LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

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\SFAMWLM120921SMA.M
Title : SFAM01.0

Signal : TIC: VW021445.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	65	73	87	rVB	46496	75137	14.32%	1.789%
2	2.489	93	96	103	rBV	2762	4846	0.92%	0.115%
3	2.617	115	117	120	rBV2	533	667	0.13%	0.016%
4	2.769	140	142	143	rBV	218	154	0.03%	0.004%
5	2.806	147	148	153	rVV3	572	641	0.12%	0.015%
6	2.885	153	161	171	rVV	23385	48973	9.33%	1.166%
7	3.093	193	195	196	rBV2	222	164	0.03%	0.004%
8	3.379	238	242	250	rBV2	245	494	0.09%	0.012%
9	3.684	284	292	300	rBV2	3548	8385	1.60%	0.200%
10	4.013	335	346	359	rBV	54401	162310	30.92%	3.865%
11	4.123	359	364	380	rVB2	2357	6337	1.21%	0.151%
12	4.251	380	385	388	rBV3	401	707	0.13%	0.017%
13	4.385	398	407	419	rBV	2021	5998	1.14%	0.143%
14	4.909	483	493	507	rVV3	3499	10612	2.02%	0.253%
15	5.013	507	510	512	rVB2	151	194	0.04%	0.005%
16	5.171	535	536	539	rVB	149	124	0.02%	0.003%
17	5.269	549	552	554	rBV	143	140	0.03%	0.003%
18	5.342	563	564	570	rBB	92	135	0.03%	0.003%
19	5.397	570	573	575	rBB	117	132	0.03%	0.003%
20	5.421	575	577	578	rBV	137	120	0.02%	0.003%
21	5.482	586	587	591	rVV	84	114	0.02%	0.003%
22	5.732	625	628	629	rBV	155	148	0.03%	0.004%
23	5.787	629	637	638	rBV2	527	1081	0.21%	0.026%
24	5.854	646	648	652	rBB2	122	113	0.02%	0.003%
25	5.934	656	661	669	rBB5	871	2282	0.43%	0.054%
26	6.092	683	687	689	rBV5	128	179	0.03%	0.004%
27	6.110	689	690	692	rVV	161	132	0.03%	0.003%
28	6.153	694	697	698	rVV	128	162	0.03%	0.004%
29	6.171	698	700	701	rVV	151	124	0.02%	0.003%
30	6.214	705	707	711	rBB	115	144	0.03%	0.003%
31	6.281	717	718	720	rBV	149	128	0.02%	0.003%
32	6.299	720	721	725	rVV2	131	177	0.03%	0.004%
33	6.537	758	760	764	rBV	122	195	0.04%	0.005%
34	6.689	782	785	788	rBV	90	145	0.03%	0.003%
35	6.714	788	789	793	rVB	126	143	0.03%	0.003%
36	6.897	818	819	822	rBV	123	141	0.03%	0.003%

LSC Area Percent Report

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Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

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\SFAMWLM120921SMA.M
Title : SFAM01.0

