LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

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\SFAMWLM110621SMA.M
Title : SFAM01.0

Signal : TIC: VW020807.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	6	10	23	rVB3	7741	25002	0.04%	0.020%
2	2.178	42	45	50	rVB2	2917	4452	0.01%	0.004%
3	2.349	66	73	86	rBV2	84018	149468	0.26%	0.119%
4	2.489	91	96	112	rVV	13404	31484	0.05%	0.025%
5	2.806	143	148	153	rBV	4332	7895	0.01%	0.006%
6	2.879	153	160	173	rVB	20835	47047	0.08%	0.037%
7	3.014	177	182	195	rVB3	8127	21040	0.04%	0.017%
8	3.166	201	207	220	rVB2	5666	21157	0.04%	0.017%
9	3.312	224	231	235	rBV4	1452	3062	0.01%	0.002%
10	3.385	235	243	252	rVB2	8748	21345	0.04%	0.017%
11	3.727	289	299	302	rBV2	4636	12546	0.02%	0.010%
12	3.782	302	308	323	rVB3	9366	27791	0.05%	0.022%
13	4.044	335	351	358	rBV5	550396	1914296	3.34%	1.523%
14	4.117	358	363	397	rVV	549287	1614594	2.81%	1.284%
15	4.391	397	408	431	rVV2	35412	122925	0.21%	0.098%
16	4.928	482	496	521	rVB9	8110	54225	0.09%	0.043%
17	5.428	565	578	592	rBV	86920	281198	0.49%	0.224%
18	5.787	624	637	648	rBV2	4932	15997	0.03%	0.013%
19	5.934	651	661	676	rVB	14204	42938	0.07%	0.034%
20	6.214	691	707	729	rBV	1082738	3309301	5.77%	2.632%
21	6.598	761	770	779	rBV3	3701	10871	0.02%	0.009%
22	6.897	807	819	821	rBV5	1345	4353	0.01%	0.003%
23	6.982	823	833	844	rVB2	48597	143890	0.25%	0.114%
24	7.159	844	862	900	rBV2	14437686	49027014	85.43%	38.999%
25	7.501	910	918	933	rVV2	4174	14383	0.03%	0.011%
26	7.647	933	942	956	rVB	75638	198612	0.35%	0.158%
27	7.872	966	979	989	rBV	1042993	2597457	4.53%	2.066%
28	7.958	989	993	1001	rVB	23653	51921	0.09%	0.041%
29	8.031	1001	1005	1012	rVB3	2436	5181	0.01%	0.004%
30	8.159	1016	1026	1032	rBV2	3129	7561	0.01%	0.006%
31	8.275	1035	1045	1049	rBV	146580	361928	0.63%	0.288%
32	8.403	1060	1066	1075	rVB	35709	77614	0.14%	0.062%
33	8.482	1075	1079	1087	rVB4	2039	5159	0.01%	0.004%
34	8.561	1087	1092	1100	rVB8	2674	7904	0.01%	0.006%
35	8.702	1107	1115	1124	rBV2	14613	32922	0.06%	0.026%
36	8.842	1130	1138	1148	rBV	178181	350824	0.61%	0.279%

LSC Area Percent Report

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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

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\SFAMWLM110621SMA.M
Title : SFAM01.0

37	9.092	1168	1179	1189	rBV	118990	238054	0.41%	0.189%
38	9.275	1198	1209	1215	rBV	105691	216923	0.38%	0.173%
39	9.336	1215	1219	1225	rVB	10482	20179	0.04%	0.016%
40	9.445	1228	1237	1245	rVB2	25296	60782	0.11%	0.048%
41	9.756	1281	1288	1295	rBV2	4484	9175	0.02%	0.007%
42	9.890	1304	1310	1316	rBV4	2819	5806	0.01%	0.005%
43	9.957	1316	1321	1325	rBV2	3009	5706	0.01%	0.005%
44	10.037	1327	1334	1341	rBV	64750	117840	0.21%	0.094%
45	10.092	1341	1343	1354	rVB6	2589	7111	0.01%	0.006%
46	10.220	1354	1364	1374	rBV	227312	473369	0.82%	0.377%
47	10.329	1374	1382	1385	rBV	197375	392788	0.68%	0.312%
48	10.396	1385	1393	1407	rVV	17972011	57388566	100.00%	45.650%
49	10.506	1407	1411	1416	rVV3	10248	18523	0.03%	0.015%
50	10.579	1416	1423	1432	rVB2	54880	97356	0.17%	0.077%
51	10.732	1445	1448	1451	rVV3	2355	3328	0.01%	0.003%
52	10.787	1451	1457	1462	rVB	24761	41328	0.07%	0.033%
53	10.860	1462	1469	1475	rBV	163369	288949	0.50%	0.230%
54	10.927	1475	1480	1491	rVB2	84653	157750	0.27%	0.125%
55	11.073	1499	1504	1509	rBV3	2325	3618	0.01%	0.003%
56	11.177	1517	1521	1525	rVB	2675	3637	0.01%	0.003%
57	11.232	1525	1530	1534	rVB3	3790	6592	0.01%	0.005%
58	11.335	1541	1547	1552	rBV4	1891	3990	0.01%	0.003%
59	11.408	1552	1559	1569	rVB7	3741	12433	0.02%	0.010%
60	11.512	1569	1576	1586	rBV5	4771	12227	0.02%	0.010%
61	11.628	1586	1595	1604	rBV	243219	418411	0.73%	0.333%
62	11.731	1604	1612	1620	rBV	249352	412727	0.72%	0.328%
63	11.835	1620	1629	1639	rBV	869663	1595967	2.78%	1.270%
64	12.055	1658	1665	1670	rVV8	1699	3455	0.01%	0.003%
65	12.164	1670	1683	1690	rBV	327599	547887	0.95%	0.436%
66	12.250	1690	1697	1701	rVB3	11119	21603	0.04%	0.017%
67	12.359	1701	1715	1726	rBV7	39429	106953	0.19%	0.085%
68	12.457	1727	1731	1736	rVV2	8613	19193	0.03%	0.015%
69	12.506	1736	1739	1741	rVV2	7015	11580	0.02%	0.009%
70	12.536	1741	1744	1747	rVV3	8812	15999	0.03%	0.013%
71	12.567	1747	1749	1750	rVV2	7438	7703	0.01%	0.006%
72	12.603	1750	1755	1760	rVV	83986	137081	0.24%	0.109%
73	12.646	1760	1762	1764	rVV	6023	7415	0.01%	0.006%
74	12.689	1764	1769	1776	rVV	93180	158676	0.28%	0.126%
75	12.780	1777	1784	1791	rVV3	16127	39850	0.07%	0.032%
76	12.865	1791	1798	1801	rVV	26084	46211	0.08%	0.037%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

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\SFAMWLM110621SMA.M
Title : SFAM01.0

77	12.926	1801	1808	1815	rVV2	50022	118259	0.21%	0.094%
78	12.987	1815	1818	1820	rVV3	5973	8606	0.01%	0.007%
79	13.030	1820	1825	1830	rVV	76311	112629	0.20%	0.090%
80	13.103	1830	1837	1843	rVV	16157	37102	0.06%	0.030%
81	13.164	1843	1847	1855	rVV4	8906	17512	0.03%	0.014%
82	13.268	1855	1864	1874	rVV3	84039	227017	0.40%	0.181%
83	13.378	1878	1882	1887	rVV3	3929	8107	0.01%	0.006%
84	13.445	1887	1893	1897	rVV6	10057	20660	0.04%	0.016%
85	13.487	1897	1900	1904	rVV5	3708	5377	0.01%	0.004%
86	13.554	1905	1911	1922	rVV2	191949	361526	0.63%	0.288%
87	13.646	1923	1926	1929	rVB2	3562	4812	0.01%	0.004%
88	13.755	1937	1944	1952	rBV	401080	650029	1.13%	0.517%
89	13.853	1953	1960	1966	rVV	156159	290060	0.51%	0.231%
90	13.908	1966	1969	1973	rVB2	17703	25231	0.04%	0.020%
91	14.005	1982	1985	1989	rBV5	2761	4191	0.01%	0.003%
92	14.066	1991	1995	1998	rBV2	4012	5143	0.01%	0.004%
93	14.201	2012	2017	2024	rVB6	4079	7689	0.01%	0.006%
94	14.322	2030	2037	2039	rBV7	3232	8078	0.01%	0.006%
95	14.353	2039	2042	2050	rVV5	5931	15040	0.03%	0.012%
96	14.450	2055	2058	2063	rVB4	4165	6774	0.01%	0.005%
97	14.792	2108	2114	2119	rVV3	3490	6740	0.01%	0.005%
98	14.847	2119	2123	2130	rVB6	1706	3742	0.01%	0.003%
99	15.066	2151	2159	2163	rBV5	2340	4566	0.01%	0.004%
100	15.487	2222	2228	2234	rVB2	1566	3537	0.01%	0.003%

