LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

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\SFAMWLM070921SMA.M
Title : SFAM01.0

Signal : TIC: VW019422.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.160	37	42	47	rBV4	1639	4487	0.54%	0.105%
2	2.355	66	74	84	rVB	57821	110492	13.40%	2.574%
3	2.507	94	99	110	rBV2	9132	25753	3.12%	0.600%
4	2.818	147	150	155	rBV	3216	5186	0.63%	0.121%
5	2.898	156	163	177	rVB	40583	101109	12.26%	2.355%
6	3.032	180	185	196	rVB3	8134	19975	2.42%	0.465%
7	3.385	240	243	244	rBV3	539	556	0.07%	0.013%
8	3.690	289	293	297	rVV3	566	918	0.11%	0.021%
9	3.745	297	302	303	rVB3	218	321	0.04%	0.007%
10	3.830	313	316	320	rBV2	215	299	0.04%	0.007%
11	3.897	322	327	329	rBV2	383	580	0.07%	0.014%
12	4.019	336	347	360	rBV	93812	279549	33.89%	6.512%
13	4.147	361	368	384	rVB	17963	61524	7.46%	1.433%
14	4.397	399	409	413	rBV2	1810	4953	0.60%	0.115%
15	4.446	415	417	418	rBV	663	434	0.05%	0.010%
16	4.922	481	495	516	rBV	39859	152616	18.50%	3.555%
17	5.208	540	542	546	rVB3	338	361	0.04%	0.008%
18	5.434	568	579	591	rVV3	3065	10638	1.29%	0.248%
19	5.793	630	638	648	rVV3	6700	21827	2.65%	0.508%
20	5.946	651	663	676	rVB2	13388	37596	4.56%	0.876%
21	6.647	775	778	781	rBV	250	307	0.04%	0.007%
22	6.909	812	821	828	rBV6	3559	11221	1.36%	0.261%
23	6.982	830	833	841	rVB5	1260	3064	0.37%	0.071%
24	7.092	841	851	855	rBV	23791	66124	8.02%	1.540%
25	7.458	909	911	913	rVB	308	300	0.04%	0.007%
26	7.549	921	926	927	rVV3	476	678	0.08%	0.016%
27	7.561	927	928	931	rVB2	492	526	0.06%	0.012%
28	7.653	931	943	957	rVB	133714	336668	40.82%	7.843%
29	7.958	987	993	1001	rBV7	1943	4691	0.57%	0.109%
30	8.281	1033	1046	1062	rBV2	272988	824750	100.00%	19.212%
31	8.403	1062	1066	1070	rVB4	783	1470	0.18%	0.034%
32	8.555	1084	1091	1100	rVB3	2783	6278	0.76%	0.146%
33	8.622	1100	1102	1107	rVB2	222	315	0.04%	0.007%
34	8.714	1111	1117	1126	rVB2	2269	5133	0.62%	0.120%
35	8.842	1130	1138	1147	rBV	85111	169454	20.55%	3.947%
36	9.073	1166	1176	1184	rBV6	1939	6235	0.76%	0.145%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

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\SFAMWLM070921SMA.M
Title : SFAM01.0

37	9.134	1184	1186	1189	rVB3	345	332	0.04%	0.008%
38	9.274	1200	1209	1220	rBV	183698	370108	44.88%	8.622%
39	9.415	1225	1232	1240	rBV2	3689	7694	0.93%	0.179%
40	9.671	1268	1274	1279	rBV3	1550	3198	0.39%	0.074%
41	9.890	1306	1310	1313	rBV4	677	874	0.11%	0.020%
42	9.951	1318	1320	1325	rVB2	298	318	0.04%	0.007%
43	10.036	1326	1334	1343	rBV	83848	151106	18.32%	3.520%
44	10.128	1346	1349	1355	rVB3	830	1473	0.18%	0.034%
45	10.189	1357	1359	1361	rBV2	368	374	0.05%	0.009%
46	10.250	1368	1369	1372	rBV	296	312	0.04%	0.007%
47	10.323	1374	1381	1389	rBV	306152	550390	66.73%	12.821%
48	10.384	1389	1391	1398	rVV2	2726	4715	0.57%	0.110%
49	10.512	1408	1412	1417	rVB4	1027	1420	0.17%	0.033%
50	10.579	1417	1423	1430	rBV	52399	90534	10.98%	2.109%
51	10.707	1438	1444	1449	rBV2	6547	11666	1.41%	0.272%
52	10.774	1451	1455	1456	rBV3	607	746	0.09%	0.017%
53	10.860	1466	1469	1474	rVB4	2601	4307	0.52%	0.100%
54	10.927	1474	1480	1493	rBV	87567	151163	18.33%	3.521%
55	11.067	1498	1503	1517	rVB3	12259	24273	2.94%	0.565%
56	11.366	1549	1552	1558	rBV5	475	889	0.11%	0.021%
57	11.439	1560	1564	1568	rVB4	256	423	0.05%	0.010%
58	11.634	1589	1596	1604	rBV	70632	117089	14.20%	2.728%
59	11.725	1609	1611	1614	rVV	439	439	0.05%	0.010%
60	11.835	1625	1629	1634	rBV4	850	1472	0.18%	0.034%
61	11.884	1634	1637	1640	rVB4	424	509	0.06%	0.012%
62	11.951	1645	1648	1650	rVB2	535	399	0.05%	0.009%
63	12.176	1679	1685	1690	rVB4	675	1396	0.17%	0.033%
64	12.243	1694	1696	1698	rBV2	389	400	0.05%	0.009%
65	12.341	1707	1712	1718	rBV4	5210	8347	1.01%	0.194%
66	12.463	1729	1732	1736	rBV2	756	890	0.11%	0.021%
67	12.603	1747	1755	1761	rBV4	3963	8306	1.01%	0.193%
68	12.695	1763	1770	1776	rBV	115956	192919	23.39%	4.494%
69	12.756	1776	1780	1787	rVB6	1509	2884	0.35%	0.067%
70	12.932	1800	1809	1820	rBV5	4567	10549	1.28%	0.246%
71	13.164	1842	1847	1848	rBV3	1319	2142	0.26%	0.050%
72	13.194	1848	1852	1858	rVB	6110	10174	1.23%	0.237%
73	13.402	1876	1886	1893	rBV3	12919	25545	3.10%	0.595%
74	13.469	1893	1897	1901	rBV4	2170	3525	0.43%	0.082%
75	13.511	1901	1904	1906	rBV4	1428	1852	0.22%	0.043%
76	13.560	1907	1912	1915	rVV	17694	26884	3.26%	0.626%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

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\SFAMWLM070921SMA.M
Title : SFAM01.0

77	13.609	1915	1920	1925	rVB2	10231	19646	2.38%	0.458%
78	13.768	1939	1946	1953	rBV4	4880	9536	1.16%	0.222%
79	13.853	1953	1960	1966	rBV	88361	146134	17.72%	3.404%
80	14.024	1985	1988	1989	rBV3	668	759	0.09%	0.018%
81	14.066	1991	1995	2007	rVB2	4240	7918	0.96%	0.184%
82	14.322	2029	2037	2046	rVB5	6358	11688	1.42%	0.272%
83	14.487	2061	2064	2066	rBV3	609	827	0.10%	0.019%
84	14.627	2083	2087	2091	rBV2	1612	2266	0.27%	0.053%
85	14.719	2097	2102	2108	rVB3	3140	4889	0.59%	0.114%
86	14.834	2118	2121	2124	rVV4	469	553	0.07%	0.013%
87	14.865	2124	2126	2128	rVV2	355	335	0.04%	0.008%
88	15.133	2166	2170	2173	rBV3	877	1054	0.13%	0.025%
89	15.249	2186	2189	2194	rVB4	503	942	0.11%	0.022%
90	15.365	2202	2208	2210	rBV3	1191	2308	0.28%	0.054%
91	15.395	2210	2213	2215	rVV4	1418	2024	0.25%	0.047%
92	15.432	2215	2219	2224	rVB3	4028	5283	0.64%	0.123%
93	15.487	2224	2228	2229	rBV4	885	1151	0.14%	0.027%
94	15.548	2235	2238	2243	rVB4	1201	2019	0.24%	0.047%
95	15.657	2252	2256	2257	rBV2	763	977	0.12%	0.023%
96	15.761	2270	2273	2275	rBV4	639	885	0.11%	0.021%
97	15.840	2284	2286	2290	rBV4	1027	1109	0.13%	0.026%
98	15.938	2301	2302	2306	rBV4	529	755	0.09%	0.018%
99	15.999	2310	2312	2316	rBV4	573	837	0.10%	0.019%
100	16.212	2344	2347	2349	rBV2	415	472	0.06%	0.011%

