LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VW030177.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.204	41	52	55	rBV7	9561	27801	2.63%	0.220%
2	2.363	72	78	90	rVB	36521	83547	7.90%	0.661%
3	2.899	158	166	177	rBV	29476	83288	7.88%	0.659%
4	3.064	191	193	196	rBV4	1103	870	0.08%	0.007%
5	3.295	225	231	234	rVB5	436	890	0.08%	0.007%
6	3.728	299	302	307	rBV6	456	971	0.09%	0.008%
7	4.021	337	350	364	rBV	80319	259180	24.52%	2.050%
8	4.399	407	412	415	rBV4	496	672	0.06%	0.005%
9	4.917	487	497	513	rVV3	10934	40274	3.81%	0.319%
10	5.100	524	527	528	rVV3	535	663	0.06%	0.005%
11	5.136	530	533	539	rVV3	933	1611	0.15%	0.013%
12	5.210	543	545	549	rVB3	442	576	0.05%	0.005%
13	5.795	631	641	654	rVV2	9974	33077	3.13%	0.262%
14	5.941	654	665	678	rVB5	3982	13415	1.27%	0.106%
15	6.106	685	692	693	rBV3	479	565	0.05%	0.004%
16	6.325	721	728	729	rBV2	421	631	0.06%	0.005%
17	6.898	811	822	835	rBV2	43875	129481	12.25%	1.024%
18	7.081	843	852	857	rVV2	22122	62320	5.90%	0.493%
19	7.142	857	862	880	rVV	21414	64256	6.08%	0.508%
20	7.258	880	881	887	rVV4	611	1074	0.10%	0.008%
21	7.410	905	906	910	rVV3	683	1076	0.10%	0.009%
22	7.453	910	913	917	rVV5	746	1088	0.10%	0.009%
23	7.526	924	925	929	rVV3	556	629	0.06%	0.005%
24	7.648	933	945	956	rBV	135894	334634	31.66%	2.647%
25	7.941	987	993	996	rBV5	686	1410	0.13%	0.011%
26	8.276	1036	1048	1065	rBV2	281827	835952	79.09%	6.611%
27	8.526	1086	1089	1091	rVB4	606	645	0.06%	0.005%
28	8.636	1102	1107	1110	rBV5	488	845	0.08%	0.007%
29	8.691	1114	1116	1122	rVB4	710	1034	0.10%	0.008%
30	8.843	1132	1141	1150	rBV	340012	688639	65.15%	5.446%
31	9.032	1163	1172	1179	rBV3	15233	34421	3.26%	0.272%
32	9.270	1203	1211	1222	rVV	178667	375744	35.55%	2.972%
33	9.343	1222	1223	1228	rVV5	1462	1756	0.17%	0.014%
34	9.489	1245	1247	1250	rBV4	650	742	0.07%	0.006%
35	9.654	1272	1274	1276	rBV3	745	752	0.07%	0.006%
36	9.709	1281	1283	1286	rVB4	678	740	0.07%	0.006%

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Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	9.843	1303	1305	1307	rVB3	909	847	0.08%	0.007%
38	9.886	1307	1312	1315	rBV7	1629	2794	0.26%	0.022%
39	10.032	1329	1336	1347	rBV	105110	196176	18.56%	1.552%
40	10.318	1375	1383	1391	rVV	392984	719124	68.03%	5.687%
41	10.379	1391	1393	1399	rVB2	5538	9692	0.92%	0.077%
42	10.575	1419	1425	1436	rBV	63362	114775	10.86%	0.908%
43	10.703	1438	1446	1453	rBV2	18844	35822	3.39%	0.283%
44	10.757	1453	1455	1457	rBV3	1319	1501	0.14%	0.012%
45	10.922	1476	1482	1498	rBV2	112819	246217	23.29%	1.947%
46	11.056	1500	1504	1514	rVB	29112	50896	4.82%	0.403%
47	11.471	1568	1572	1575	rBV	5547	8416	0.80%	0.067%
48	11.629	1588	1598	1609	rVB	515693	891952	84.38%	7.054%
49	11.727	1610	1614	1619	rBV2	3602	6038	0.57%	0.048%
50	11.836	1624	1632	1641	rVV4	37751	81221	7.68%	0.642%
51	12.135	1675	1681	1683	rBV6	12295	24782	2.34%	0.196%
52	12.251	1696	1700	1702	rBV2	10098	15437	1.46%	0.122%
53	12.349	1710	1716	1717	rBV2	23125	43911	4.15%	0.347%
54	12.605	1754	1758	1762	rVB	16522	25326	2.40%	0.200%
55	12.647	1762	1765	1767	rBV	7811	8470	0.80%	0.067%
56	12.690	1767	1772	1777	rVV	148667	250347	23.68%	1.980%
57	12.806	1777	1791	1794	rVV5	75925	311803	29.50%	2.466%
58	12.861	1797	1800	1808	rVV3	103868	286173	27.07%	2.263%
59	12.928	1808	1811	1818	rVB2	88956	159456	15.09%	1.261%
60	13.031	1823	1828	1834	rBV	101071	156267	14.78%	1.236%
61	13.105	1836	1840	1845	rVB3	14523	26137	2.47%	0.207%
62	13.159	1846	1849	1852	rBV3	10646	17161	1.62%	0.136%
63	13.269	1853	1867	1878	rVV4	388500	1057022	100.00%	8.360%
64	13.556	1907	1914	1922	rBV	543549	923344	87.35%	7.303%
65	13.641	1923	1928	1934	rVB	61560	101929	9.64%	0.806%
66	13.708	1937	1939	1942	rBV3	4837	5621	0.53%	0.044%
67	13.745	1942	1945	1948	rVB2	10600	12901	1.22%	0.102%
68	13.787	1948	1952	1955	rBV2	16343	22273	2.11%	0.176%
69	13.848	1956	1962	1969	rBV	387546	662837	62.71%	5.242%
70	14.007	1983	1988	1989	rBV	23187	31171	2.95%	0.247%
71	14.050	1989	1995	2012	rVB3	140502	351519	33.26%	2.780%
72	14.196	2014	2019	2023	rBV5	13628	22968	2.17%	0.182%
73	14.251	2024	2028	2035	rVB10	9276	23016	2.18%	0.182%
74	14.324	2036	2040	2047	rBV6	16419	39061	3.70%	0.309%
75	14.391	2047	2051	2052	rBV2	12631	16194	1.53%	0.128%
76	14.452	2057	2061	2070	rVV5	39233	97585	9.23%	0.772%

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Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VIBLK524

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

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Title : SFAM01.0

77	14.519	2070	2072	2077	rVB6	4524	6017	0.57%	0.048%
78	14.629	2086	2090	2094	rVB6	8495	14141	1.34%	0.112%
79	14.677	2095	2098	2099	rBV3	5177	5656	0.54%	0.045%
80	14.714	2100	2104	2108	rVV5	20216	33116	3.13%	0.262%
81	14.763	2108	2112	2130	rVB6	25837	96361	9.12%	0.762%
82	14.897	2130	2134	2137	rBV5	6661	12124	1.15%	0.096%
83	14.946	2138	2142	2148	rVB5	20008	39339	3.72%	0.311%
84	15.025	2149	2155	2159	rBV5	19526	41389	3.92%	0.327%
85	15.122	2164	2171	2185	rBV4	226059	611206	57.82%	4.834%
86	15.330	2198	2205	2206	rBV3	37640	66519	6.29%	0.526%
87	15.470	2217	2228	2235	rBV5	41293	124911	11.82%	0.988%
88	15.543	2235	2240	2244	rVV5	21497	39236	3.71%	0.310%
89	15.580	2244	2246	2249	rVV3	11311	13906	1.32%	0.110%
90	15.635	2249	2255	2262	rVV2	133662	266258	25.19%	2.106%
91	15.708	2262	2267	2271	rVB4	14147	27619	2.61%	0.218%
92	15.811	2278	2284	2292	rBV2	106879	185631	17.56%	1.468%
93	15.946	2300	2306	2309	rBV3	28629	54876	5.19%	0.434%
94	15.994	2310	2314	2321	rVV2	44627	87882	8.31%	0.695%
95	16.067	2322	2326	2333	rVB4	20311	42060	3.98%	0.333%
96	16.232	2348	2353	2358	rBV5	12213	23289	2.20%	0.184%
97	16.311	2358	2366	2378	rVV7	46548	141772	13.41%	1.121%
98	16.433	2379	2386	2391	rVV	69089	163291	15.45%	1.291%
99	16.519	2395	2400	2412	rVV2	132802	304644	28.82%	2.409%
100	16.628	2413	2418	2427	rVB	40501	99312	9.40%	0.785%

Sum of corrected areas: 12644006

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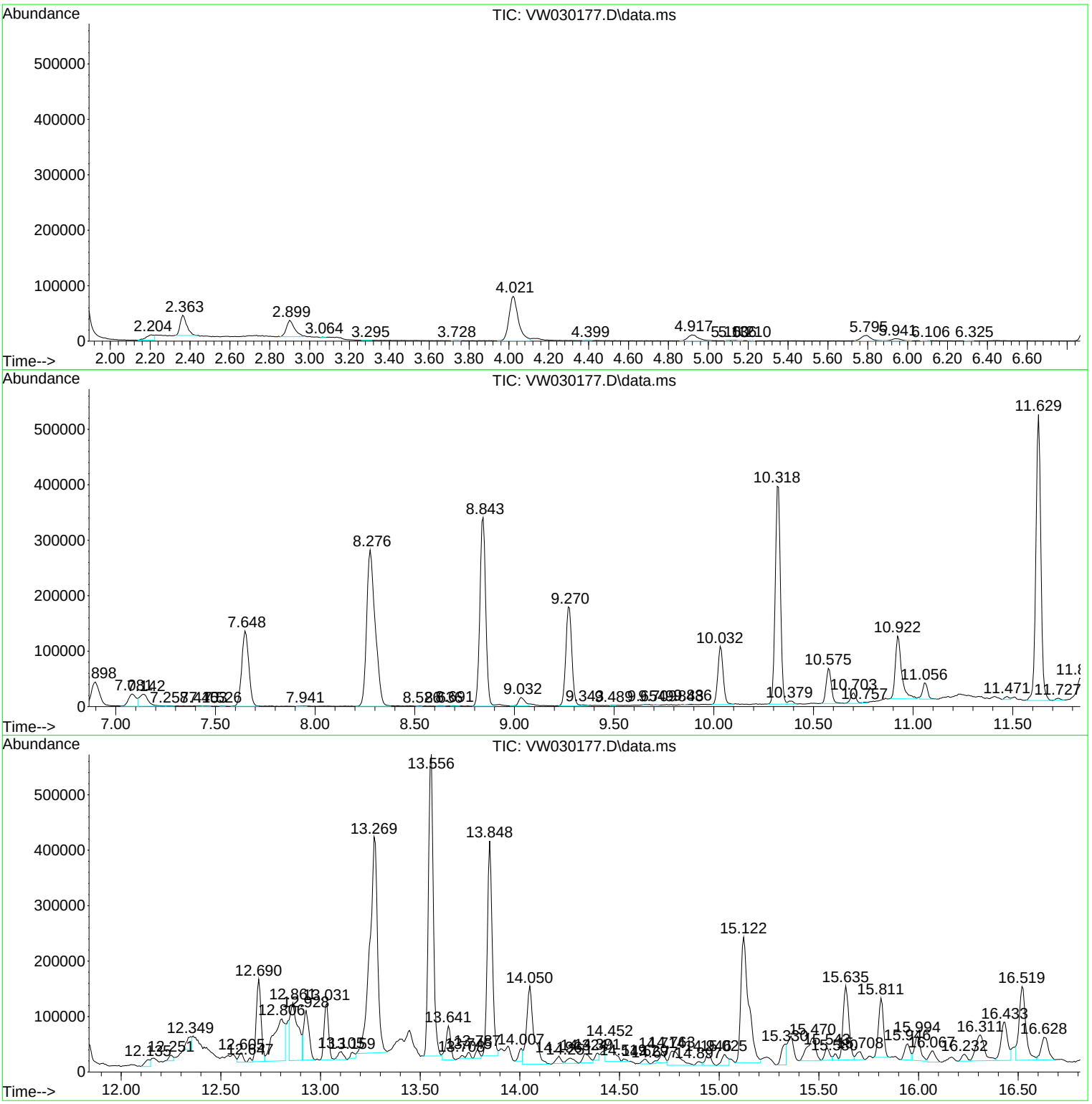
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
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Operator : SY/MD
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