37	7.074	840	848	857	rBV	11223	31074	5.92%	0.740%
38	7.256	873	878	880	rBV2	470	675	0.13%	0.016%
39	7.311	885	887	890	rVB	198	234	0.04%	0.006%
40	7.647	931	942	953	rBV	82256	199472	38.00%	4.750%
41	7.726	953	955	956	rVB	180	121	0.02%	0.003%
42	7.823	969	971	973	rBV	149	149	0.03%	0.004%
43	7.854	975	976	979	rVB	140	119	0.02%	0.003%
44	8.025	1000	1004	1008	rBB	145	219	0.04%	0.005%
45	8.275	1034	1045	1058	rBV2	160685	467464	89.06%	11.132%
46	8.433	1068	1071	1076	rBV7	347	625	0.12%	0.015%
47	8.476	1076	1078	1081	rVB2	564	551	0.10%	0.013%
48	8.622	1100	1102	1106	rVB	152	163	0.03%	0.004%
49	8.683	1109	1112	1117	rBB	140	184	0.04%	0.004%
50	8.842	1130	1138	1150	rBV	167197	333128	63.47%	7.933%
51	9.024	1164	1168	1170	rBB	114	120	0.02%	0.003%
52	9.079	1175	1177	1180	rBB	255	209	0.04%	0.005%
53	9.146	1183	1188	1189	rBB	125	132	0.03%	0.003%
54	9.207	1195	1198	1200	rBV	137	184	0.04%	0.004%
55	9.274	1200	1209	1218	rBV	104148	212181	40.43%	5.053%
56	9.390	1224	1228	1233	rVB4	616	1196	0.23%	0.028%
57	9.439	1233	1236	1239	rVB	192	186	0.04%	0.004%
58	9.524	1248	1250	1253	rBB	195	197	0.04%	0.005%
59	9.573	1256	1258	1261	rVB	135	114	0.02%	0.003%
60	9.652	1270	1271	1277	rBB	265	353	0.07%	0.008%
61	9.750	1284	1287	1294	rBB3	634	1165	0.22%	0.028%
62	9.896	1302	1311	1316	rBV2	1371	2630	0.50%	0.063%
63	10.036	1319	1334	1341	rBV	49024	90718	17.28%	2.160%
64	10.207	1358	1362	1366	rVV2	837	1753	0.33%	0.042%
65	10.250	1367	1369	1372	rVV2	1164	1300	0.25%	0.031%
66	10.323	1373	1381	1388	rVV	249449	432341	82.37%	10.296%
67	10.384	1388	1391	1397	rVB2	3419	5550	1.06%	0.132%
68	10.439	1397	1400	1402	rBV2	161	148	0.03%	0.004%
69	10.463	1402	1404	1406	rBV2	160	127	0.02%	0.003%
70	10.500	1407	1410	1416	rVB6	615	1019	0.19%	0.024%
71	10.579	1416	1423	1433	rBV	30538	53447	10.18%	1.273%
72	10.670	1437	1438	1439	rBV	265	163	0.03%	0.004%
73	10.695	1439	1442	1449	rVB4	1018	1836	0.35%	0.044%
74	10.768	1451	1454	1457	rBV5	723	1032	0.20%	0.025%
75	10.847	1462	1467	1472	rBV5	1836	3289	0.63%	0.078%
76	10.927	1472	1480	1488	rBV	49081	90107	17.17%	2.146%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
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Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

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\SFAMWLM120921SMA.M
Title : SFAM01.0

77	11.036	1494	1498	1506	rBV5	3265	6568	1.25%	0.156%
78	11.109	1506	1510	1515	rBV7	3161	5758	1.10%	0.137%
79	11.225	1526	1529	1533	rVB4	2737	3897	0.74%	0.093%
80	11.341	1544	1548	1550	rBV5	2748	4210	0.80%	0.100%
81	11.628	1589	1595	1603	rVB	247401	428894	81.72%	10.213%
82	11.762	1614	1617	1621	rVB5	3029	4141	0.79%	0.099%
83	11.823	1621	1627	1630	rBV5	4516	10262	1.96%	0.244%
84	11.871	1630	1635	1639	rVV2	12609	23599	4.50%	0.562%
85	11.920	1639	1643	1647	rVB3	6334	10187	1.94%	0.243%
86	12.134	1672	1678	1690	rBV6	17394	45611	8.69%	1.086%
87	12.249	1693	1697	1702	rVB	17491	25121	4.79%	0.598%
88	12.335	1702	1711	1712	rBV4	10700	23713	4.52%	0.565%
89	12.603	1750	1755	1756	rBV4	5804	9969	1.90%	0.237%
90	12.688	1763	1769	1775	rBV	86601	152323	29.02%	3.627%
91	12.780	1781	1784	1789	rVB4	10054	15901	3.03%	0.379%
92	12.865	1790	1798	1801	rBV6	21627	59932	11.42%	1.427%
93	13.164	1844	1847	1855	rVB3	14060	22897	4.36%	0.545%
94	13.554	1905	1911	1926	rVB	311879	524861	100.00%	12.499%
95	13.853	1953	1960	1969	rBV	233782	454142	86.53%	10.815%
96	14.200	2013	2017	2022	rBV8	4360	10440	1.99%	0.249%
97	14.383	2043	2047	2049	rBV4	8208	12639	2.41%	0.301%
98	14.456	2056	2059	2062	rVB	8943	10583	2.02%	0.252%
99	15.359	2203	2207	2212	rBV	16365	26088	4.97%	0.621%
100	16.639	2409	2417	2425	rBV2	15997	40213	7.66%	0.958%