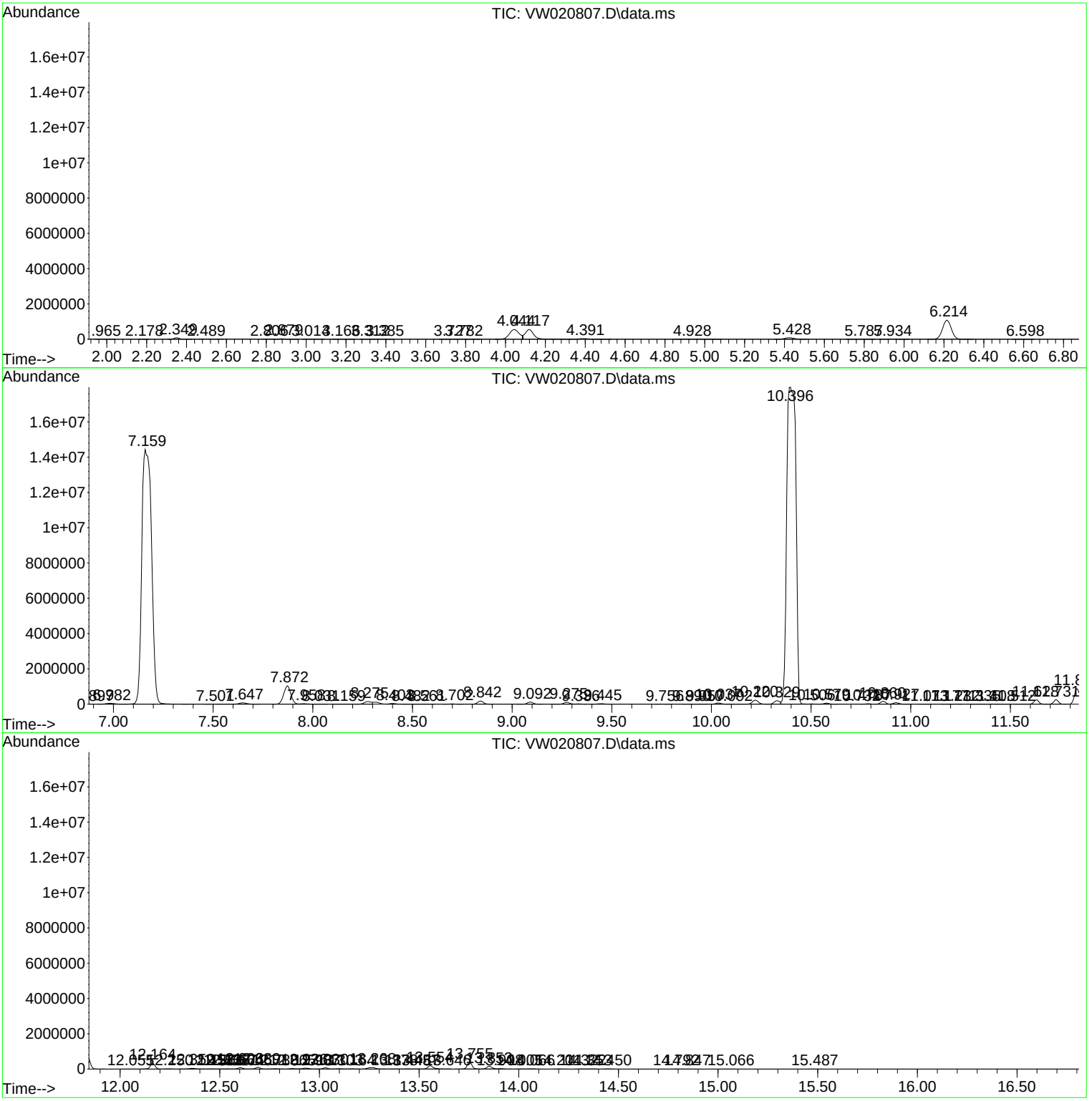
Sum of corrected areas: 125714525

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

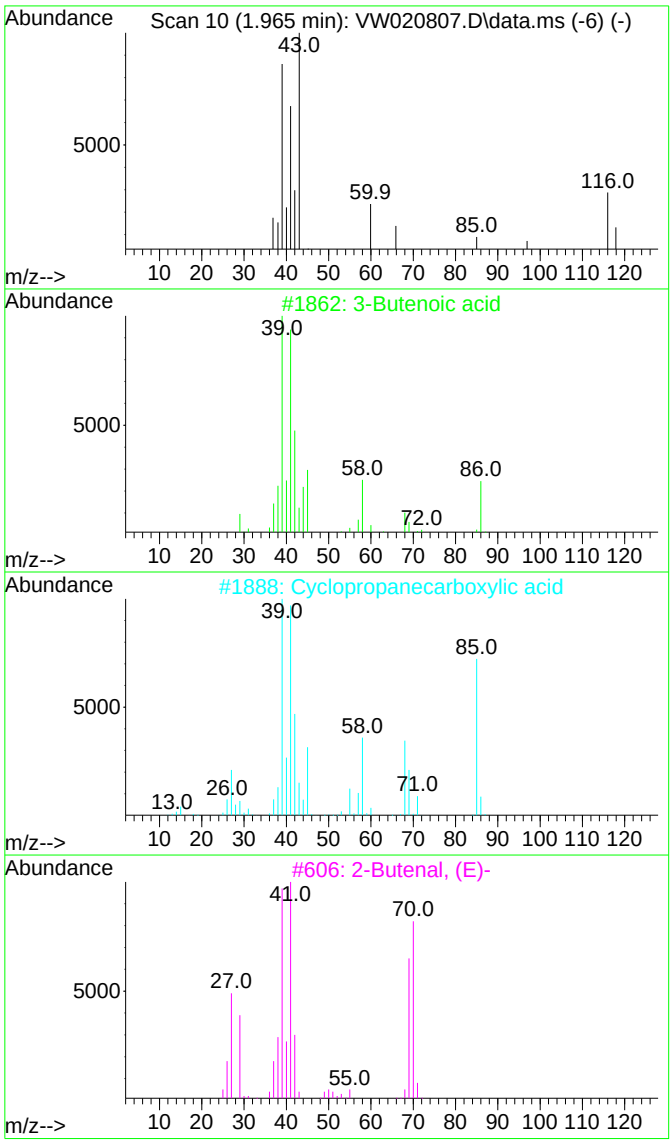
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

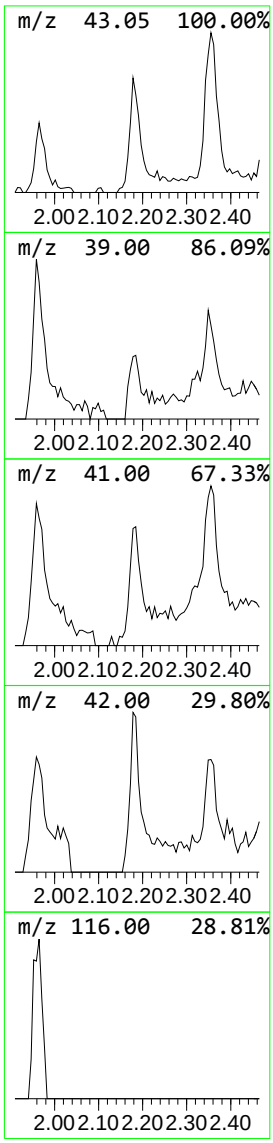
****

Peak Number 1 3-Butenoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.965	1.78 ug/L	25002	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid	86	C4H6O2	000625-38-7	56
2	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	45
3	2-Butenal, (E)-	70	C4H6O	000123-73-9	40
4	2H-Pyran-2-one	96	C5H4O2	000504-31-4	39
5	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

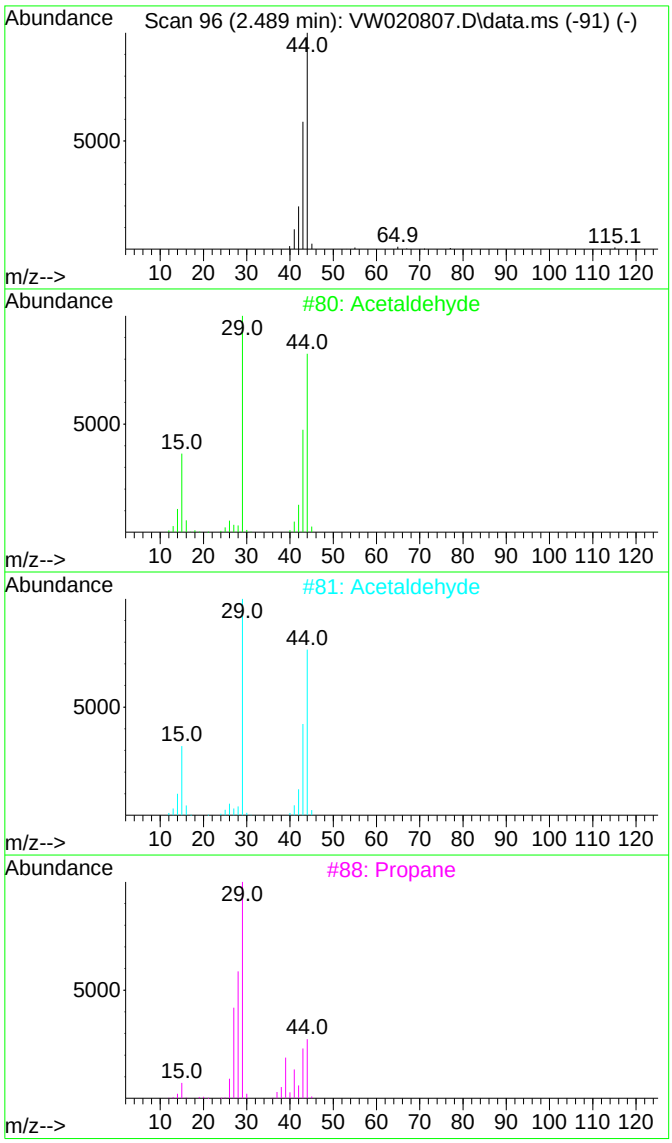
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

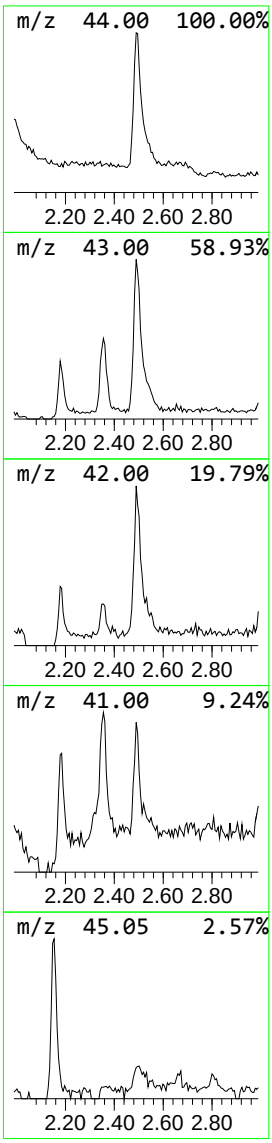
****

Peak Number 2 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	2.24 ug/L	31484	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Propane	44	C3H8	000074-98-6	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

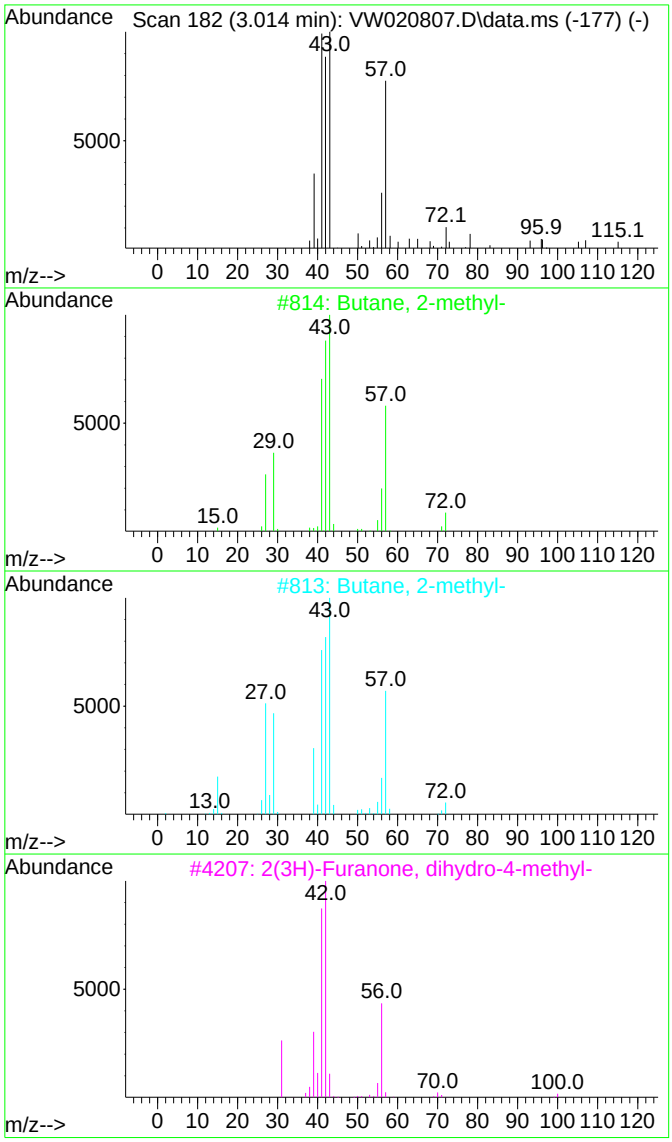
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