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

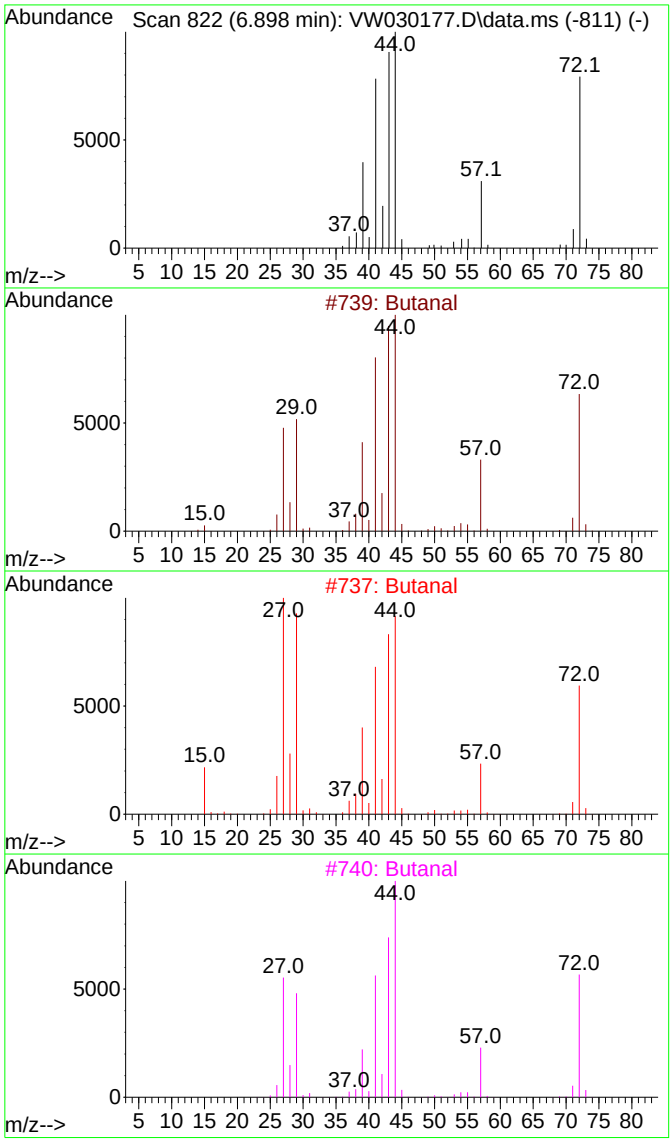
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

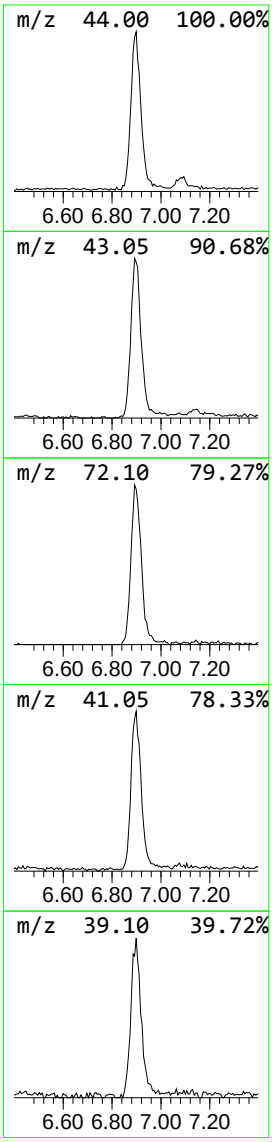
****

Peak Number 1 Butanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.898	4.70 ug/L	129481	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	81
4	Butanal	72	C4H8O	000123-72-8	74
5	Butanal	72	C4H8O	000123-72-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

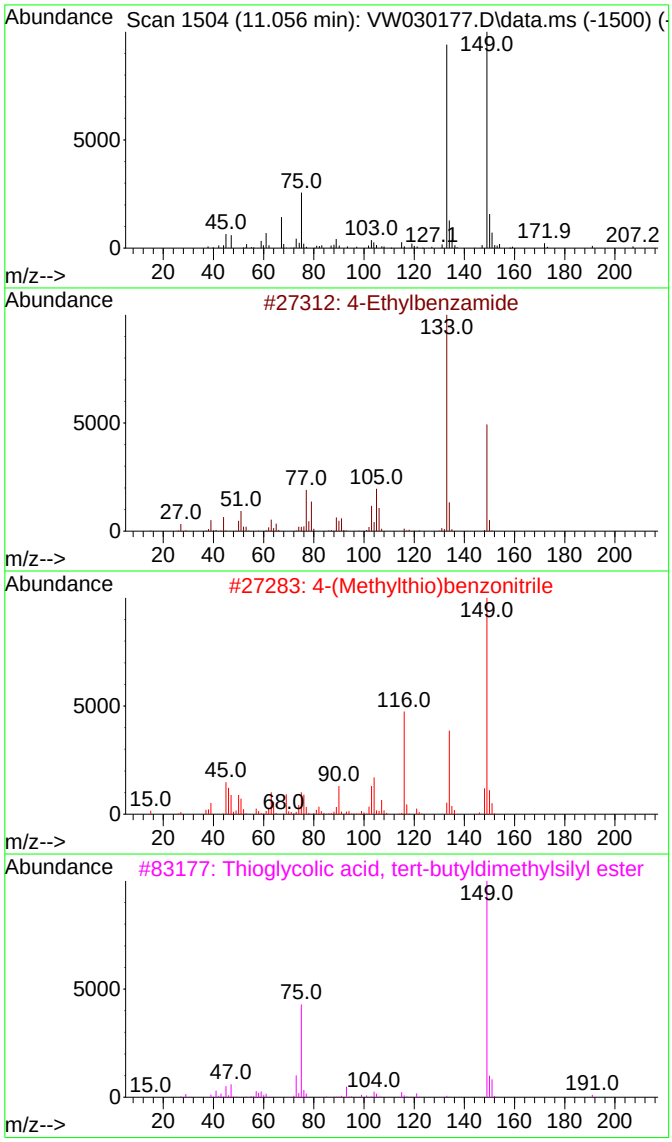
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

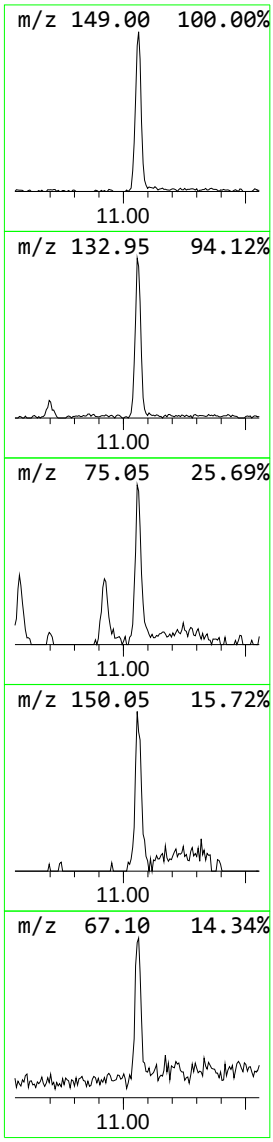
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-Ethylbenzamide Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.056	1.43 ug/L	50896	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbenzamide	149	C9H11NO	033695-58-8	64
2	4-(Methylthio)benzonitrile	149	C8H7NS	021382-98-9	32
3	Thioglycolic acid, tert-butyldim...	206	C8H18O2SSi	1000476-01-2	32
4	Benzoic acid, 3,4-dimethyl-, eth...	178	C11H14O2	033499-44-4	32
5	Oxalamide, N-(2-hydroxyethyl)-N'...	278	C14H18N2O4	1000304-26-2	27





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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
VIBLK524

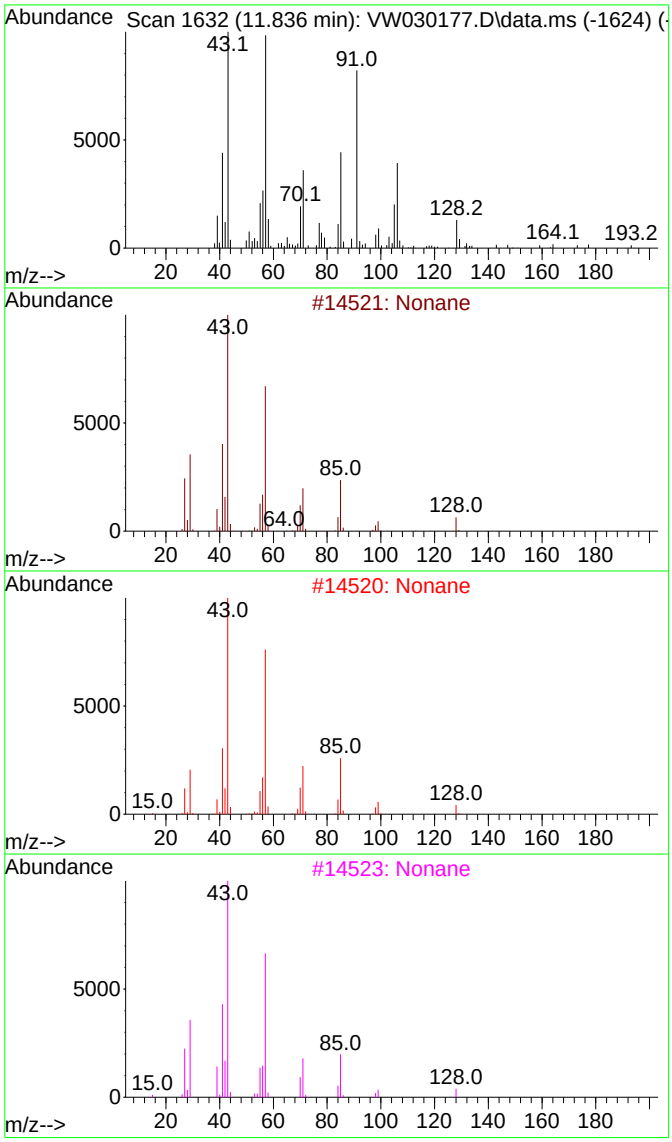
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