Sum of corrected areas: 4199302

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
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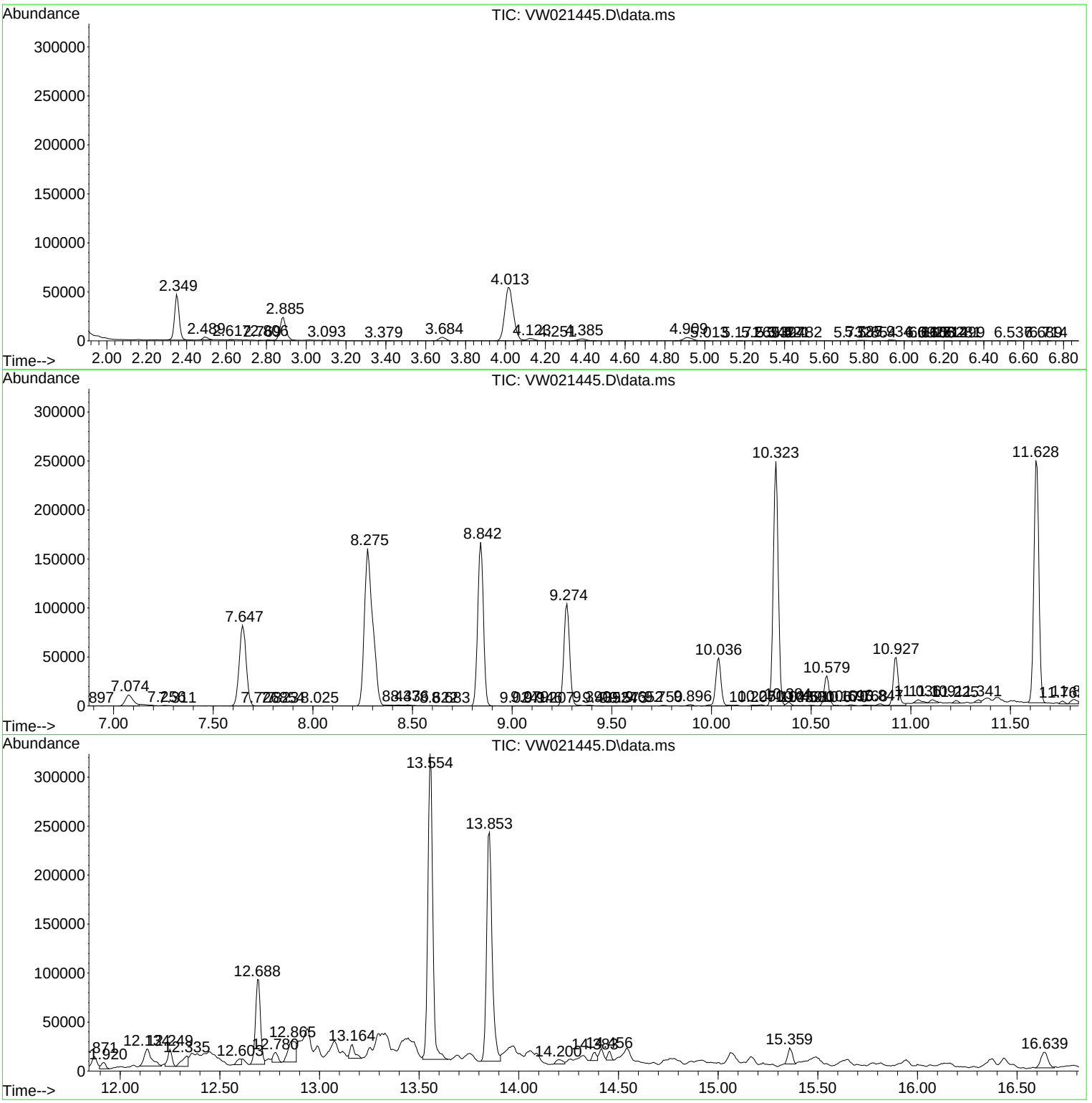
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