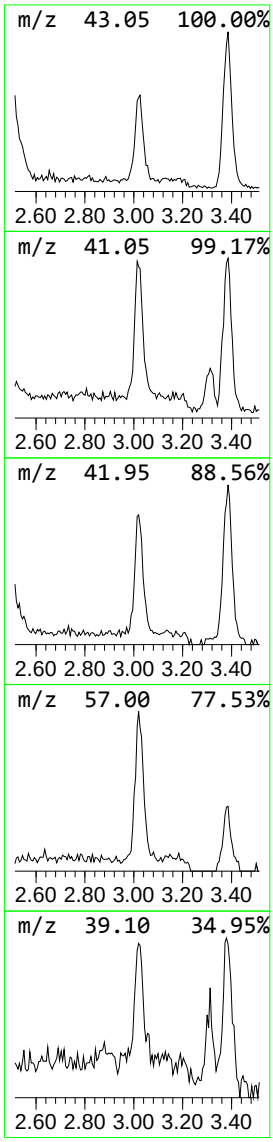
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.014	1.50 ug/L	21040	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	80
2	Butane, 2-methyl-	72	C5H12	000078-78-4	64
3	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	23
4	3-Buten-1-ol	72	C4H8O	000627-27-0	9
5	2-(3,3-Dimethyldiaziridin-1-yl)e...	115	C5H13N3	139223-40-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

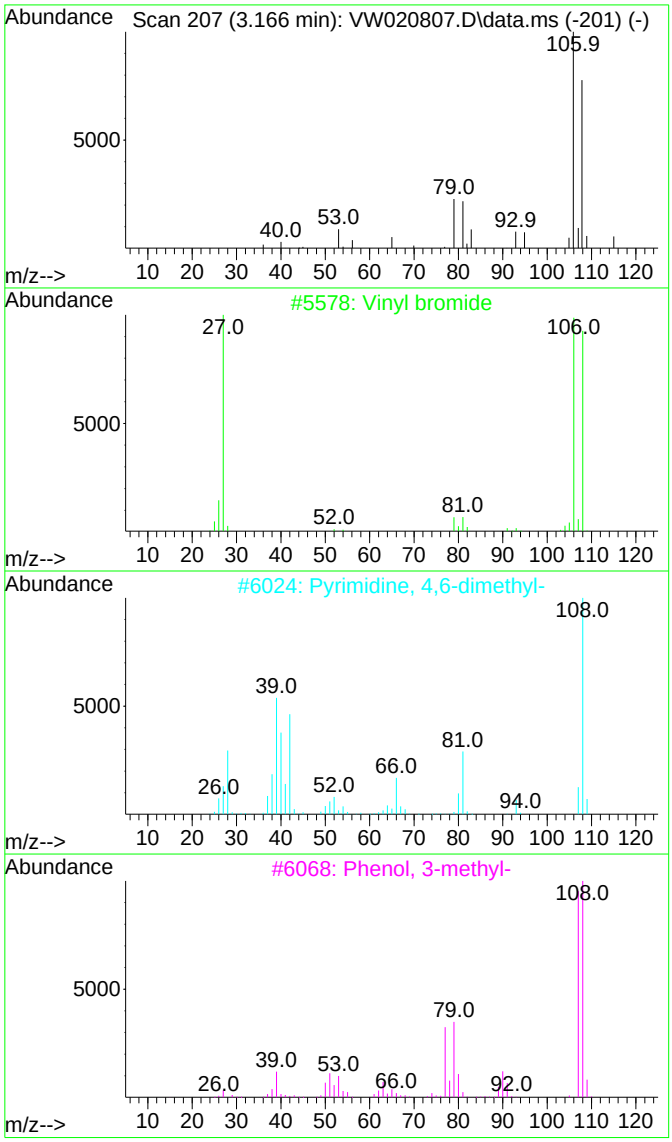
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

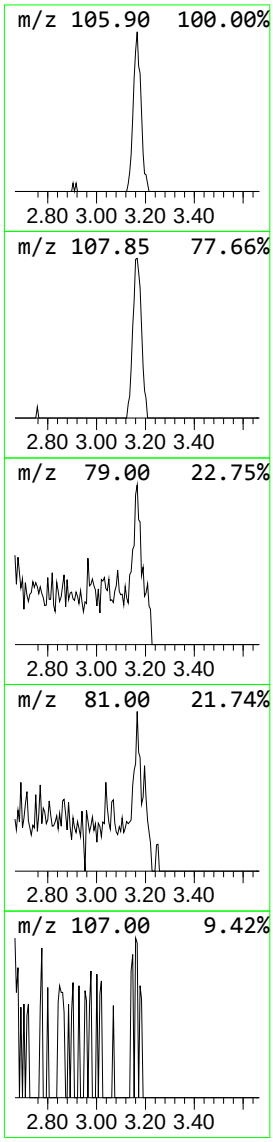
****

Peak Number 4 Vinyl bromide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.166	1.51 ug/L	21157	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vinyl bromide	106	C2H3Br	000593-60-2	78
2	Pyrimidine, 4,6-dimethyl-	108	C6H8N2	001558-17-4	35
3	Phenol, 3-methyl-	108	C7H8O	000108-39-4	35
4	1,3-Phenylenediamine	108	C6H8N2	000108-45-2	27
5	1,3-Phenylenediamine	108	C6H8N2	000108-45-2	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

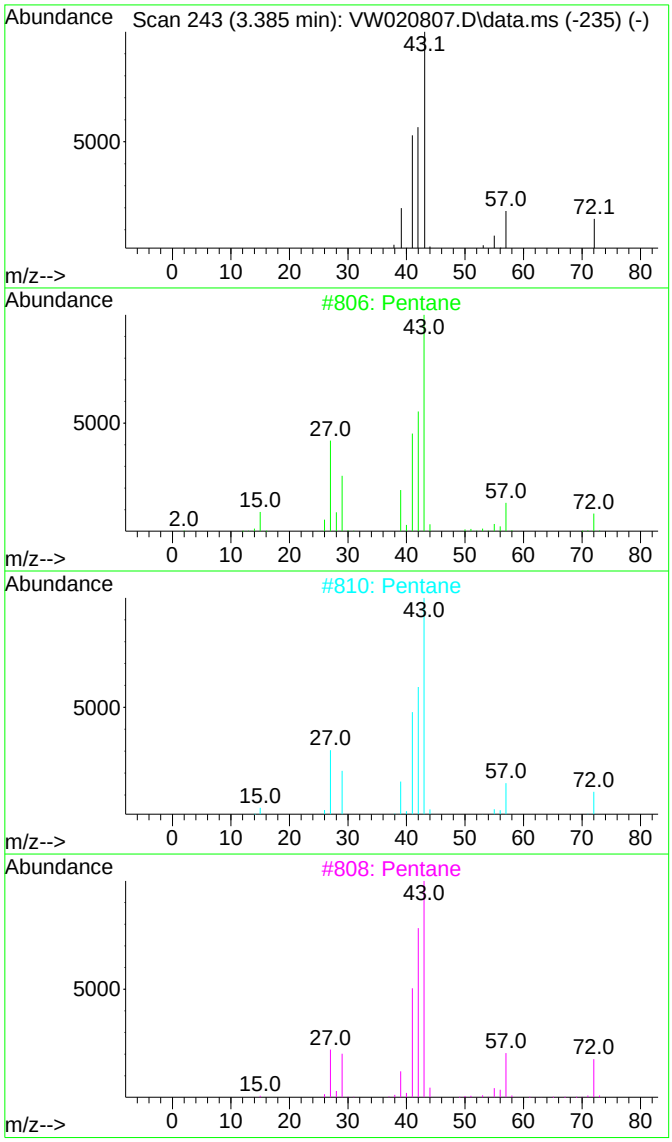
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

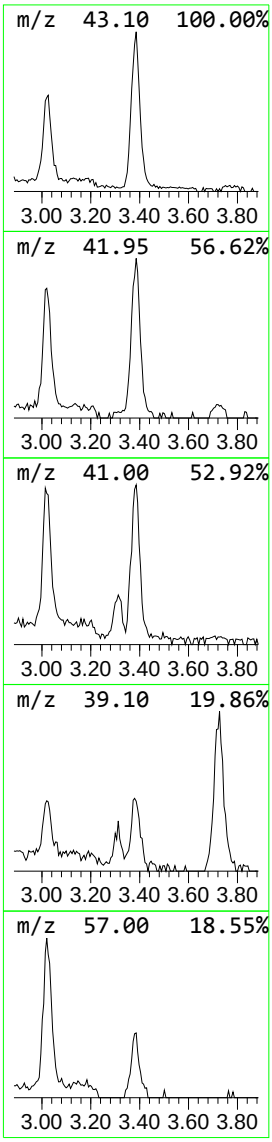
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.385	1.52 ug/L	21345	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	83
2	Pentane	72	C5H12	000109-66-0	78
3	Pentane	72	C5H12	000109-66-0	78
4	Pentane	72	C5H12	000109-66-0	72
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	59





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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