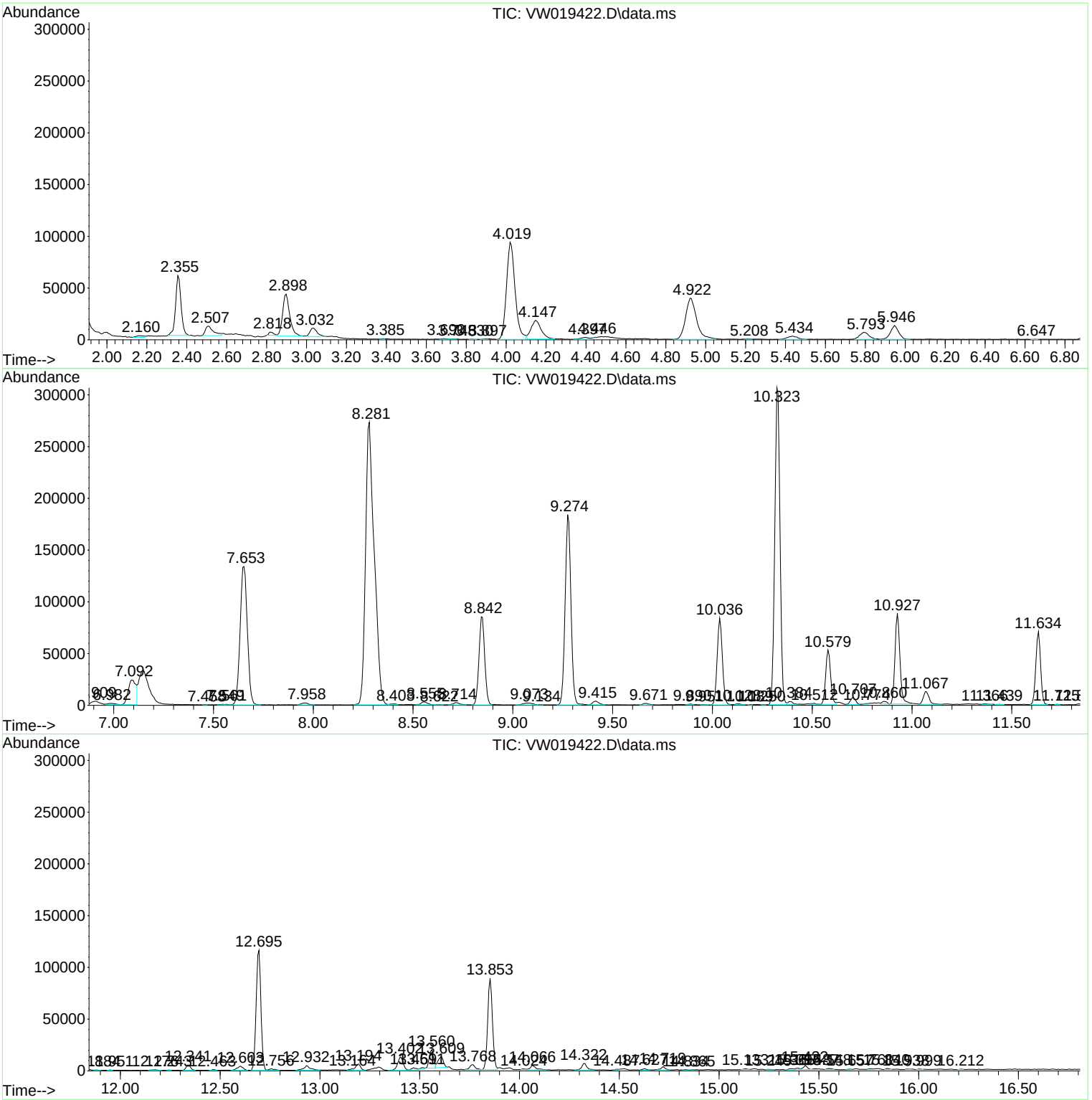
Sum of corrected areas: 4292791

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

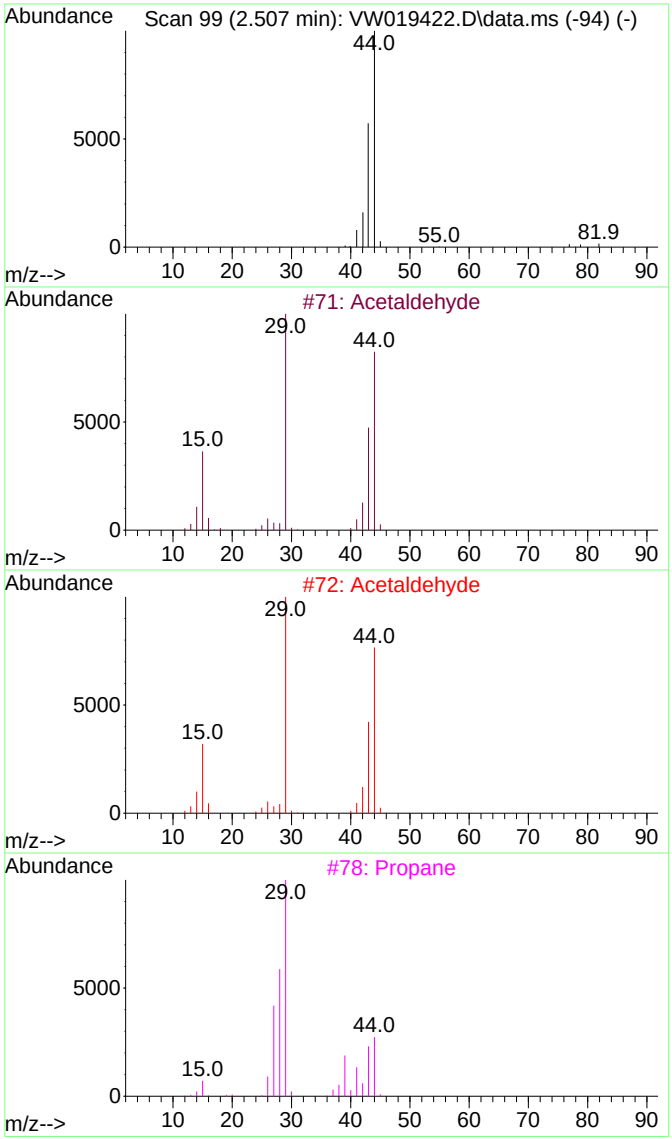
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

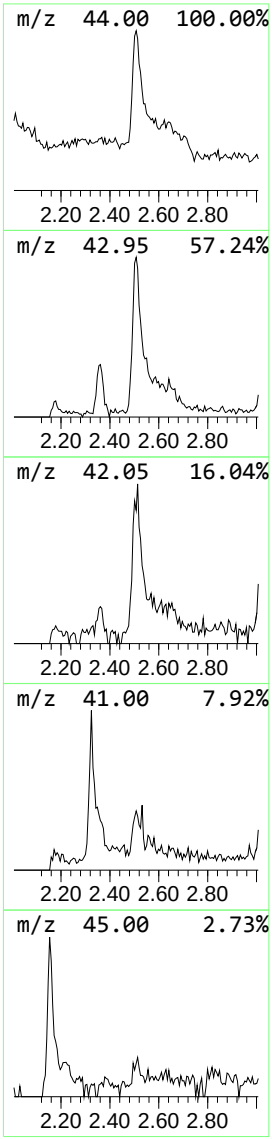
****

Peak Number 1 Acetaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.507	3.80 ug/L	25753	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	64
2	Acetaldehyde	44	C2H4O	000075-07-0	64
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\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG7G2RE

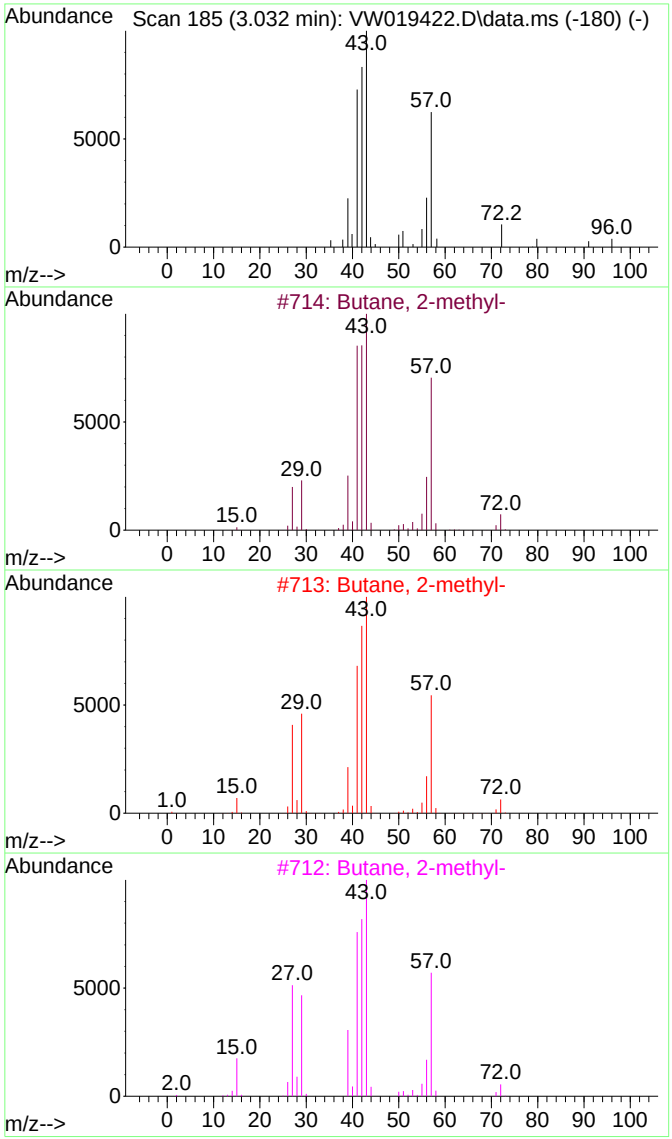
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

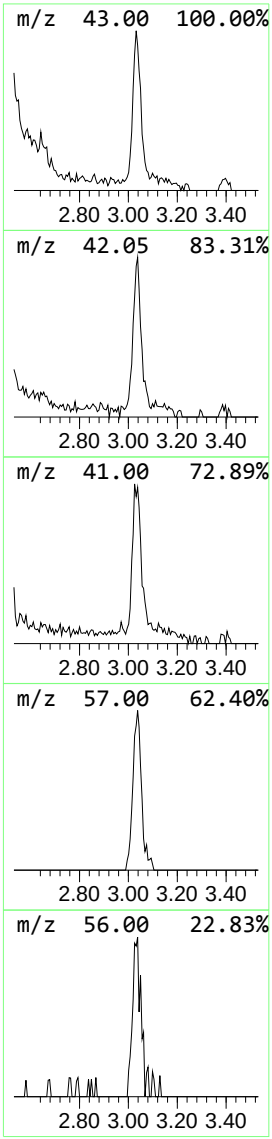
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.032	2.95 ug/L	19975	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	87
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	36
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

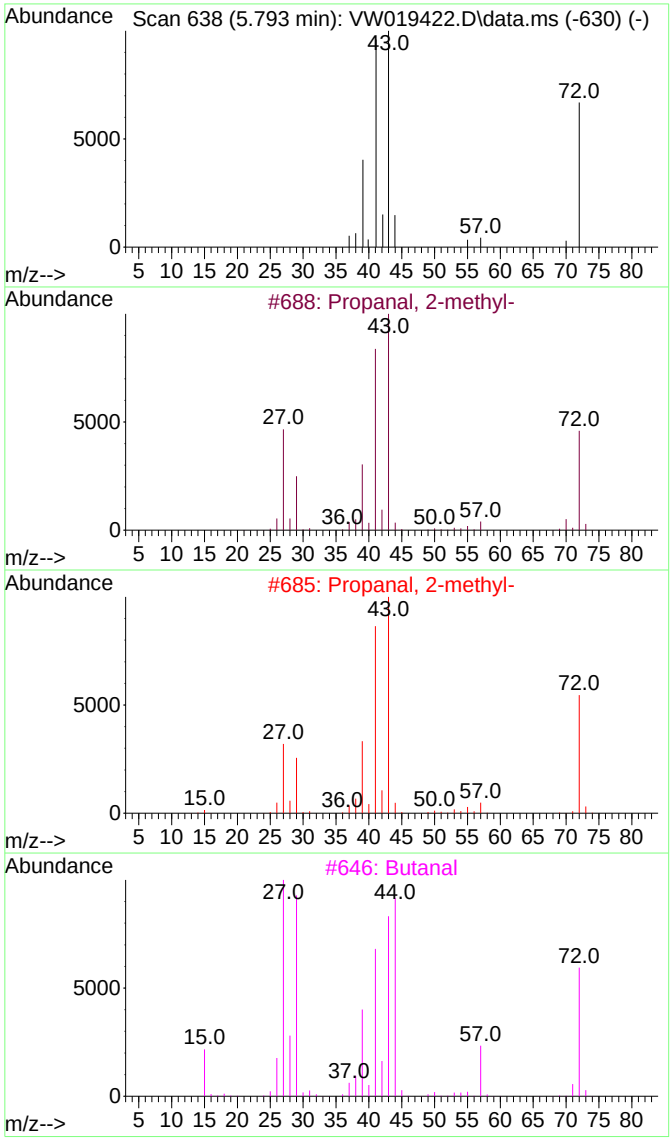
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

