LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W090118S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.794	27	34	54	rVB	12497722	21916869	100.00%	20.304%
2	7.952	1037	1044	1052	rVB2	155085	408528	1.86%	0.378%
3	8.848	1182	1191	1202	rBV	177392	380099	1.73%	0.352%
4	9.342	1258	1272	1277	rBV	246451	606600	2.77%	0.562%
5	9.762	1334	1341	1351	rBV2	117067	240846	1.10%	0.223%
6	9.896	1351	1363	1369	rBV2	161169	363949	1.66%	0.337%
7	9.964	1369	1374	1378	rBV	134971	249656	1.14%	0.231%
8	10.104	1387	1397	1409	rBV	164391	417734	1.91%	0.387%
9	10.329	1427	1434	1438	rBV2	307598	613837	2.80%	0.569%
10	10.512	1457	1464	1470	rVB4	216291	448376	2.05%	0.415%
11	10.762	1498	1505	1511	rVV5	169621	417283	1.90%	0.387%
12	10.835	1511	1517	1525	rVB2	150607	359958	1.64%	0.333%
13	11.183	1570	1574	1578	rVB	172473	243235	1.11%	0.225%
14	11.238	1578	1583	1588	rVB	196588	343433	1.57%	0.318%
15	11.415	1604	1612	1624	rVB2	319935	953210	4.35%	0.883%
16	11.518	1624	1629	1634	rBV	344150	545906	2.49%	0.506%
17	11.634	1643	1648	1653	rBV	138656	242210	1.11%	0.224%
18	11.841	1673	1682	1686	rVV2	463179	1185668	5.41%	1.098%
19	11.878	1686	1688	1692	rVV	297386	449353	2.05%	0.416%
20	11.921	1692	1695	1700	rVB2	189470	314440	1.43%	0.291%
21	12.146	1724	1732	1734	rBV3	418277	820159	3.74%	0.760%
22	12.256	1746	1750	1755	rVB	310702	481675	2.20%	0.446%
23	12.347	1760	1765	1767	rBV2	247560	451275	2.06%	0.418%
24	12.475	1781	1786	1789	rBV3	169048	344502	1.57%	0.319%
25	12.548	1795	1798	1805	rVB	325191	588934	2.69%	0.546%
26	12.628	1806	1811	1813	rBV3	163688	254318	1.16%	0.236%
27	12.658	1813	1816	1820	rVB	223751	283495	1.29%	0.263%
28	12.792	1833	1838	1845	rVB3	385676	940675	4.29%	0.871%
29	12.872	1845	1851	1855	rBV2	709316	1250795	5.71%	1.159%
30	12.951	1855	1864	1870	rBV6	1144935	3007727	13.72%	2.786%
31	13.091	1882	1887	1889	rBV2	271396	485227	2.21%	0.450%
32	13.176	1897	1901	1907	rVB2	774899	1232118	5.62%	1.141%
33	13.256	1908	1914	1919	rBV	1360815	2205911	10.06%	2.044%
34	13.298	1919	1921	1925	rVB	218945	260658	1.19%	0.241%

LSC Area Percent Report

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Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W090118S.M
Title : SW846 8260

35	13.353	1926	1930	1932	rBV3	194220	287788	1.31%	0.267%
36	13.457	1941	1947	1950	rVV	1970323	3104914	14.17%	2.876%
37	13.506	1950	1955	1962	rVB	2949755	4975879	22.70%	4.610%
38	13.597	1966	1970	1973	rVB	451564	589531	2.69%	0.546%
39	13.634	1973	1976	1982	rVB3	321353	412291	1.88%	0.382%
40	13.725	1982	1991	1993	rBV4	584918	1272862	5.81%	1.179%
41	13.762	1993	1997	2000	rVV2	554613	746787	3.41%	0.692%
42	13.798	2000	2003	2007	rVB2	540657	701076	3.20%	0.649%
43	13.884	2012	2017	2022	rBV2	1760081	3005449	13.71%	2.784%
44	13.926	2022	2024	2027	rVB2	190563	221447	1.01%	0.205%
45	14.024	2036	2040	2041	rBV	416862	513284	2.34%	0.476%
46	14.103	2049	2053	2057	rVB	1608252	2280560	10.41%	2.113%
47	14.213	2066	2071	2076	rBV3	1288157	2224653	10.15%	2.061%
48	14.274	2076	2081	2087	rBV7	590603	1164435	5.31%	1.079%
49	14.359	2087	2095	2096	rBV4	787521	1705253	7.78%	1.580%
50	14.396	2097	2101	2104	rBV2	1576313	2276962	10.39%	2.109%
51	14.512	2116	2120	2123	rBV3	1009960	1519426	6.93%	1.408%
52	14.554	2123	2127	2132	rVV7	1166875	1993266	9.09%	1.847%
53	14.609	2133	2136	2140	rVB5	532207	839932	3.83%	0.778%
54	14.701	2148	2151	2153	rBV2	519117	762188	3.48%	0.706%
55	14.737	2153	2157	2163	rVB2	1974301	3134297	14.30%	2.904%
56	14.810	2163	2169	2173	rBV3	2316930	5442512	24.83%	5.042%
57	14.859	2173	2177	2184	rVB3	2383326	5236048	23.89%	4.851%
58	14.981	2192	2197	2200	rBV3	1347702	2511479	11.46%	2.327%
59	15.072	2208	2212	2217	rBV4	1677190	2780397	12.69%	2.576%
60	15.176	2225	2229	2235	rBV7	1195772	2352561	10.73%	2.179%
61	15.341	2252	2256	2262	rVB2	1999549	3355404	15.31%	3.109%
62	15.432	2263	2271	2276	rBV7	1662446	5414531	24.70%	5.016%
63	15.877	2340	2344	2355	rVB6	1809242	3807422	17.37%	3.527%