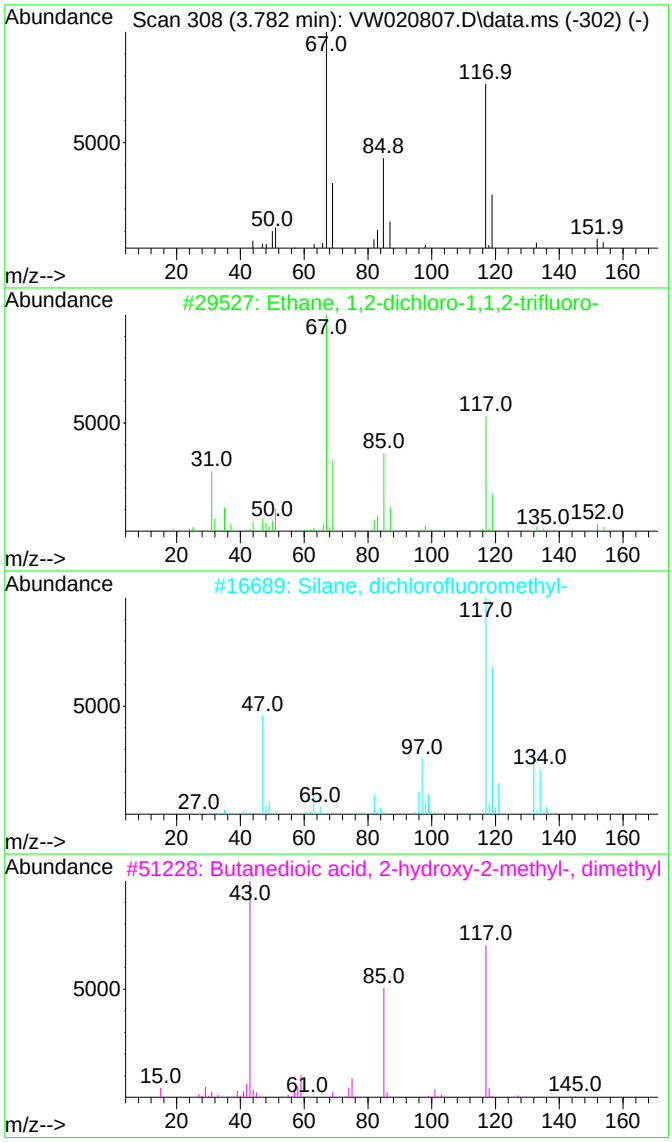
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

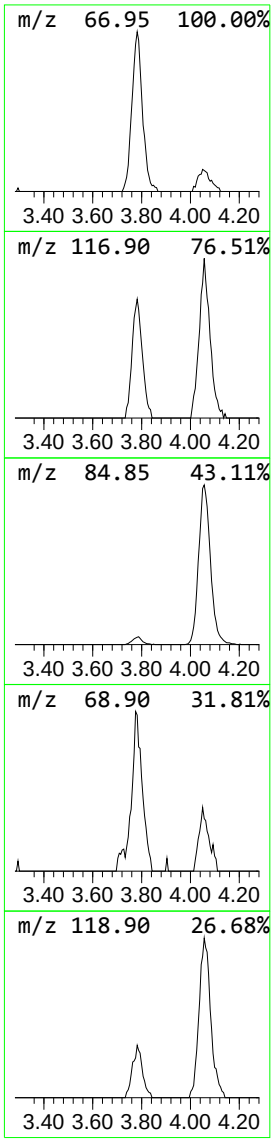
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Ethane, 1,2-dichloro-1,1,2-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.782	1.98 ug/L	27791	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,2-dichloro-1,1,2-trifl...	152	C2HCl2F3	000354-23-4	91
2	Silane, dichlorofluoromethyl-	132	CH3Cl2FSi	000420-58-6	9
3	Butanedioic acid, 2-hydroxy-2-me...	176	C7H12O5	081426-68-8	9
4	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9
5	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	7





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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

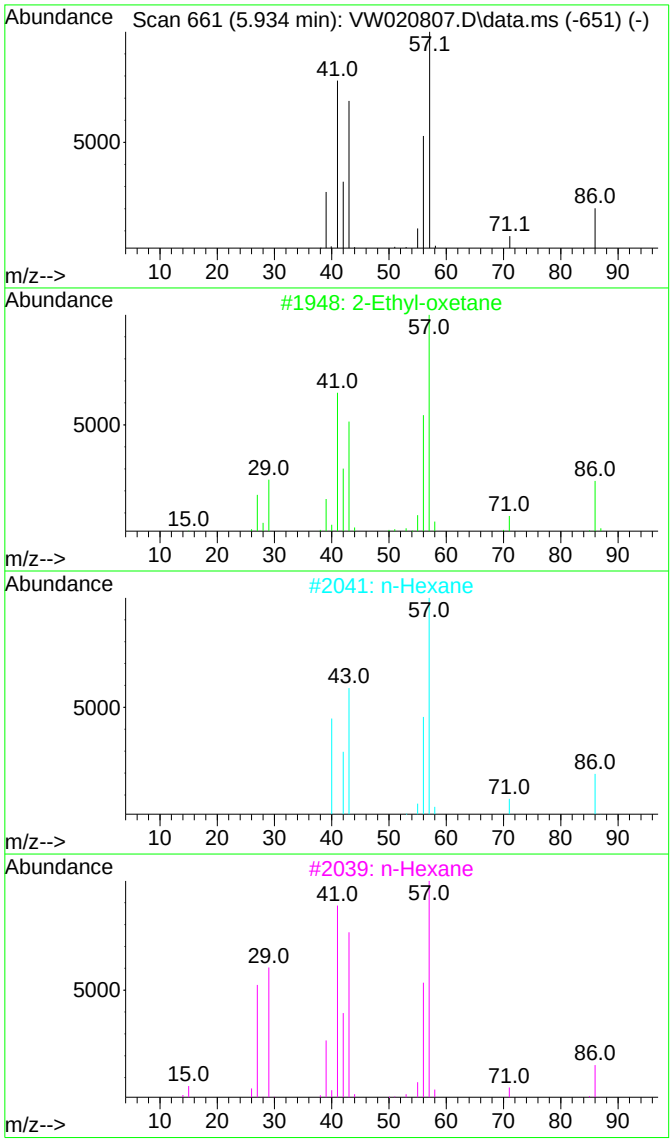
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

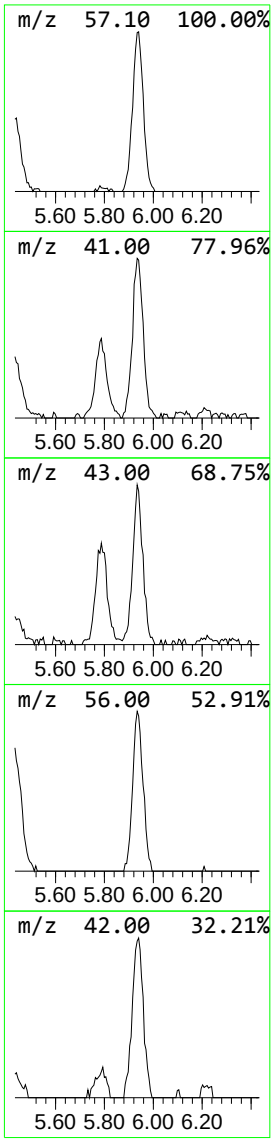
****

Peak Number 8 2-Ethyl-oxetane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.934	3.06 ug/L	42938	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	80
3	n-Hexane	86	C6H14	000110-54-3	64
4	n-Hexane	86	C6H14	000110-54-3	59
5	Butanal, 2-methyl-	86	C5H10O	000096-17-3	43





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Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

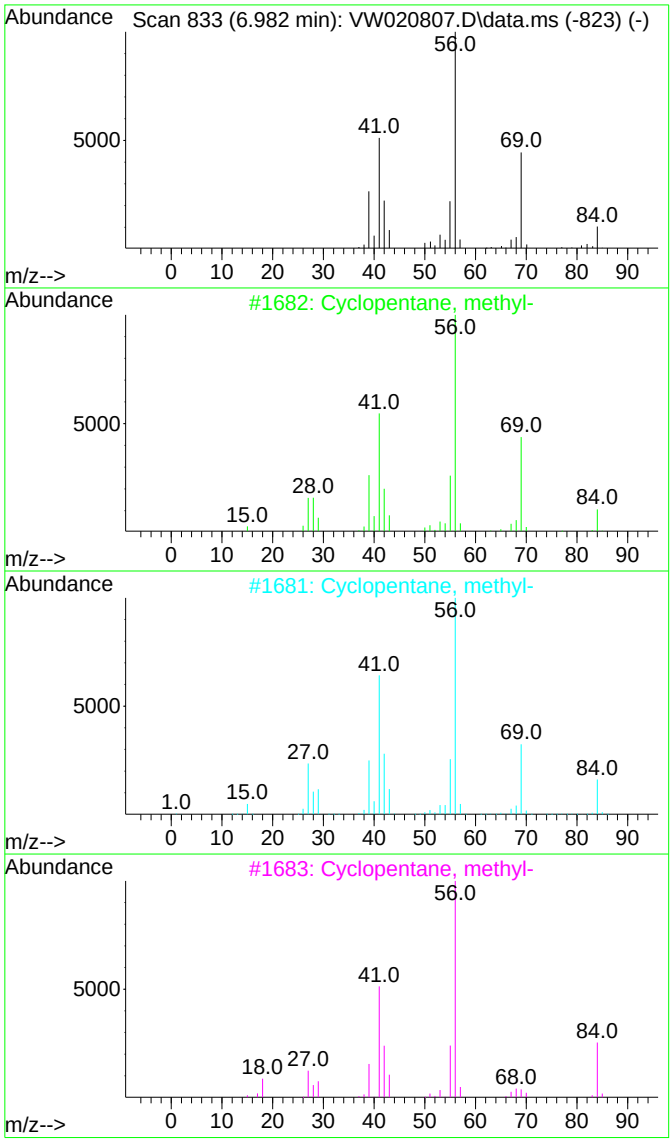
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

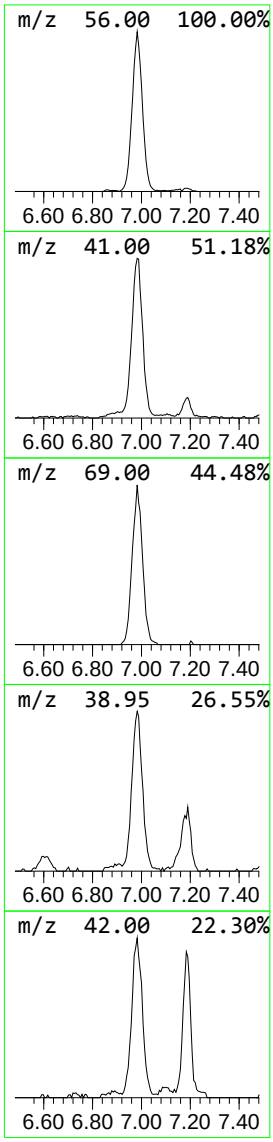
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic6.982 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.982	10.25 ug/L	143890	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
4	Cyclohexane	84	C6H12	000110-82-7	80
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72





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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