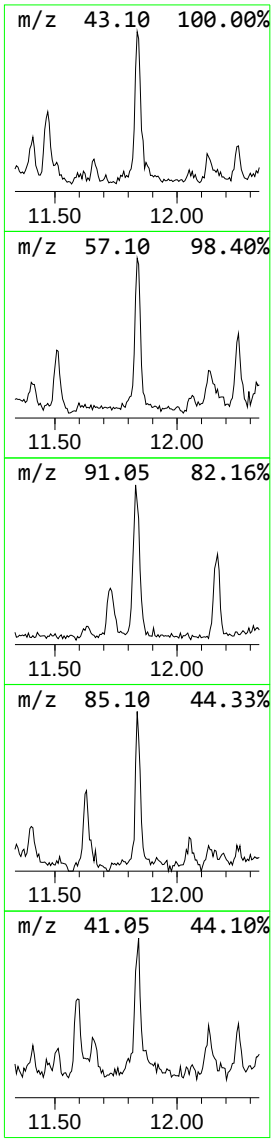
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.836	2.28 ug/L	81221	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	78
2	Nonane	128	C9H20	000111-84-2	60
3	Nonane	128	C9H20	000111-84-2	60
4	Nonane	128	C9H20	000111-84-2	55
5	p-Xylene	106	C8H10	000106-42-3	38





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

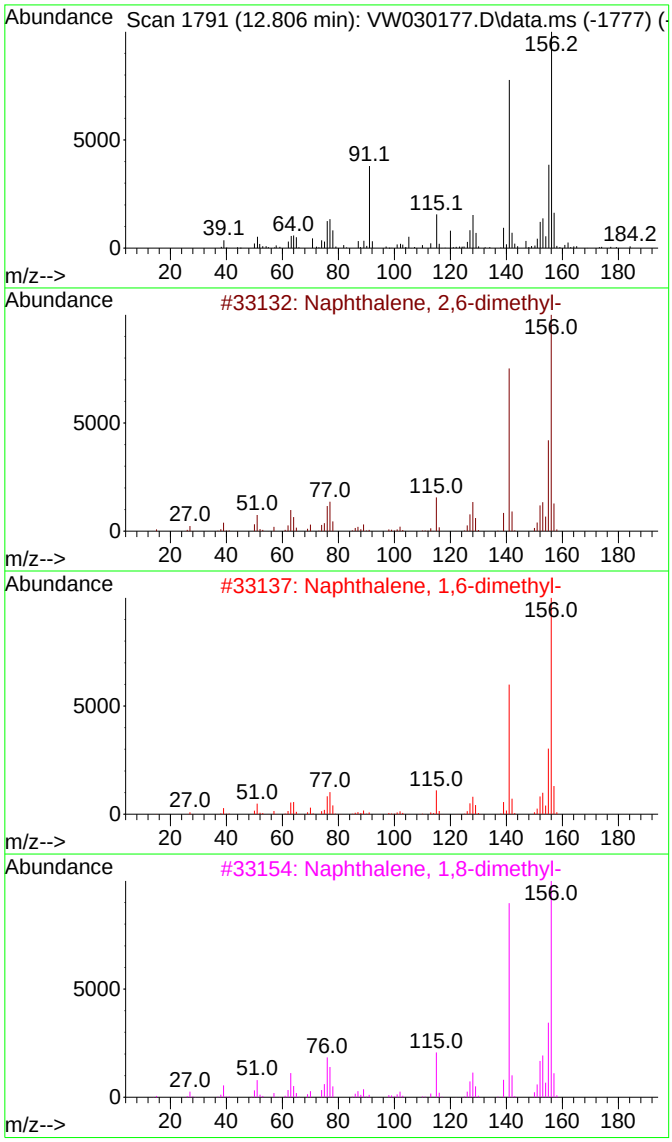
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

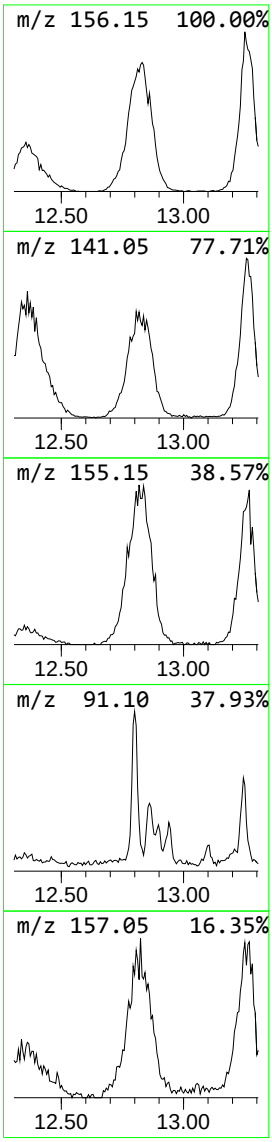
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.806	8.44 ug/L	311803	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

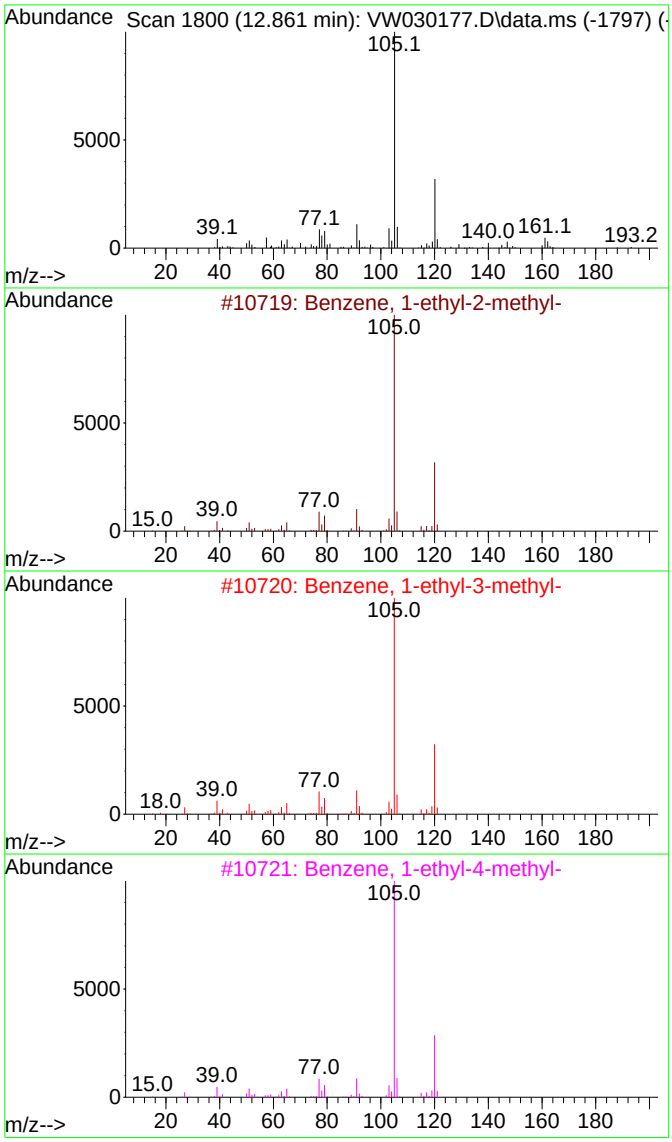
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

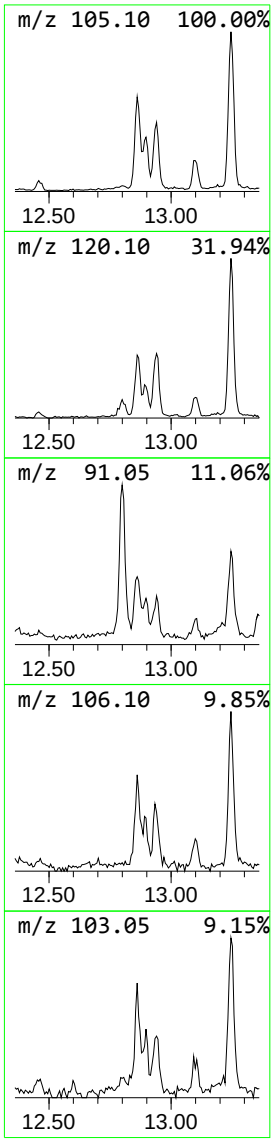
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	7.75 ug/L	286173	1,4-Dichlorobenzene-d4	13.556

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-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

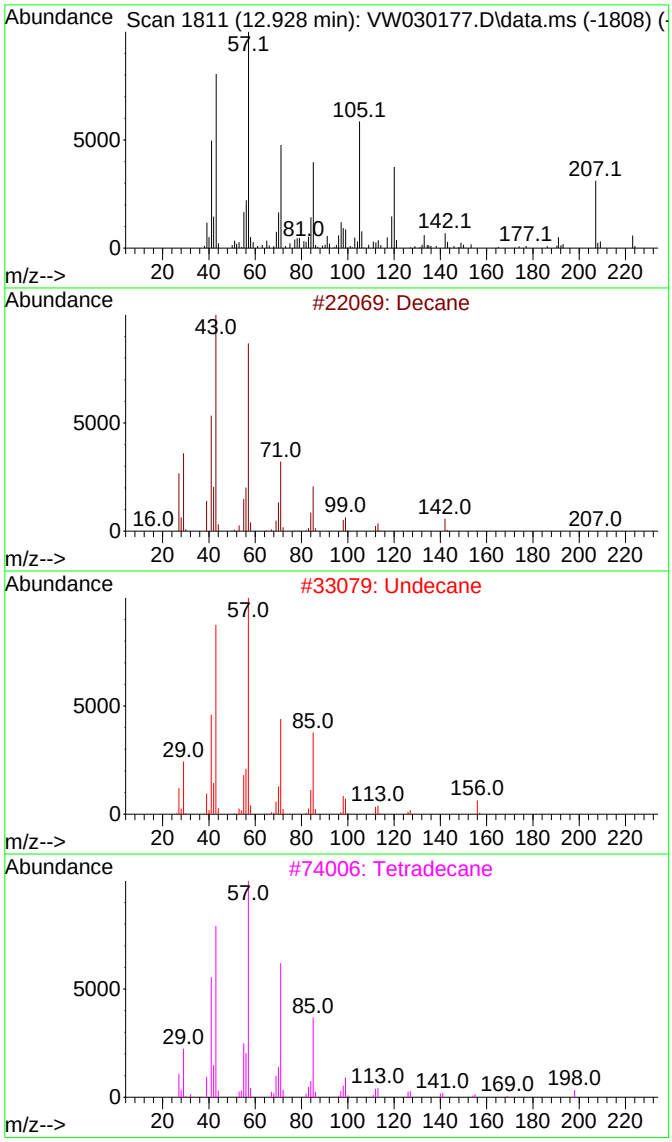
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

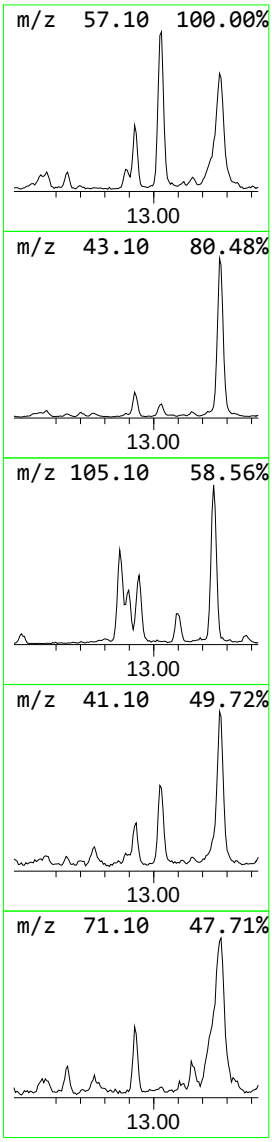
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.928	4.32 ug/L	159456	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	60
2	Undecane	156	C11H24	001120-21-4	58
3	Tetradecane	198	C14H30	000629-59-4	50
4	Decane	142	C10H22	000124-18-5	50
5	Decane	142	C10H22	000124-18-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