Sum of corrected areas: 107941293

LSC Report - Integrated Chromatogram

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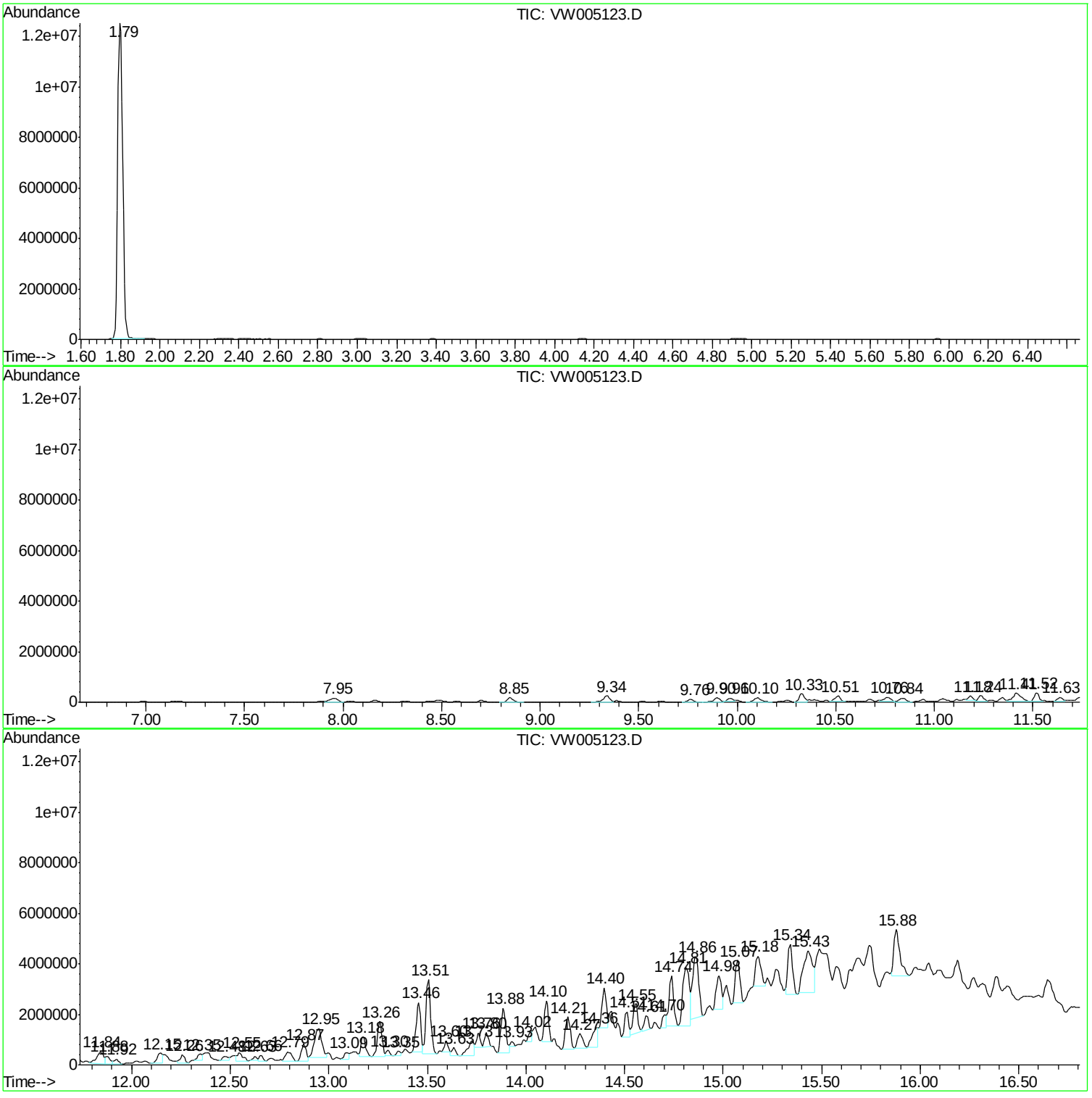
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

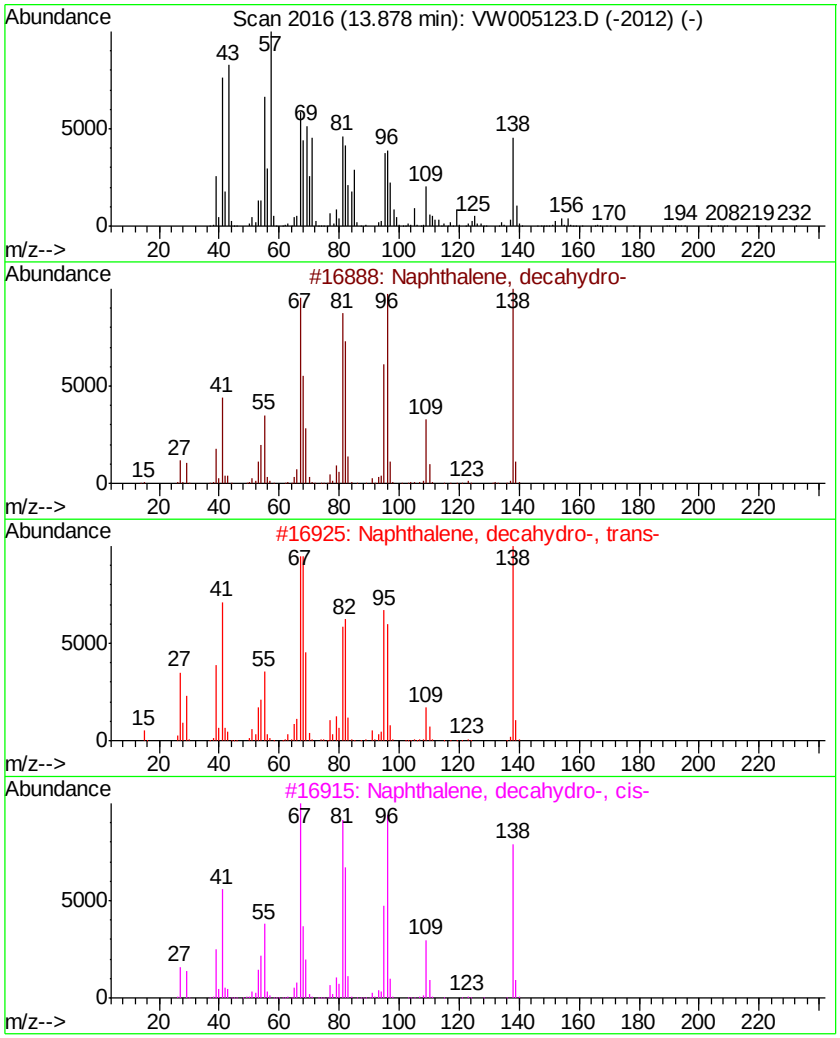
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