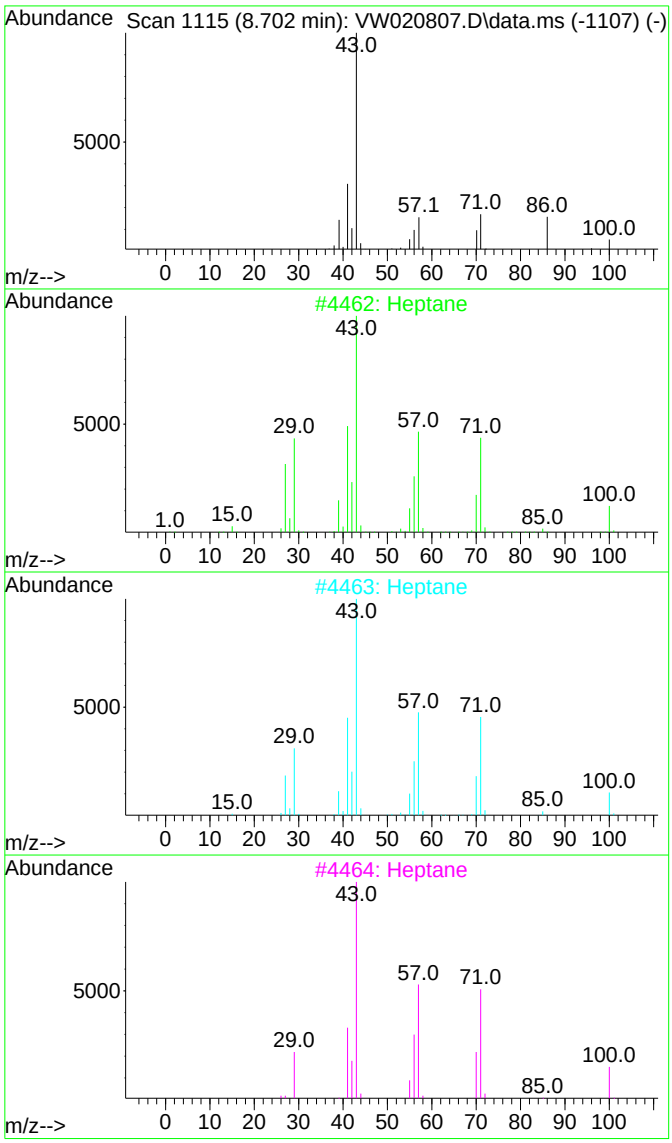
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

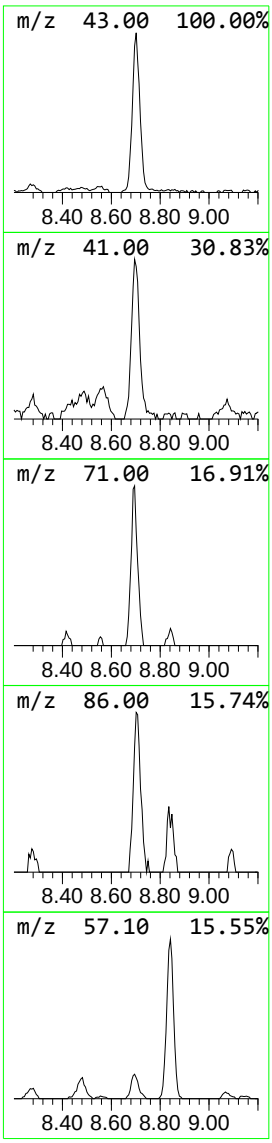
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.702	2.35 ug/L	32922	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	53
2	Heptane	100	C7H16	000142-82-5	53
3	Heptane	100	C7H16	000142-82-5	53
4	Heptane	100	C7H16	000142-82-5	50
5	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	50





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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

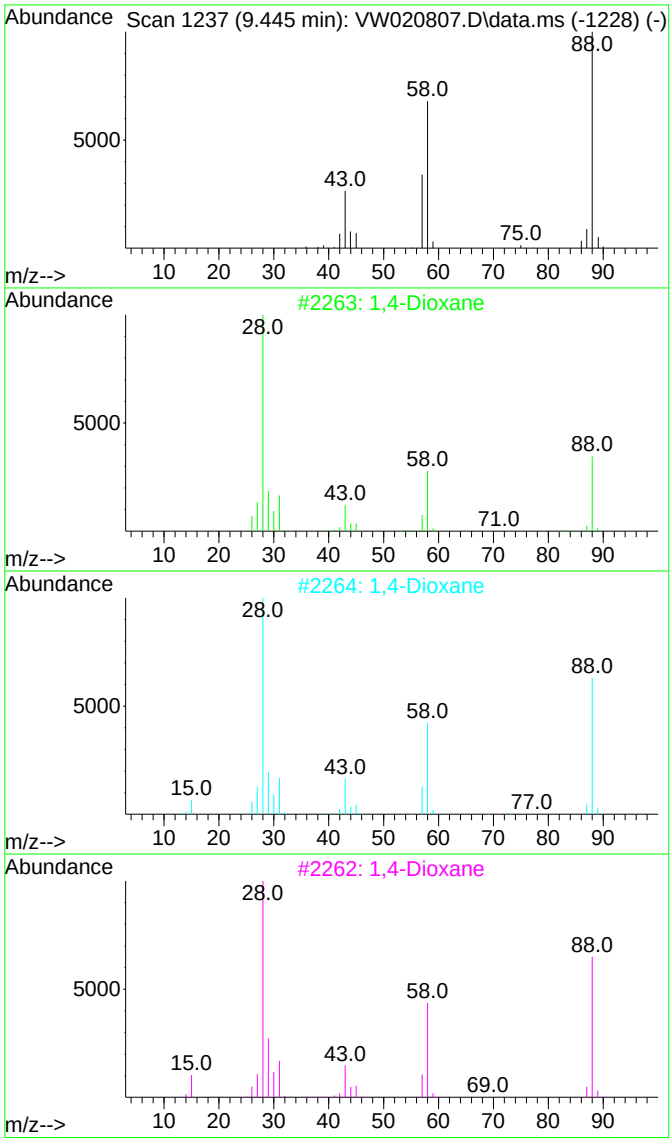
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

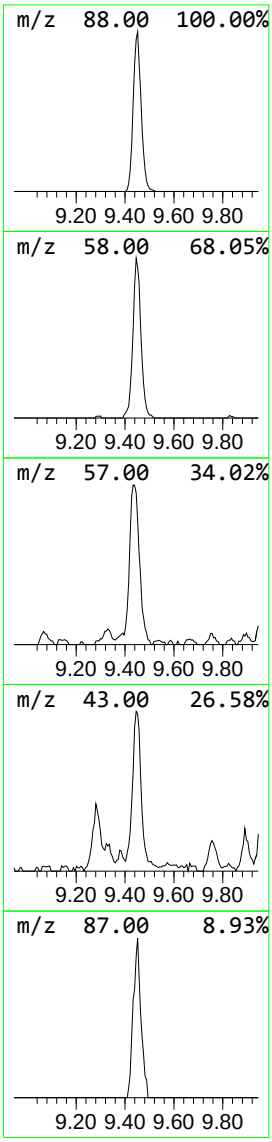
****

Peak Number 11 1,4-Dioxane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	4.33 ug/L	60782	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	91
2	1,4-Dioxane	88	C4H8O2	000123-91-1	90
3	1,4-Dioxane	88	C4H8O2	000123-91-1	90
4	1,4-Dioxane	88	C4H8O2	000123-91-1	83
5	Urea, N,N'-dimethyl-	88	C3H8N2O	000096-31-1	72





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Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

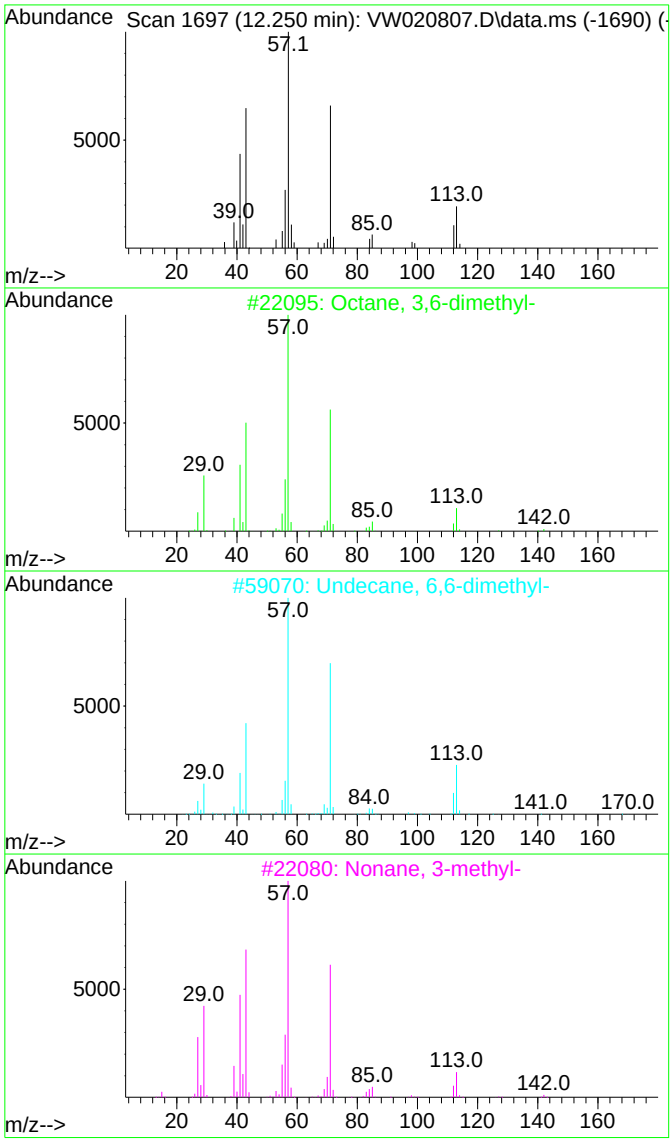
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

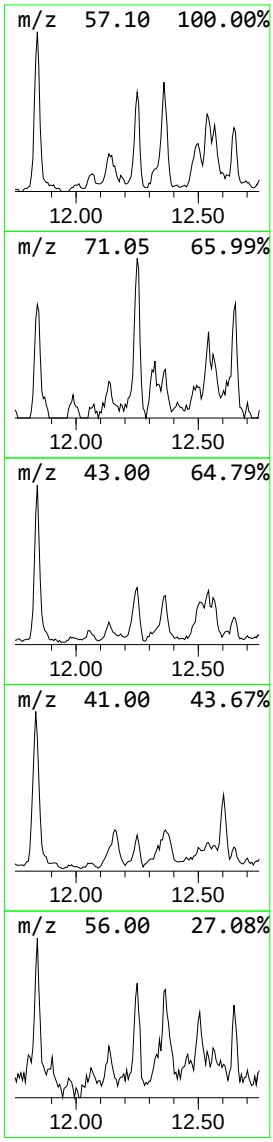
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	1.29 ug/L	21603	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
2	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