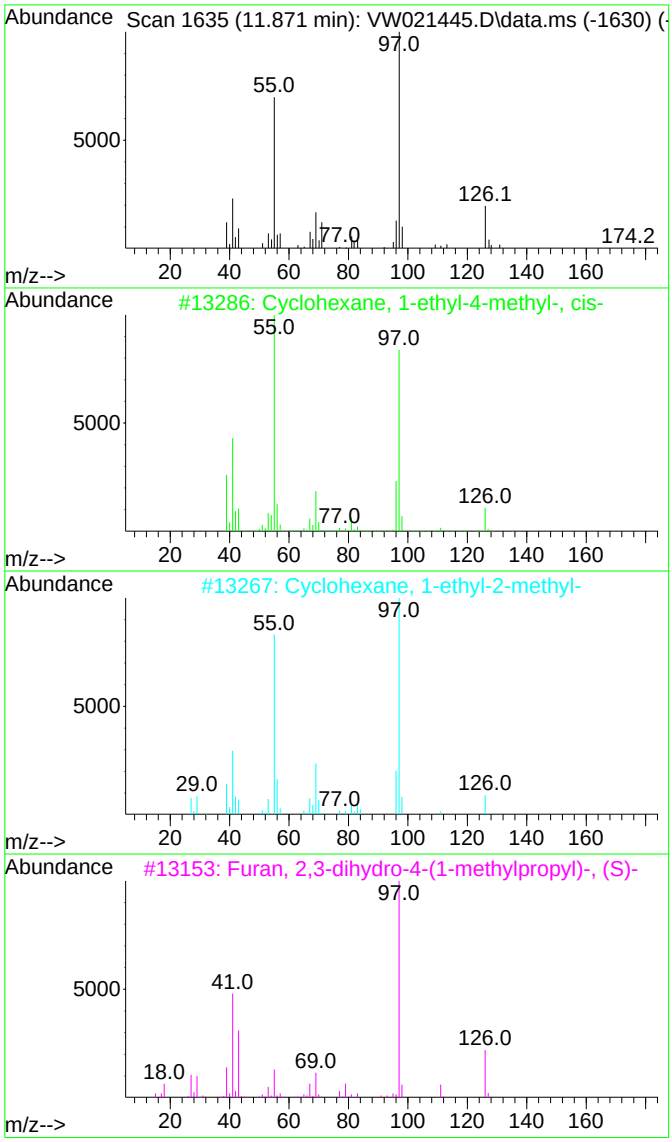
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

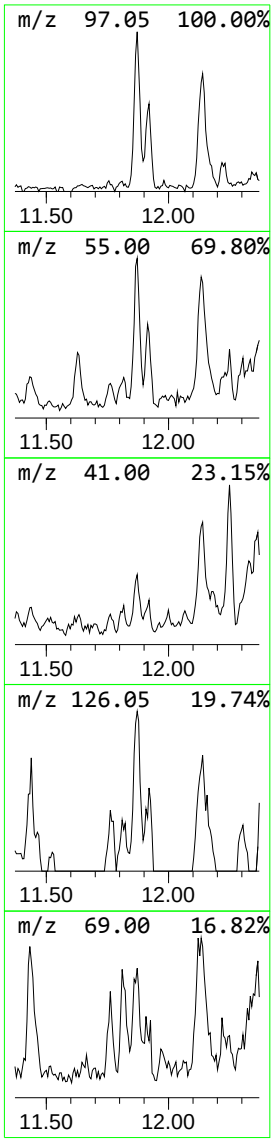
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic11.871 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.871	1.38 ug/L	23599	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
3	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	72
4	1H-Pyrazole, 4,5-dihydro-3-methy...	126	C7H14N2	026964-49-8	72
5	4-Hepten-3-one, 5-methyl-	126	C8H14O	001447-26-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

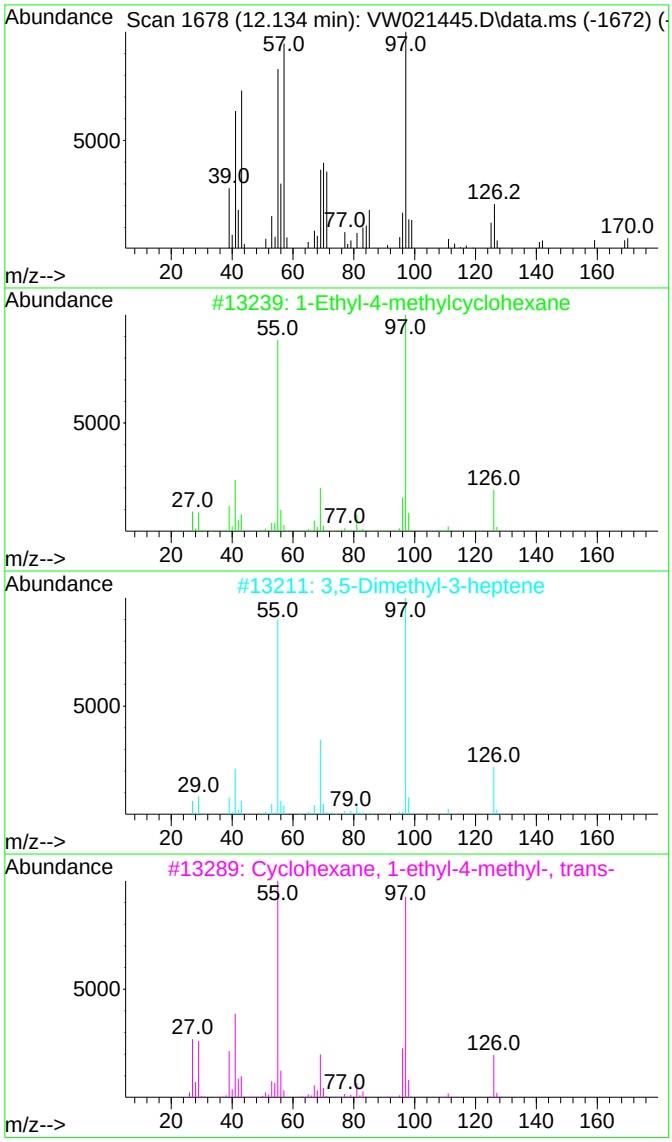
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