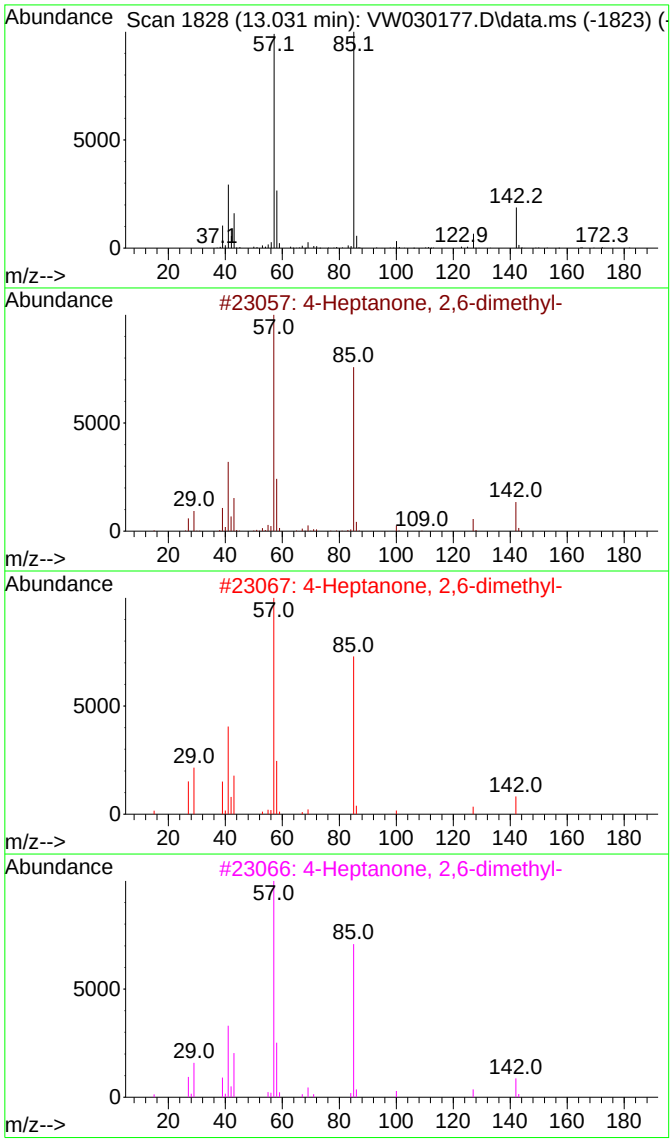
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

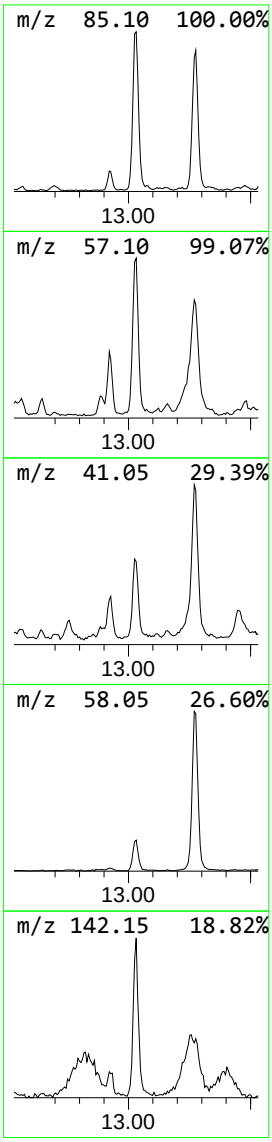
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4-Heptanone, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.031	4.23 ug/L	156267	1,4-Dichlorobenzene-d4	13.556

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	83
4	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83
5	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

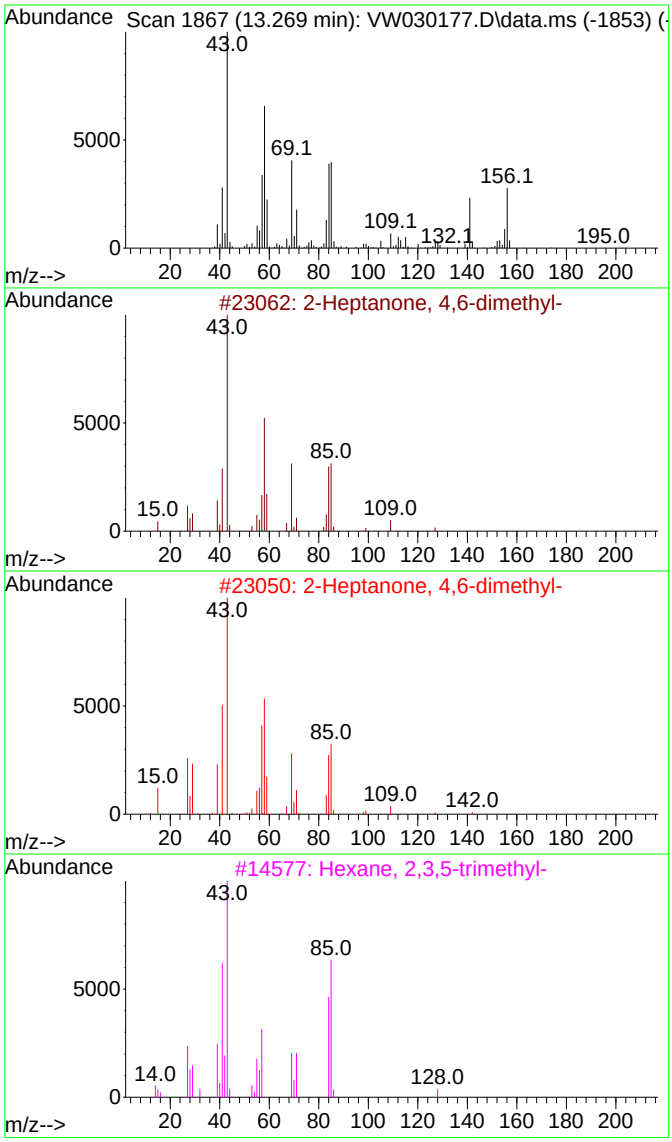
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

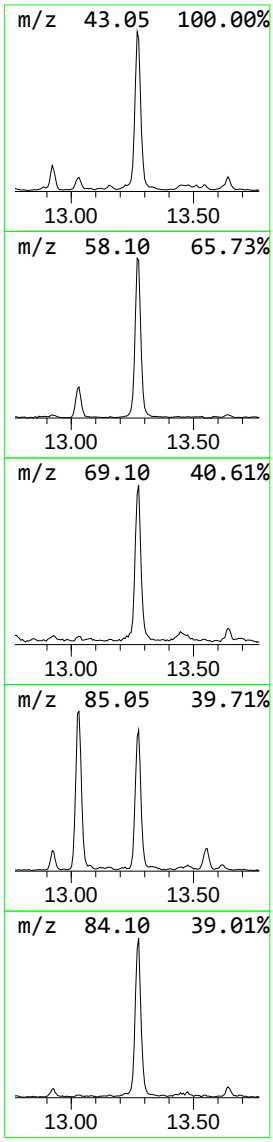
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2-Heptanone, 4,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.269	28.62 ug/L	1057020	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	58
2	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	53
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	30
4	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	27
5	3-Ethyl-3-methyl-2-pentanol	130	C8H18O	066576-22-5	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

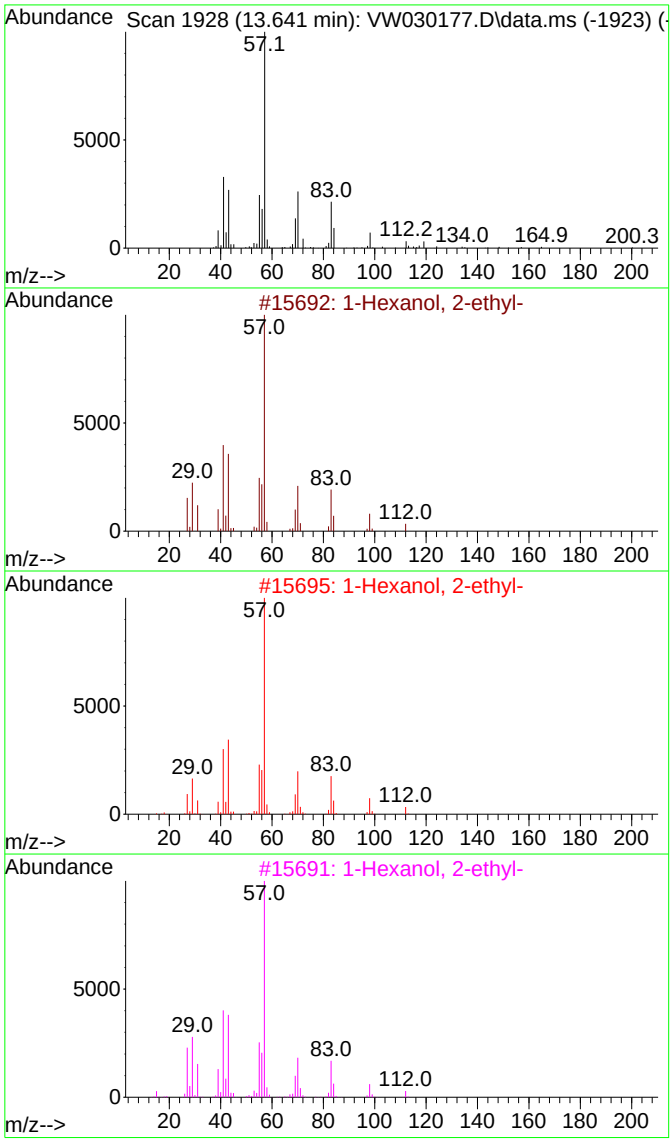
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

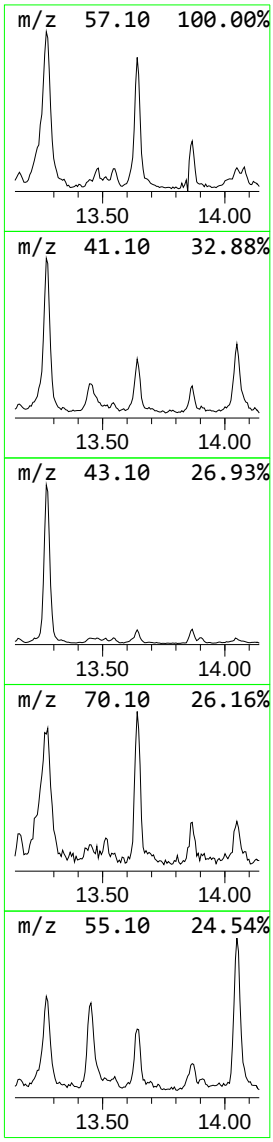
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1-Hexanol, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.641	2.76 ug/L	101929	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	Pentadecafluorooctanoic acid, 2-...	526	C16H17F15O2	1000406-80-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