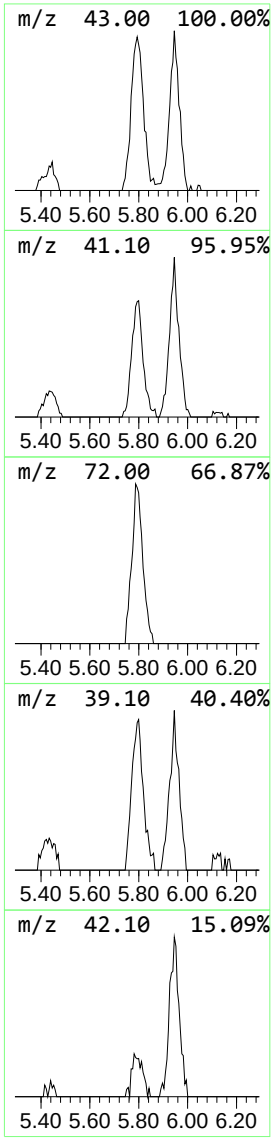
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanal, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.793	3.22 ug/L	21827	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
3	Butanal	72	C4H8O	000123-72-8	64
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	53
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

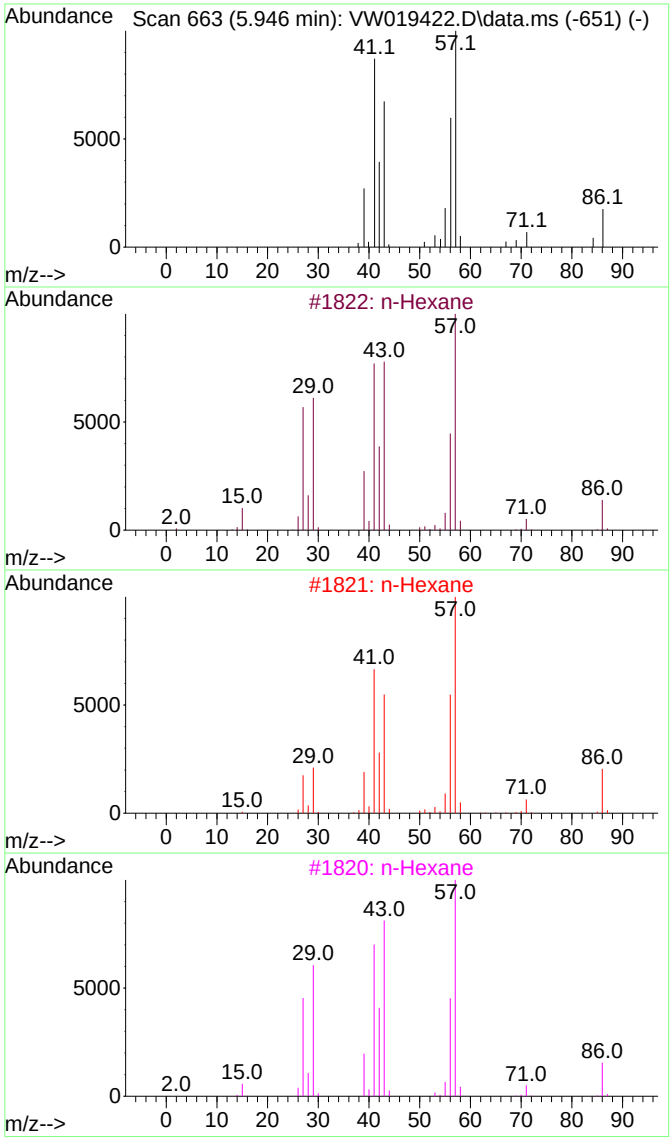
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

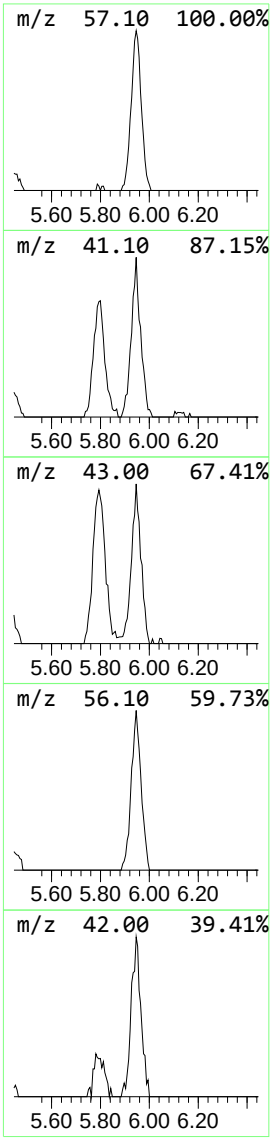
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.946	5.55 ug/L	37596	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	86
2	n-Hexane	86	C6H14	000110-54-3	78
3	n-Hexane	86	C6H14	000110-54-3	72
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	45
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

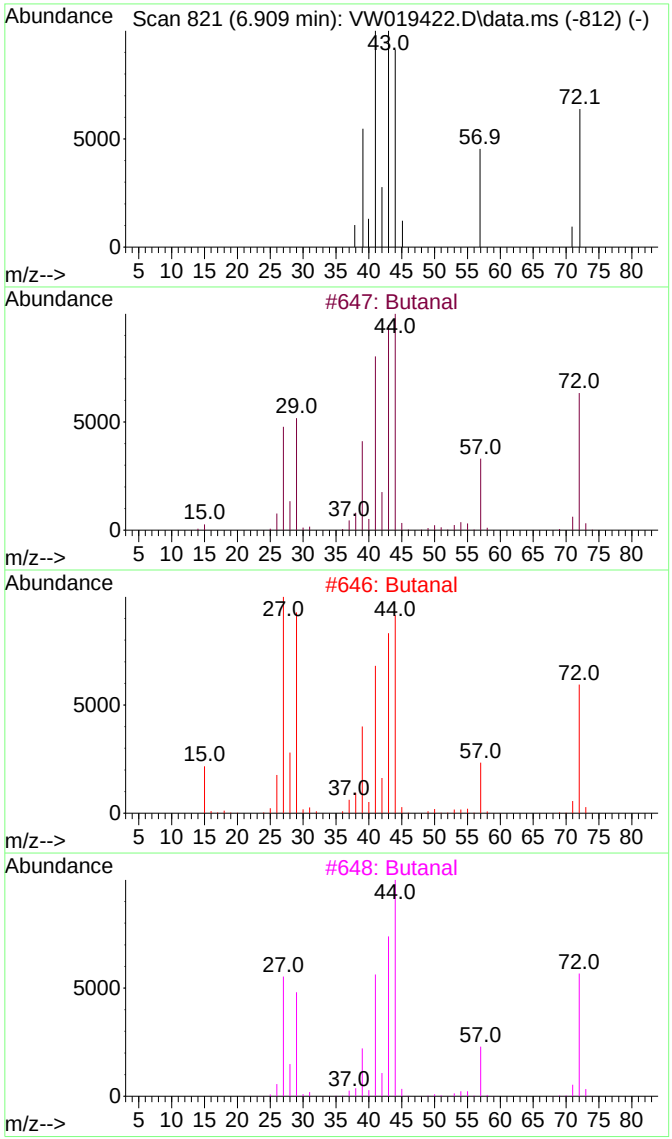
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

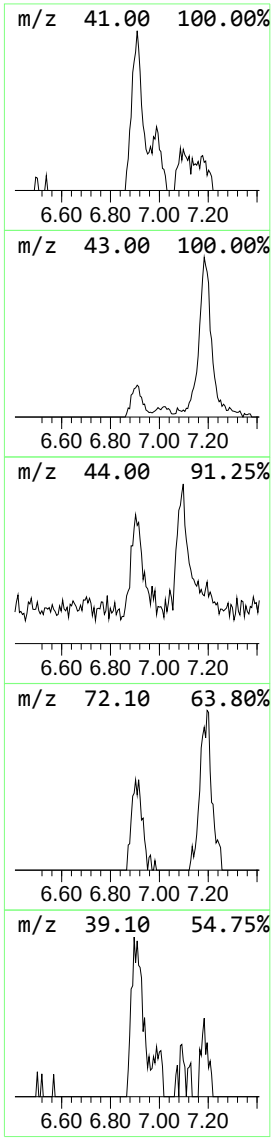
****

Peak Number 5 Butanal Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.909	1.66 ug/L	11221	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	80
2	Butanal	72	C4H8O	000123-72-8	80
3	Butanal	72	C4H8O	000123-72-8	42
4	Ethene, ethoxy-	72	C4H8O	000109-92-2	40
5	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

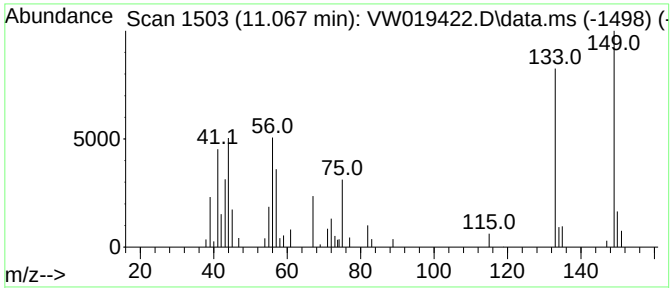
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

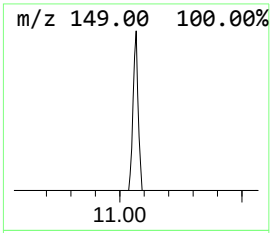
****

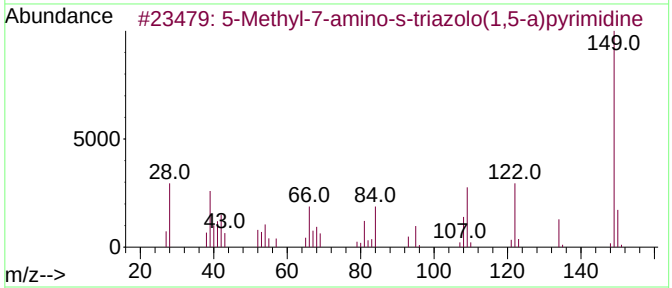
Peak Number 8 unknown-01 Concentration Rank 10

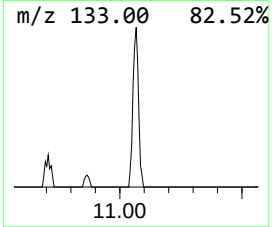
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.067	5.18 ug/L	24273	Chlorobenzene-d5	11.634

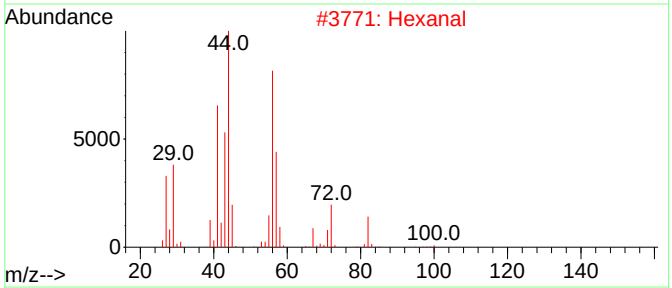
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-7-amino-s-triazolo(1,5-...	149	C6H7N5	033376-96-4	18
2	Hexanal	100	C6H12O	000066-25-1	14
3	1,2,4-Triazole, 3,5-dithioxo-	133	C2H3N3S2	005650-03-3	14
4	Hexanal	100	C6H12O	000066-25-1	14
5	N-Chlorosuccinimide	133	C4H4ClNO2	000128-09-6	12

