LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

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_D\Method\82D022621S.M
Title : SW846 8260

Signal : TIC: VD068658.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.162	374	381	393	rVB4	5427	17143	1.21%	0.142%
2	4.962	505	517	530	rBV4	17803	55955	3.95%	0.463%
3	7.914	1007	1019	1025	rBV	194066	480314	33.93%	3.978%
4	7.979	1025	1030	1042	rVB	303826	680549	48.07%	5.637%
5	8.332	1077	1090	1101	rBV	158746	362218	25.58%	3.000%
6	8.867	1173	1181	1190	rBV	500785	996532	70.39%	8.254%
7	10.344	1423	1432	1440	rBV	774598	1415760	100.00%	11.727%
8	10.720	1489	1496	1504	rBV2	53460	99681	7.04%	0.826%
9	11.085	1553	1558	1564	rVB2	12344	18264	1.29%	0.151%
10	11.644	1644	1653	1663	rBV	713105	1214752	85.80%	10.062%
11	11.855	1682	1689	1694	rBV3	18433	35951	2.54%	0.298%
12	12.179	1738	1744	1753	rBV4	14705	25995	1.84%	0.215%
13	12.632	1813	1821	1830	rVB	579242	939859	66.39%	7.785%
14	12.879	1857	1863	1867	rBV2	19999	36885	2.61%	0.306%
15	12.955	1872	1876	1881	rVB	32324	52983	3.74%	0.439%
16	13.120	1896	1904	1908	rBV4	11572	21573	1.52%	0.179%
17	13.267	1924	1929	1933	rBV	34634	53257	3.76%	0.441%
18	13.455	1954	1961	1965	rBV7	12699	27340	1.93%	0.226%
19	13.573	1973	1981	1991	rVV	701157	1188914	83.98%	9.848%
20	13.773	2007	2015	2018	rBV3	28582	56238	3.97%	0.466%
21	13.808	2018	2021	2029	rVB4	29931	51413	3.63%	0.426%
22	13.890	2031	2035	2041	rBV3	81597	139526	9.86%	1.156%
23	14.055	2061	2063	2066	rVV3	21901	29317	2.07%	0.243%
24	14.114	2068	2073	2079	rVB2	45957	79760	5.63%	0.661%
25	14.220	2086	2091	2096	rBV5	73630	138658	9.79%	1.149%
26	14.279	2096	2101	2107	rBV8	37600	76252	5.39%	0.632%
27	14.355	2108	2114	2117	rBV6	52672	105321	7.44%	0.872%
28	14.402	2117	2122	2126	rBV3	114570	197608	13.96%	1.637%
29	14.473	2132	2134	2138	rVB	54260	68510	4.84%	0.567%
30	14.520	2138	2142	2145	rBV6	50949	82354	5.82%	0.682%
31	14.567	2146	2150	2154	rVV5	75622	122409	8.65%	1.014%
32	14.626	2155	2160	2164	rVV6	52160	88692	6.26%	0.735%
33	14.708	2170	2174	2176	rBV2	39890	56575	4.00%	0.469%
34	14.749	2178	2181	2187	rVB5	99855	165267	11.67%	1.369%
35	14.826	2187	2194	2199	rBV4	207803	484125	34.20%	4.010%
36	14.873	2199	2202	2208	rVB6	129848	239399	16.91%	1.983%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

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_D\Method\82D022621S.M
Title : SW846 8260

37	14.985	2215	2221	2225	rBV3	193696	347503	24.55%	2.878%
38	15.090	2234	2239	2243	rBV5	125004	226610	16.01%	1.877%
39	15.208	2253	2259	2264	rVB3	104445	245698	17.35%	2.035%
40	15.361	2281	2285	2290	rBV7	64638	115772	8.18%	0.959%
41	15.455	2297	2301	2305	rVB3	113503	184325	13.02%	1.527%
42	15.508	2306	2310	2311	rBV4	67118	84036	5.94%	0.696%
43	15.908	2372	2378	2386	rBV5	203077	402358	28.42%	3.333%
44	16.226	2426	2432	2439	rVB4	158226	333502	23.56%	2.762%
45	16.420	2461	2465	2472	rBV2	119738	227743	16.09%	1.886%