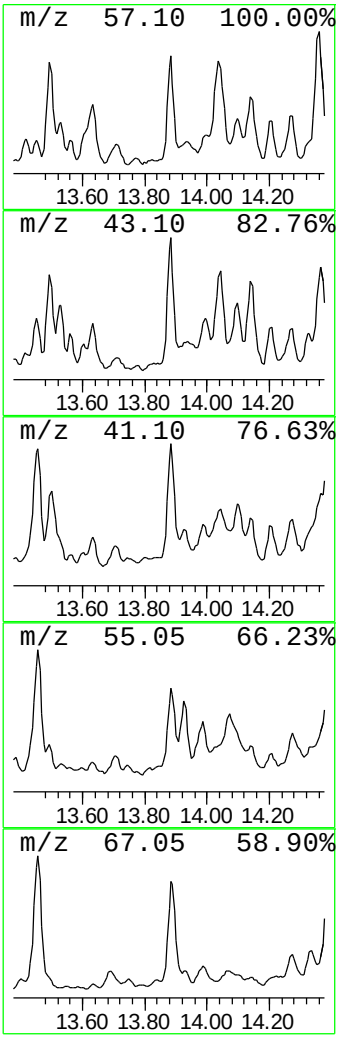
****

Peak Number 2 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	254.90 ug/l	3005450	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
4	Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	60
5	6-Octen-1-ol, 3,7-dimethyl-, (R)-	156	C10H20O	001117-61-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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

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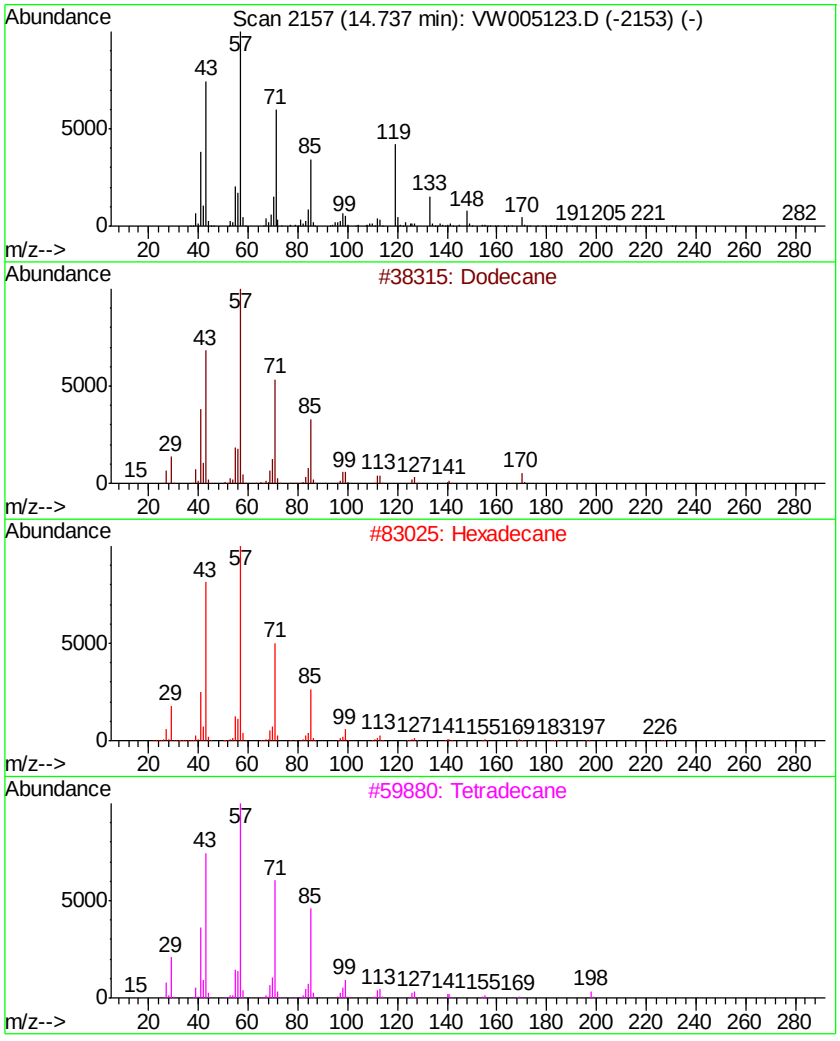
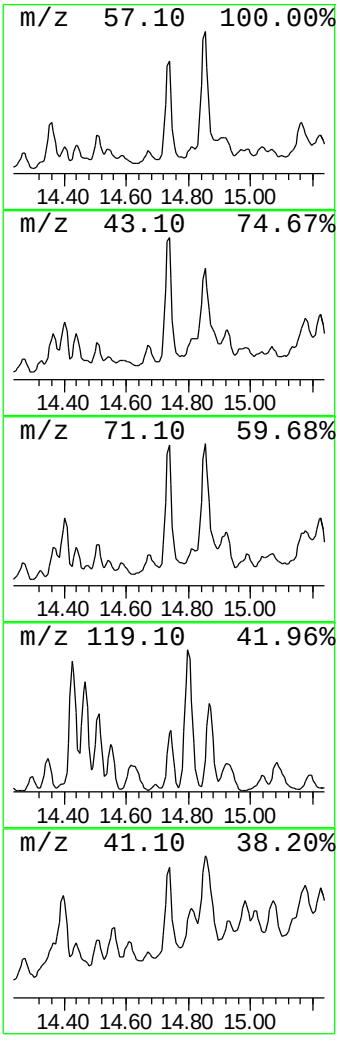
Peak Number 3 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	265.83 ug/l	3134300	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	78
2	Hexadecane	226	C16H34	000544-76-3	46
3	Tetradecane	198	C14H30	000629-59-4	46
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43
5	Tridecane	184	C13H28	000629-50-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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