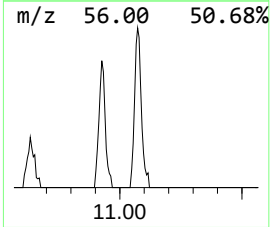


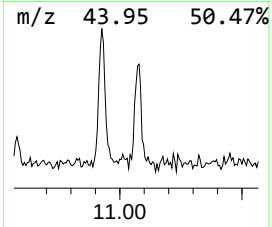


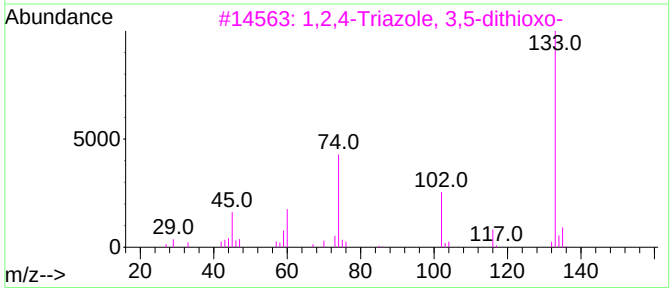


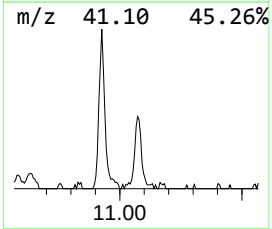












Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

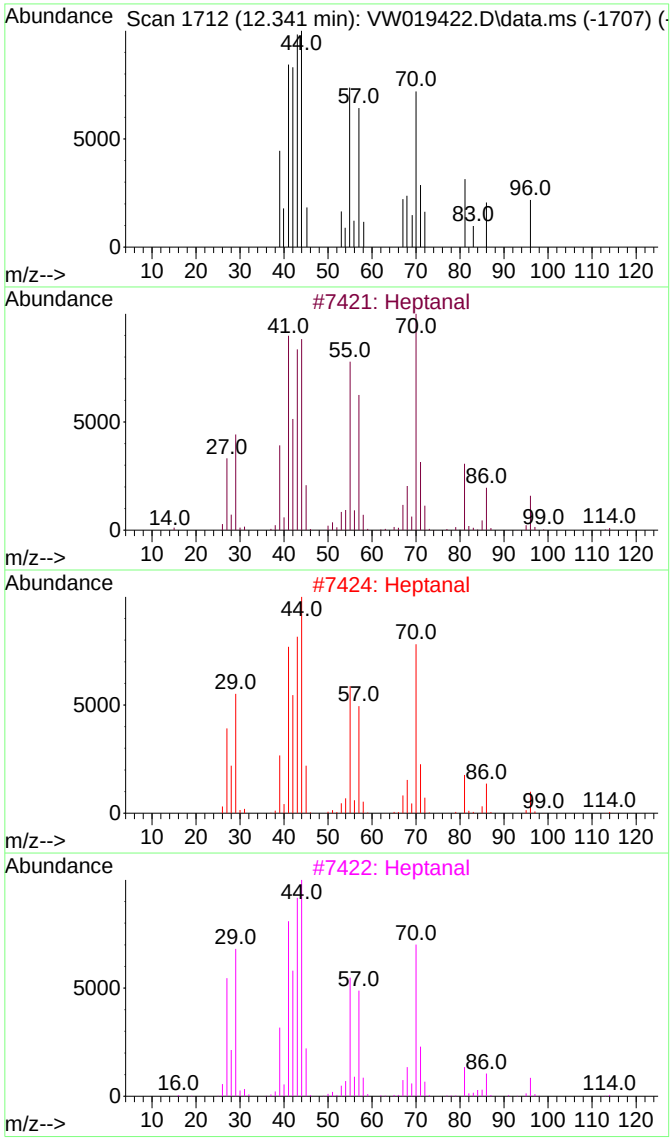
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

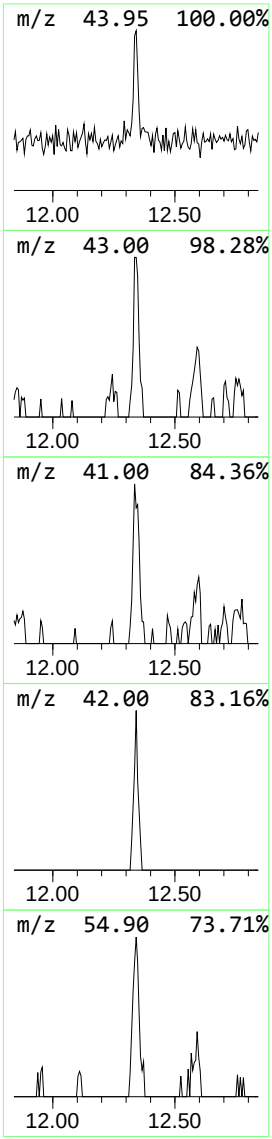
****

Peak Number 9 Heptanal Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	1.78 ug/L	8347	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	53
2	Heptanal	114	C7H14O	000111-71-7	50
3	Heptanal	114	C7H14O	000111-71-7	50
4	Heptanal	114	C7H14O	000111-71-7	40
5	Heptanal	114	C7H14O	000111-71-7	37





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Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

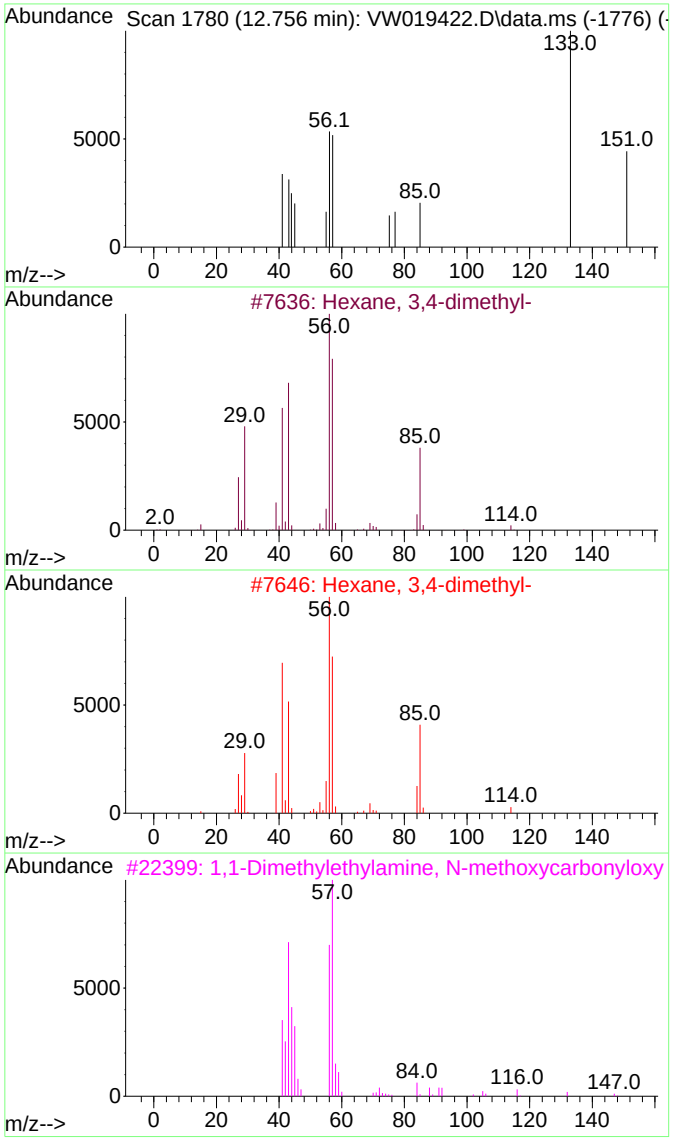
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

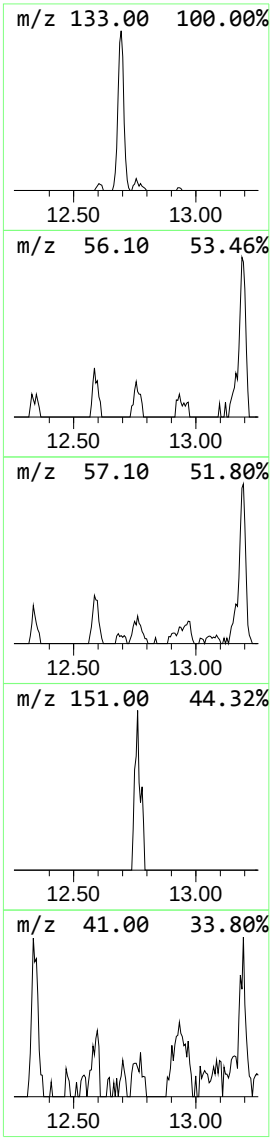
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.756	2.68 ug/L	2884	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	9
2	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	9
3	1,1-Dimethylethylamine, N-methox...	147	C6H13NO3	1000284-26-1	9
4	Butane, 1-(ethenyloxy)-	100	C6H12O	000111-34-2	9
5	Diborane(6), .mu.-mercapto-	60	B2H6S	022548-43-2	9





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Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

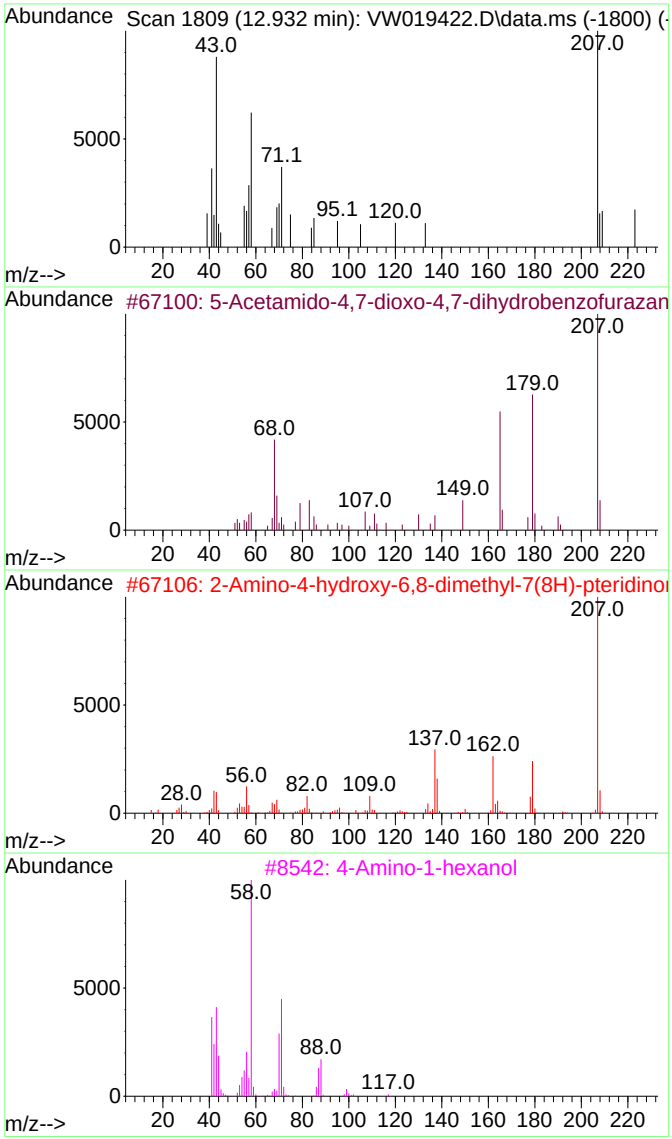
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