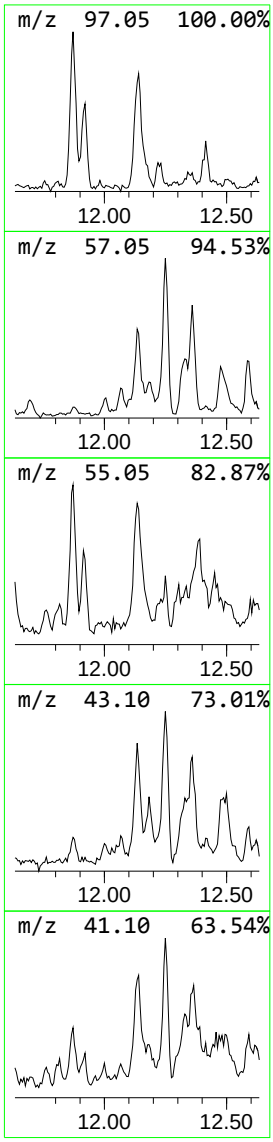
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic12.134 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	2.66 ug/L	45611	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	49
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	46
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	46
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	46
5	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

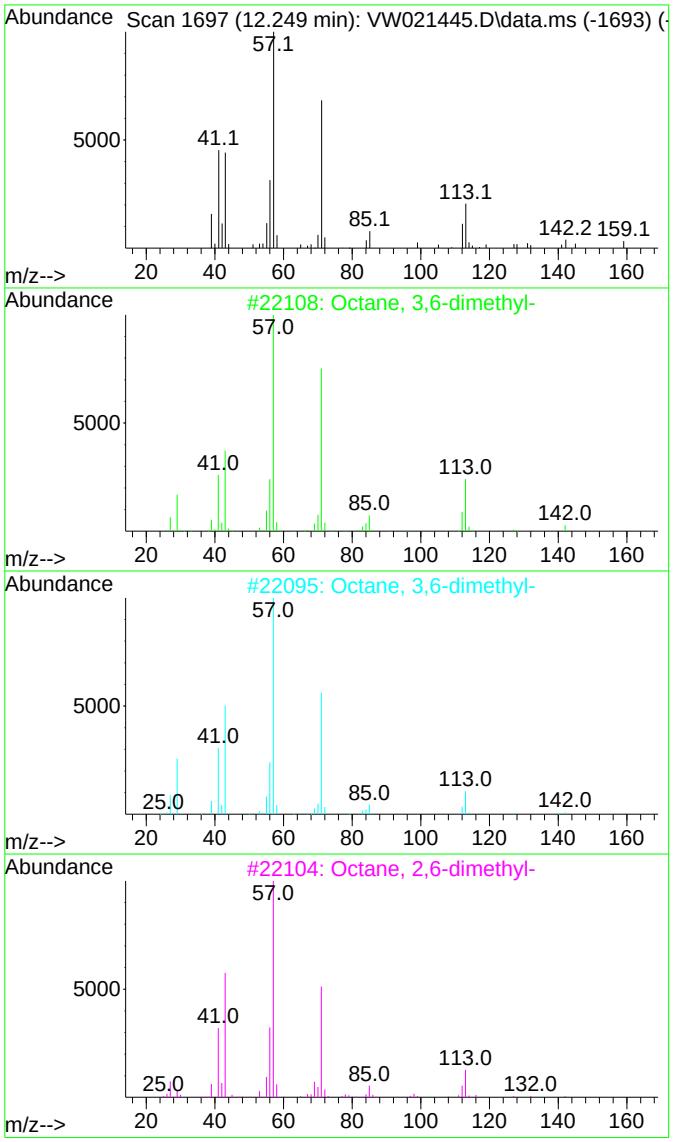
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