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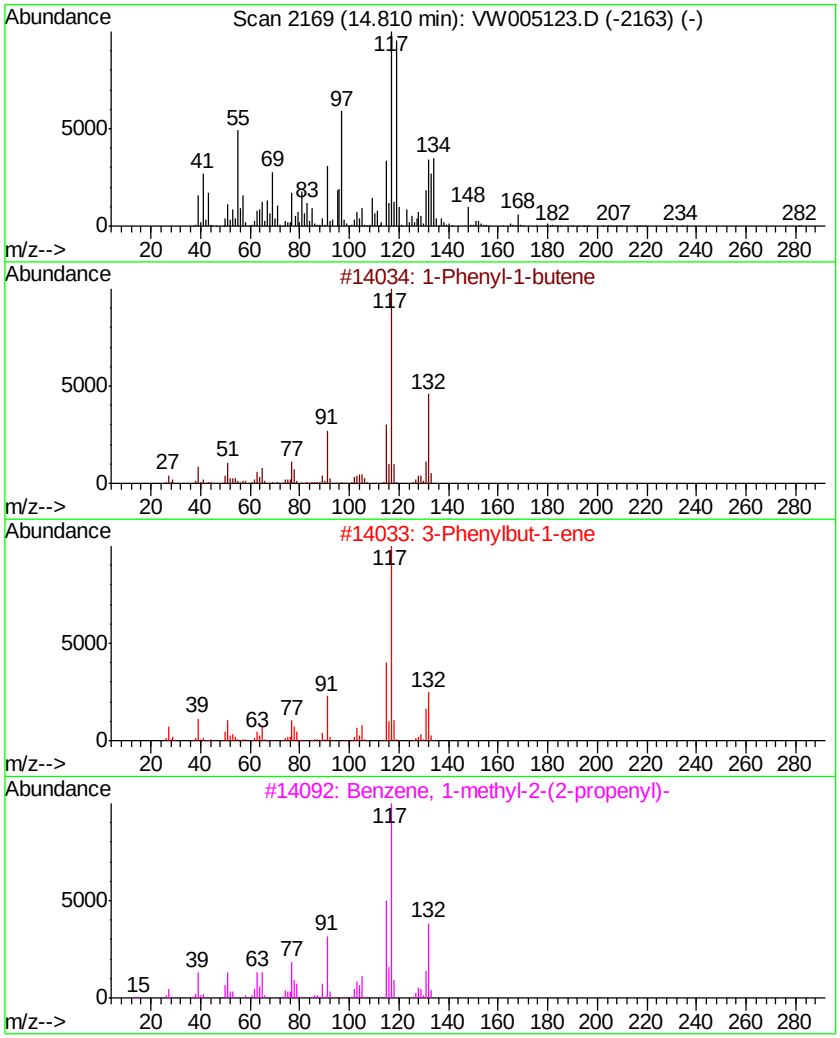
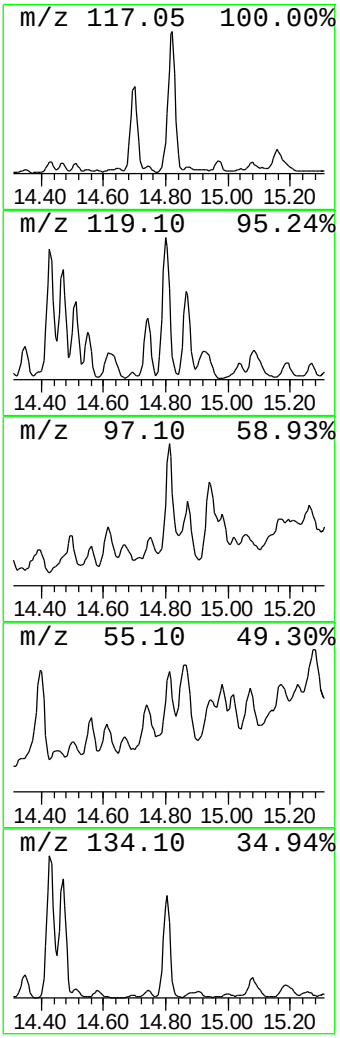
Peak Number 4 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	461.60 ug/l	5442510	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	80
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	49
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	49
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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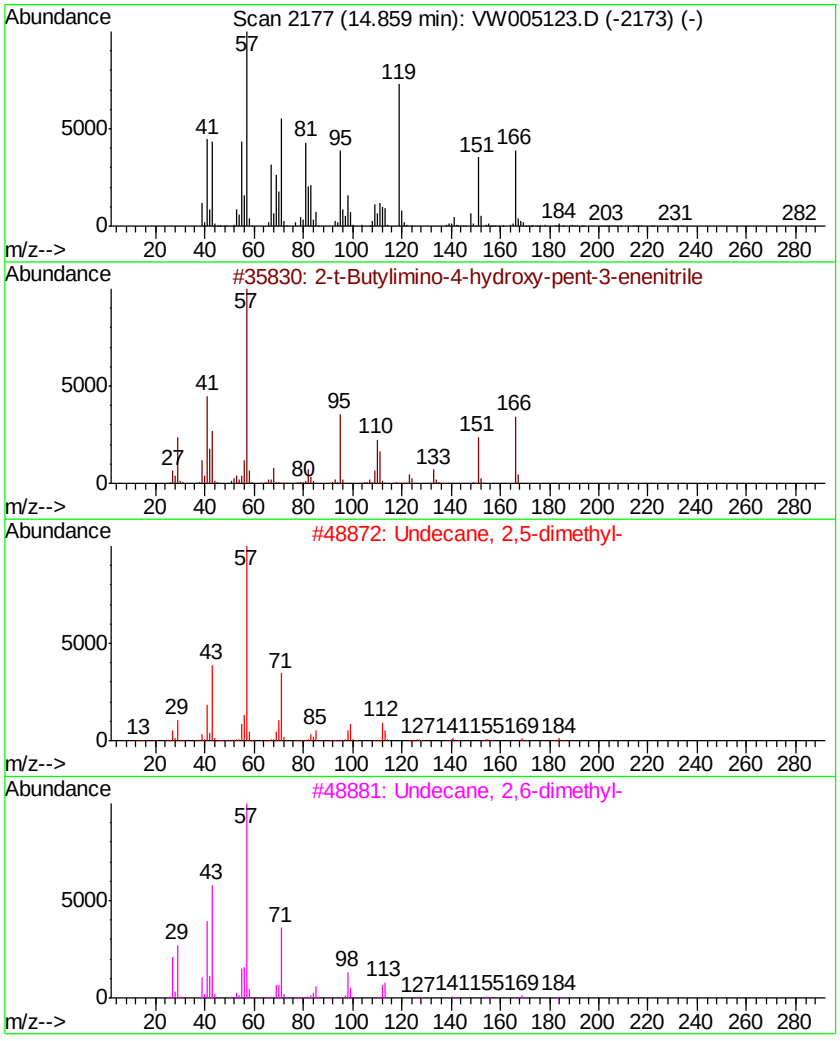
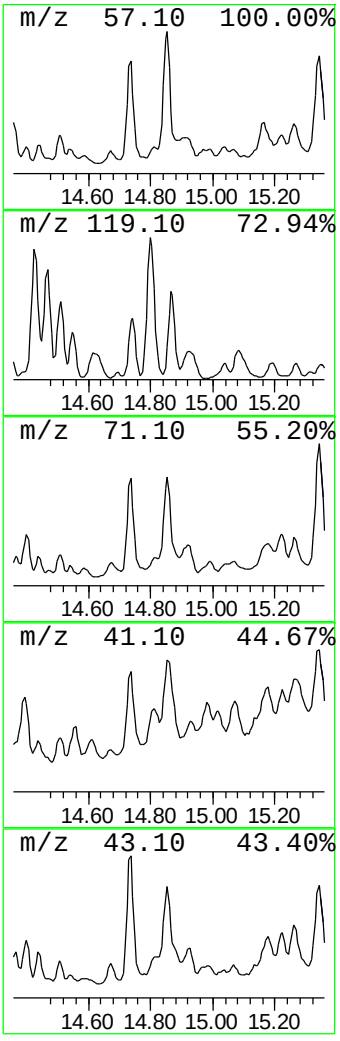
****