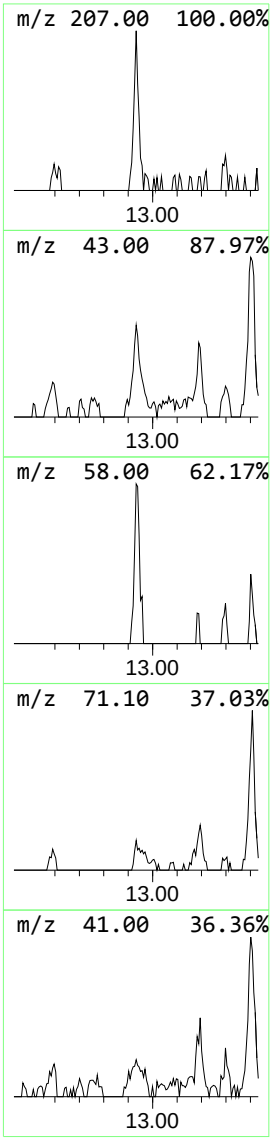
****

Peak Number 12 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.932	9.81 ug/L	10549	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Acetamido-4,7-dioxo-4,7-dihydr...	207	C8H5N3O4	153136-27-7	25
2	2-Amino-4-hydroxy-6,8-dimethyl-7...	207	C8H9N5O2	025477-64-9	16
3	4-Amino-1-hexanol	117	C6H15NO	344240-78-4	10
4	1H-1,3-Benzimidazole-1-acetonitr...	207	C10H7F2N3	1000351-67-7	9
5	4-Quinolinecarboxylic acid, 2-ch...	207	C10H6ClNO2	005467-57-2	9





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Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

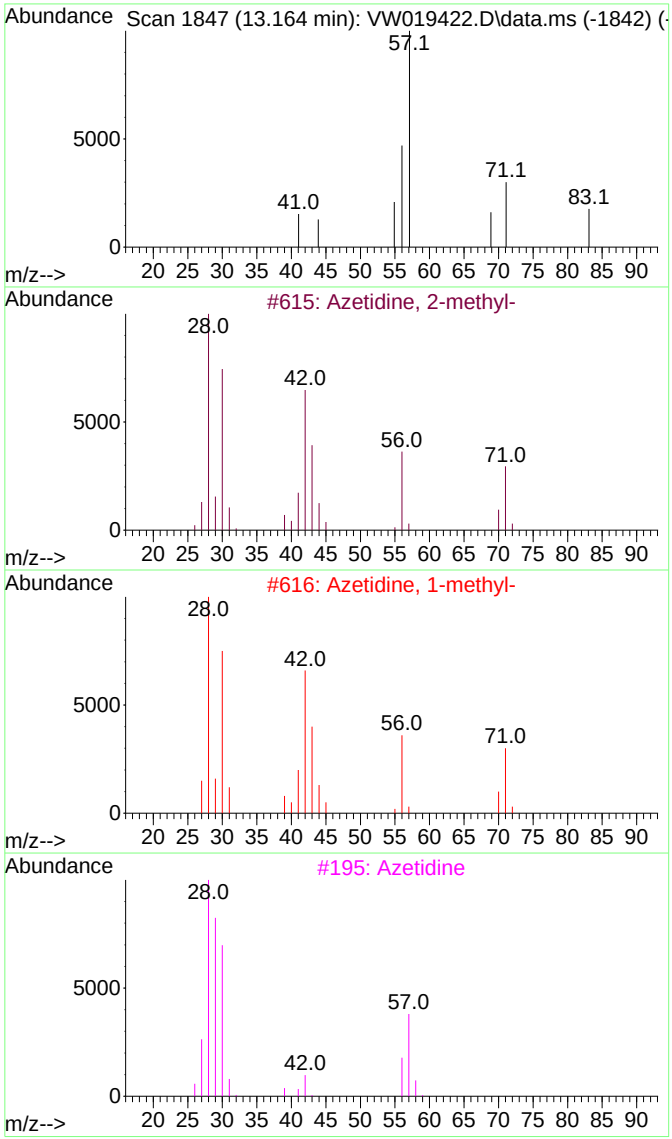
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

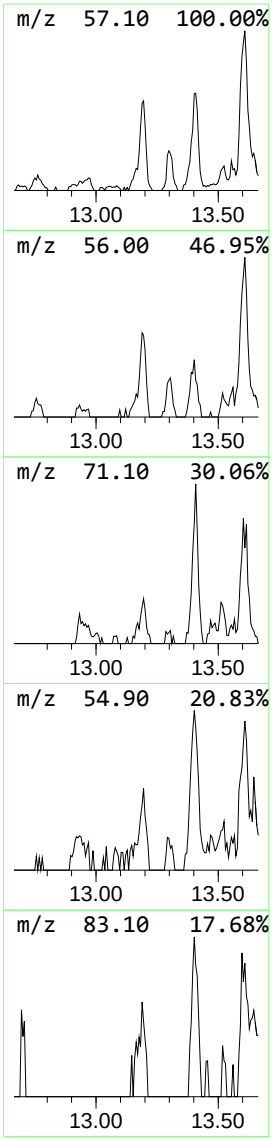
****

Peak Number 13 unknown-03 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	1.99 ug/L	2142	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azetidine, 2-methyl-	71	C4H9N	019812-49-8	9
2	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	5
3	Azetidine	57	C3H7N	000503-29-7	4
4	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	4
5	Cyanic acid, ethyl ester	71	C3H5NO	000627-48-5	4





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Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

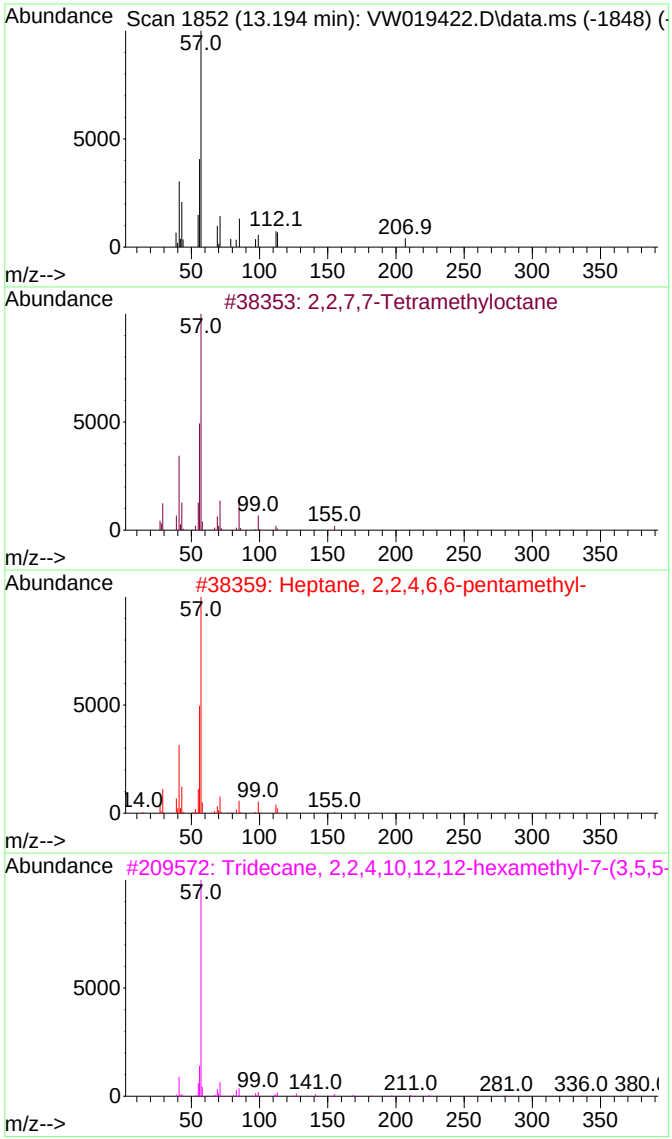
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

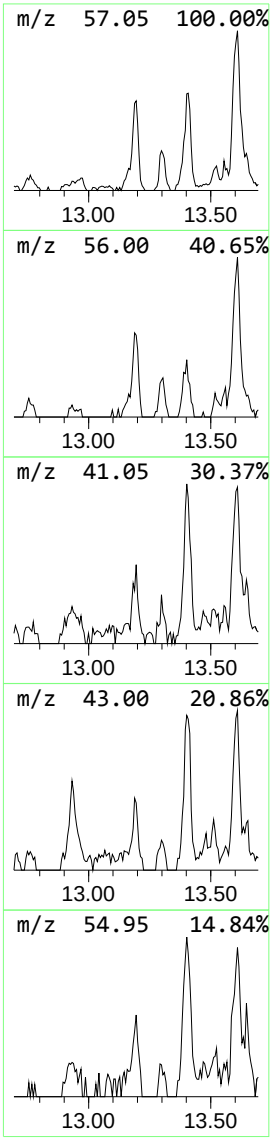
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.195	9.46 ug/L	10174	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	72
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
3	Tridecane, 2,2,4,10,12,12-hexame...	394	C28H58	003035-75-4	42
4	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	42
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42





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Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

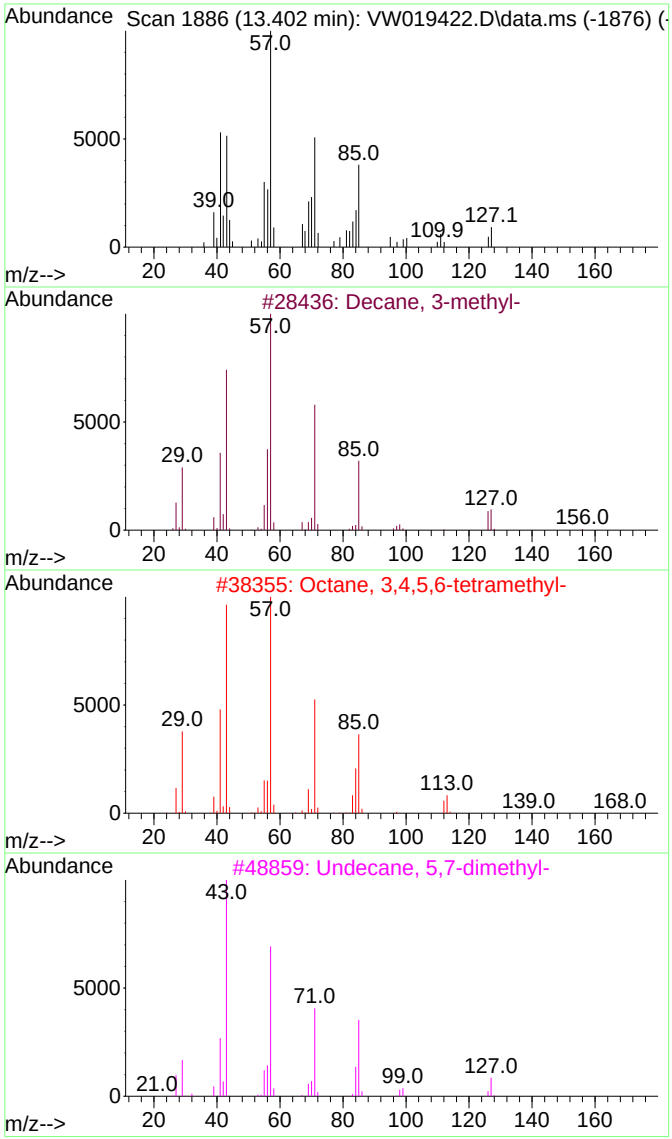
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

