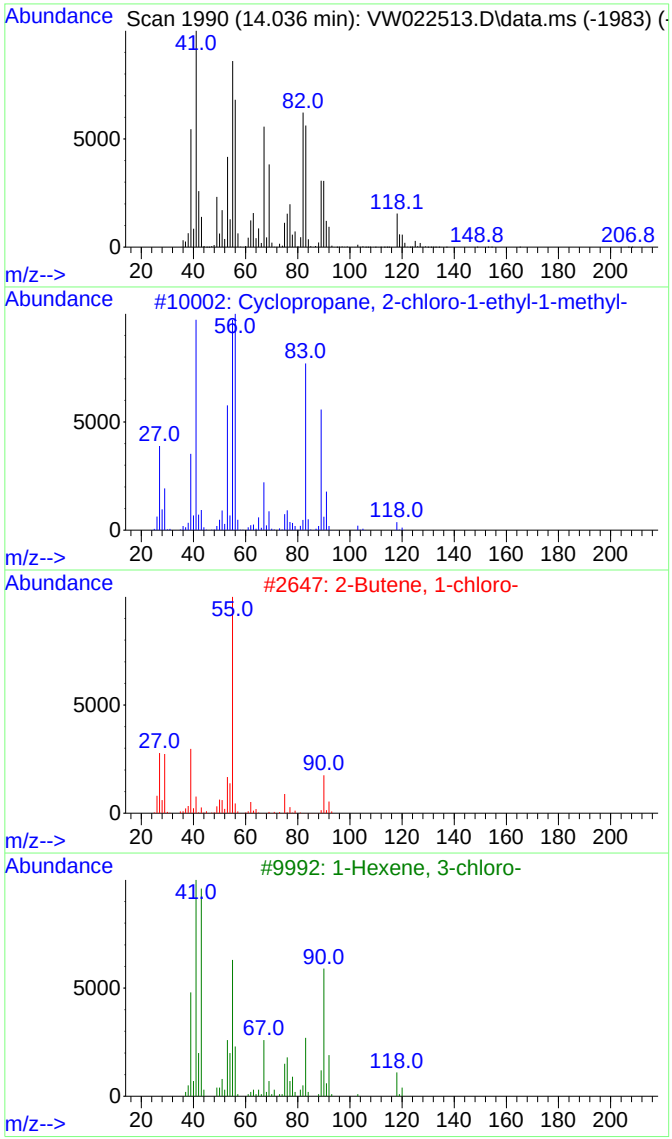
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

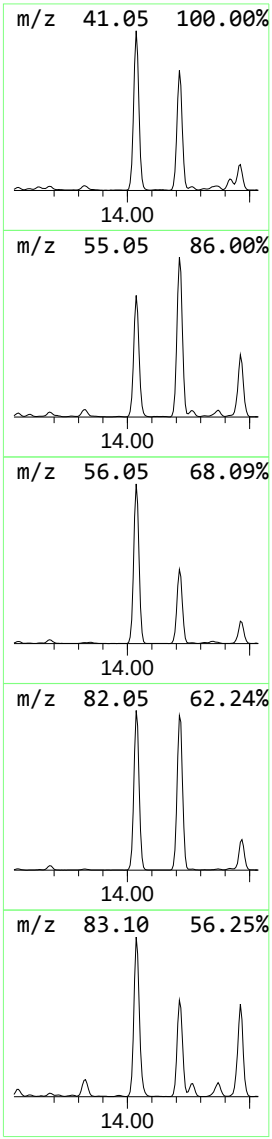
****

Peak Number 18 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	165.07 ug/L	13242800	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 2-chloro-1-ethyl-1...	118	C6H11Cl	343926-09-0	43
2	2-Butene, 1-chloro-	90	C4H7Cl	000591-97-9	35
3	1-Hexene, 3-chloro-	118	C6H11Cl	053101-38-5	32
4	2-Hexyne	82	C6H10	000764-35-2	32
5	Furan, 2-methyl-	82	C5H6O	000534-22-5	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

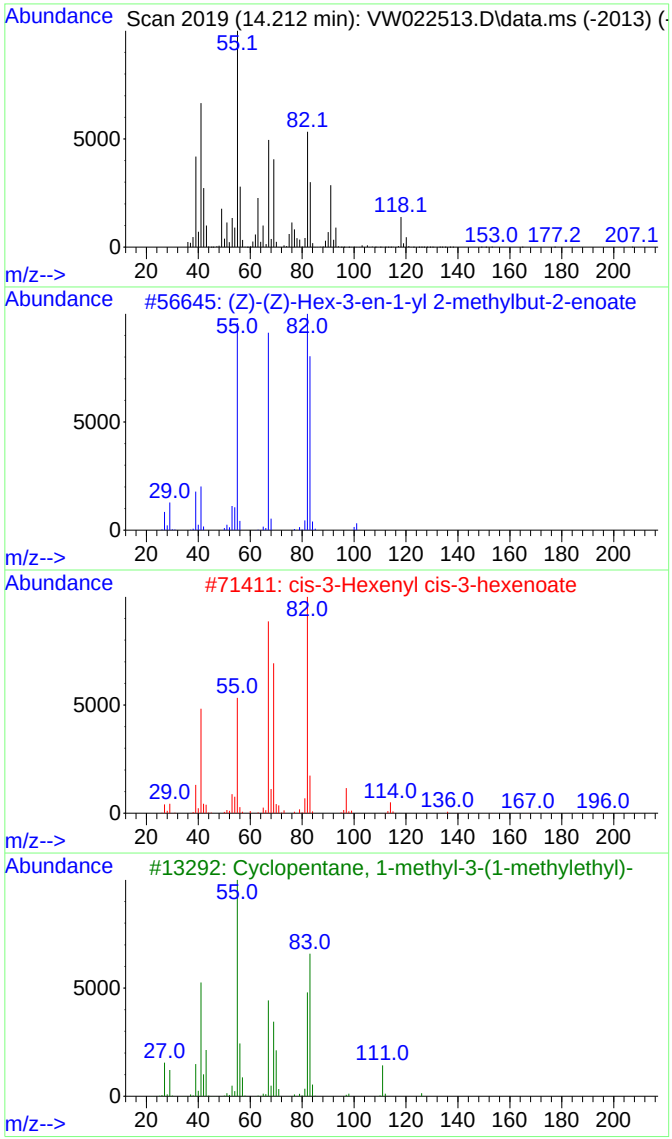
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

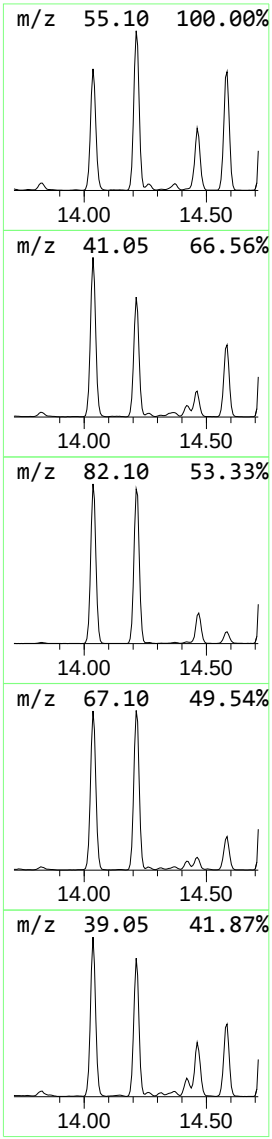
****

Peak Number 20 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	138.05 ug/L	11074800	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	35
2	cis-3-Hexenyl cis-3-hexenoate	196	C12H20O2	061444-38-0	32
3	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	28
4	1,9-Nonanediol	160	C9H20O2	003937-56-2	25
5	cis-3-Hexenyl isovalerate	184	C11H20O2	035154-45-1	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

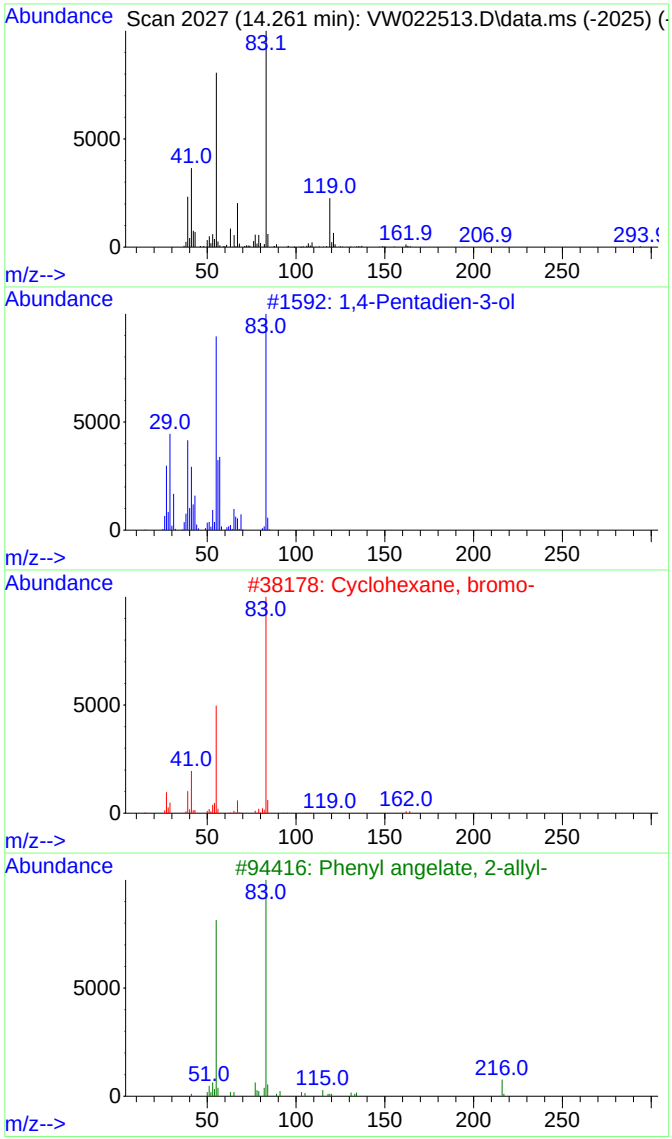
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

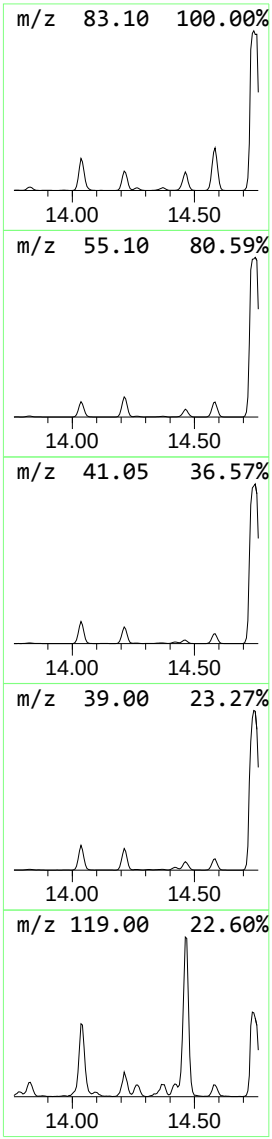
****

Peak Number 21 1,4-Pentadien-3-ol Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	3.49 ug/L	280037	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	52
2	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	50
3	Phenyl angelate, 2-allyl-	216	C14H16O2	1000383-58-2	50
4	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	50
5	Cyclopropane, 2-chloro-1,1,3-tri...	118	C6H11Cl	098485-99-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