Peak Number 5 unknown14.86 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	444.09 ug/l	5236050	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-t-Butylimino-4-hydroxy-pent-3-...	166	C9H14N2O	1000186-22-1	35
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	25
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25
4	(+)-Isomenthol	156	C10H20O	1000152-08-3	22
5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000490-99-3	22





Library Search Compound Report

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Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

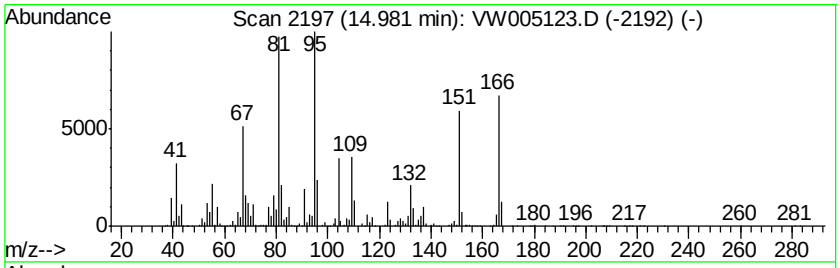
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

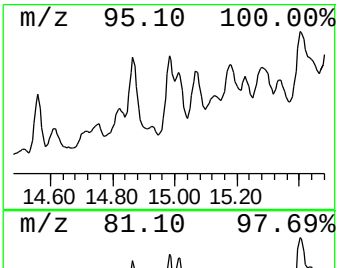
****

Peak Number 6 Naphthalene, decahydro-2,6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	213.01 ug/l	2511480	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	81
2	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	78
3	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	76
4	trans,trans-1,8-Dimethylspiro[4....	166	C12H22	1000111-72-8	68
5	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	49





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Sample : J4726-01
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ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