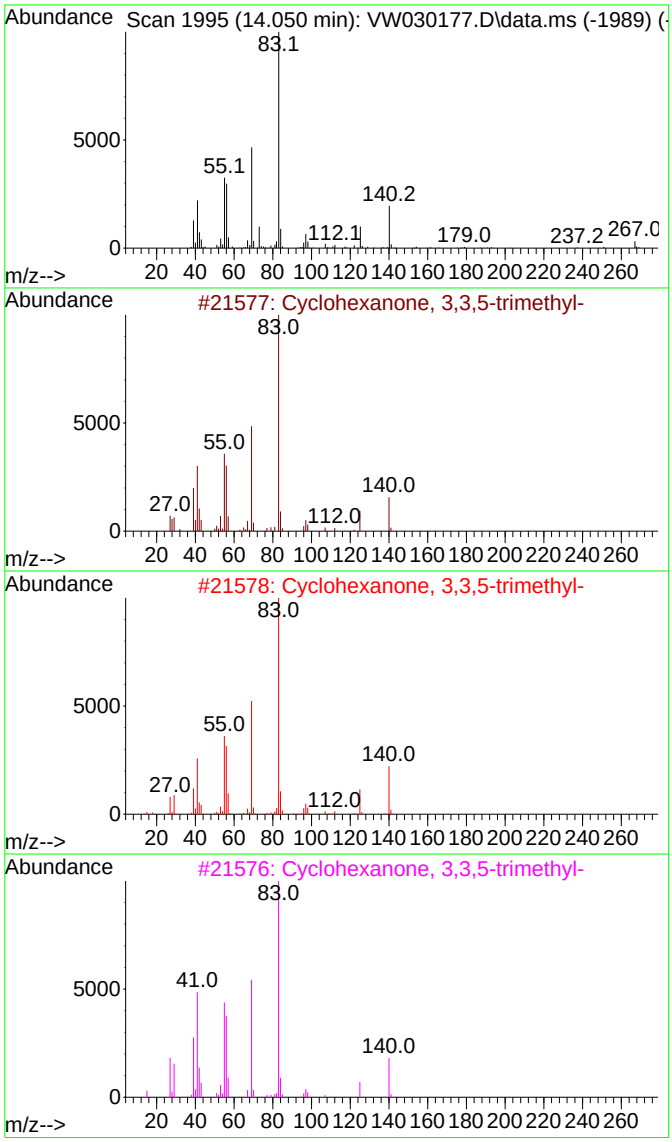
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

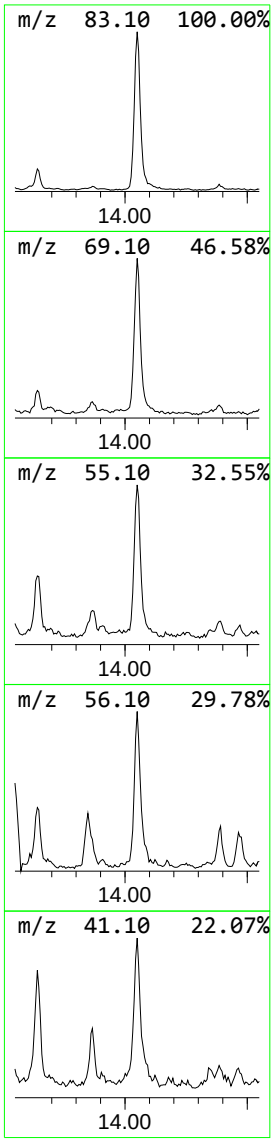
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclohexanone, 3,3,5-trimet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.050	9.52 ug/L	351519	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	93
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	93
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	80
5	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

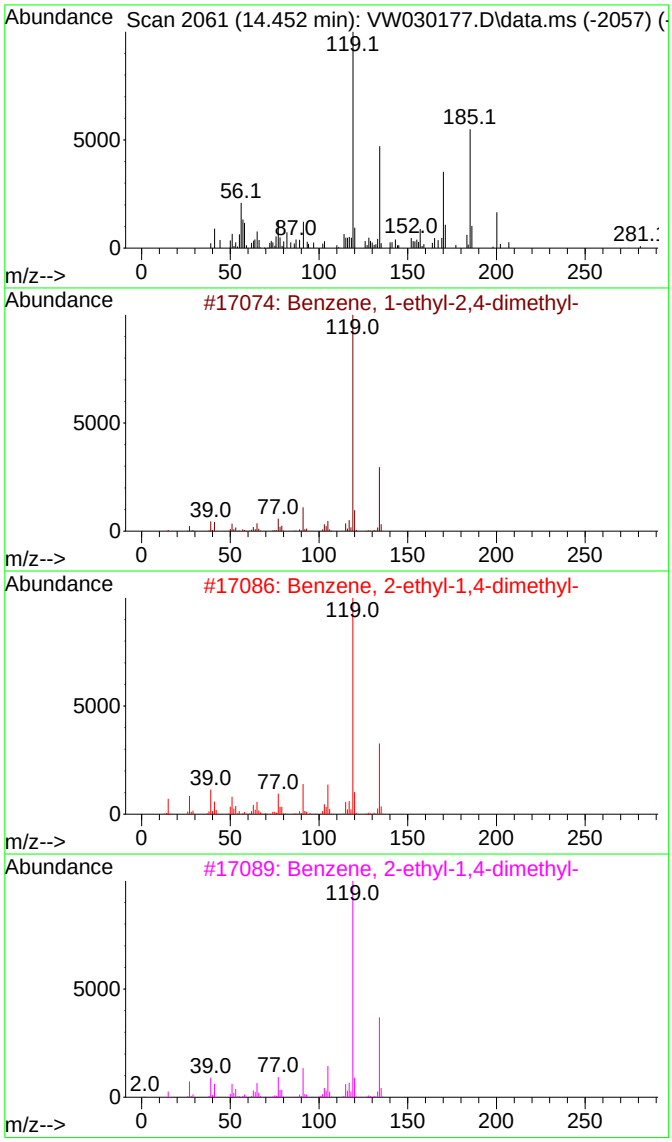
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

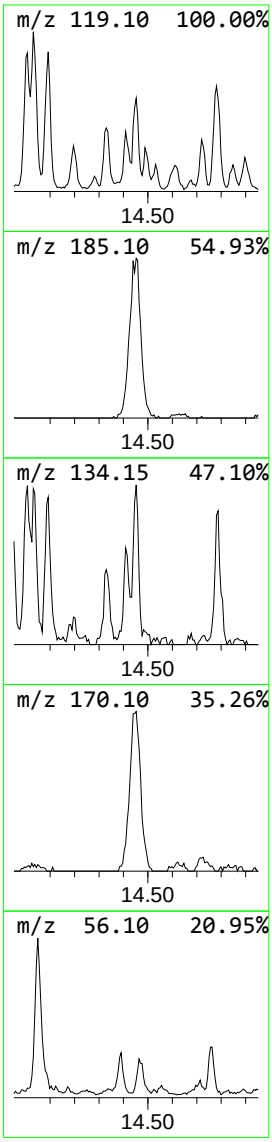
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	2.64 ug/L	97585	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	45
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	45
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	45
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

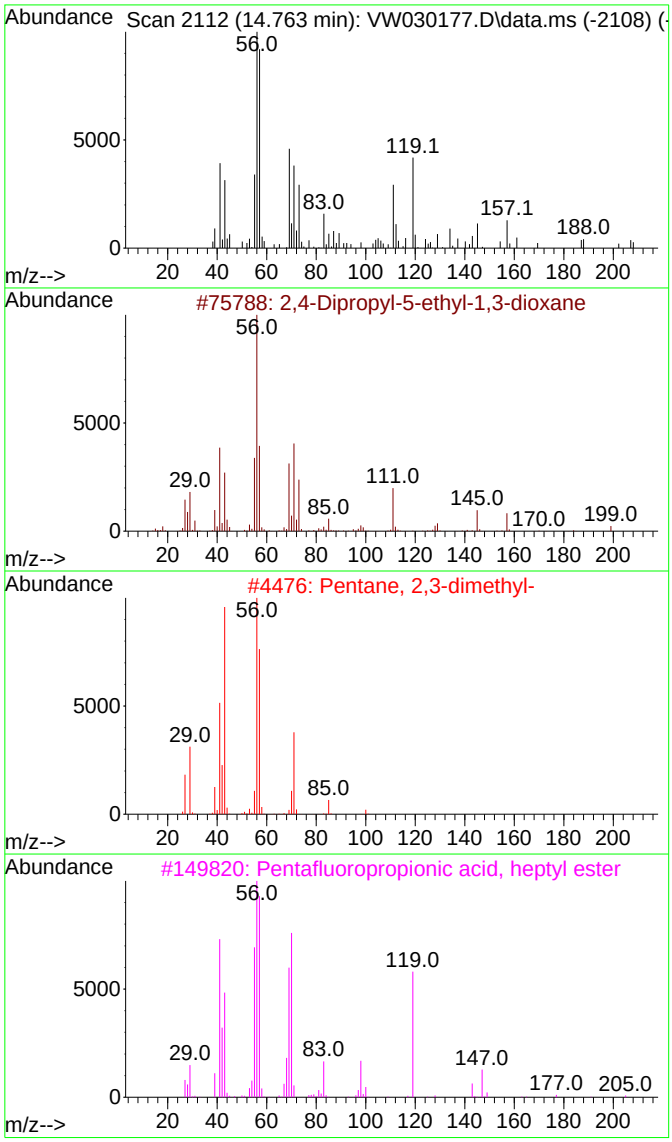
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

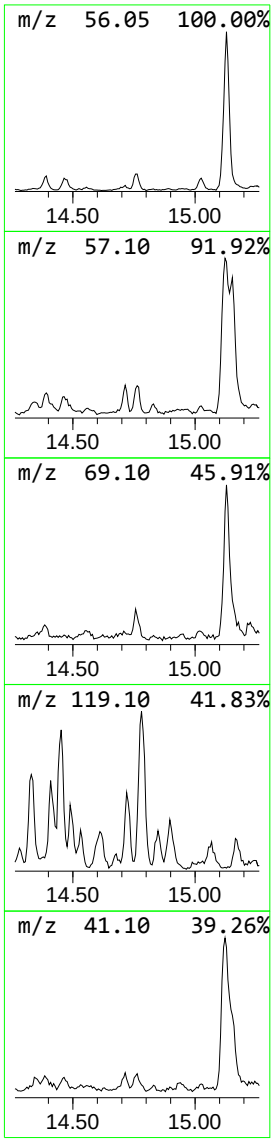
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2,4-Dipropyl-5-ethyl-1,3-di... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.763	2.61 ug/L	96361	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	53
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	35
3	Pentafluoropropionic acid, hepty...	262	C10H15F5O2	959033-16-0	32
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	27
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

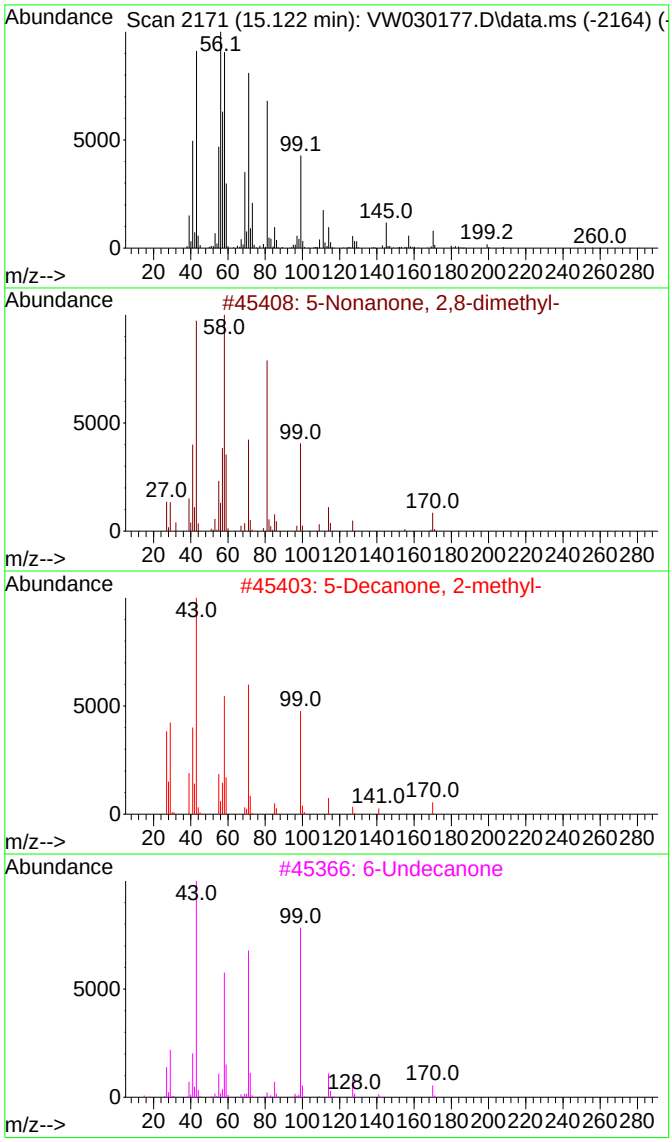
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