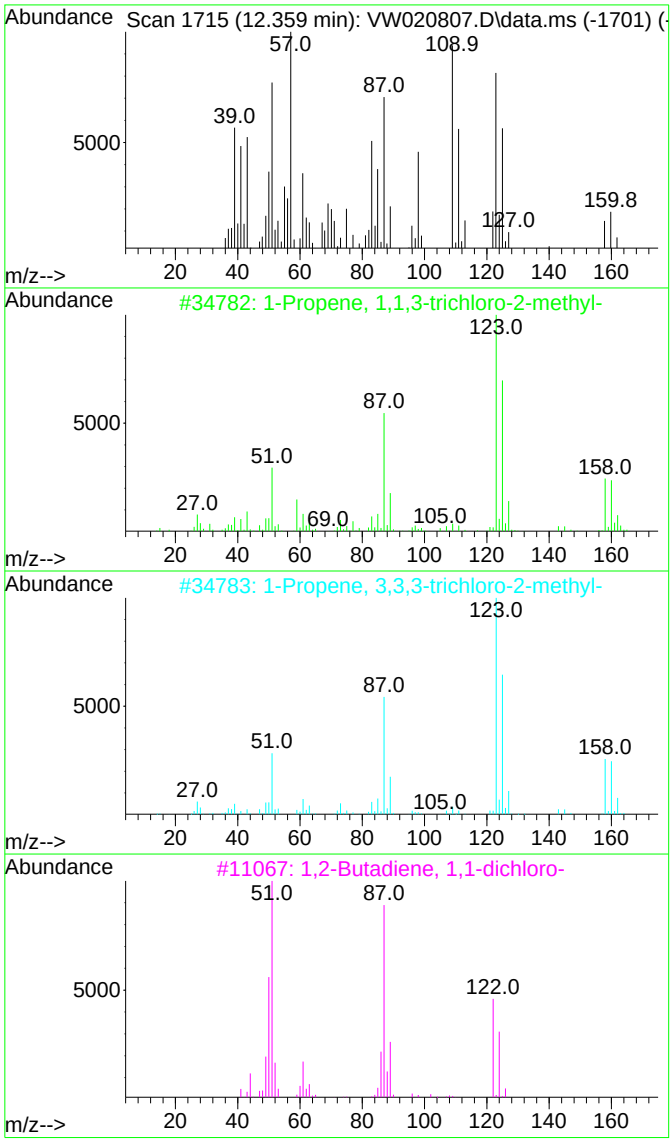
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

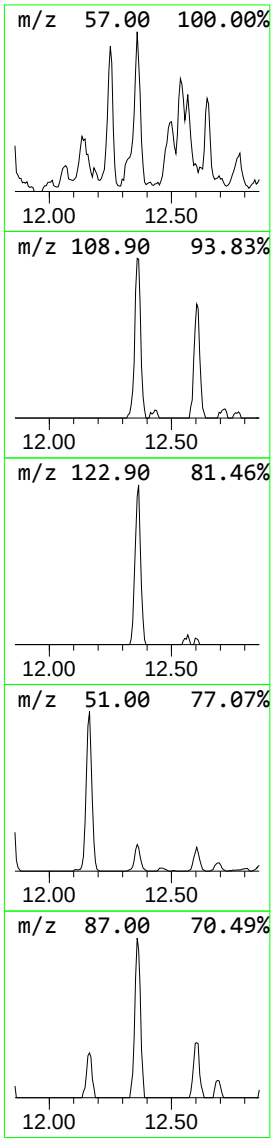
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1-Propene, 1,1,3-trichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	6.39 ug/L	106953	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 1,1,3-trichloro-2-met...	158	C4H5Cl3	031702-33-7	91
2	1-Propene, 3,3,3-trichloro-2-met...	158	C4H5Cl3	004749-27-3	64
3	1,2-Butadiene, 1,1-dichloro-	122	C4H4Cl2	108562-61-4	49
4	5-Nitro-2-furaldehyde p-tosylhyd...	309	C12H11N3O5S	013777-58-7	38
5	4-Chlorobuten-3-yne	86	C4H3Cl	040589-38-6	35





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Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

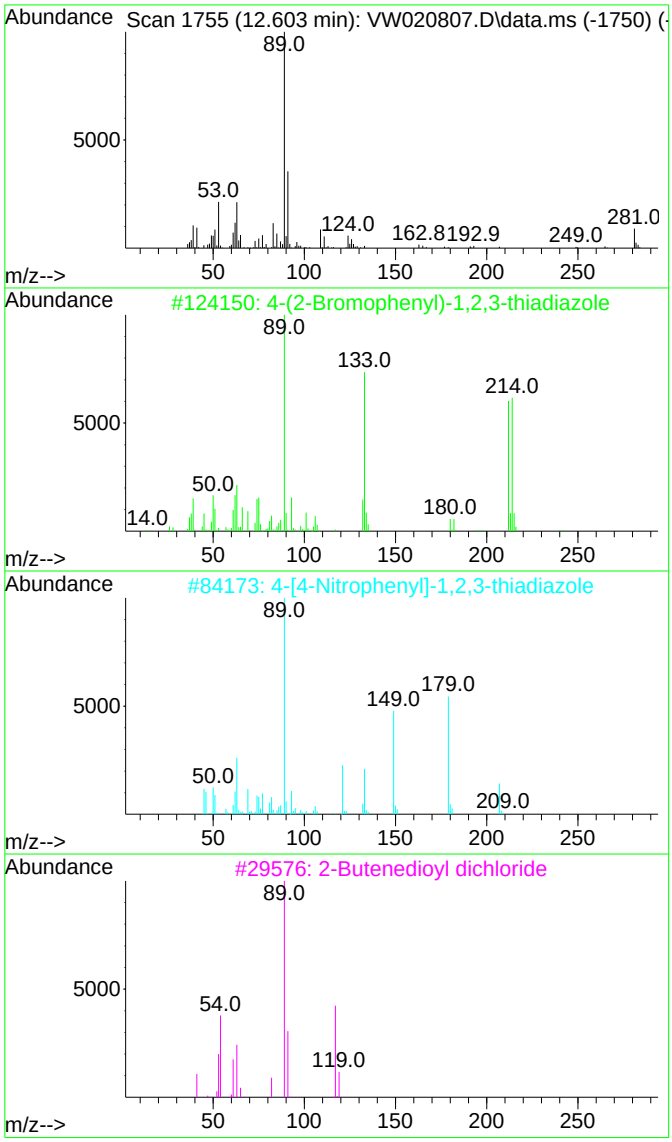
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

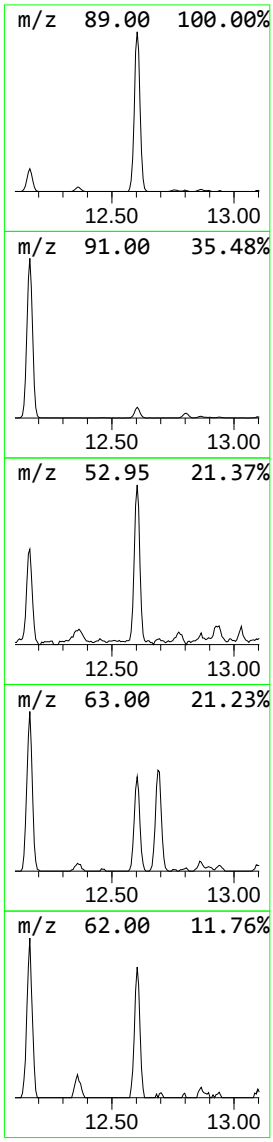
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4-(2-Bromophenyl)-1,2,3-thi... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.603	9.48 ug/L	137081	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(2-Bromophenyl)-1,2,3-thiadiazole	240	C8H5BrN2S	1000436-97-2	64
2	4-[4-Nitrophenyl]-1,2,3-thiadiazole	207	C8H5N3O2S	082894-98-2	56
3	2-Butenedioyl dichloride	152	C4H2Cl2O2	016769-97-4	50
4	3,7-Dimethyl-6,7-di(methylthio)o...	248	C12H24OS2	1000314-40-1	45
5	Thiopropionamide	89	C3H7NS	000631-58-3	38





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Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

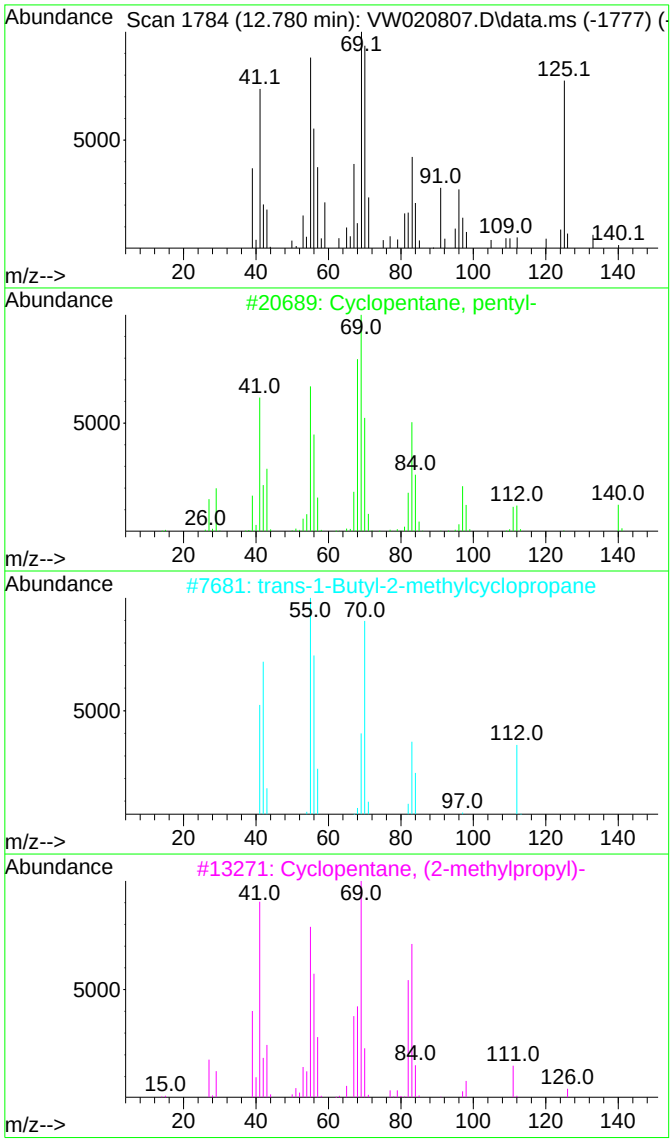
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