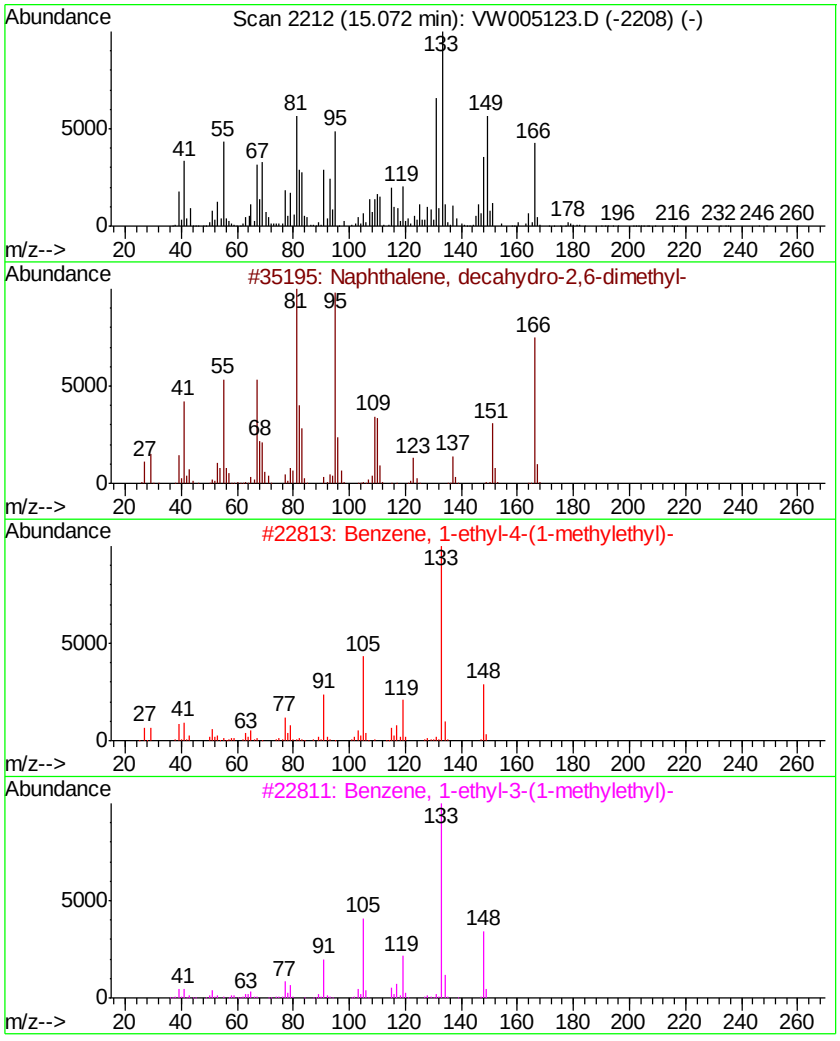
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

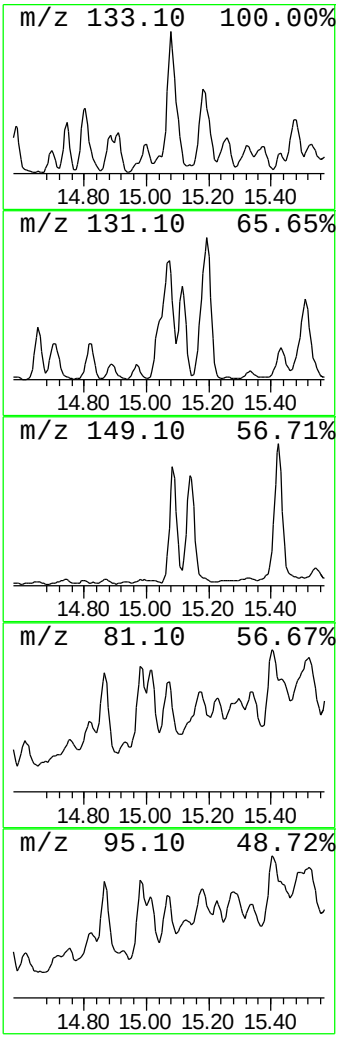
****

Peak Number 7 unknown15.07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	235.81 ug/l	2780400	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	35
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	30
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	30
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	25
5	1,3-Diisopropoxy-1,3-dimethyl-1,...	232	C10H24O2Si2	198066-66-9	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

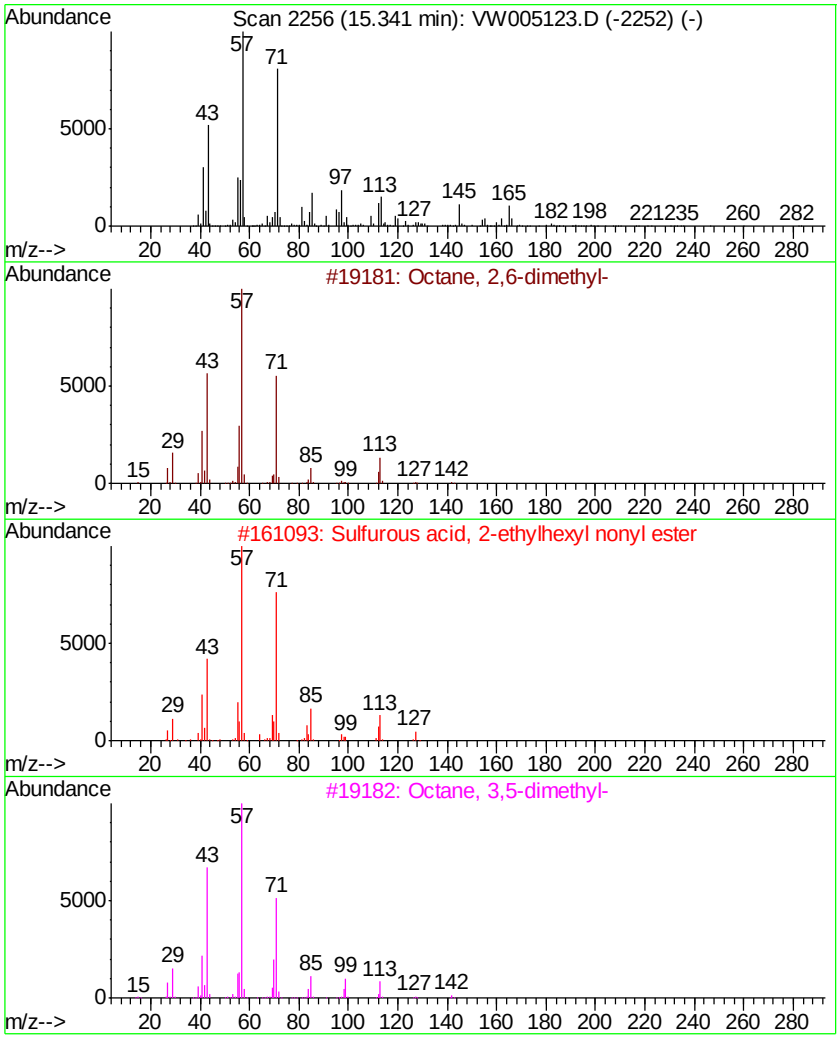
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