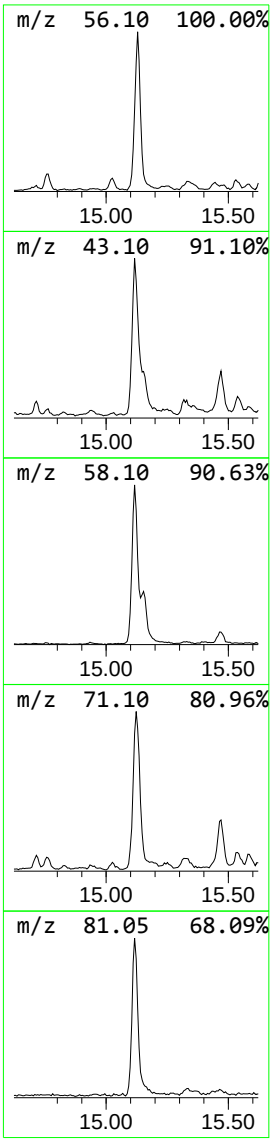
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 5-Nonanone, 2,8-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.123	16.55 ug/L	611206	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	64
2	5-Decanone, 2-methyl-	170	C11H22O	054410-89-8	46
3	6-Undecanone	170	C11H22O	000927-49-1	35
4	Isobutyl S-2-dimethylaminoethyl ...	239	C9H22NO2PS	056217-65-3	35
5	(Trimethylsilyl)diazomethane	114	C4H10N2Si	018107-18-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

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

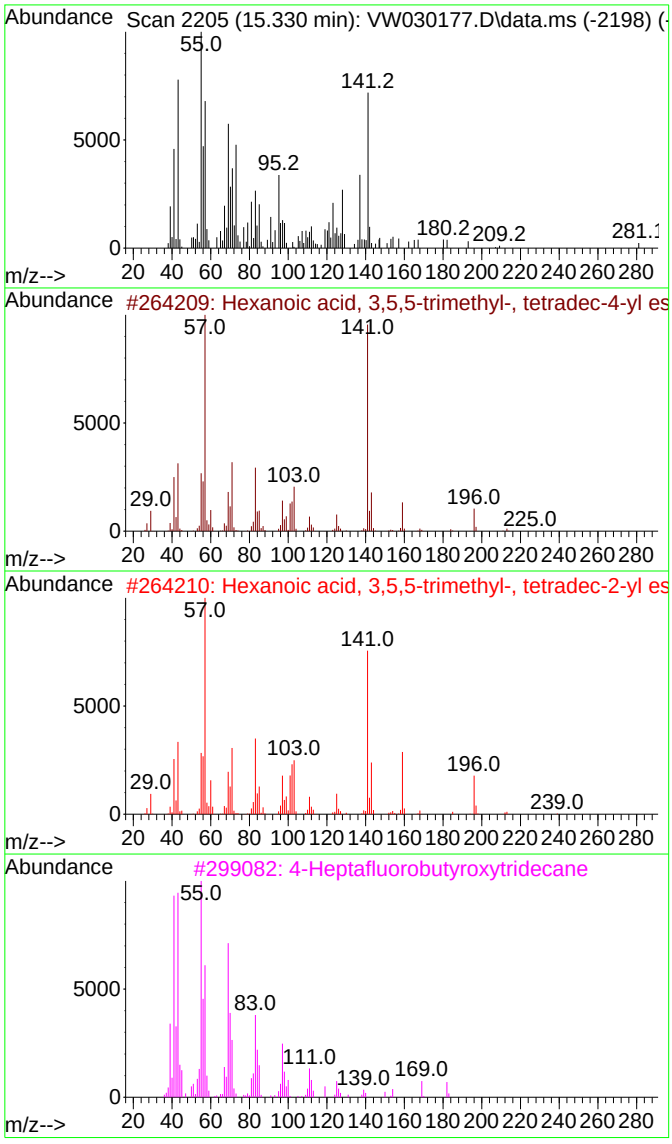
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

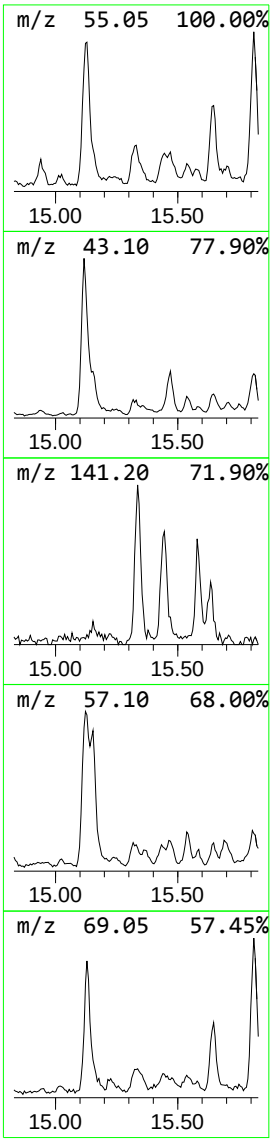
****

Peak Number 16 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.330	1.80 ug/L	66519	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-,...	354	C23H46O2	1000406-26-8	22
2	Hexanoic acid, 3,5,5-trimethyl-,...	354	C23H46O2	1000406-26-6	22
3	4-Heptafluorobutyroxytridecane	396	C17H27F7O2	1000245-49-6	18
4	Imidazole, 4-[1,1-dimethoxy-2-br...	270	C7H9BrF2N2O2	107553-22-0	14
5	2-Hexadecene, 2,6,10,14-tetramet...	280	C20H40	056554-34-8	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

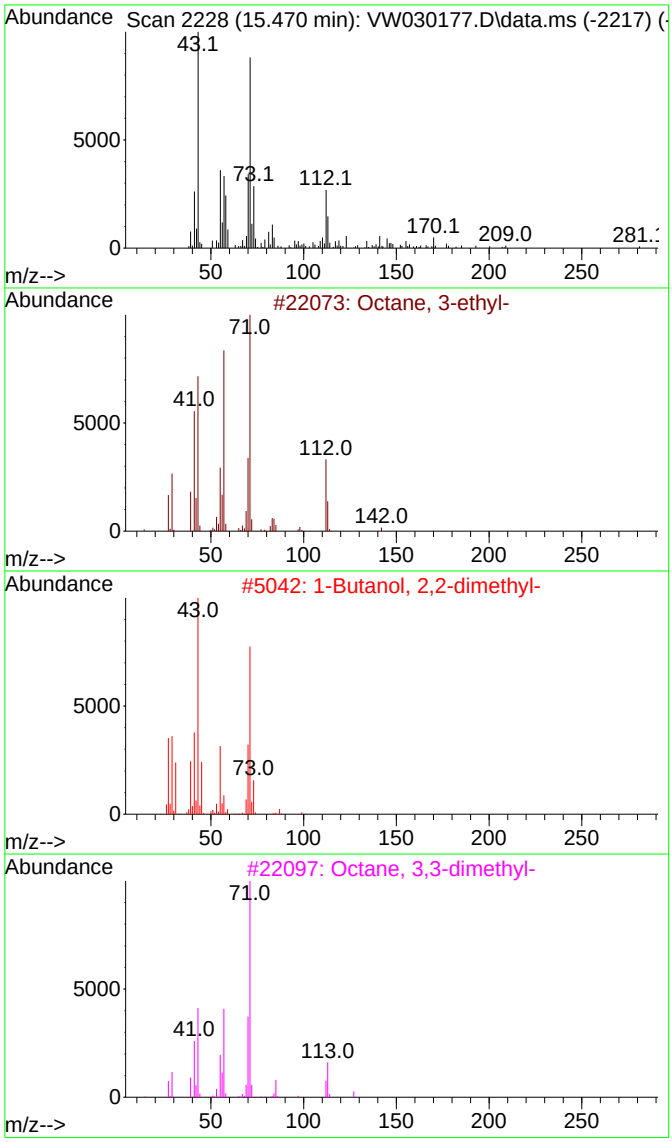
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

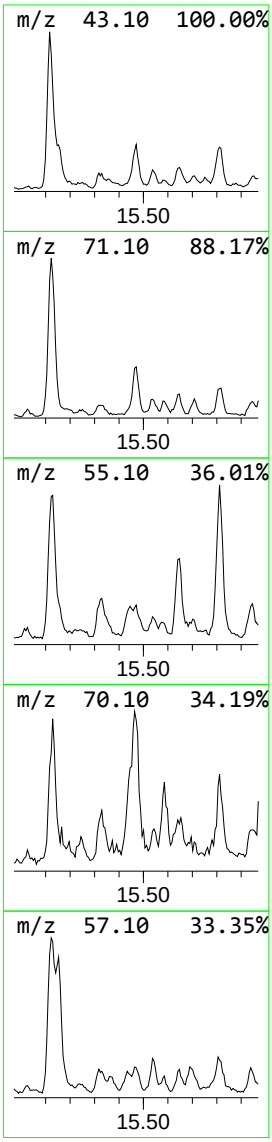
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.470	3.38 ug/L	124911	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-	142	C10H22	005881-17-4	52
2	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	47
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	47
4	Decane, 4-methyl-	156	C11H24	002847-72-5	47
5	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

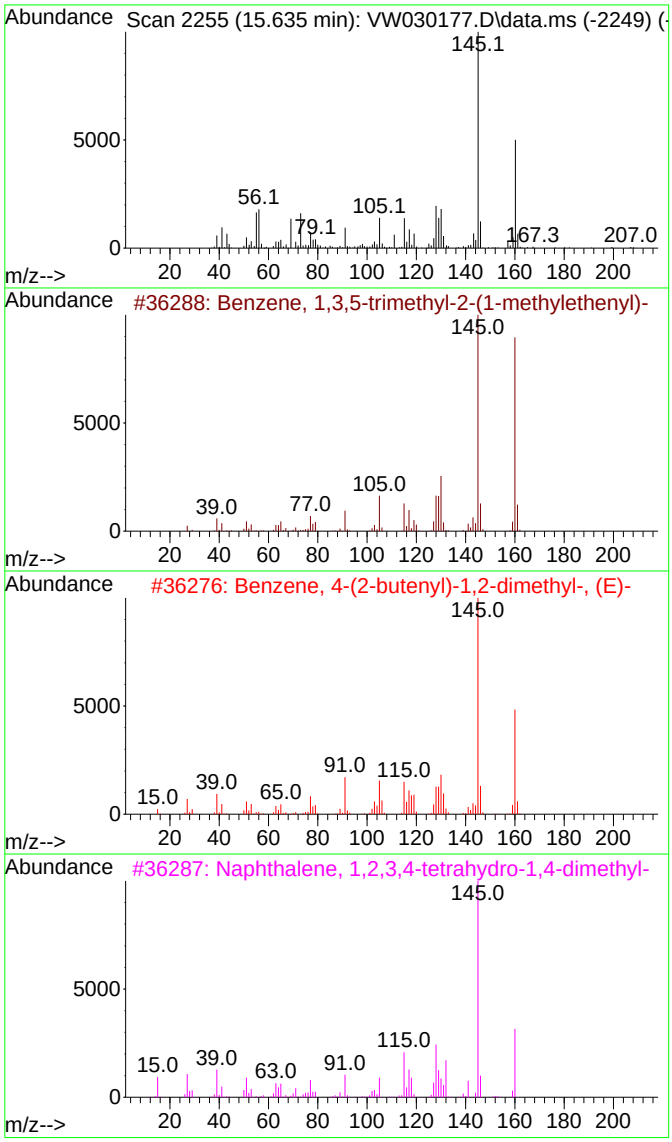
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