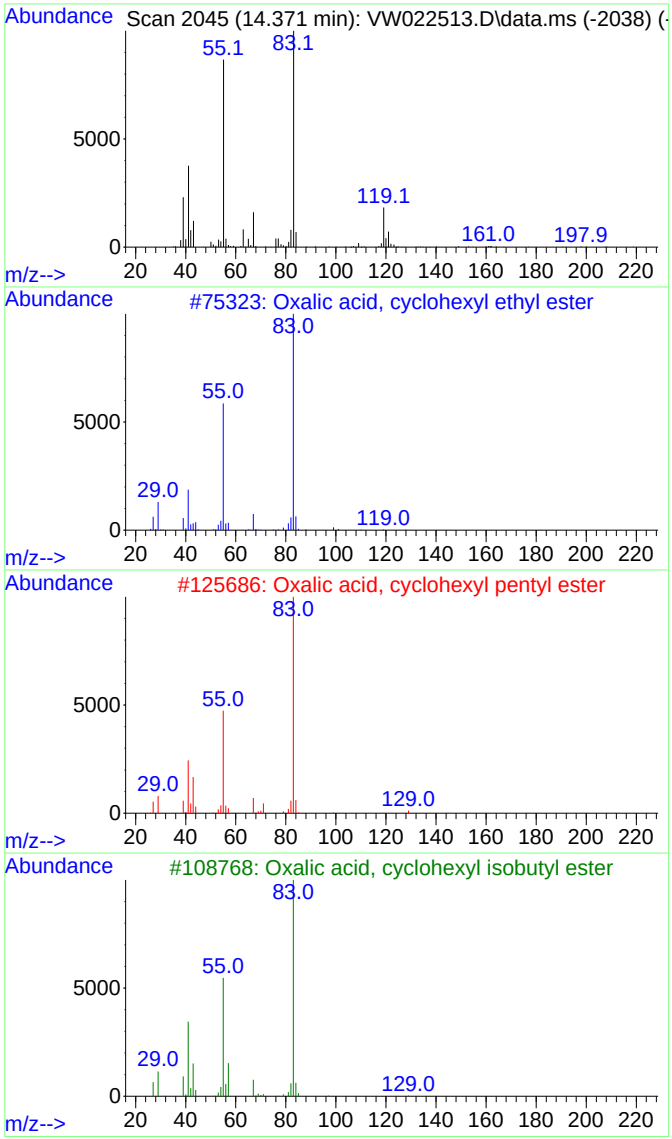
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

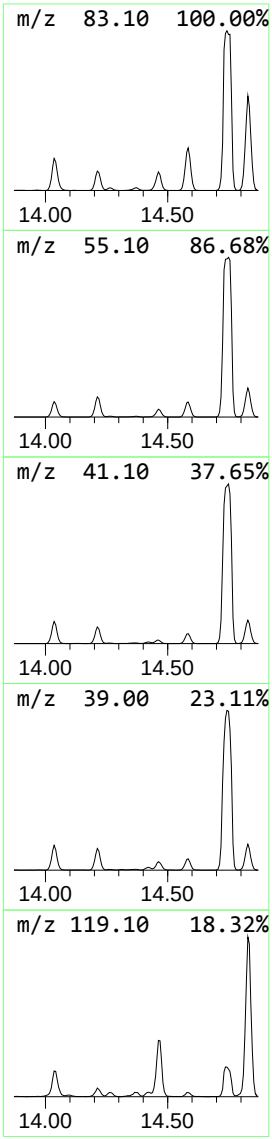
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Oxalic acid, cyclohexyl eth... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.371	7.07 ug/L	567003	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexyl ethyl ester	200	C10H16O4	1000309-30-2	64
2	Oxalic acid, cyclohexyl pentyl e...	242	C13H22O4	1000309-30-6	64
3	Oxalic acid, cyclohexyl isobutyl...	228	C12H20O4	1000309-30-4	64
4	Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	64
5	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

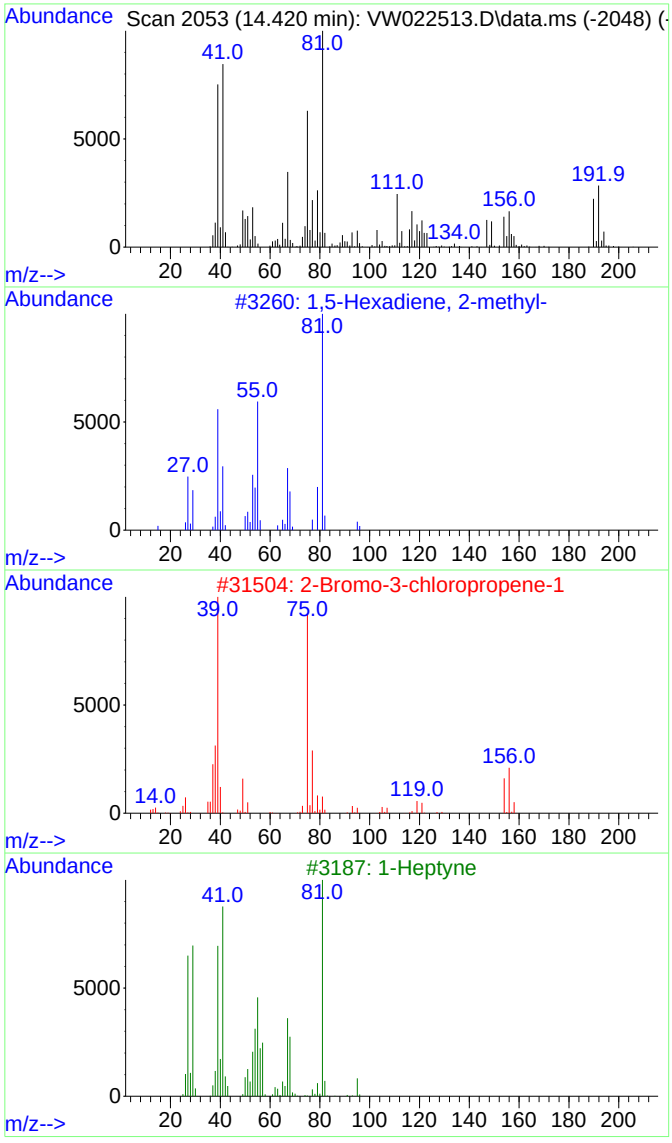
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

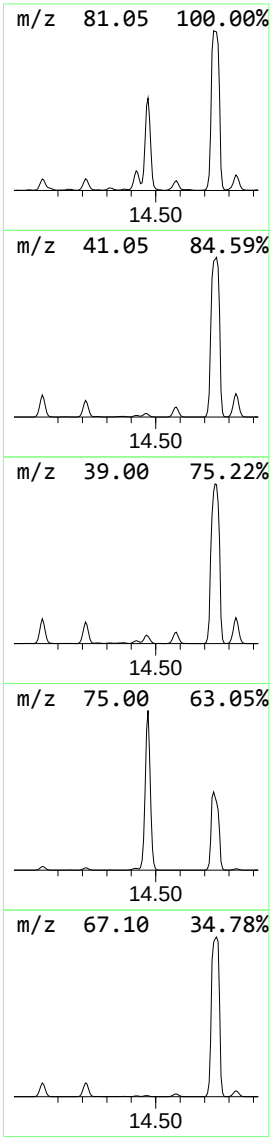
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1,5-Hexadiene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	14.66 ug/L	1176450	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Hexadiene, 2-methyl-	96	C7H12	004049-81-4	64
2	2-Bromo-3-chloropropene-1	154	C3H4BrCl	016400-63-8	62
3	1-Heptyne	96	C7H12	000628-71-7	45
4	1,5-Hexadiene, 3-chloro-	116	C6H9Cl	028374-86-9	42
5	Methyl 2R,3S(2S,3R)-2-chloro-2,3...	292	C5H7Br2ClO2	1000143-25-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

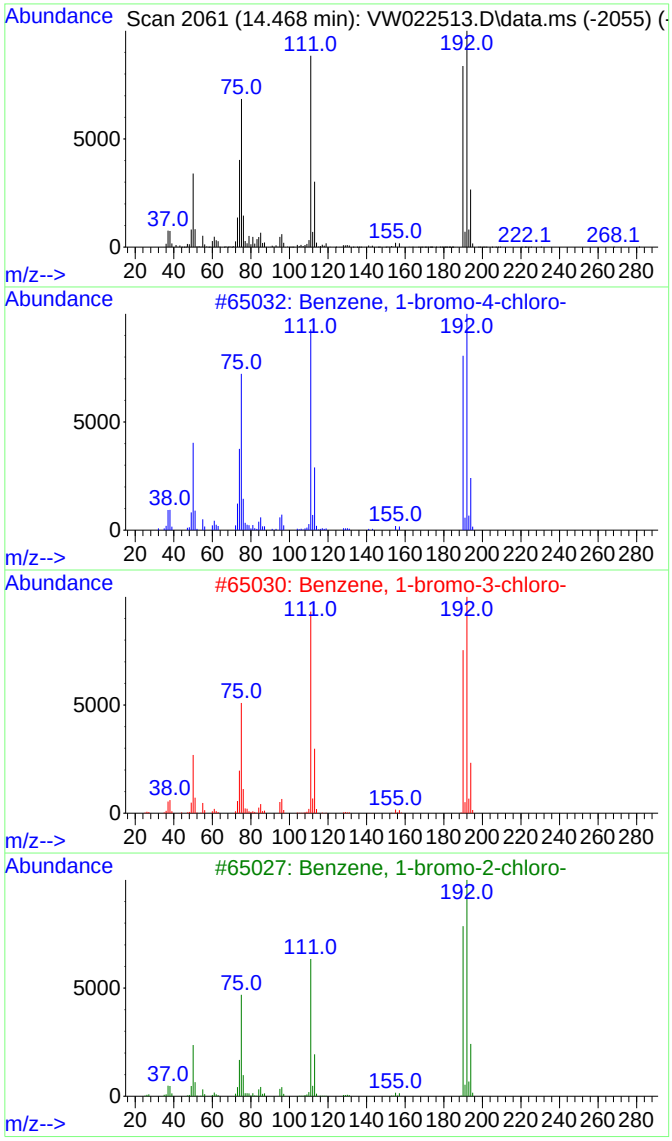
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

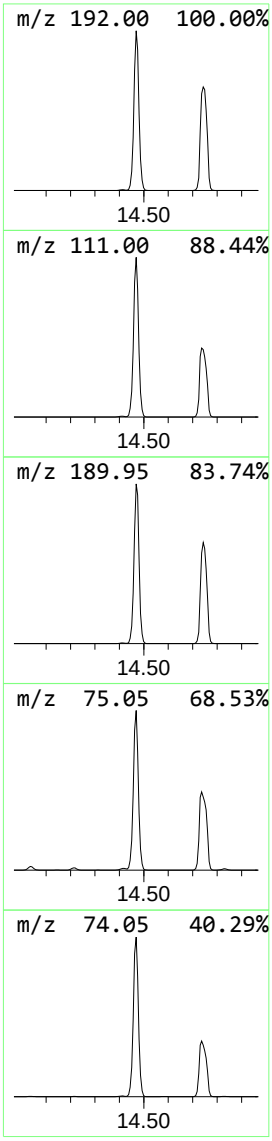
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1-bromo-4-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.468	788.69 ug/L	63271700	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	99
2	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
3	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
4	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	97
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

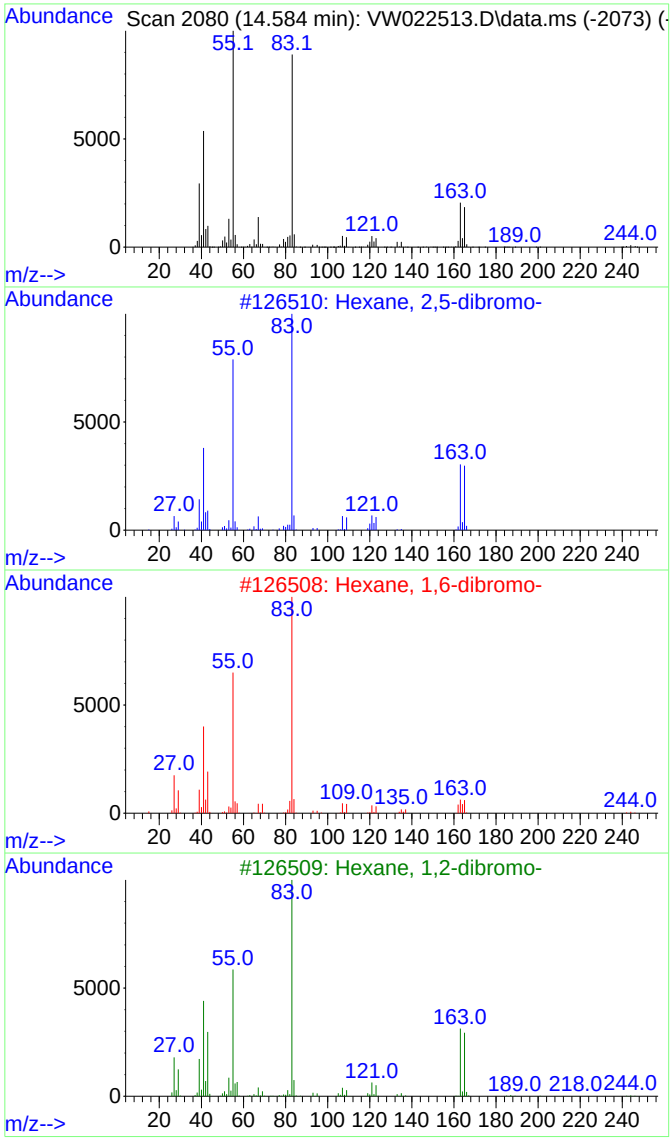
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