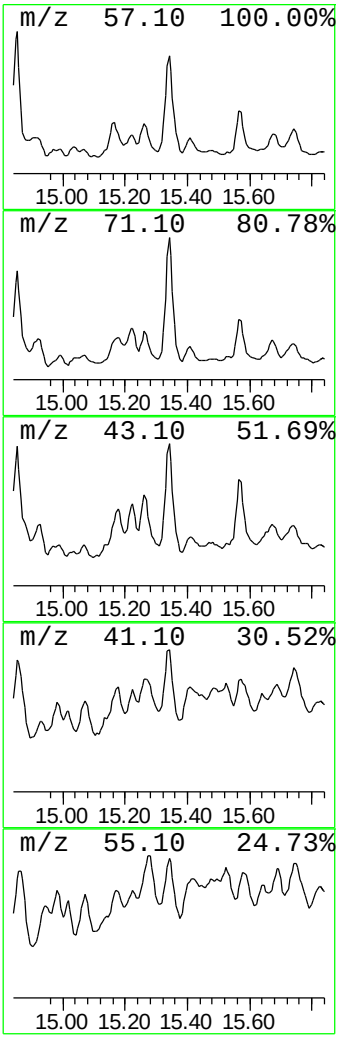
****

Peak Number 8 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	284.58 ug/l	3355400	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	59
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	53





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Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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

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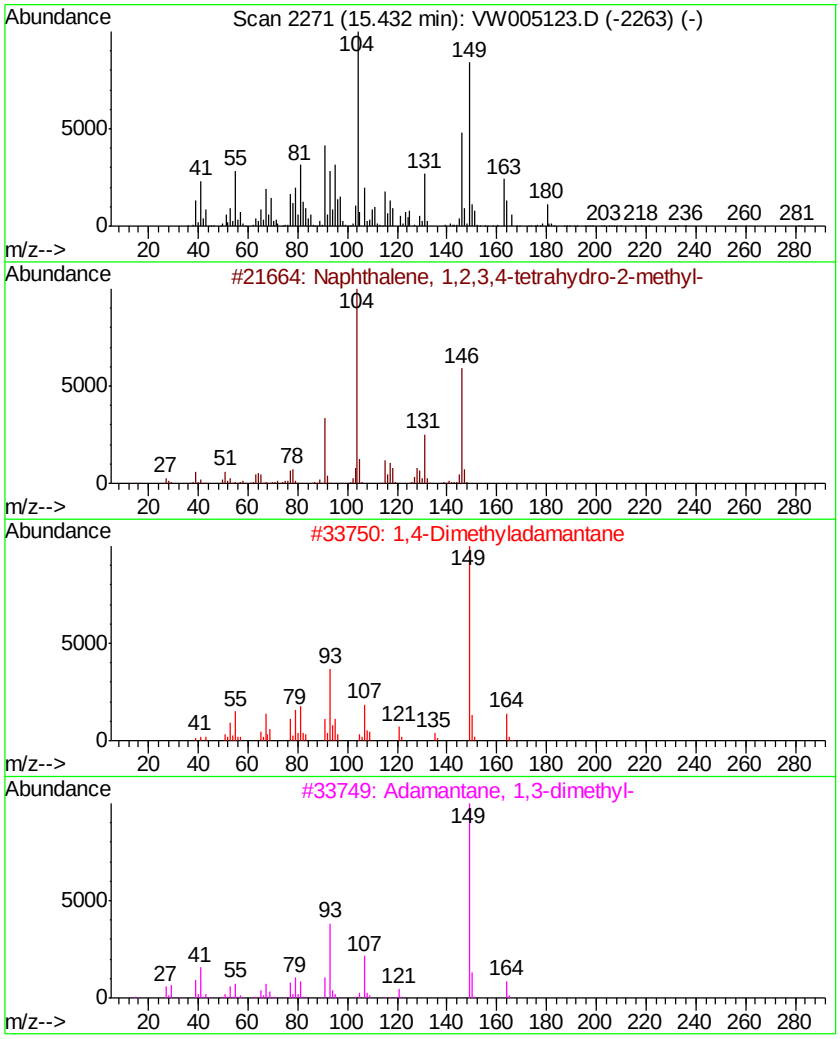
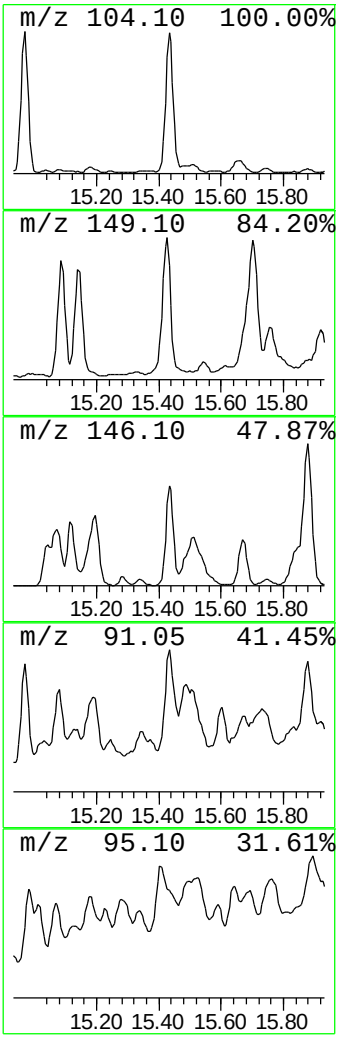
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	459.22 ug/l	5414530	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	60
2	1,4-Dimethyladamantane	164	C12H20	024145-89-9	38
3	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	30
4	1,4-Dimethyladamantane	164	C12H20	024145-88-8	25
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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