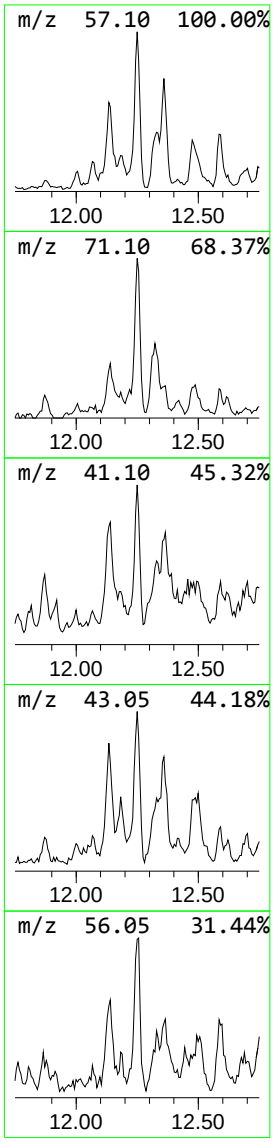
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	1.46 ug/L	25121	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

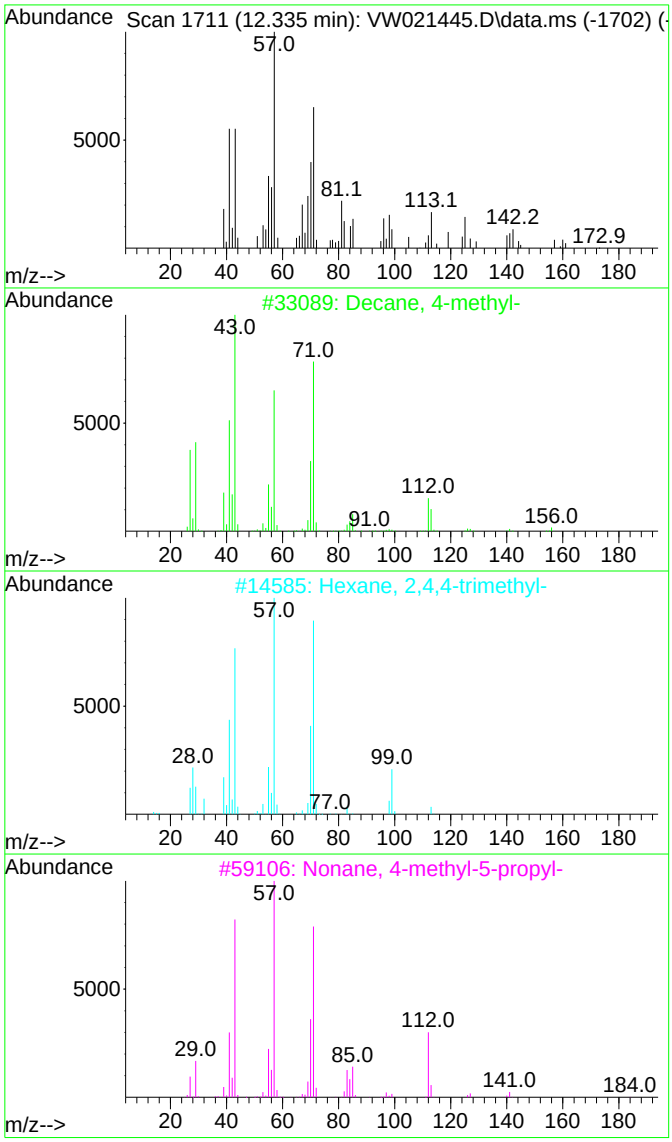
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