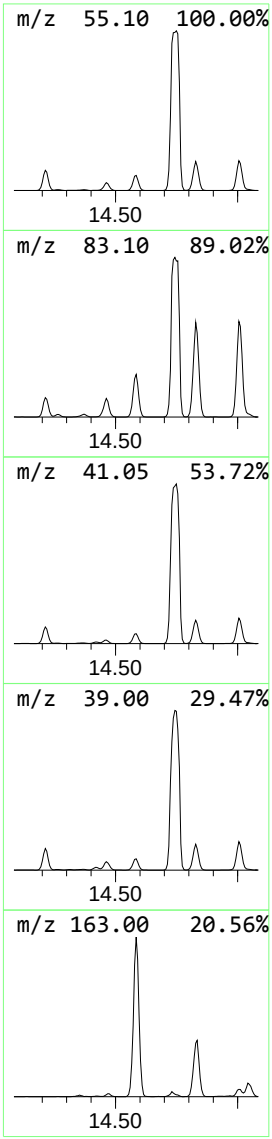
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Hexane, 2,5-dibromo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.584	73.05 ug/L	5860620	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dibromo-	242	C6H12Br2	024774-58-1	86
2	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	81
3	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	72
4	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	59
5	Cyclohexyldichlorophosphine	184	C6H11Cl2P	002844-89-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

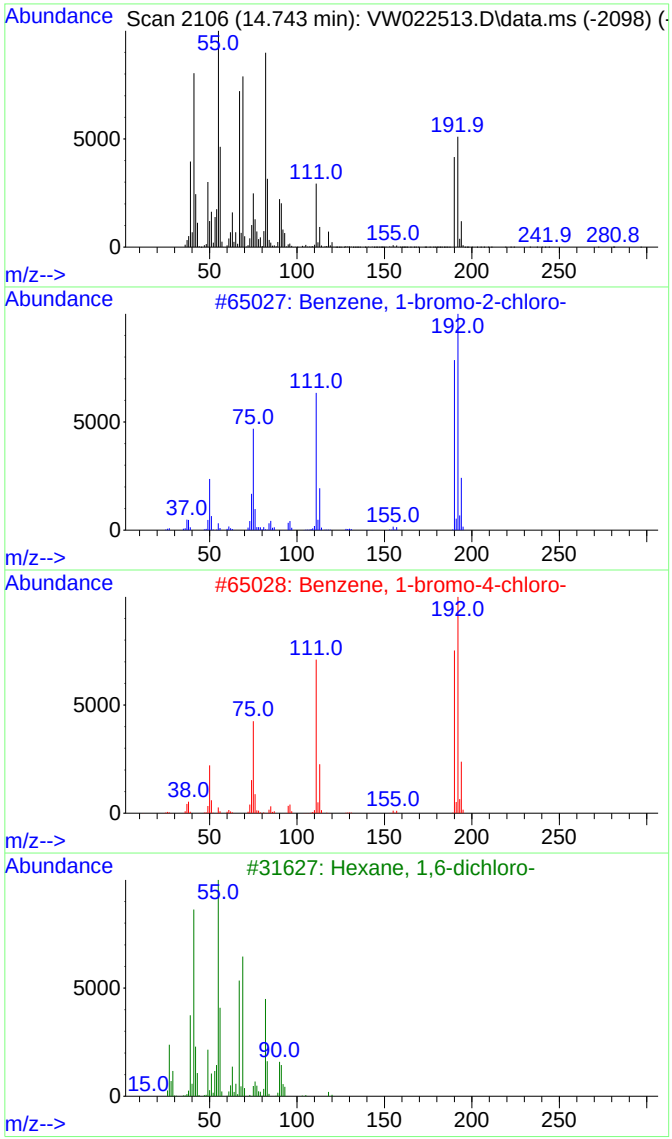
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

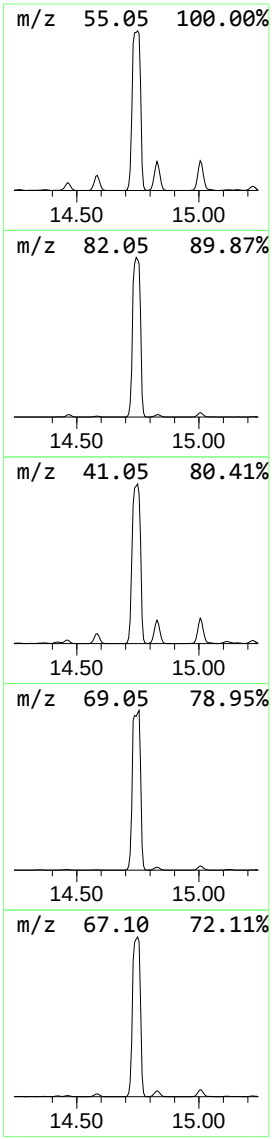
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1-bromo-2-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.743	2408.57 ug/L	193225000	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	59
2	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	56
3	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	52
4	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	46
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	44





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

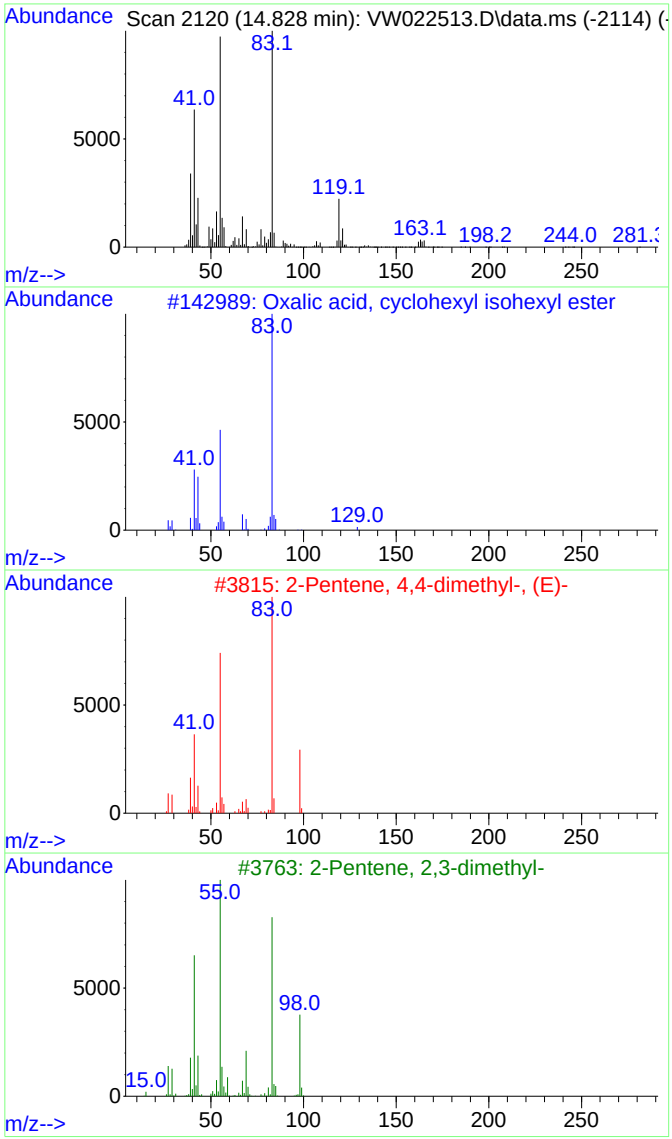
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

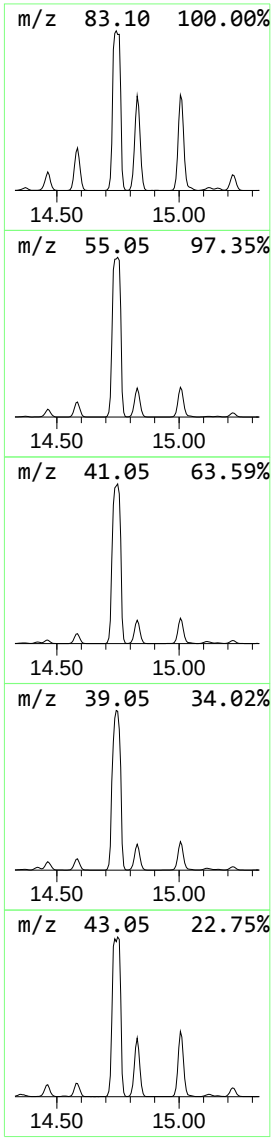
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Oxalic acid, cyclohexyl iso... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.828	169.78 ug/L	13620200	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1010309-30-7	64
2	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	59
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	59
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	59
5	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

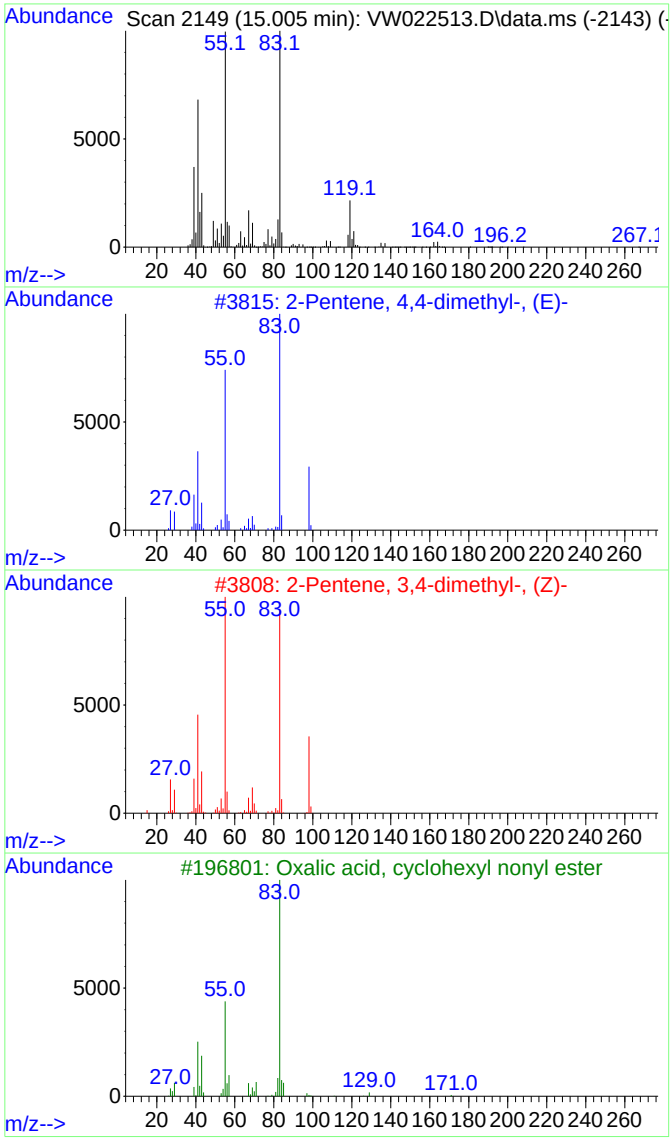
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

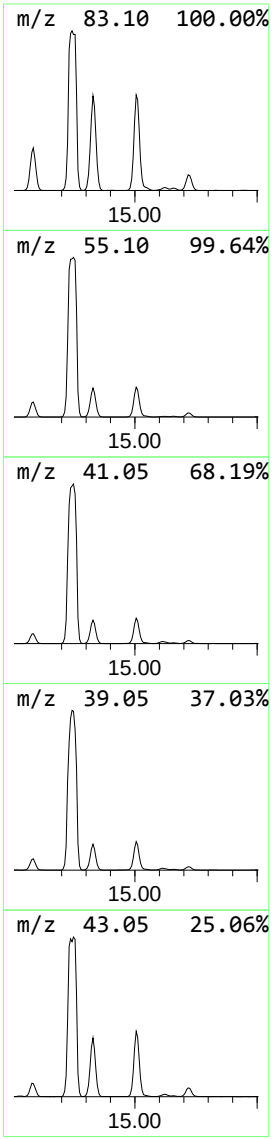
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.005	181.47 ug/L	14558600	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	53
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	53
3	Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	53
4	1,5-Dibromo-3-methylpentane	242	C6H12Br2	004457-72-1	53
5	Pentanol, 4-methyl-4-nitro-	147	C6H13NO3	005215-92-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