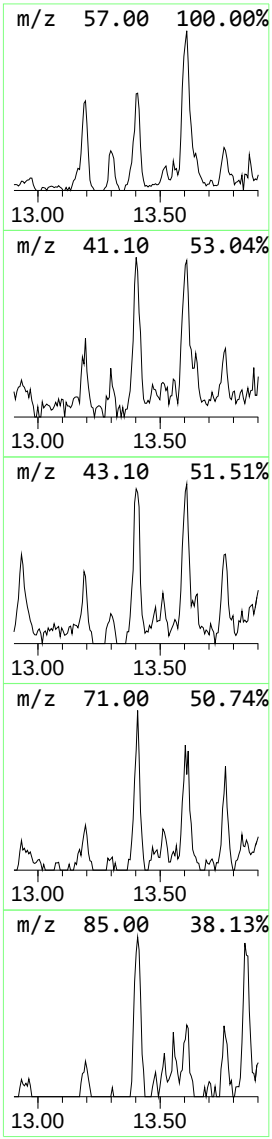
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.402	23.75 ug/L	25545	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	53
2	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	50
3	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	50
4	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	47
5	Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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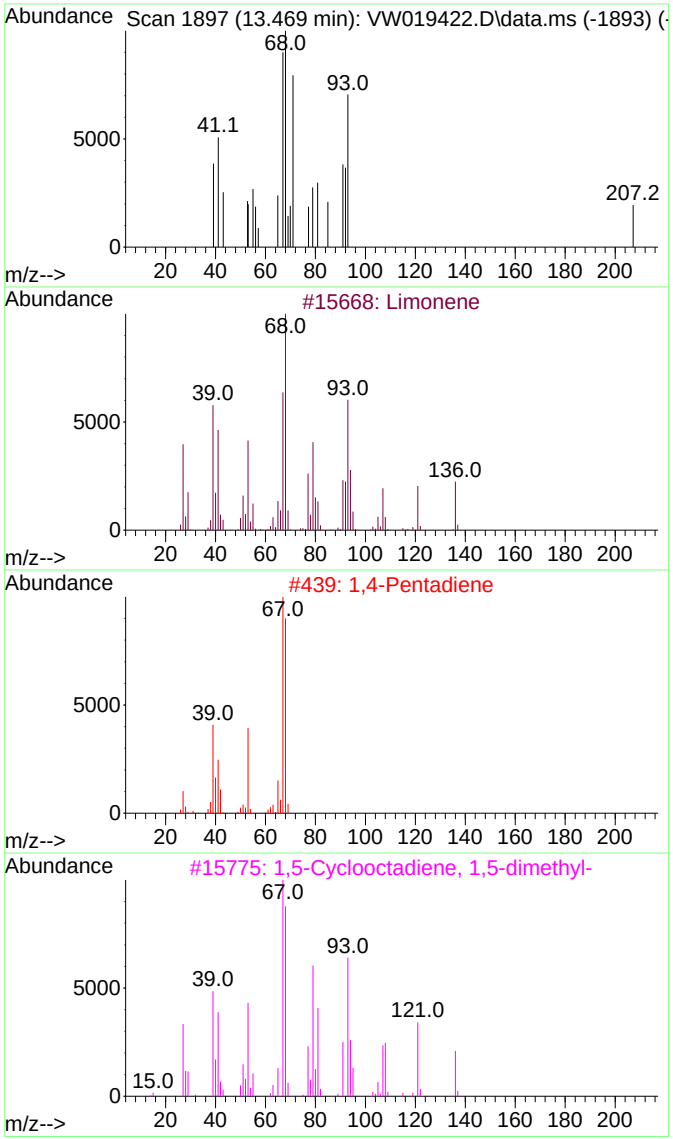
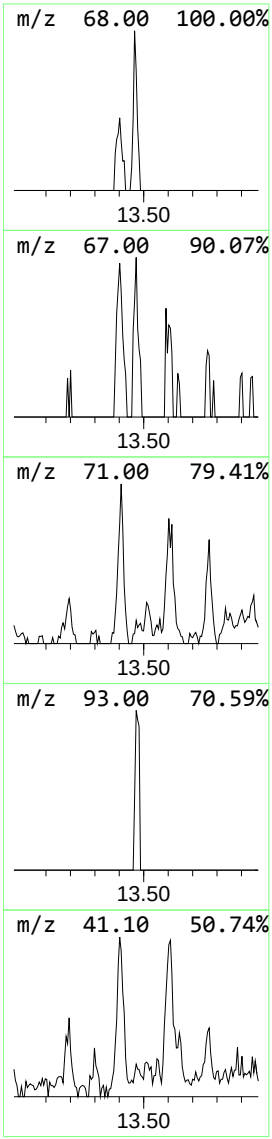
Peak Number 16 Limonene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	3.28 ug/L	3525	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Limonene	136	C10H16	000138-86-3	50
2	1,4-Pentadiene	68	C5H8	000591-93-5	49
3	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	40
4	Cyclobutane, 1-cyclopropyl-2-eth...	122	C9H14	061141-61-5	38
5	Cyclopropaneethanol, 2-methylene-	98	C6H10O	120477-28-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

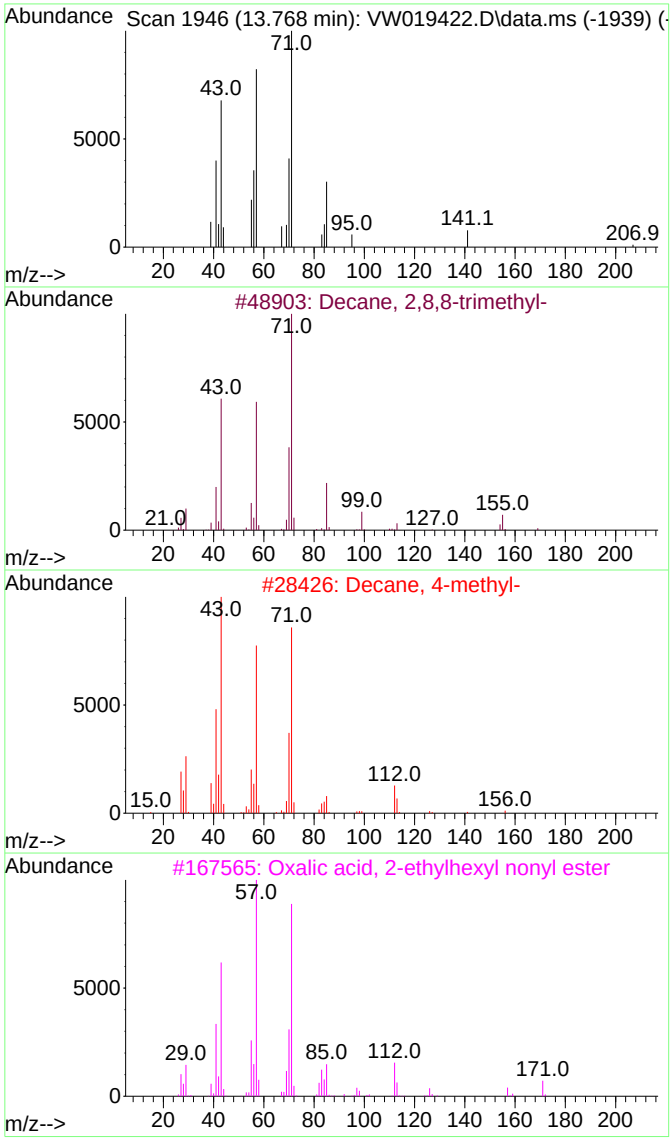
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

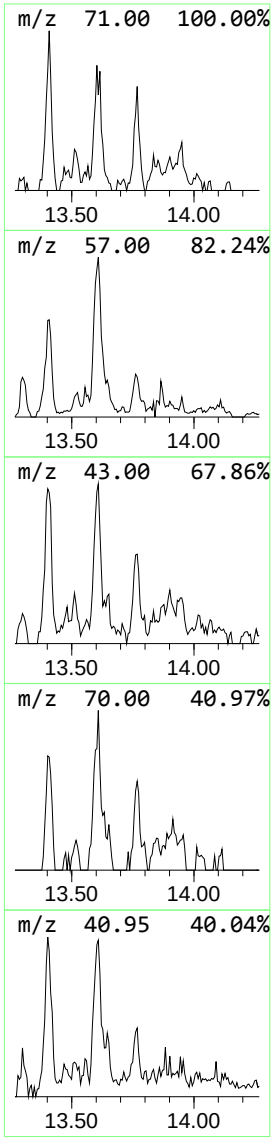
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.768	8.87 ug/L	9536	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,8,8-trimethyl-	184	C13H28	1000060-81-2	64
2	Decane, 4-methyl-	156	C11H24	002847-72-5	64
3	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	64
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
5	Decane, 2,3,4-trimethyl-	184	C13H28	062238-15-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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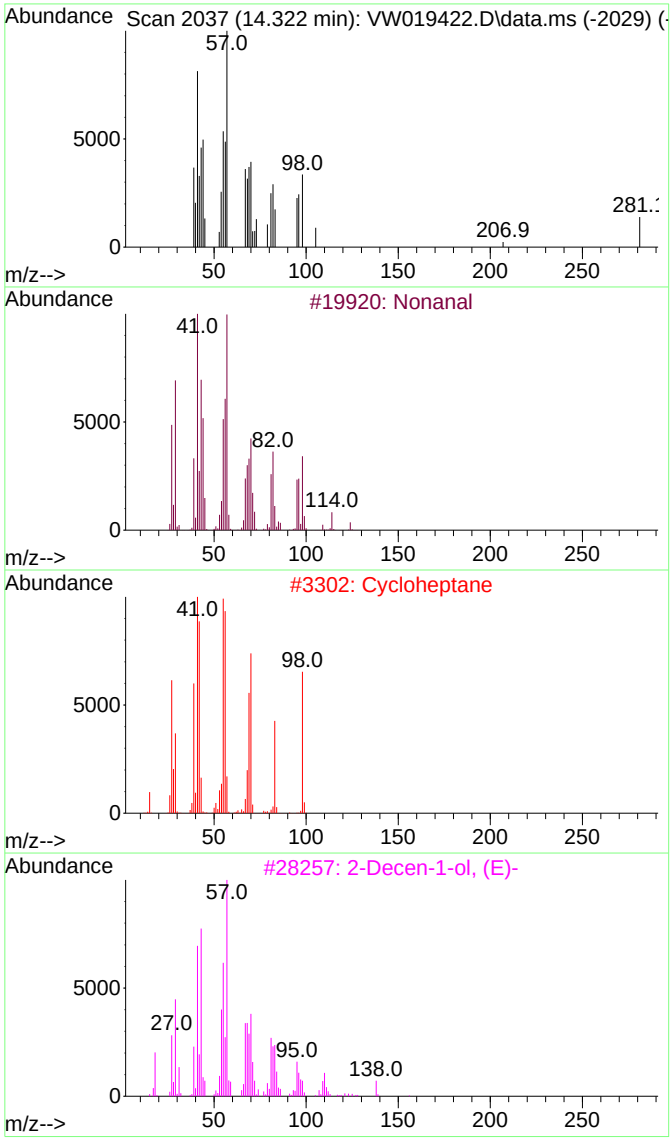
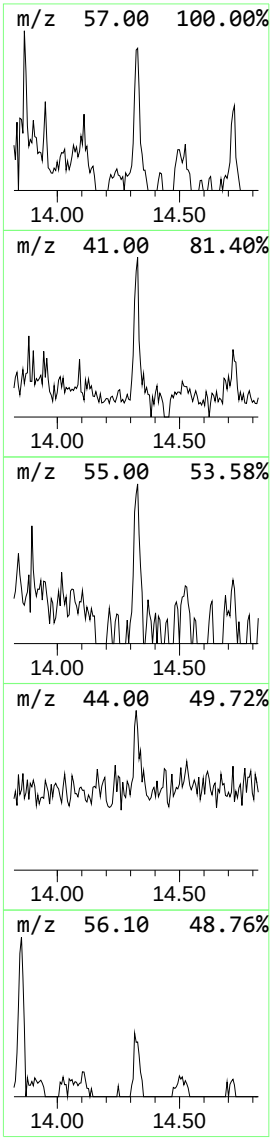
Peak Number 19 Nonanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	10.87 ug/L	11688	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	86
2	Cycloheptane	98	C7H14	000291-64-5	30
3	2-Decen-1-ol, (E)-	156	C10H20O	018409-18-2	27
4	Cyclodecanol	156	C10H20O	001502-05-2	22
5	cis-11-Tetradecen-1-ol	212	C14H28O	034010-15-6	22