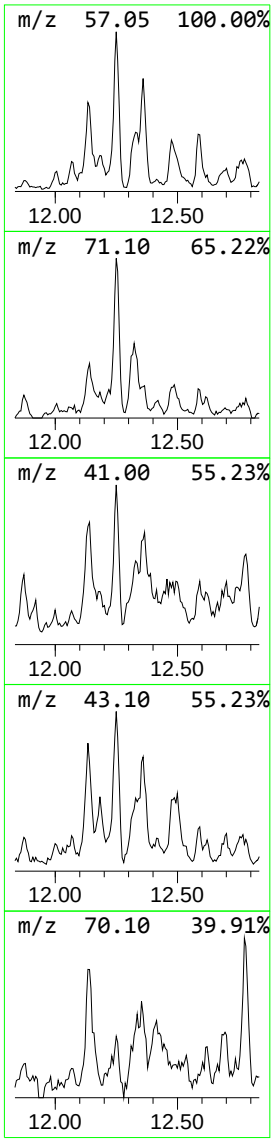
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	1.38 ug/L	23713	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	47
2	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	43
3	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	38
4	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	38
5	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000383-13-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

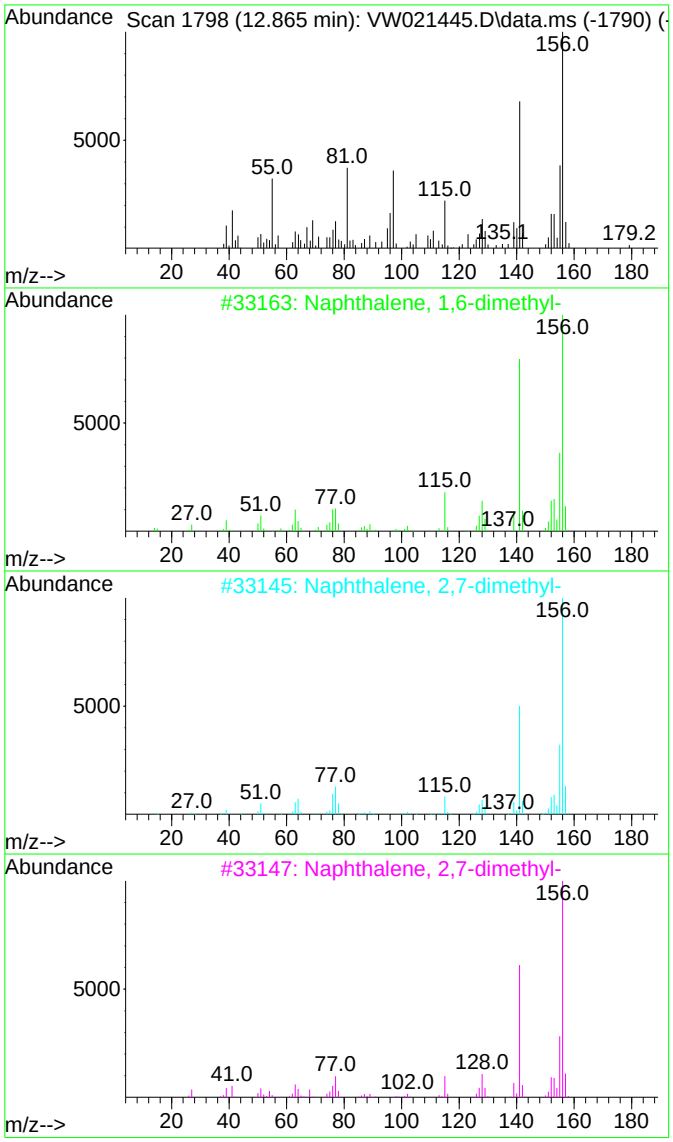
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

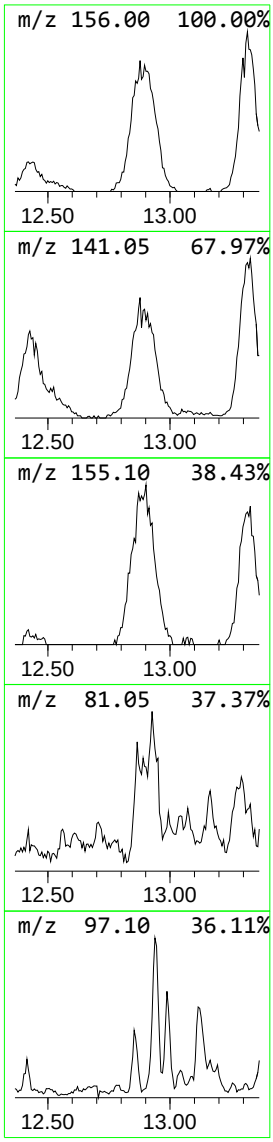
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	2.85 ug/L	59932	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