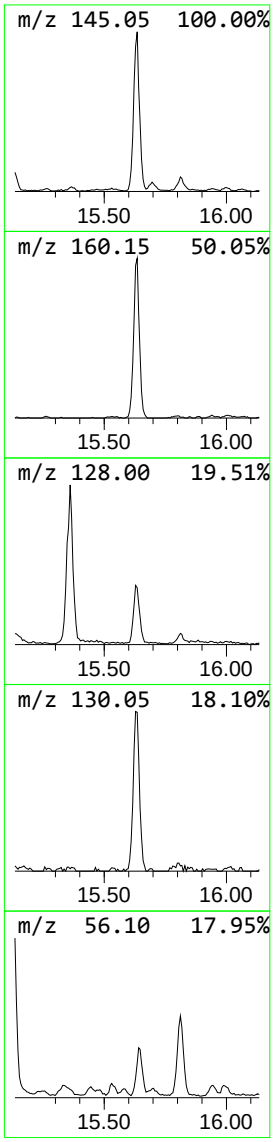
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.635	7.21 ug/L	266258	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	93
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	86
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

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

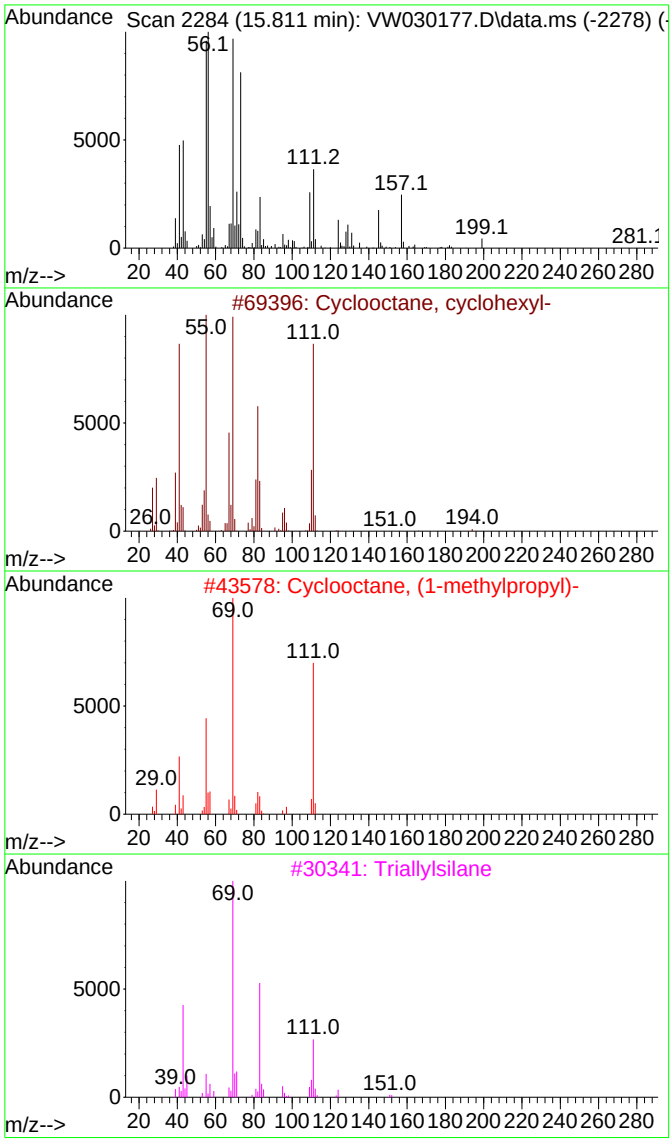
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

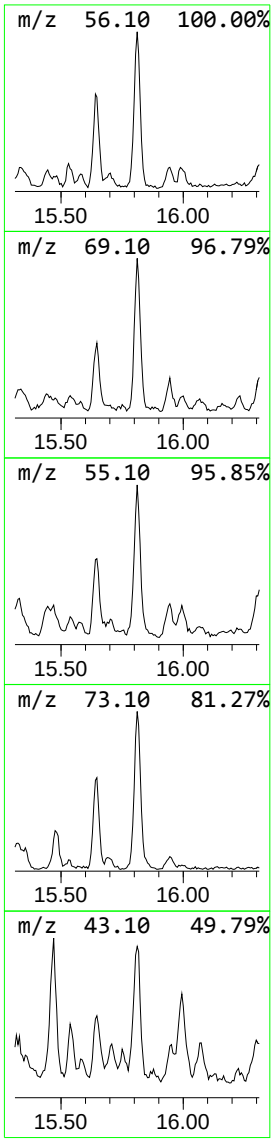
****

Peak Number 19 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.811	5.03 ug/L	185631	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	27
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	27
3	Triallylsilane	152	C9H16Si	001116-62-7	27
4	2-Pyrrolidinone, 1-ethenyl-	111	C6H9NO	000088-12-0	25
5	Cyclooctanemethanol	142	C9H18O	003637-63-6	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

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

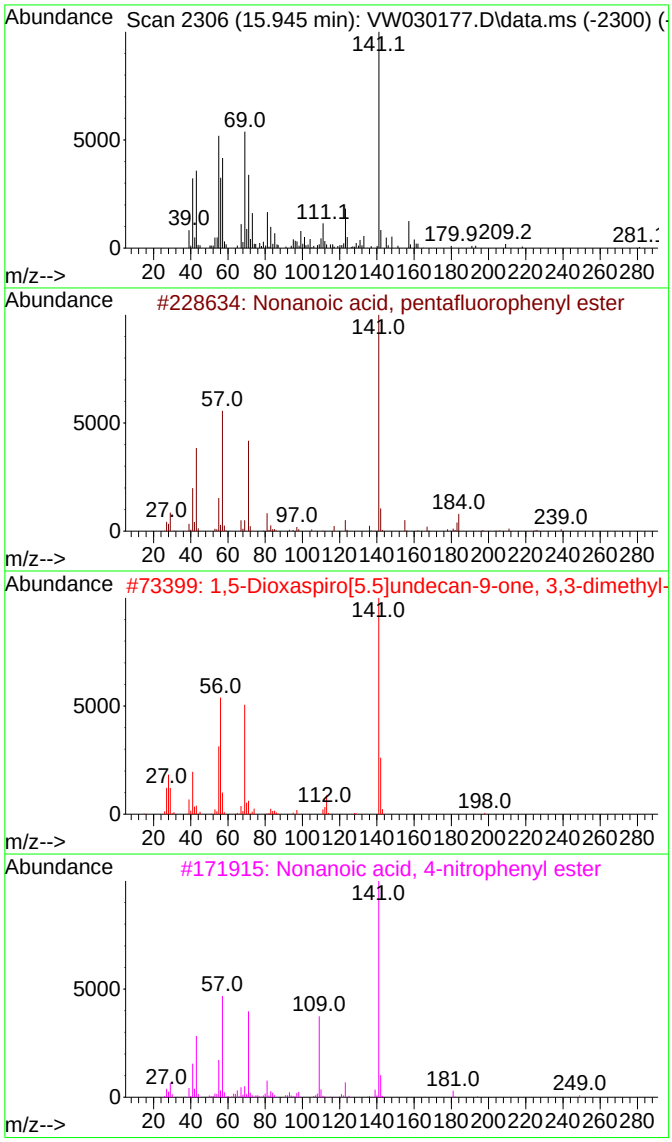
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

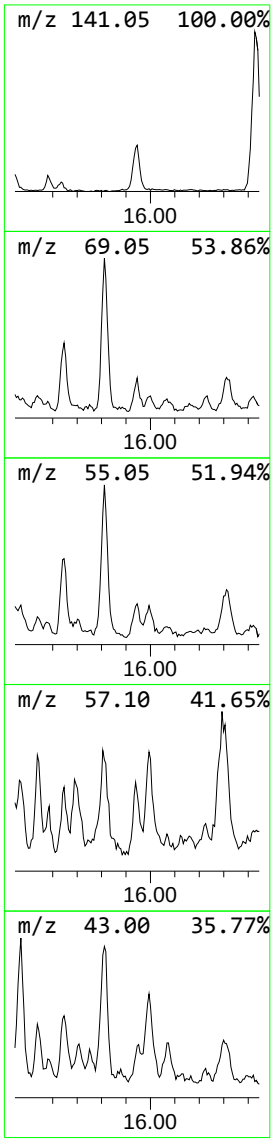
****

Peak Number 20 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.945	1.49 ug/L	54876	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid, pentafluorophenyl...	324	C15H17F5O2	1000360-66-5	47
2	1,5-Dioxaspiro[5.5]undecan-9-one...	198	C11H18O3	069225-59-8	47
3	Nonanoic acid, 4-nitrophenyl ester	279	C15H21NO4	1000358-02-8	47
4	2,5-Difluorobenzoic acid, 4-pent...	368	C22H34F2O2	1000338-48-5	43
5	3,4-Difluorobenzoic acid, 2-dode...	326	C19H28F2O2	1000338-59-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

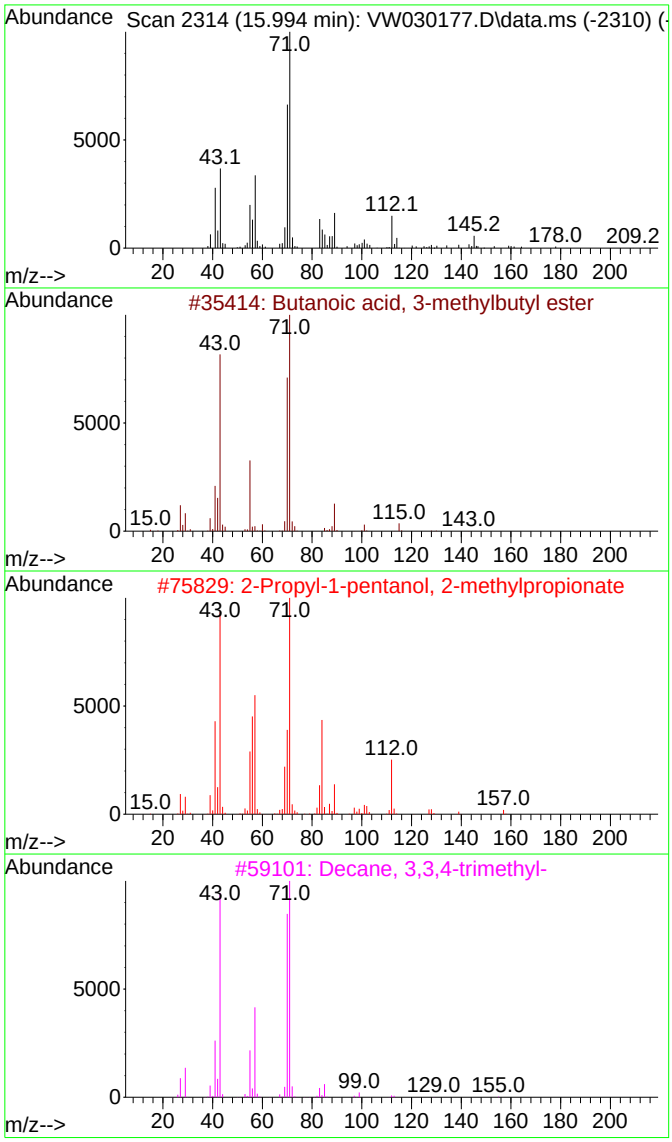
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