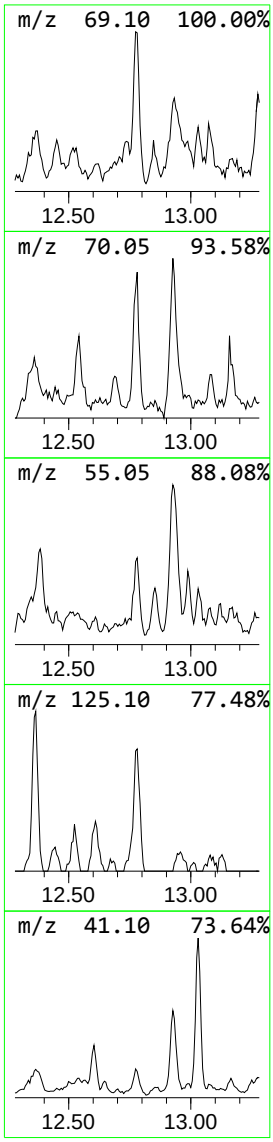
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic12.780 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	2.76 ug/L	39850	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, pentyl-	140	C10H20	003741-00-2	55
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	41
3	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	41
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	38
5	2-Dodecenal, (E)-	182	C12H22O	020407-84-5	35





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Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

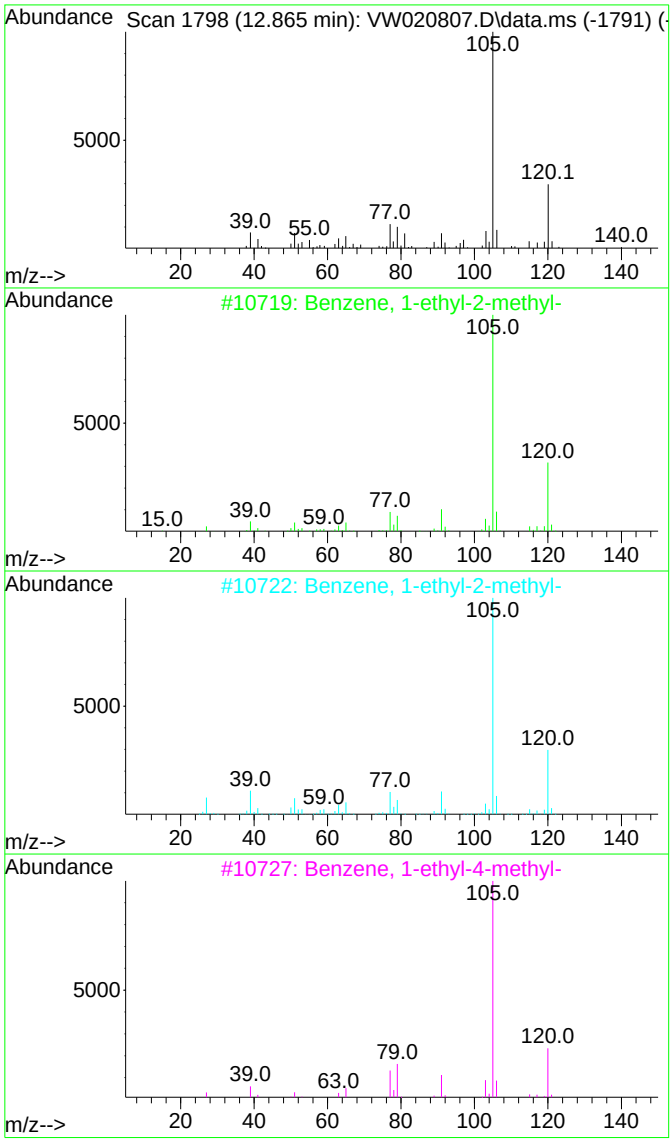
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

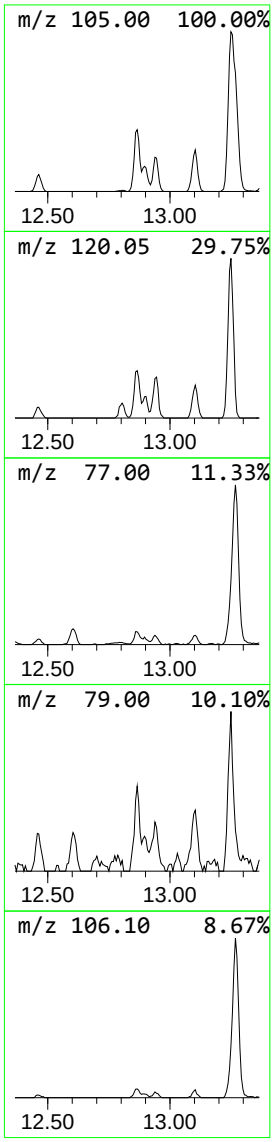
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	3.20 ug/L	46211	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

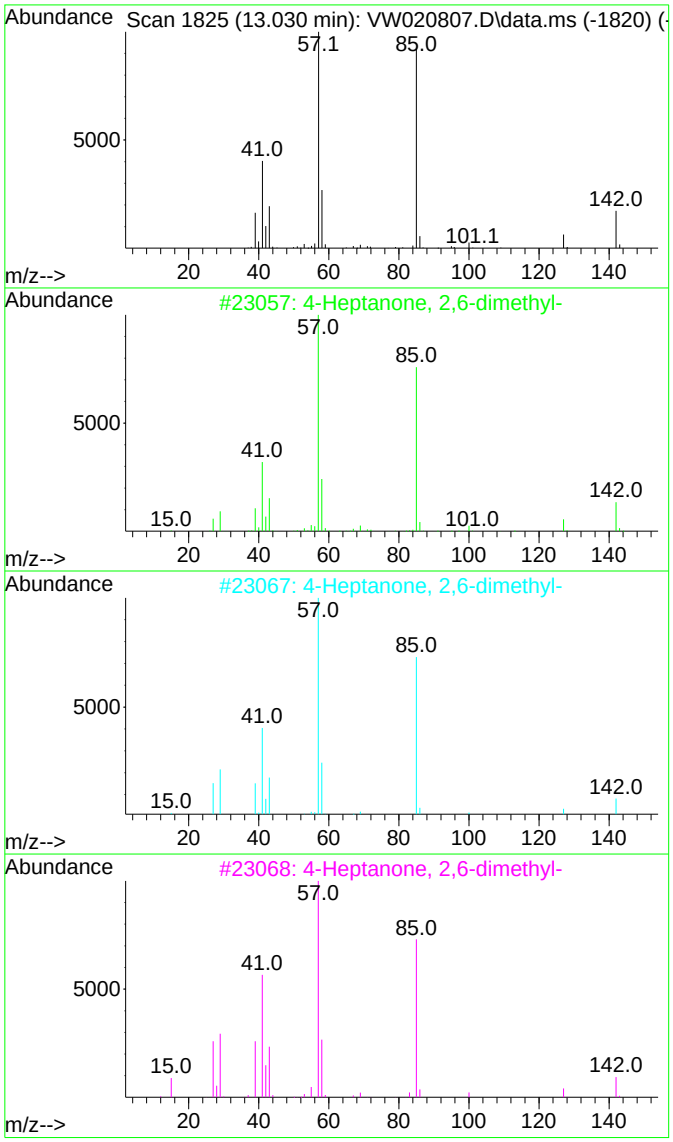
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

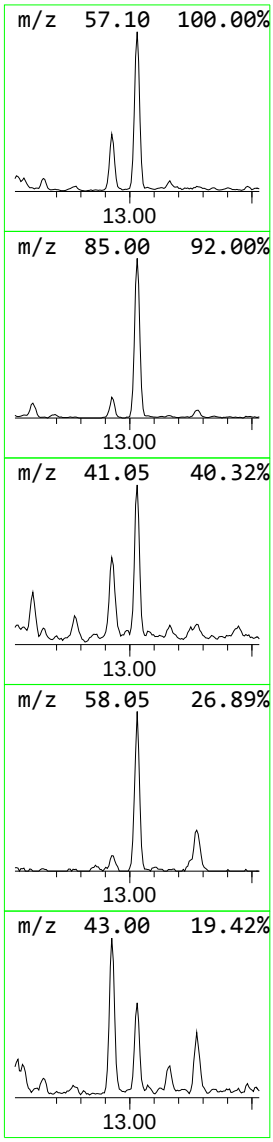
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 4-Heptanone, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.030	7.79 ug/L	112629	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	74
4	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	64
5	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	56





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Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

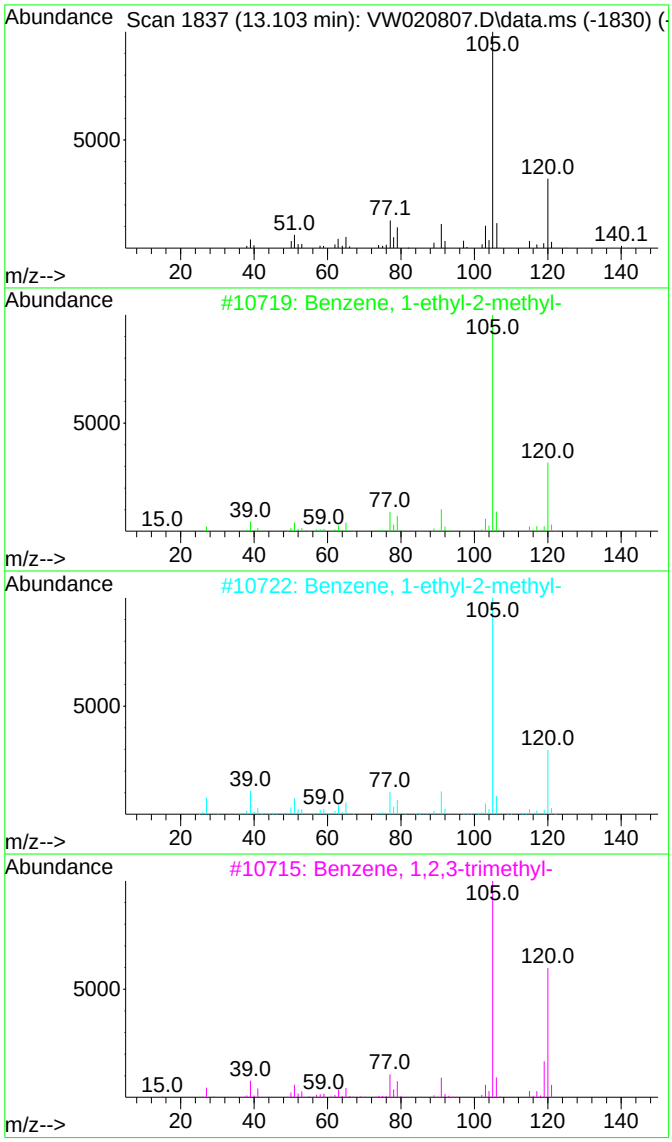
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