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Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

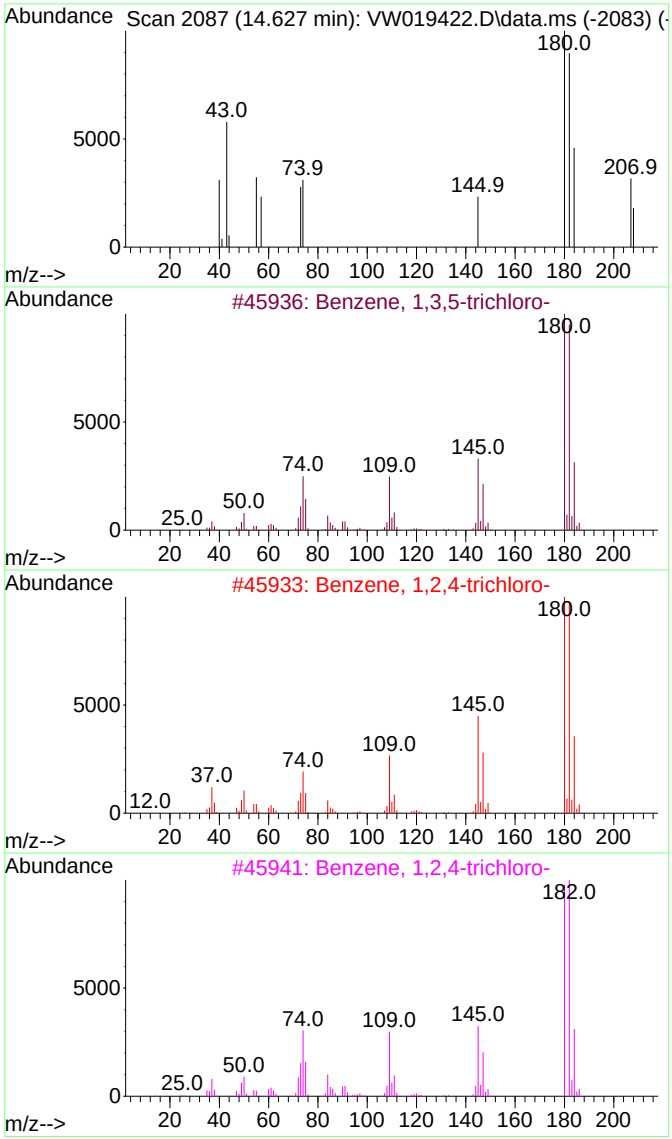
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

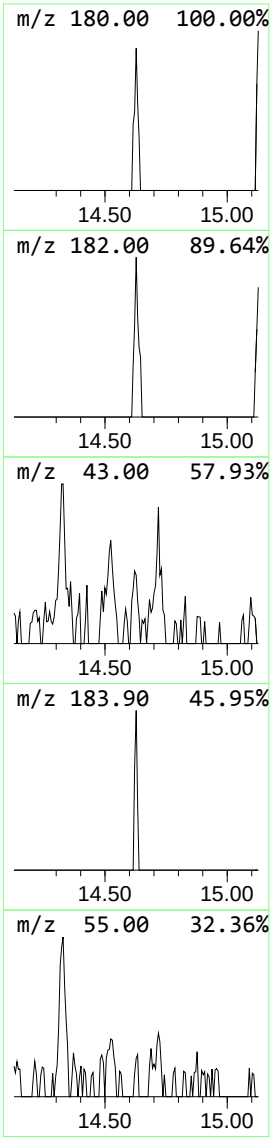
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1,3,5-trichloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.627	2.11 ug/L	2266	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	72
2	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	59
3	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	59
4	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	42
5	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

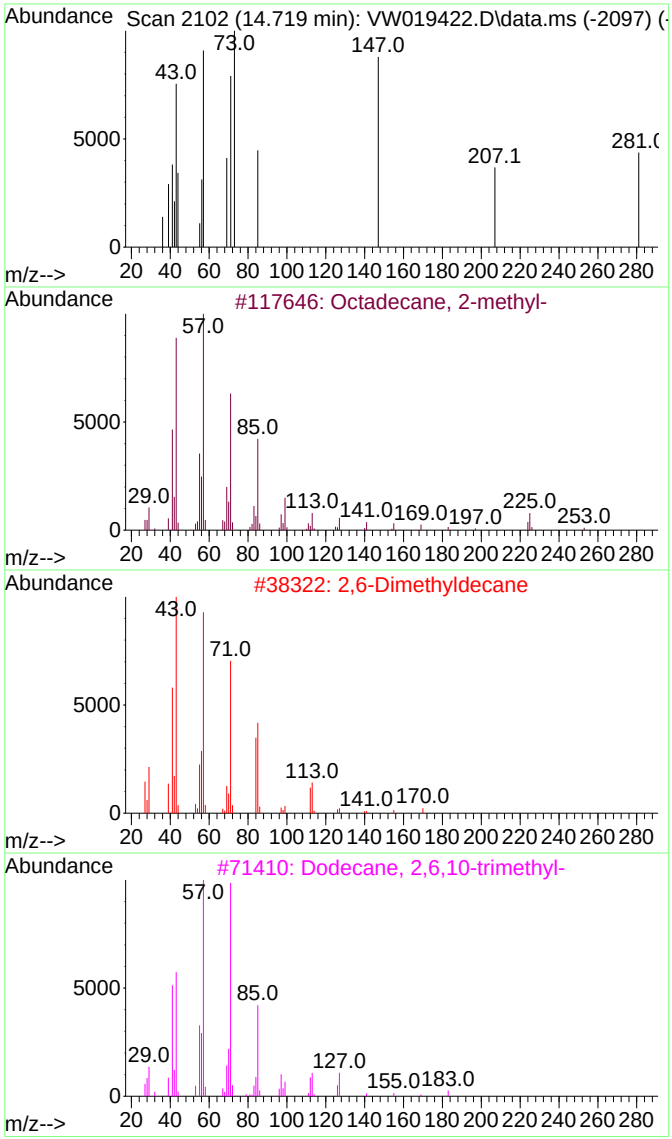
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