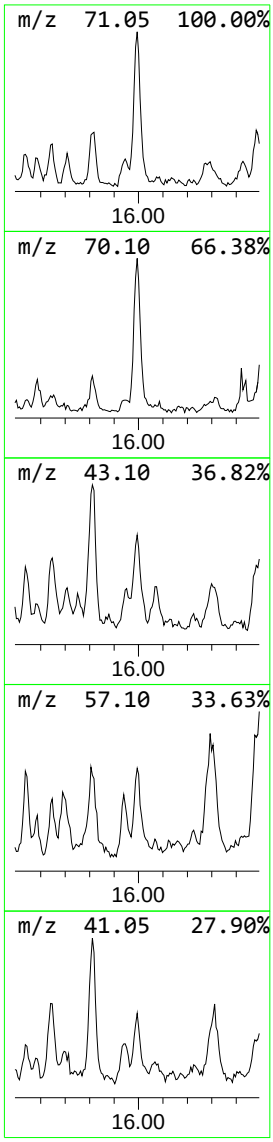
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Butanoic acid, 3-methylbuty... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.994	2.38 ug/L	87882	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methylbutyl ester	158	C9H18O2	000106-27-4	64
2	2-Propyl-1-pentanol, 2-methylpro...	200	C12H24O2	1000447-36-4	59
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
4	n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	52
5	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

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

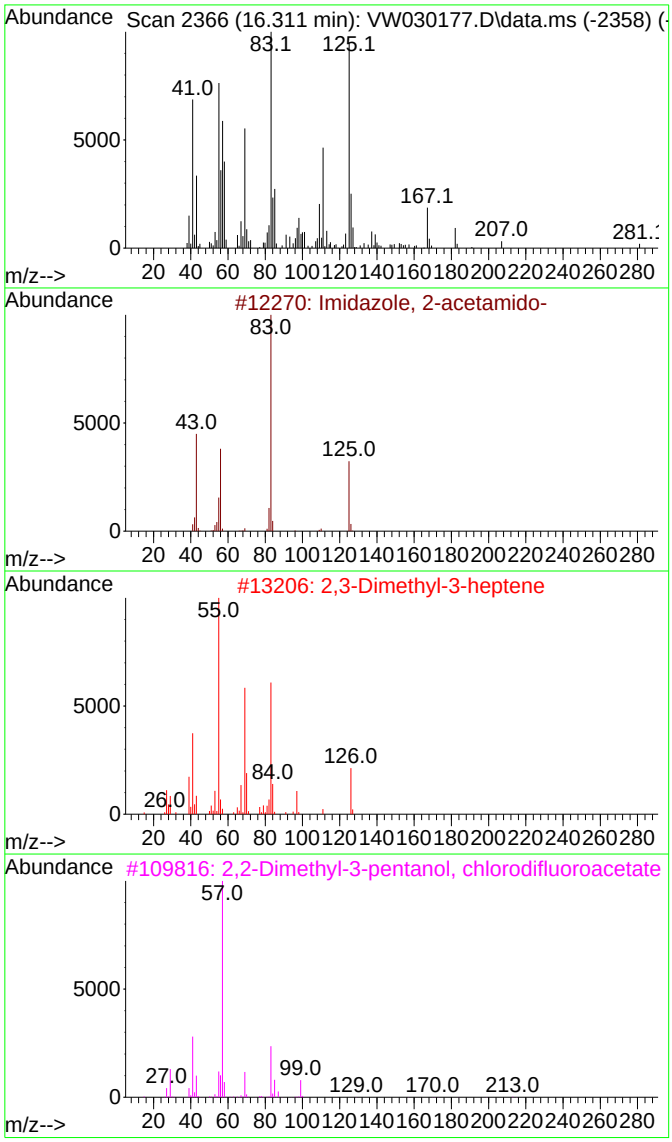
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

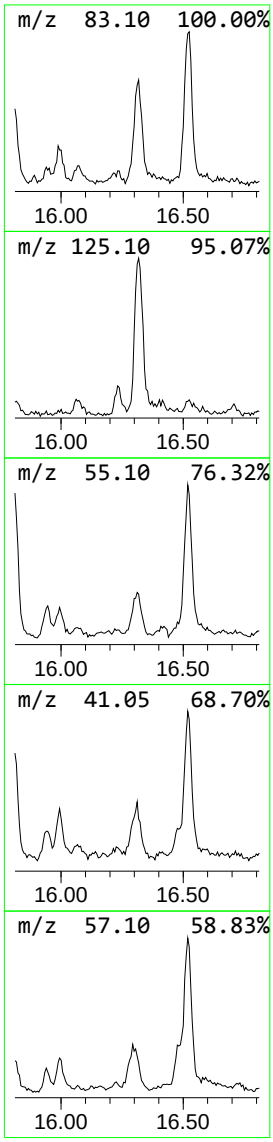
****

Peak Number 22 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.311	3.84 ug/L	141772	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazole, 2-acetamido-	125	C5H7N3O	052737-49-2	38
2	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	22
3	2,2-Dimethyl-3-pentanol, chlorod...	228	C9H15ClF2O2	1000376-26-4	22
4	3-Cyclopentylpropionic acid, 2-m...	226	C14H26O2	1000354-33-0	22
5	Cyclohexanecarbonyl chloride	146	C7H11ClO	002719-27-9	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

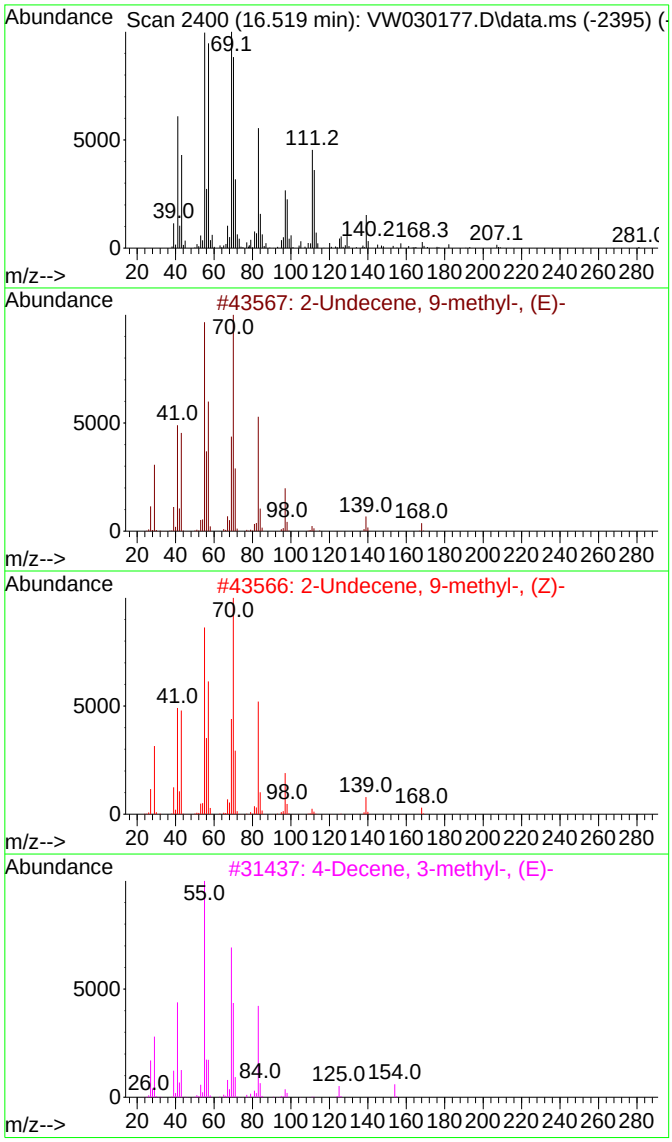
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

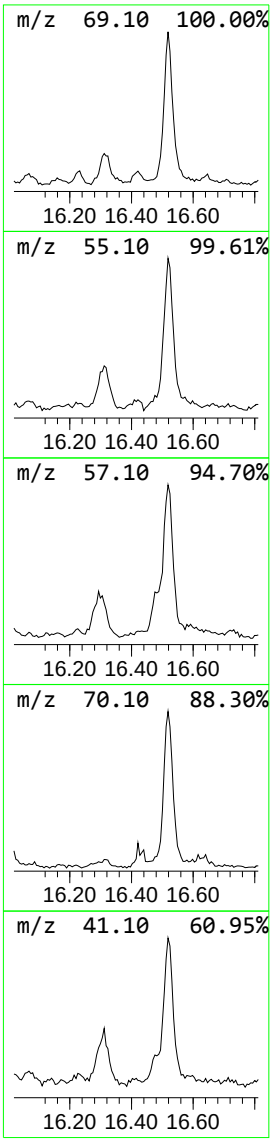
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.519	8.25 ug/L	304644	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 9-methyl-, (E)-	168	C12H24	074630-46-9	45
2	2-Undecene, 9-methyl-, (Z)-	168	C12H24	074630-45-8	45
3	4-Decene, 3-methyl-, (E)-	154	C11H22	062338-47-0	43
4	5-Ethyl-1-nonene	154	C11H22	019780-74-6	43
5	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030177.D
Acq On : 20 Sep 2024 16:02
Operator : SY/MD
Sample : VIBLK524
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK524

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butanal	6.898	4.7	ug/L	129481	1	8.843	688639	25.0
4-Ethylbenzamide	11.056	1.4	ug/L	50896	2	11.629	891952	25.0
(DEL) Alkane: S...	11.836	2.3	ug/L	81221	2	11.629	891952	25.0
Naphthalene, 2,...	12.806	8.4	ug/L	311803	3	13.556	923344	25.0
Benzene, 1-ethy...	12.861	7.8	ug/L	286173	3	13.556	923344	25.0
(DEL) Alkane: S...	12.928	4.3	ug/L	159456	3	13.556	923344	25.0
4-Heptanone, 2,...	13.031	4.2	ug/L	156267	3	13.556	923344	25.0
2-Heptanone, 4,...	13.269	28.6	ug/L	1057020	3	13.556	923344	25.0
1-Hexanol, 2-et...	13.641	2.8	ug/L	101929	3	13.556	923344	25.0
Cyclohexanone, ...	14.050	9.5	ug/L	351519	3	13.556	923344	25.0
Benzene, 1-ethy...	14.452	2.6	ug/L	97585	3	13.556	923344	25.0
2,4-Dipropyl-5-...	14.763	2.6	ug/L	96361	3	13.556	923344	25.0
5-Nonanone, 2,8...	15.123	16.6	ug/L	611206	3	13.556	923344	25.0
unknown-01	15.330	1.8	ug/L	66519	3	13.556	923344	25.0
(DEL) Alkane: S...	15.470	3.4	ug/L	124911	3	13.556	923344	25.0
Benzene, 1,3,5-...	15.635	7.2	ug/L	266258	3	13.556	923344	25.0
unknown-02	15.811	5.0	ug/L	185631	3	13.556	923344	25.0
unknown-03	15.945	1.5	ug/L	54876	3	13.556	923344	25.0
Butanoic acid, ...	15.994	2.4	ug/L	87882	3	13.556	923344	25.0
unknown-04	16.311	3.8	ug/L	141772	3	13.556	923344	25.0
(DEL) Alkane: S...	16.519	8.3	ug/L	304644	3	13.556	923344	25.0