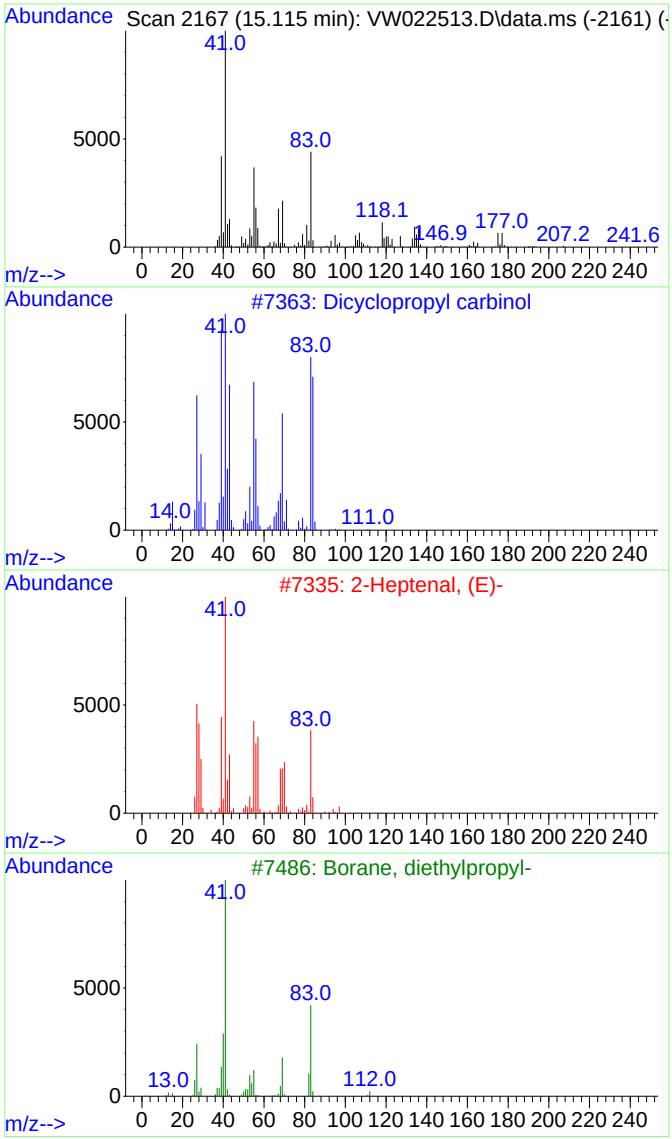
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

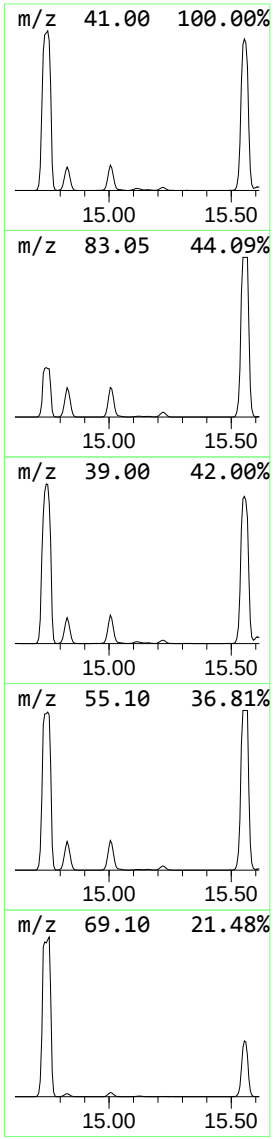
****

Peak Number 30 unknown-05 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.115	12.51 ug/L	1003540	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopropyl carbinol	112	C7H12O	014300-33-5	38
2	2-Heptenal, (E)-	112	C7H12O	018829-55-5	17
3	Borane, diethylpropyl-	112	C7H17B	040291-76-7	14
4	Zinc, di-2-propenyl-	146	C6H10Zn	001802-55-7	14
5	Hexane, 1,5-dibromo-	242	C6H12Br2	000627-96-3	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

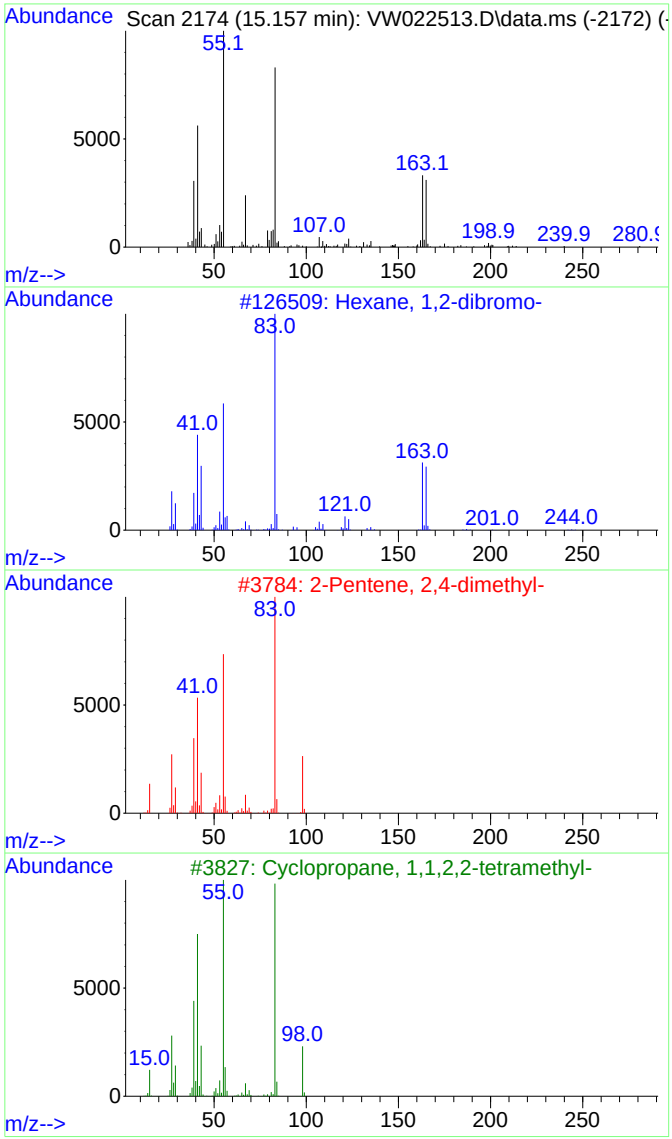
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

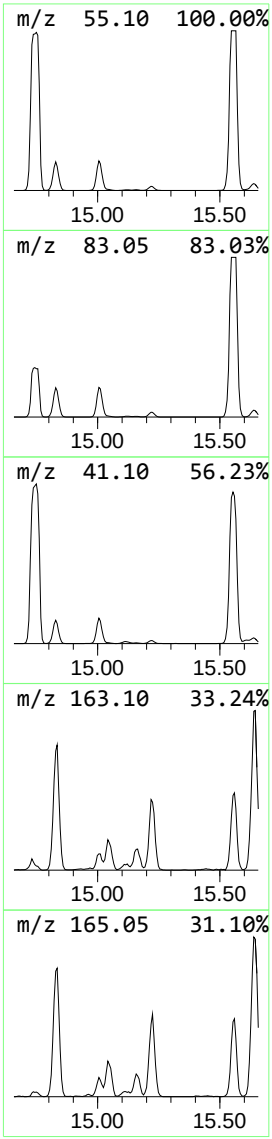
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Hexane, 1,2-dibromo- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	4.13 ug/L	331541	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	50
2	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	50
3	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	47
4	5-Bromo-2-methyl-2-pentene	162	C6H11Br	002270-59-9	47
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

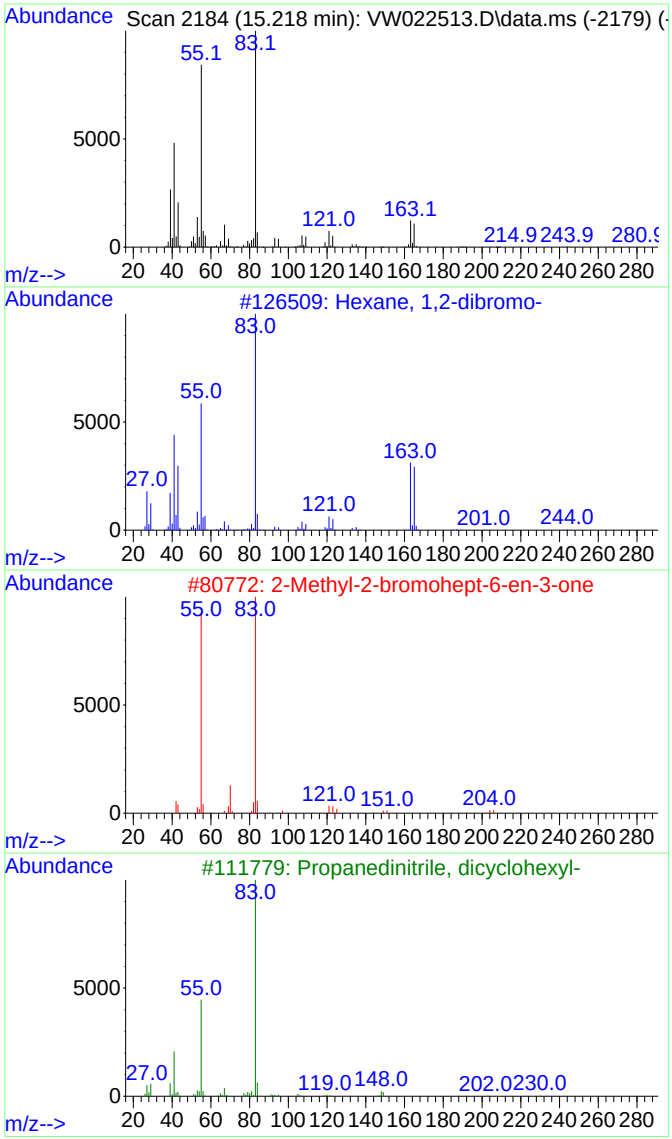
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

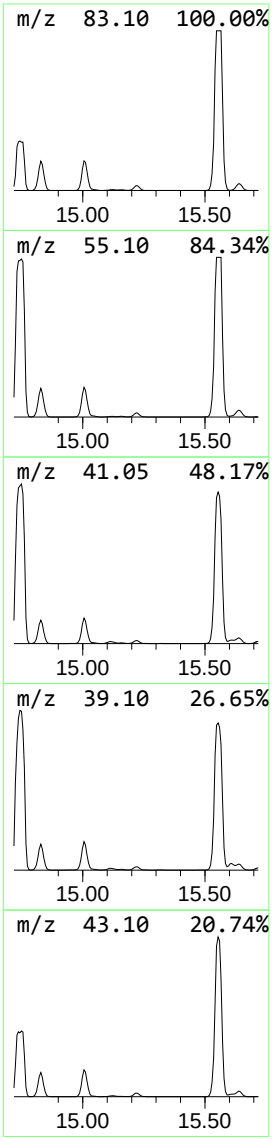
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 2-Methyl-2-bromohept-6-en-3... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.218	24.60 ug/L	1973700	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	83
2	2-Methyl-2-bromohept-6-en-3-one	204	C8H13BrO	1000424-28-0	59
3	Propanedinitrile, dicyclohexyl-	230	C15H22N2	074764-28-6	53
4	2H-Pyran-2-carboxaldehyde, 5,6-d...	112	C6H8O2	053897-26-0	53
5	3,3-Dimethylacryloyl chloride	118	C5H7ClO	003350-78-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