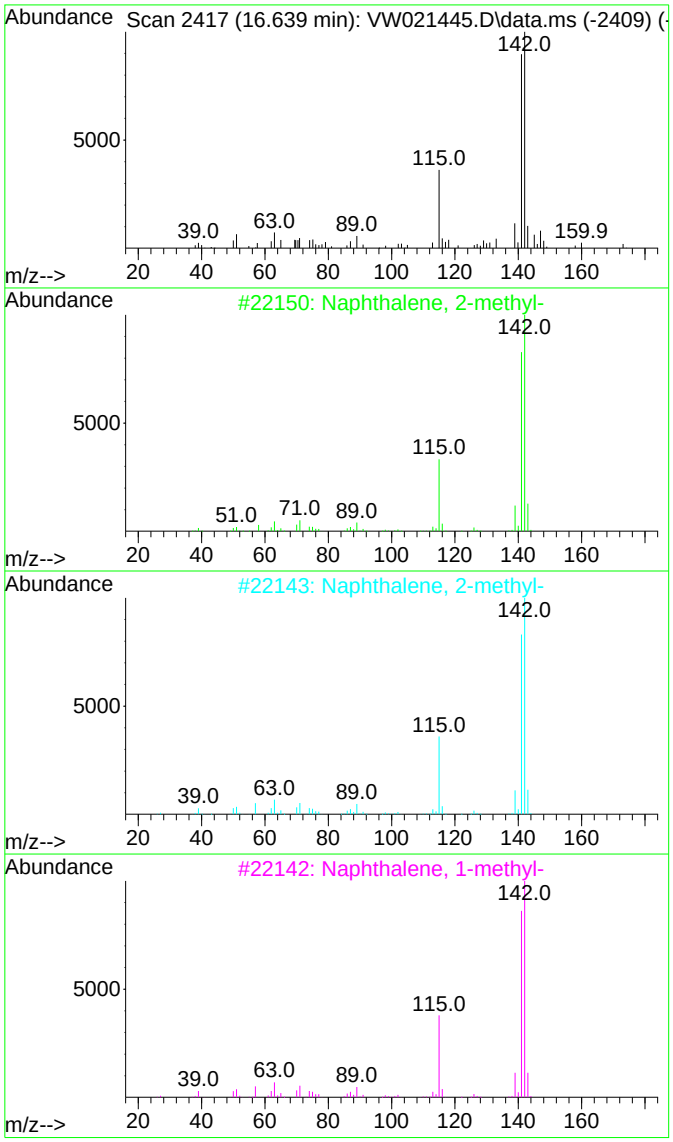
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

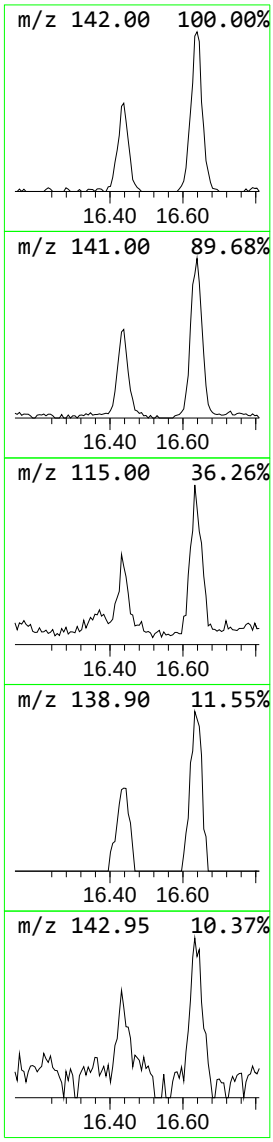
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,4-Methanonaphthalene, 1,4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	1.92 ug/L	40213	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021445.D
Acq On : 18 Dec 2021 01:15
Operator : SY/VA
Sample : M5153-13
Misc : 6.75g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL79

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: C...	11.871	1.4	ug/L	23599	2	11.628	428894	25.0
(DEL) Alkane: C...	12.134	2.7	ug/L	45611	2	11.628	428894	25.0
(DEL) Alkane: S...	12.249	1.5	ug/L	25121	2	11.628	428894	25.0
(DEL) Alkane: S...	12.335	1.4	ug/L	23713	2	11.628	428894	25.0
Naphthalene, 1,...	12.865	2.9	ug/L	59932	3	13.560	524861	25.0
1,4-Methanonaph...	16.639	1.9	ug/L	40213	3	13.560	524861	25.0