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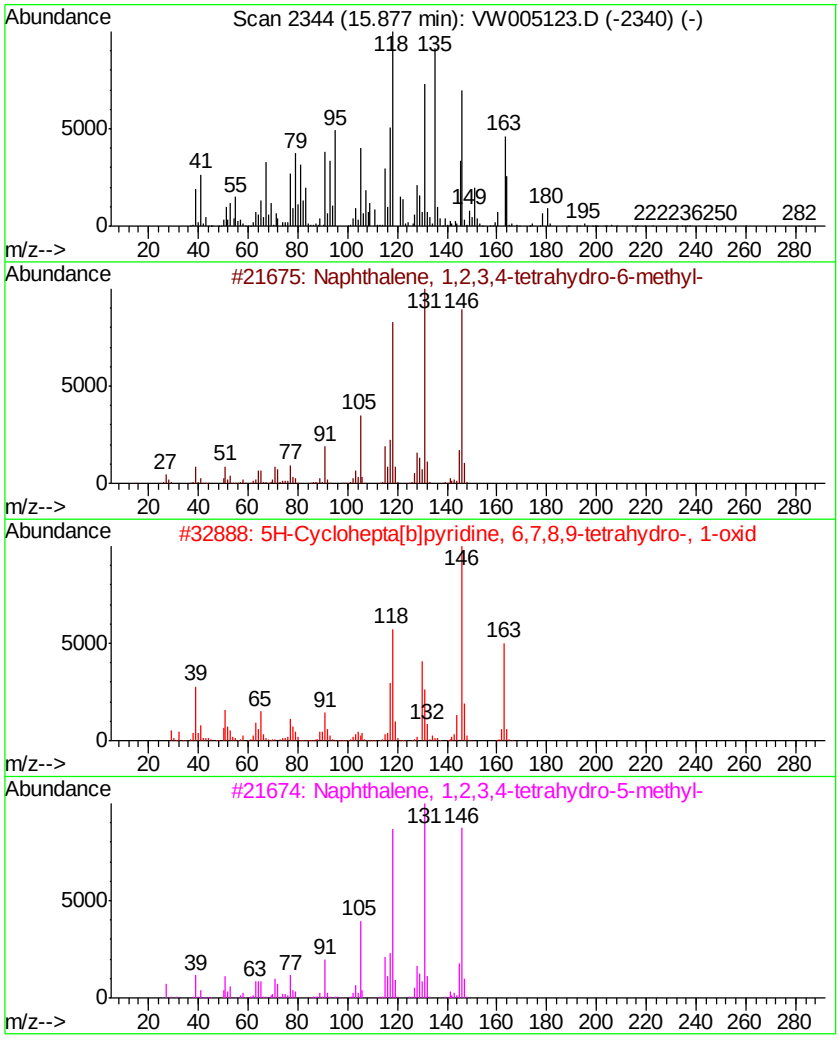
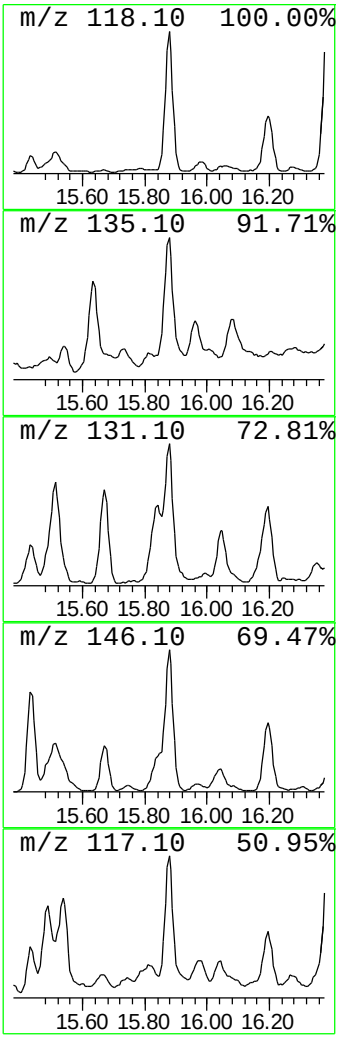
Peak Number 10 unknown15.88 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	322.92 ug/l	3807420	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	46
2	5H-Cyclohepta[b]pyridine, 6,7,8,...	163	C10H13NO	041043-09-8	43
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	41
4	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090418\
Data File : VW005123.D
Acq On : 05 Sep 2018 11:29
Operator : SY/AP
Sample : J4726-01
Misc : 7.27G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KG-SLUDGE-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, deca...	13.88	254.9	ug/l	3005450	4	13.57	589531	50.0
Dodecane	14.74	265.8	ug/l	3134300	4	13.57	589531	50.0
1-Phenyl-1-butene	14.81	461.6	ug/l	5442510	4	13.57	589531	50.0
unknown14.86	14.86	444.1	ug/l	5236050	4	13.57	589531	50.0
Naphthalene, deca...	14.98	213.0	ug/l	2511480	4	13.57	589531	50.0
unknown15.07	15.07	235.8	ug/l	2780400	4	13.57	589531	50.0
Octane, 2,6-dimet...	15.34	284.6	ug/l	3355400	4	13.57	589531	50.0
Naphthalene, 1,2,...	15.43	459.2	ug/l	5414530	4	13.57	589531	50.0
unknown15.88	15.88	322.9	ug/l	3807420	4	13.57	589531	50.0