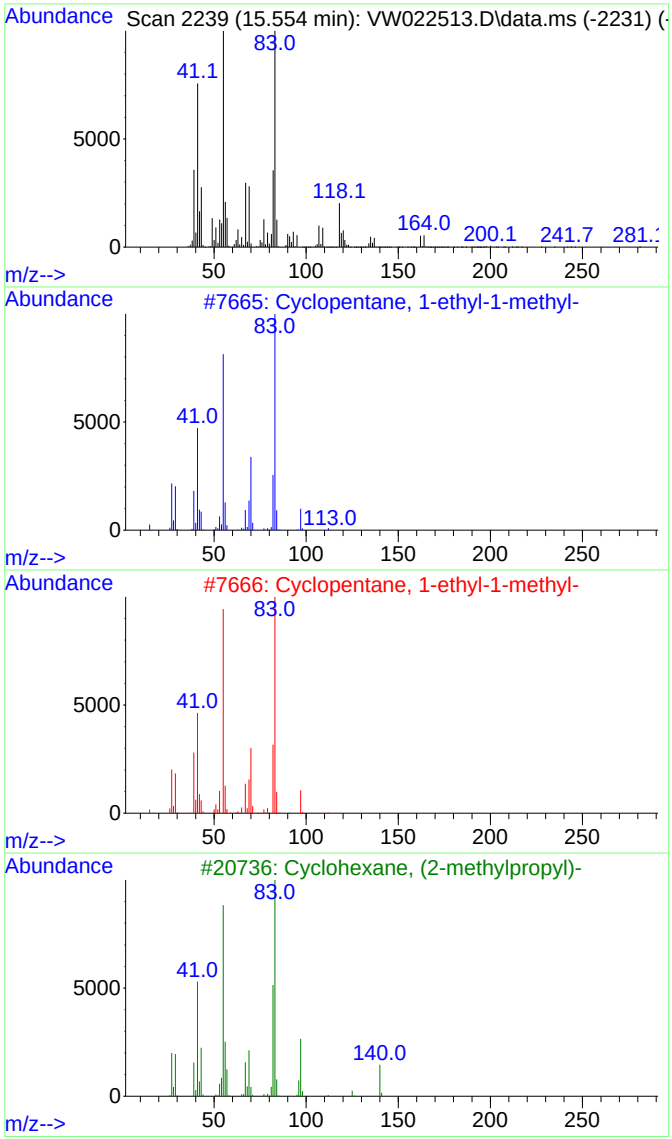
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

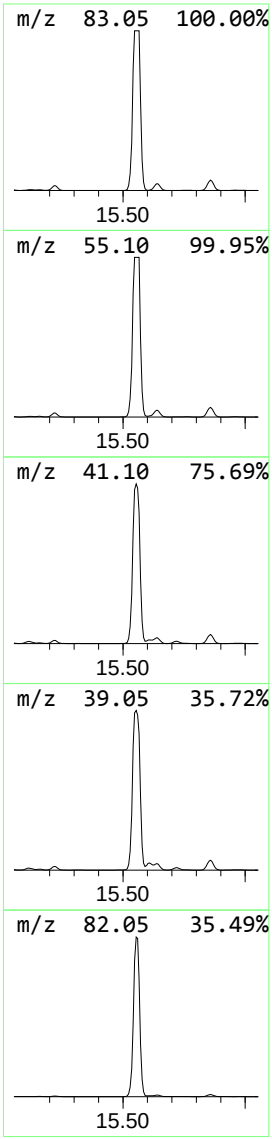
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic15.554 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.554	1580.35 ug/L	126782000	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	59
2	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
5	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

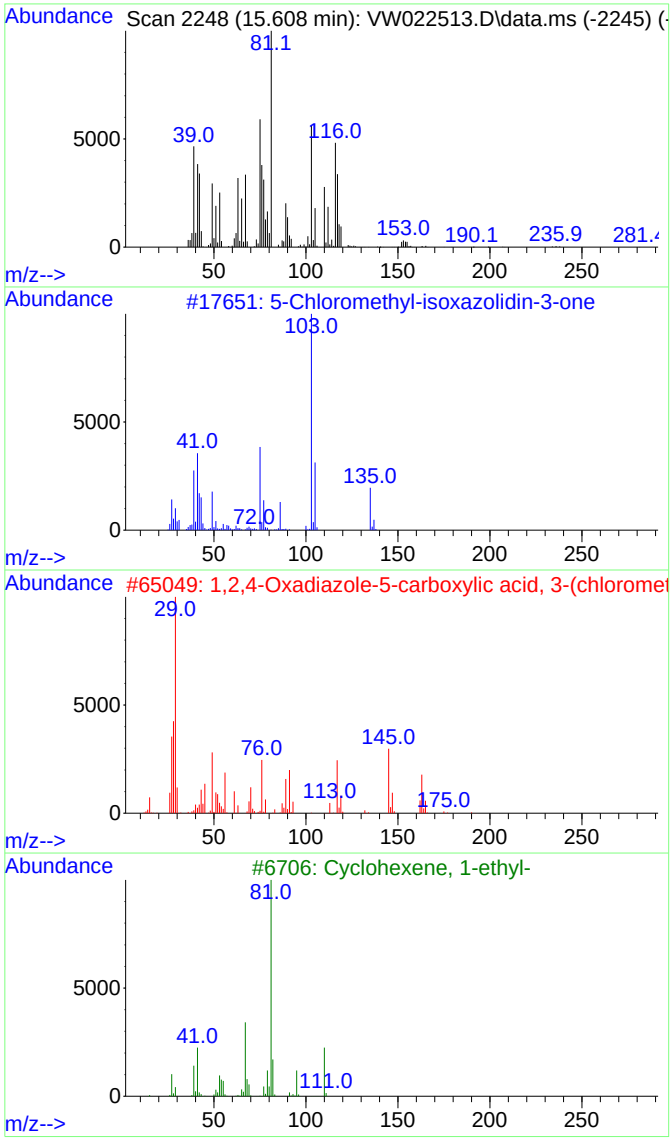
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

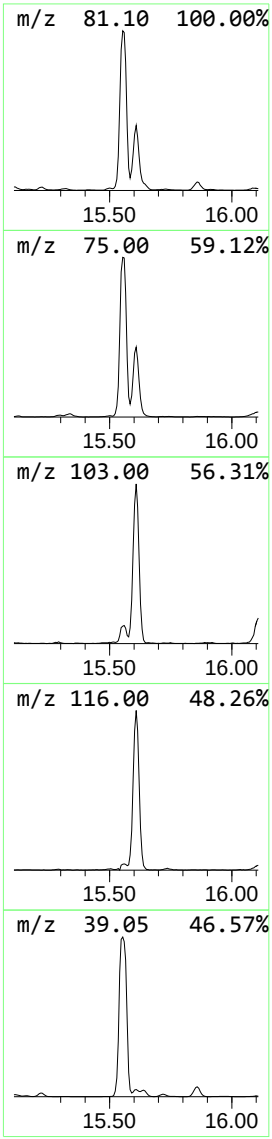
****

Peak Number 35 unknown-06 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.608	48.15 ug/L	3862840	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloromethyl-isoxazolidin-3-one	135	C4H6ClNO2	1000193-70-0	25
2	1,2,4-Oxadiazole-5-carboxylic ac...	190	C6H7ClN2O3	1000460-76-6	16
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	11
4	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	11
5	1-Propene, 1,3-dichloro-, (Z)-	110	C3H4Cl2	010061-01-5	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

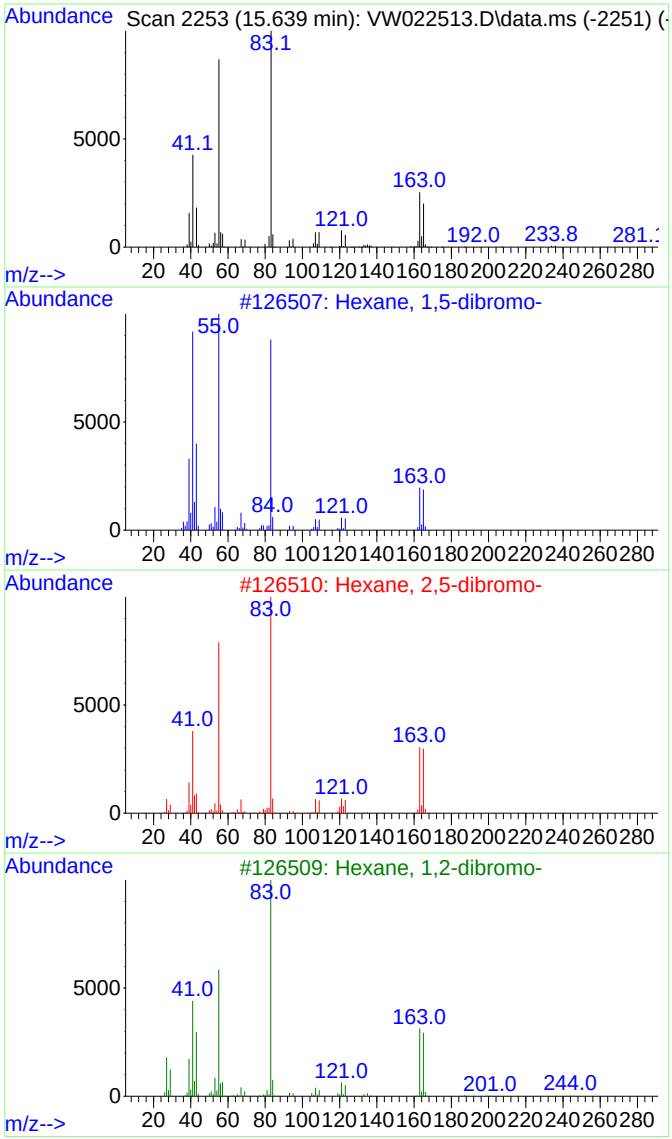
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

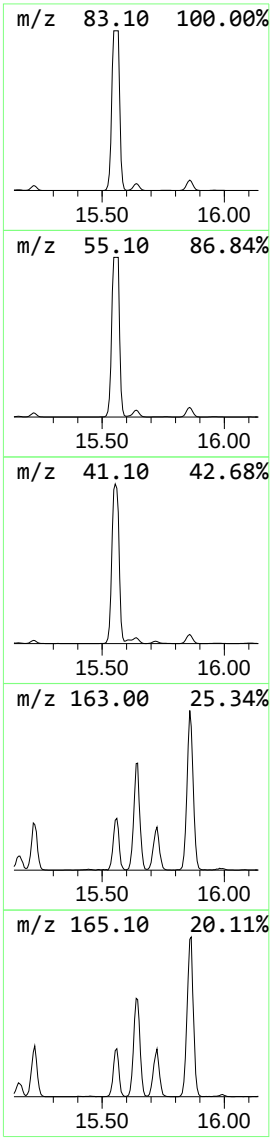
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Hexane, 1,5-dibromo- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.639	35.63 ug/L	2858100	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,5-dibromo-	242	C6H12Br2	000627-96-3	90
2	Hexane, 2,5-dibromo-	242	C6H12Br2	024774-58-1	90
3	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	64
4	2-Methyl-2-bromohept-6-en-3-one	204	C8H13BrO	1000424-28-0	47
5	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

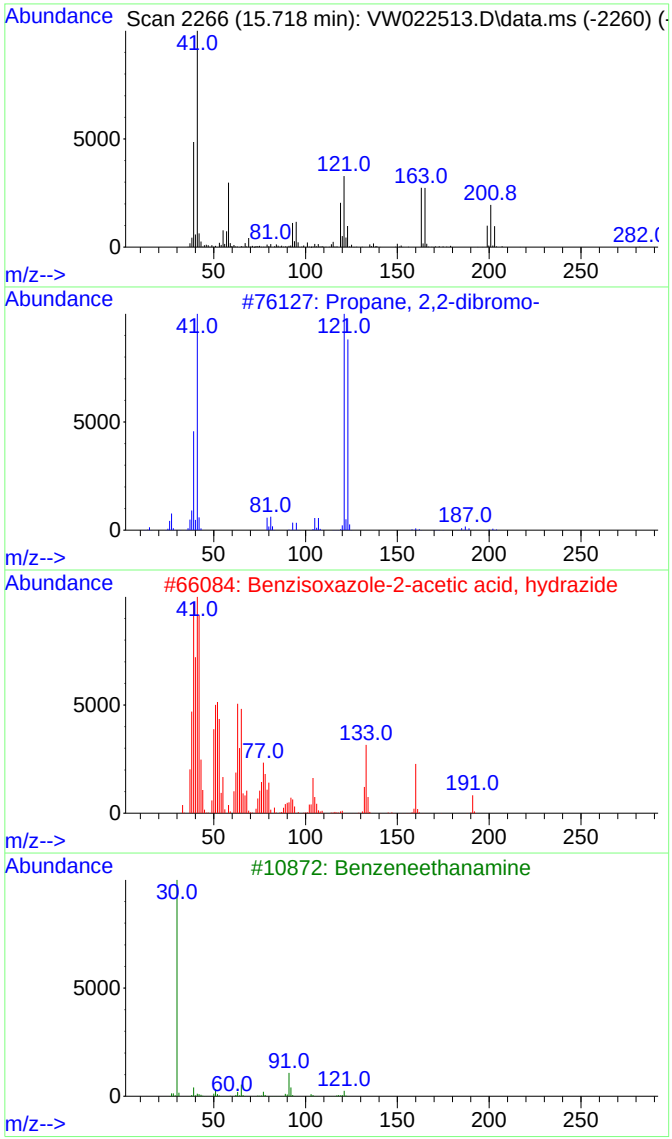
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