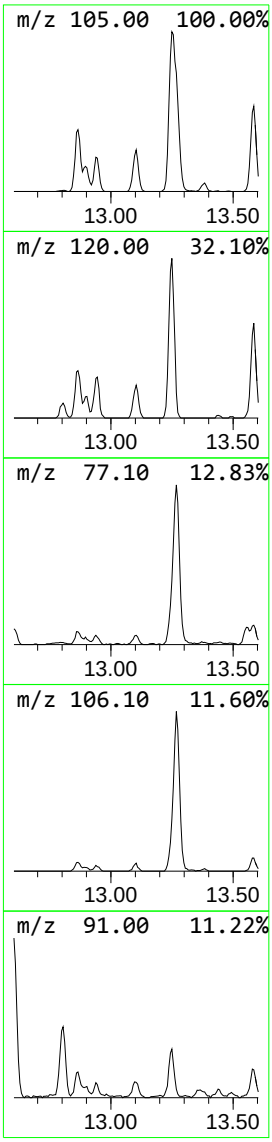
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	2.57 ug/L	37102	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Mesitylene	120	C9H12	000108-67-8	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

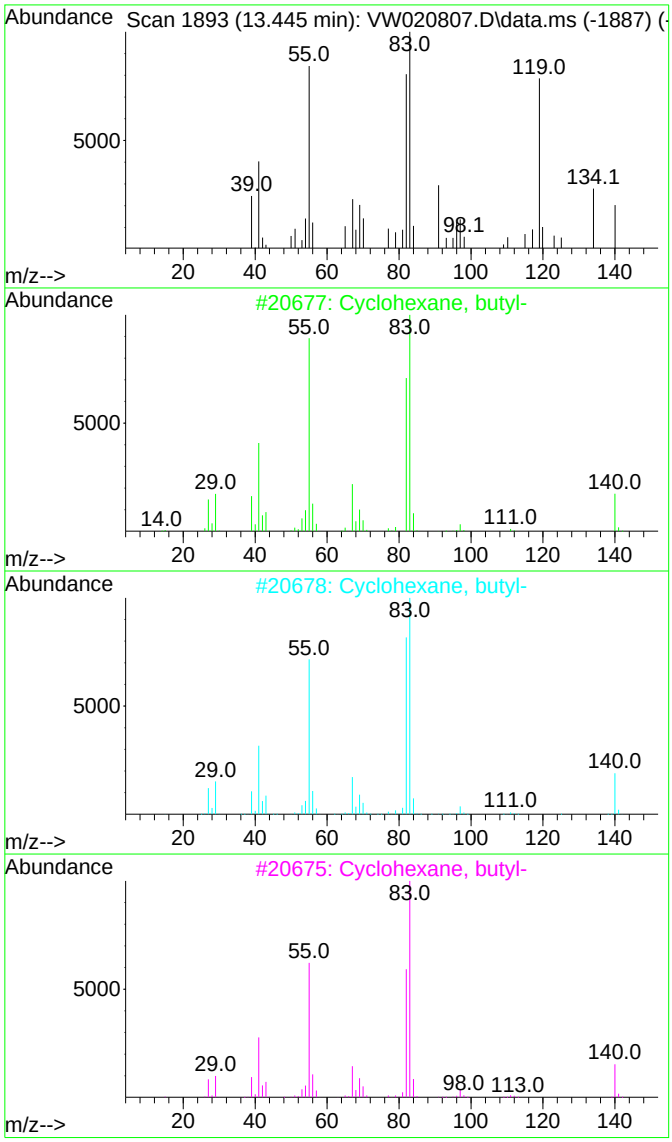
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

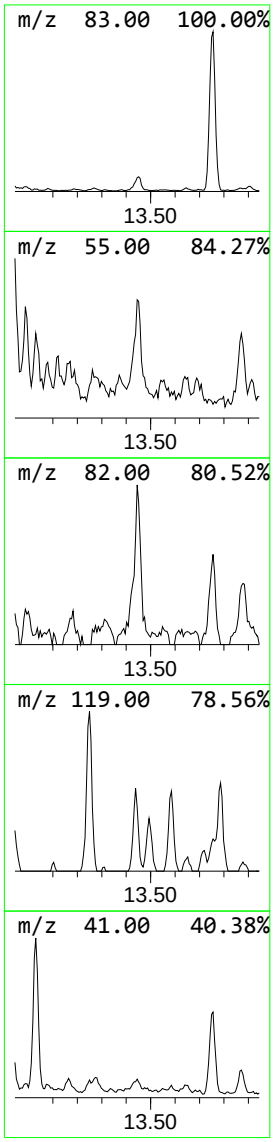
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic13.445 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	1.43 ug/L	20660	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	49
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	49
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	49
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	43
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0

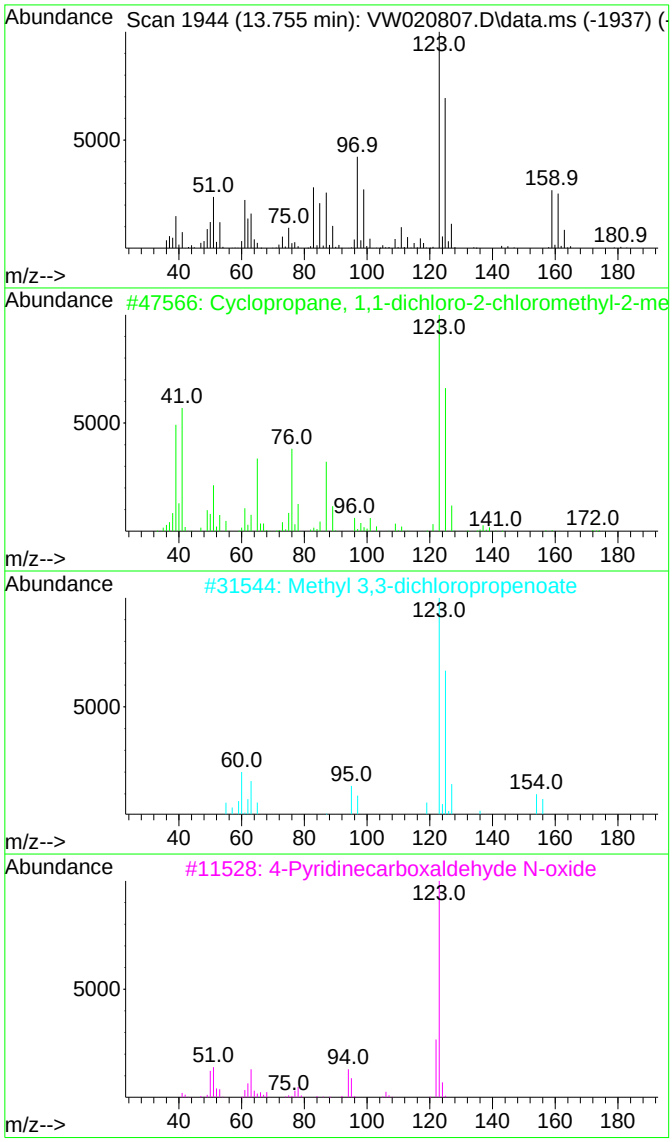
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

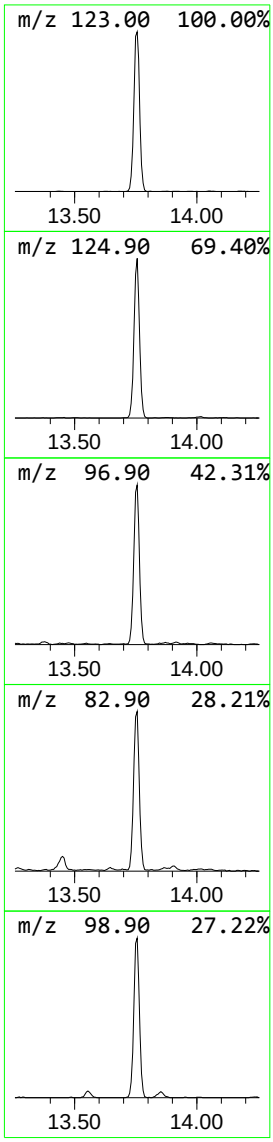
****

Peak Number 21 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.756	44.95 ug/L	650029	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dichloro-2-chl...	172	C5H7Cl3	015997-19-0	35
2	Methyl 3,3-dichloropropenoate	154	C4H4Cl2O2	002257-46-7	27
3	4-Pyridinecarboxaldehyde N-oxide	123	C6H5NO2	007216-42-4	22
4	2,2-Dichloroethyl ethyl carbonate	186	C5H8Cl2O3	1010373-78-3	16
5	1-Propene, 3,3,3-trichloro-2-met...	158	C4H5Cl3	004749-27-3	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020807.D
Acq On : 08 Nov 2021 13:42
Operator : SY/VA
Sample : M4464-06
Misc : 6.47g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.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
3-Butenoic acid	1.965	1.8	ug/L	25002	1	8.842	350824	25.0
unknown-01	2.489	2.2	ug/L	31484	1	8.842	350824	25.0
(DEL) Alkane: S...	3.014	1.5	ug/L	21040	1	8.842	350824	25.0
Vinyl bromide	3.166	1.5	ug/L	21157	1	8.842	350824	25.0
(DEL) Alkane: S...	3.385	1.5	ug/L	21345	1	8.842	350824	25.0
Ethane, 1,2-dic...	3.782	2.0	ug/L	27791	1	8.842	350824	25.0
2-Ethyl-oxetane	5.934	3.1	ug/L	42938	1	8.842	350824	25.0
(DEL) Alkane: C...	6.982	10.3	ug/L	143890	1	8.842	350824	25.0
(DEL) Alkane: S...	8.702	2.4	ug/L	32922	1	8.842	350824	25.0
1,4-Dioxane	9.445	4.3	ug/L	60782	1	8.842	350824	25.0
(DEL) Alkane: S...	12.250	1.3	ug/L	21603	2	11.634	418411	25.0
1-Propene, 1,1,...	12.359	6.4	ug/L	106953	2	11.634	418411	25.0
4-(2-Bromopheny...	12.603	9.5	ug/L	137081	3	13.554	361526	25.0
(DEL) Alkane: C...	12.780	2.8	ug/L	39850	3	13.554	361526	25.0
Benzene, 1-ethy...	12.865	3.2	ug/L	46211	3	13.554	361526	25.0
4-Heptanone, 2,...	13.030	7.8	ug/L	112629	3	13.554	361526	25.0
Benzene, 1,2,3-...	13.103	2.6	ug/L	37102	3	13.554	361526	25.0
(DEL) Alkane: C...	13.445	1.4	ug/L	20660	3	13.554	361526	25.0
unknown-02	13.756	45.0	ug/L	650029	3	13.554	361526	25.0