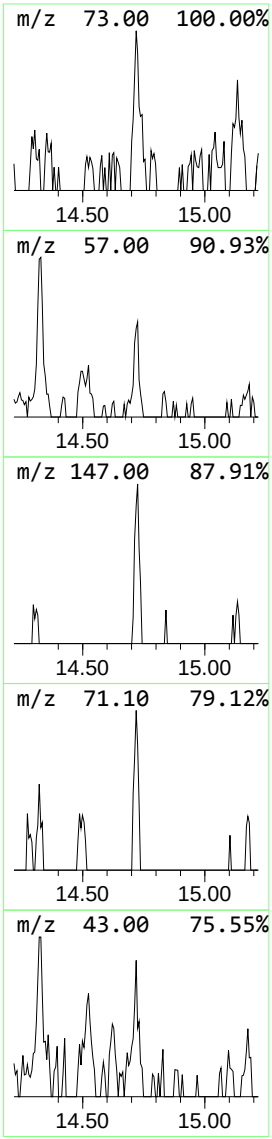
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	4.55 ug/L	4889	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	25
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	25
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	17
4	Decane, 3-methyl-	156	C11H24	013151-34-3	17
5	Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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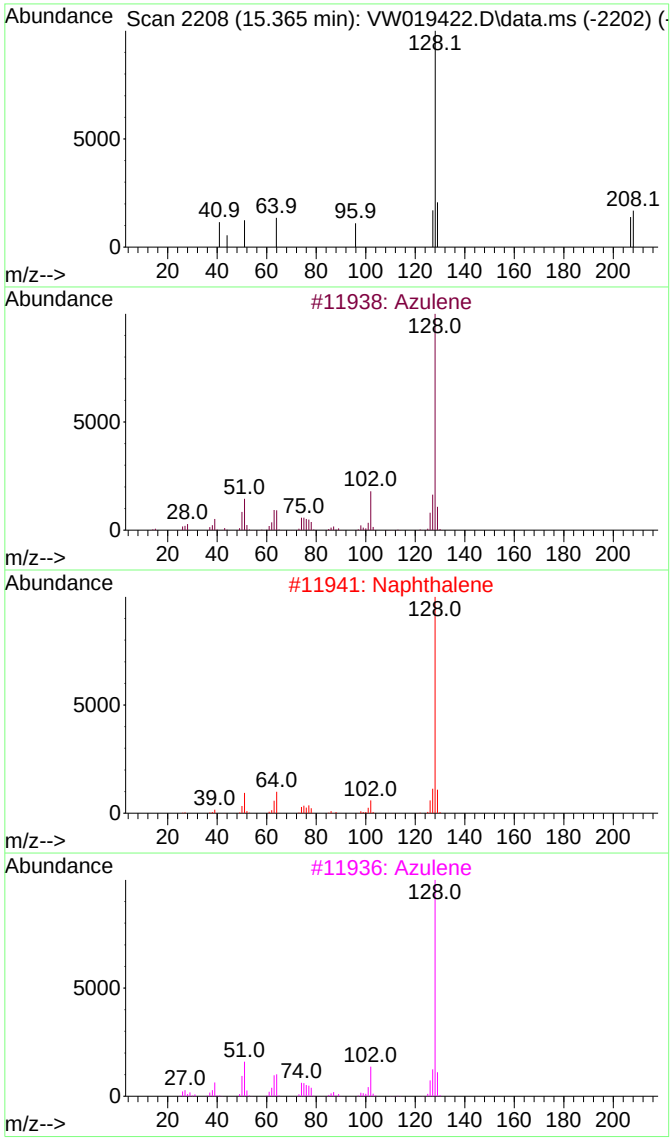
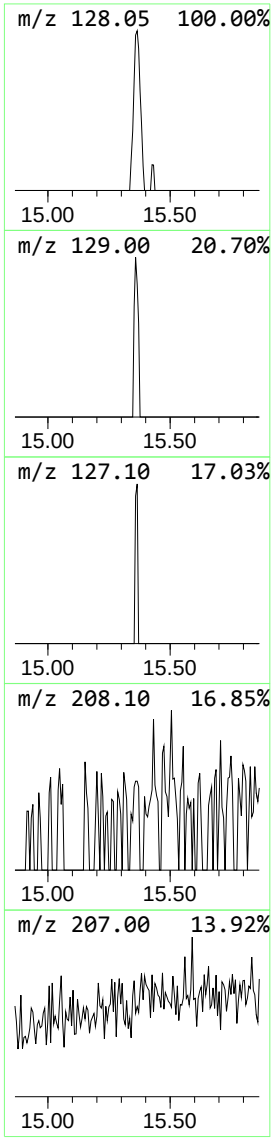
Peak Number 22 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	2.15 ug/L	2308	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	42
2	Naphthalene	128	C10H8	000091-20-3	9
3	Azulene	128	C10H8	000275-51-4	9
4	m-Fluorothiophenol	128	C6H5FS	002557-77-9	9
5	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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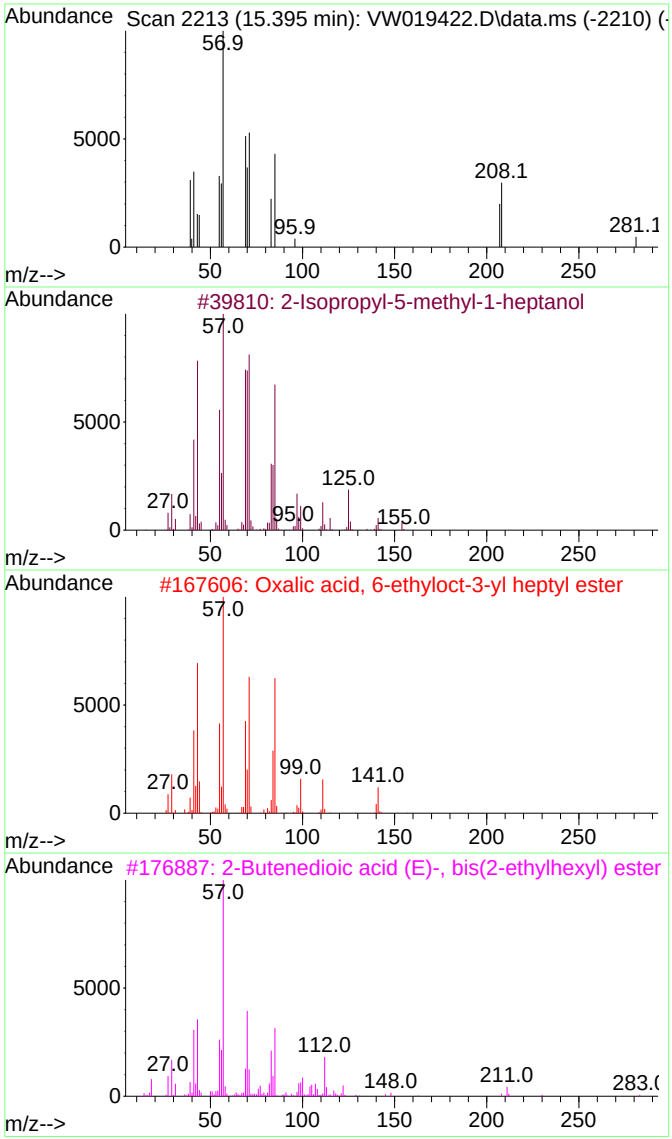
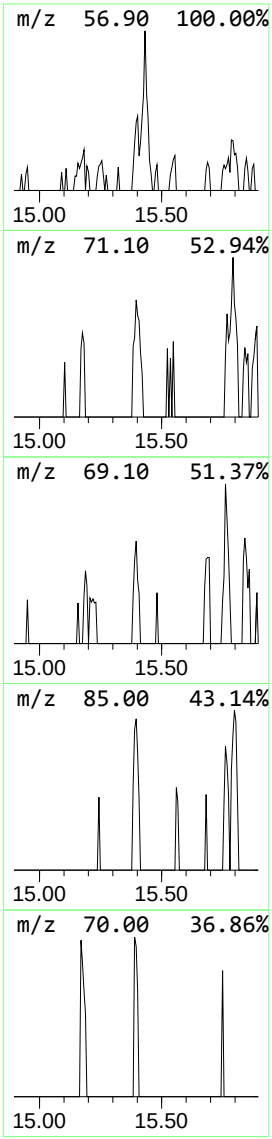
Peak Number 23 unknown-05 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.395	1.88 ug/L	2024	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropyl-5-methyl-1-heptanol	172	C11H24O	091337-07-4	40
2	Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	38
3	2-Butenedioic acid (E)-, bis(2-e...	340	C20H36O4	000141-02-6	38
4	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	37
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

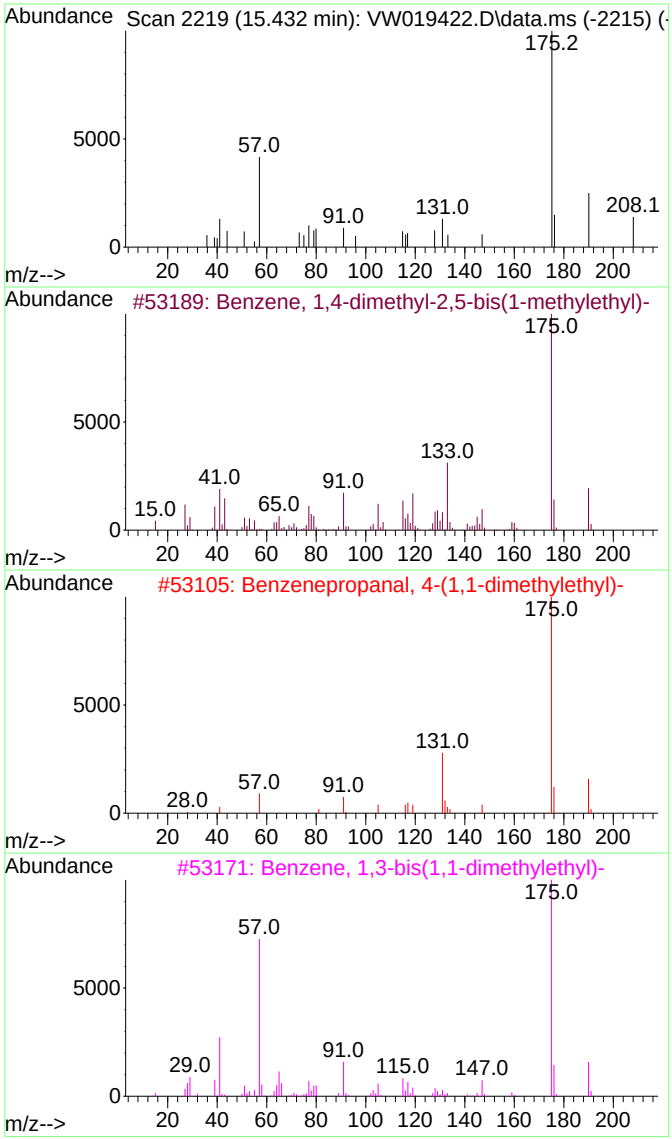
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

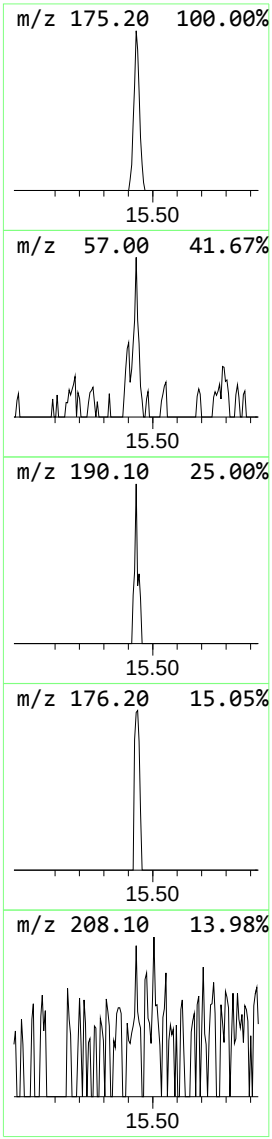
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1,4-dimethyl-2,5-b... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.432	4.91 ug/L	5283	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2,5-bis(1-...	190	C14H22	010375-96-9	80
2	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	72
3	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	64
4	Benzene, 1,4-dimethyl-2,5-bis(1-...	190	C14H22	010375-96-9	64
5	Precocene I	190	C12H14O2	017598-02-6	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071221\
Data File : VW019422.D
Acq On : 12 Jul 2021 10:47
Operator : SY/VA
Sample : M2959-06RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG7G2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetaldehyde	2.507	3.8	ug/L	25753	1	8.848	169454	25.0
(DEL) Alkane: S...	3.032	3.0	ug/L	19975	1	8.848	169454	25.0
Propanal, 2-met...	5.793	3.2	ug/L	21827	1	8.848	169454	25.0
(DEL) Alkane: S...	5.946	5.5	ug/L	37596	1	8.848	169454	25.0
Butanal	6.909	1.7	ug/L	11221	1	8.848	169454	25.0
unknown-01	11.067	5.2	ug/L	24273	2	11.634	117089	25.0
Heptanal	12.341	1.8	ug/L	8347	2	11.634	117089	25.0
(DEL) Alkane: S...	12.756	2.7	ug/L	2884	3	13.560	26884	25.0
unknown-02	12.932	9.8	ug/L	10549	3	13.560	26884	25.0
unknown-03	13.164	2.0	ug/L	2142	3	13.560	26884	25.0
(DEL) Alkane: S...	13.195	9.5	ug/L	10174	3	13.560	26884	25.0
(DEL) Alkane: S...	13.402	23.8	ug/L	25545	3	13.560	26884	25.0
Limonene	13.469	3.3	ug/L	3525	3	13.560	26884	25.0
(DEL) Alkane: S...	13.768	8.9	ug/L	9536	3	13.560	26884	25.0
Nonanal	14.322	10.9	ug/L	11688	3	13.560	26884	25.0
Benzene, 1,3,5-...	14.627	2.1	ug/L	2266	3	13.560	26884	25.0
(DEL) Alkane: S...	14.719	4.5	ug/L	4889	3	13.560	26884	25.0
unknown-04	15.365	2.1	ug/L	2308	3	13.560	26884	25.0
unknown-05	15.395	1.9	ug/L	2024	3	13.560	26884	25.0
Benzene, 1,4-di...	15.432	4.9	ug/L	5283	3	13.560	26884	25.0