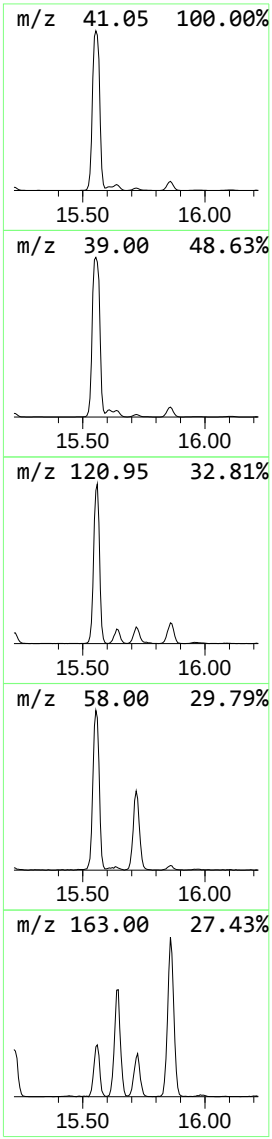
****

Peak Number 37 unknown-07 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.718	13.77 ug/L	1104530	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dibromo-	200	C3H6Br2	000594-16-1	7
2	Benzisoxazole-2-acetic acid, hyd...	191	C9H9N3O2	055244-10-5	7
3	Benzeneethanamine	121	C8H11N	000064-04-0	4
4	Cyclopropanecarboxylic acid, 2-p...	156	C9H16O2	1000278-80-0	4
5	Propane, 1,2-dibromo-	200	C3H6Br2	000078-75-1	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

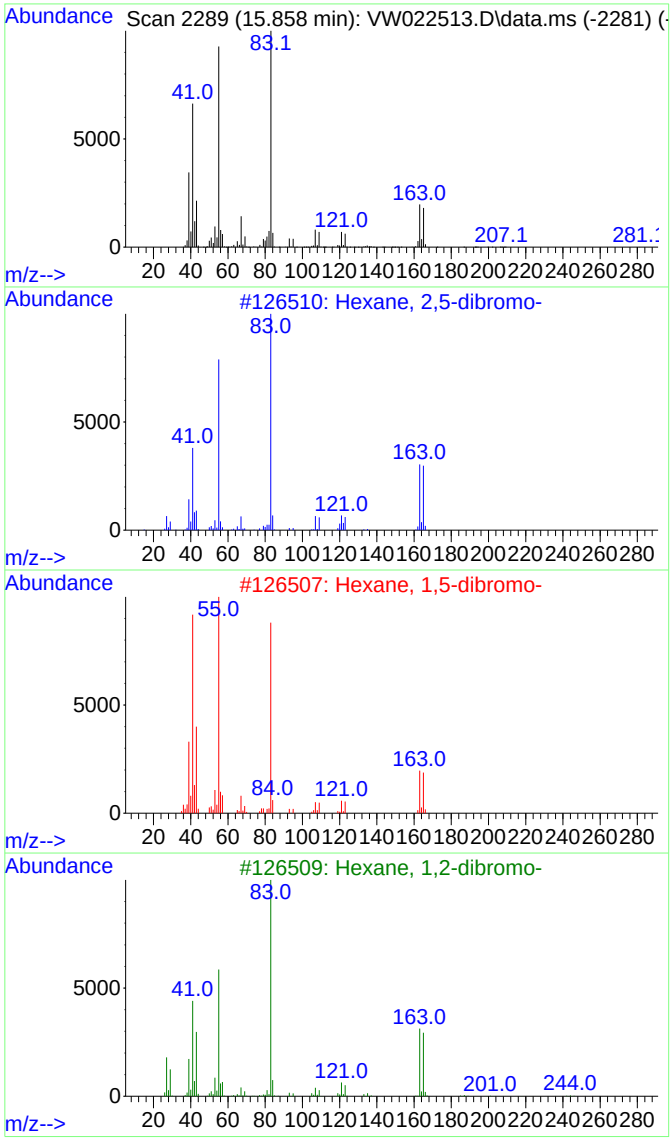
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

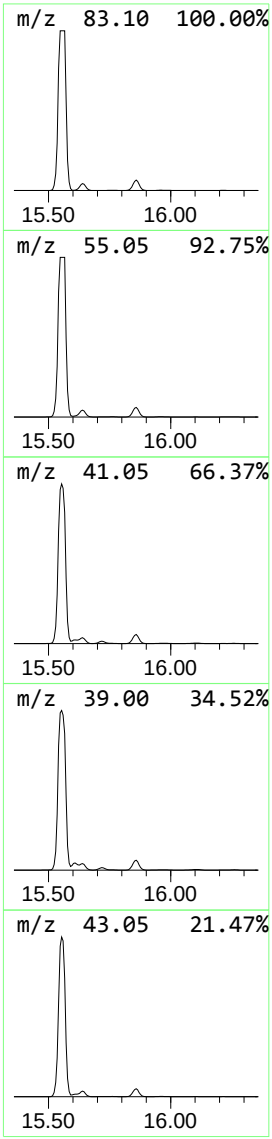
****

Peak Number 38 unknown-08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.858	64.84 ug/L	5201770	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dibromo-	242	C6H12Br2	024774-58-1	83
2	Hexane, 1,5-dibromo-	242	C6H12Br2	000627-96-3	83
3	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	72
4	Hexane, 1,5-dibromo-	242	C6H12Br2	000627-96-3	50
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

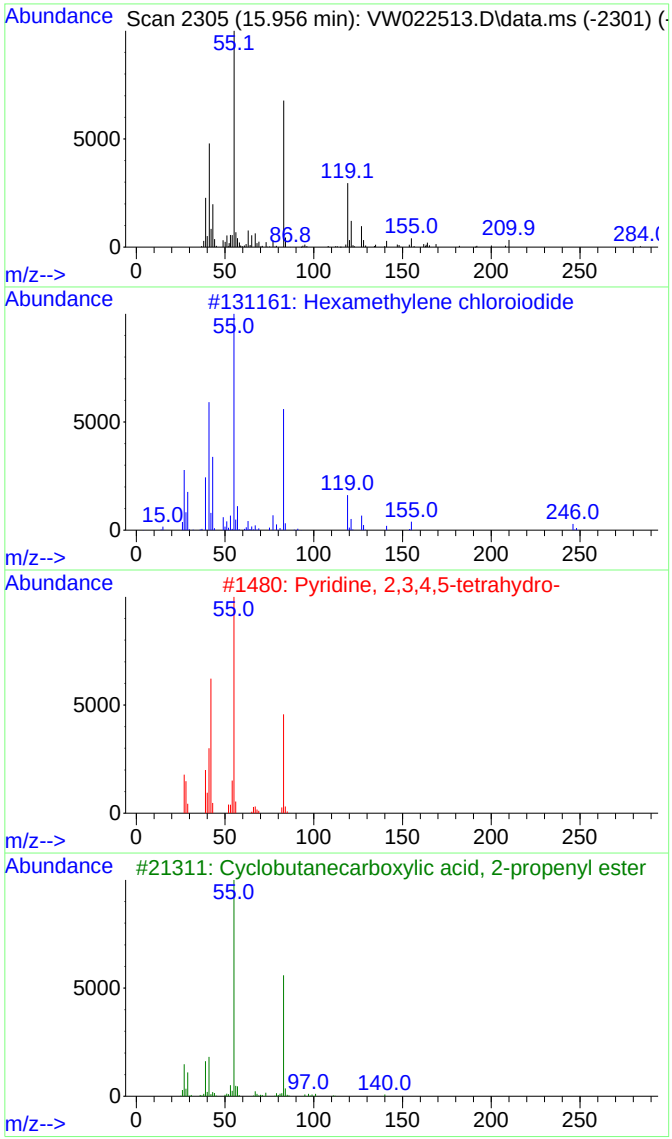
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

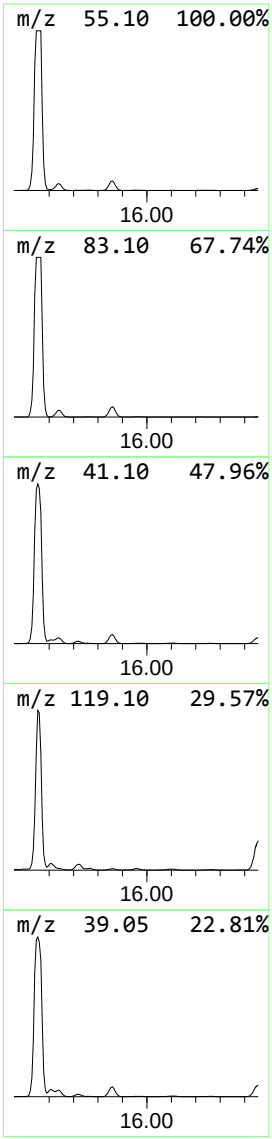
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Hexamethylene chloroiodide Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.956	3.24 ug/L	260282	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexamethylene chloroiodide	246	C6H12ClI	034683-73-3	64
2	Pyridine, 2,3,4,5-tetrahydro-	83	C5H9N	000505-18-0	43
3	Cyclobutanecarboxylic acid, 2-pr...	140	C8H12O2	1000282-60-3	43
4	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	43
5	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

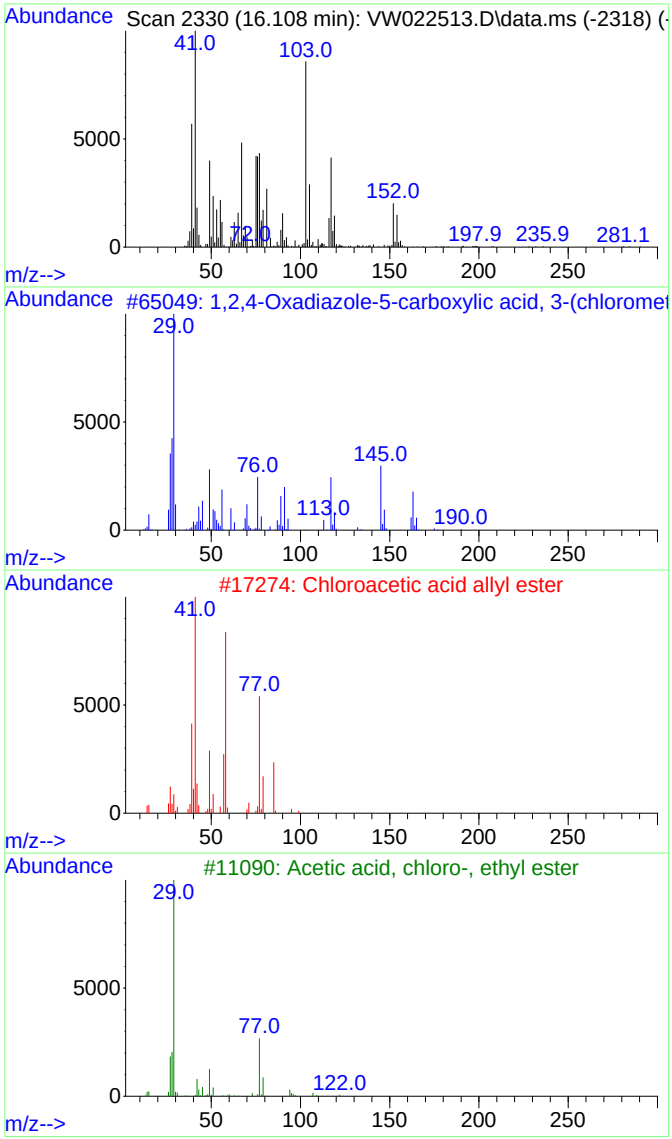
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

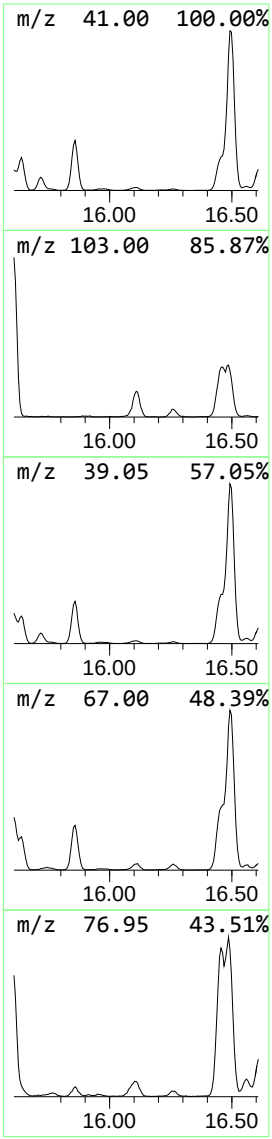
****

Peak Number 40 unknown-09 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.108	6.82 ug/L	547050	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Oxadiazole-5-carboxylic ac...	190	C6H7ClN2O3	1000460-76-6	32
2	Chloroacetic acid allyl ester	134	C5H7ClO2	002916-14-5	10
3	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	10
4	Benzonitrile	103	C7H5N	000100-47-0	10
5	1H-1,2,4-Triazole, 3-chloro-	103	C2H2ClN3	006818-99-1	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

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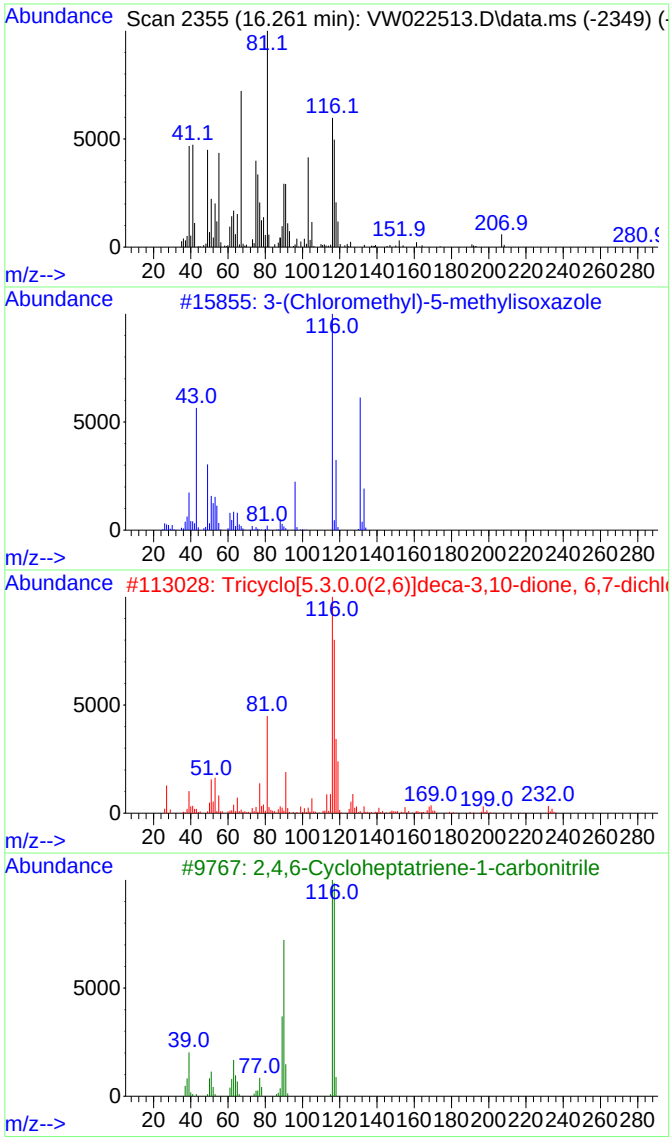
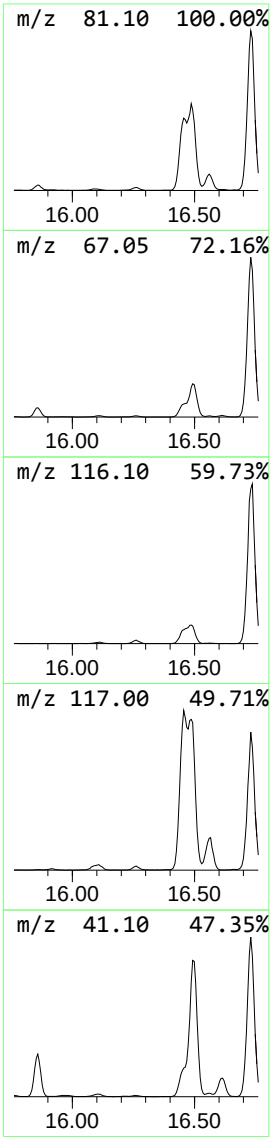
Peak Number 41 unknown-10 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.261	4.03 ug/L	323378	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(Chloromethyl)-5-methylisoxazole	131	C5H6ClNO	035166-37-1	16
2	Tricyclo[5.3.0.0(2,6)]deca-3,10-...	232	C10H10Cl2O2	1000160-07-7	10
3	2,4,6-Cycloheptatriene-1-carboni...	117	C8H7N	013612-59-4	10
4	Cyclohexane, 1,4-dichloro-, cis-	152	C6H10Cl2	016749-11-4	9
5	Cyclohexane, 1,2-dichloro-, trans-	152	C6H10Cl2	000822-86-6	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

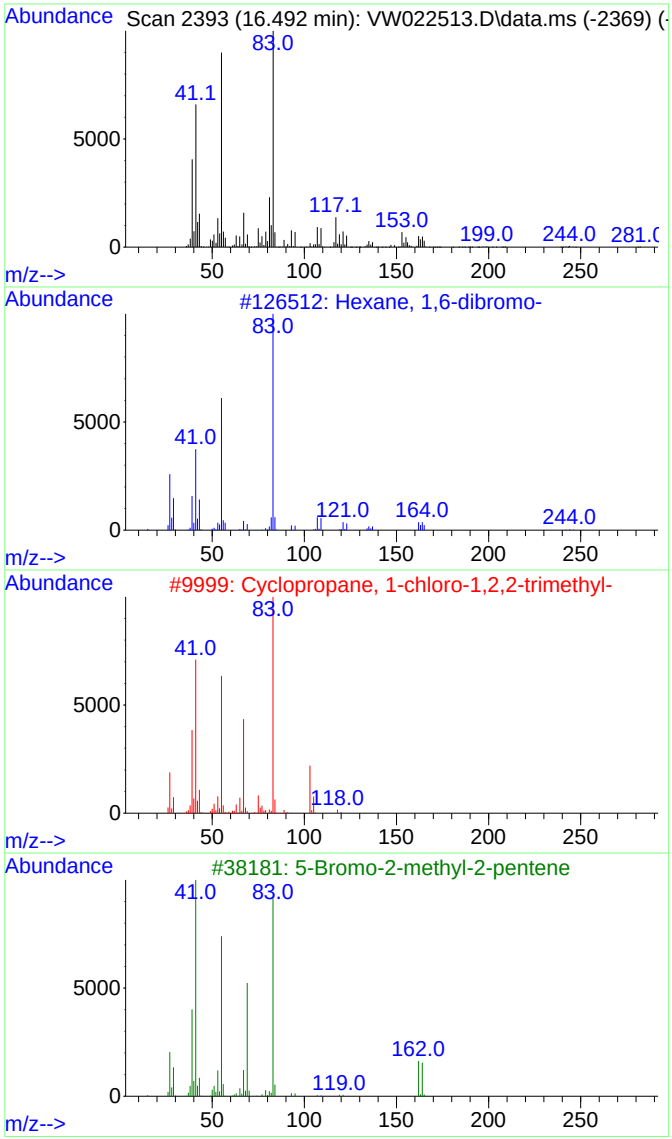
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

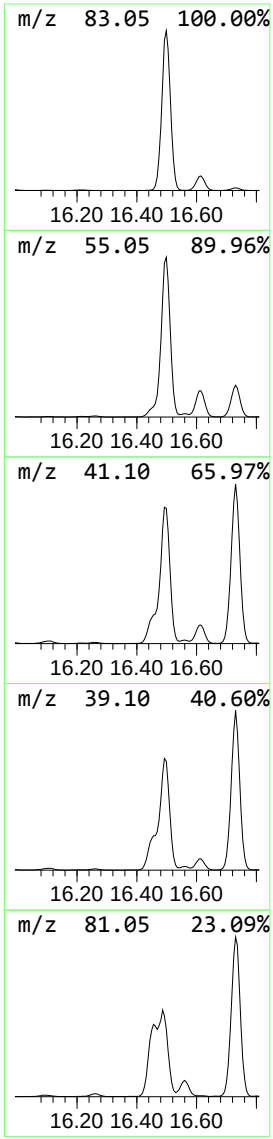
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Hexane, 1,6-dibromo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.493	377.05 ug/L	30248700	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	93
2	Cyclopropane, 1-chloro-1,2,2-tri...	118	C6H11Cl	021181-46-4	64
3	5-Bromo-2-methyl-2-pentene	162	C6H11Br	002270-59-9	59
4	Phenyl angelate, 2-allyl-	216	C14H16O2	1000383-58-2	53
5	Cumenyl angelate, o-	218	C14H18O2	1000383-67-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

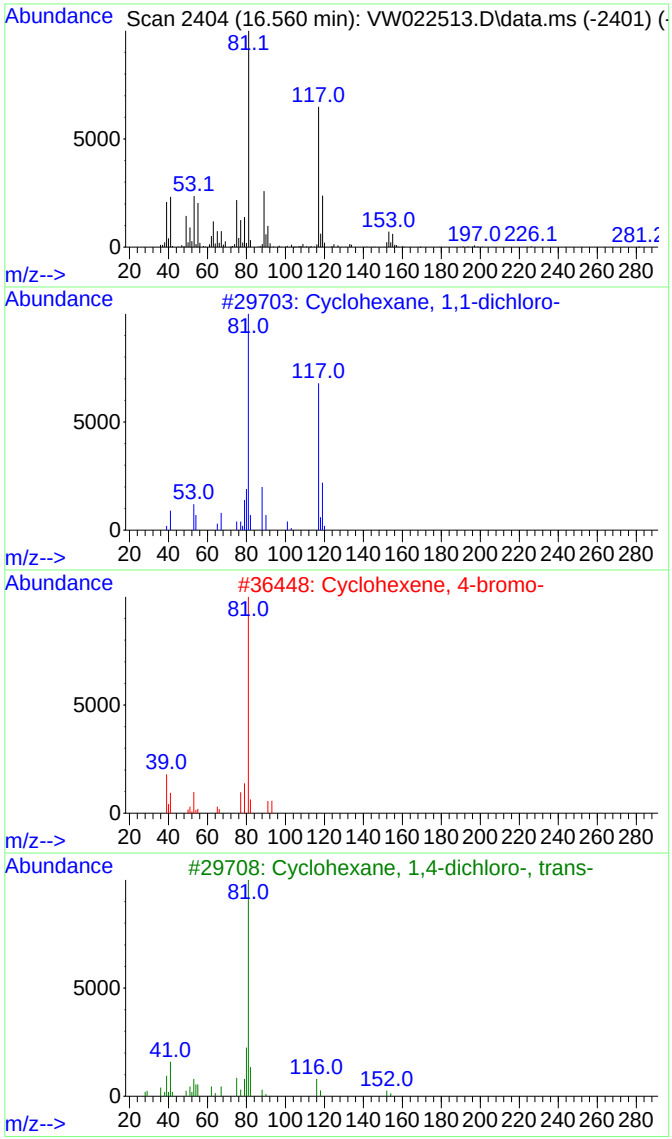
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

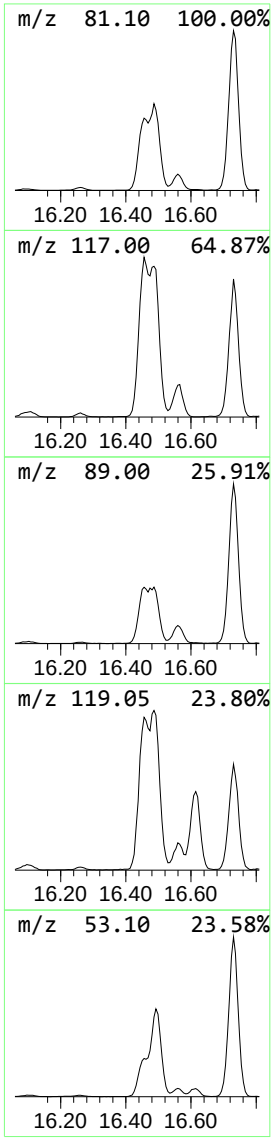
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Cyclohexane, 1,1-dichloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.560	10.56 ug/L	847396	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dichloro-	152	C6H10Cl2	002108-92-1	50
2	Cyclohexene, 4-bromo-	160	C6H9Br	003540-84-9	35
3	Cyclohexane, 1,4-dichloro-, trans-	152	C6H10Cl2	016890-91-8	27
4	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	25
5	Fumaric acid, monochloride, pent...	202	C9H11ClO3	1010348-93-5	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

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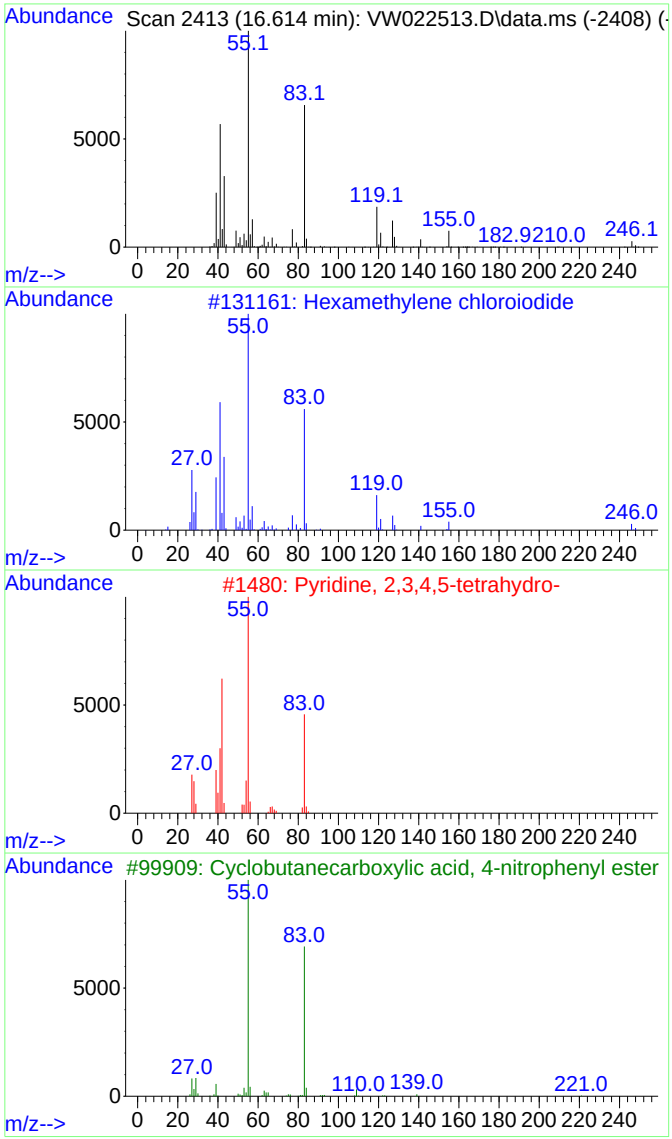
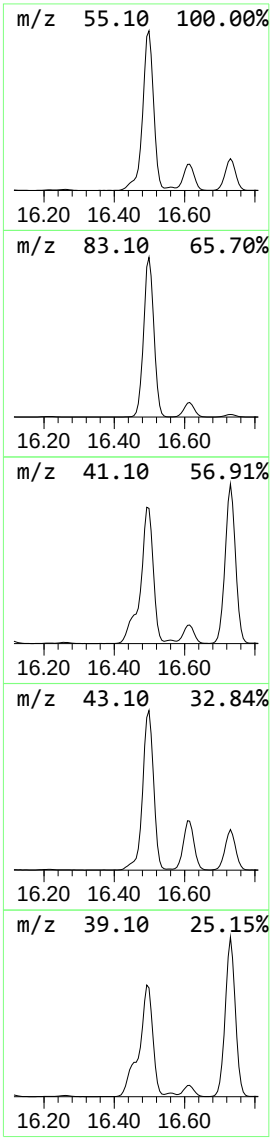
Peak Number 44 unknown-11 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.614	30.51 ug/L	2447520	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexamethylene chloroiodide	246	C6H12ClI	034683-73-3	96
2	Pyridine, 2,3,4,5-tetrahydro-	83	C5H9N	000505-18-0	43
3	Cyclobutanecarboxylic acid, 4-ni...	221	C11H11NO4	1000307-44-2	43
4	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	43
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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

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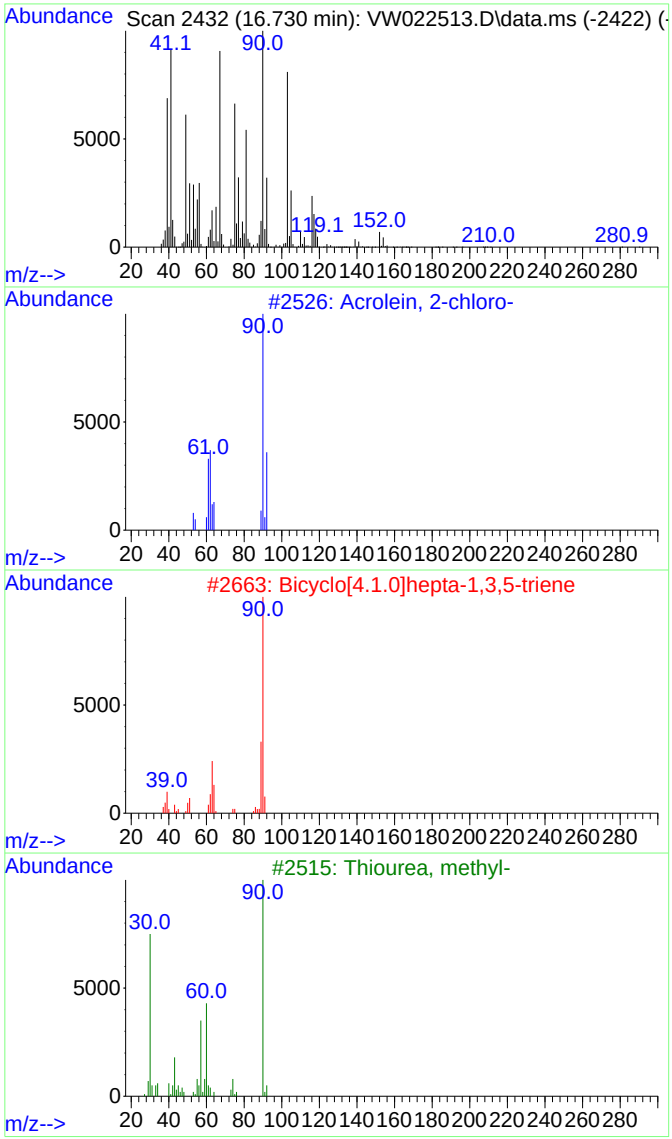
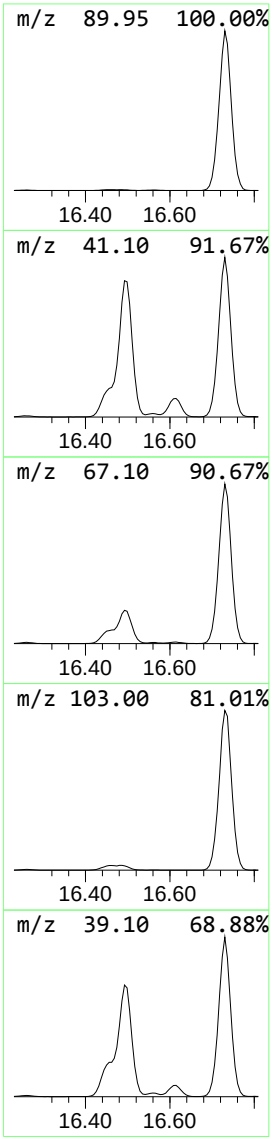
Peak Number 45 unknown-12 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.730	421.24 ug/L	33793600	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	37
2	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	30
3	Thiourea, methyl-	90	C2H6N2S	000598-52-7	27
4	2,2-Bis(chloromethyl)-1-propanol	156	C5H10Cl2O	005355-54-4	25
5	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	23





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041222\
Data File : VW022513.D
Acq On : 12 Apr 2022 17:34
Operator : SY/VA
Sample : N2316-21
Misc : 7.11g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNR9

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...	1.958	37.8	ug/L	1584990	1	8.841	1048290	25.0
(DEL) Alkane: S...	5.939	1.4	ug/L	56738	1	8.841	1048290	25.0
1-Propene, 3,3'...	8.988	17.9	ug/L	748835	1	8.841	1048290	25.0
2H-Pyran, tetra...	9.963	13.0	ug/L	545621	1	8.841	1048290	25.0
1-Hexene, 6-chl...	11.560	31.4	ug/L	12305000	2	11.634	9782180	25.0
unknown-01	12.603	45.3	ug/L	3637150	3	13.554	2005600	25.0
Benzene, bromo-	12.743	101.6	ug/L	8148200	3	13.554	2005600	25.0
(DEL) Alkane: S...	13.444	2.8	ug/L	223861	3	13.554	2005600	25.0
1-Propene, 1,3-...	13.639	3.3	ug/L	264186	3	13.554	2005600	25.0
unknown-02	13.682	4.5	ug/L	362079	3	13.554	2005600	25.0
unknown-03	14.036	165.1	ug/L	13242800	3	13.554	2005600	25.0
unknown-04	14.212	138.1	ug/L	11074800	3	13.554	2005600	25.0
1,4-Pentadien-3-ol	14.261	3.5	ug/L	280037	3	13.554	2005600	25.0
Oxalic acid, cy...	14.371	7.1	ug/L	567003	3	13.554	2005600	25.0
1,5-Hexadiene, ...	14.420	14.7	ug/L	1176450	3	13.554	2005600	25.0
Benzene, 1-brom...	14.468	788.7	ug/L	63271700	3	13.554	2005600	25.0
Hexane, 2,5-dib...	14.584	73.0	ug/L	5860620	3	13.554	2005600	25.0
Benzene, 1-brom...	14.743	2408.6	ug/L	193225000	3	13.554	2005600	25.0
Oxalic acid, cy...	14.828	169.8	ug/L	13620200	3	13.554	2005600	25.0
(DEL) Alkane: S...	15.005	181.5	ug/L	14558600	3	13.554	2005600	25.0
unknown-05	15.115	12.5	ug/L	1003540	3	13.554	2005600	25.0
Hexane, 1,2-dib...	15.157	4.1	ug/L	331541	3	13.554	2005600	25.0
2-Methyl-2-brom...	15.218	24.6	ug/L	1973700	3	13.554	2005600	25.0
(DEL) Alkane: C...	15.554	1580.3	ug/L	126782000	3	13.554	2005600	25.0
unknown-06	15.608	48.1	ug/L	3862840	3	13.554	2005600	25.0
Hexane, 1,5-dib...	15.639	35.6	ug/L	2858100	3	13.554	2005600	25.0
unknown-07	15.718	13.8	ug/L	1104530	3	13.554	2005600	25.0
unknown-08	15.858	64.8	ug/L	5201770	3	13.554	2005600	25.0
Hexamethylene c...	15.956	3.2	ug/L	260282	3	13.554	2005600	25.0
unknown-09	16.108	6.8	ug/L	547050	3	13.554	2005600	25.0
unknown-10	16.261	4.0	ug/L	323378	3	13.554	2005600	25.0
Hexane, 1,6-dib...	16.493	377.1	ug/L	30248700	3	13.554	2005600	25.0
Cyclohexane, 1,...	16.560	10.6	ug/L	847396	3	13.554	2005600	25.0
unknown-11	16.614	30.5	ug/L	2447520	3	13.554	2005600	25.0
unknown-12	16.730	421.2	ug/L	33793600	3	13.554	2005600	25.0