Sum of corrected areas: 12072896

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Acq On : 18 Mar 2021 17:02
Operator : VA/SY
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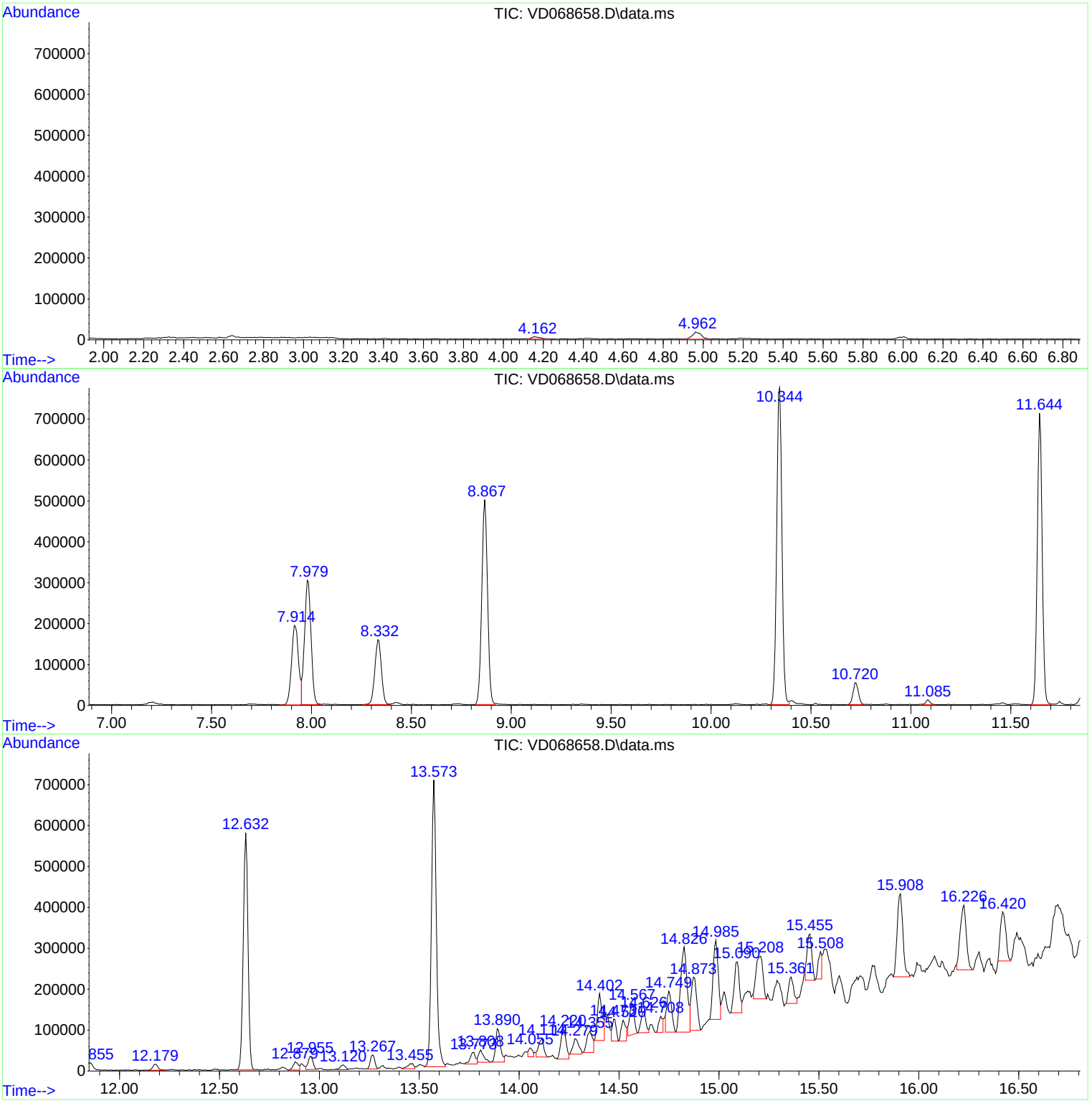
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
26207

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

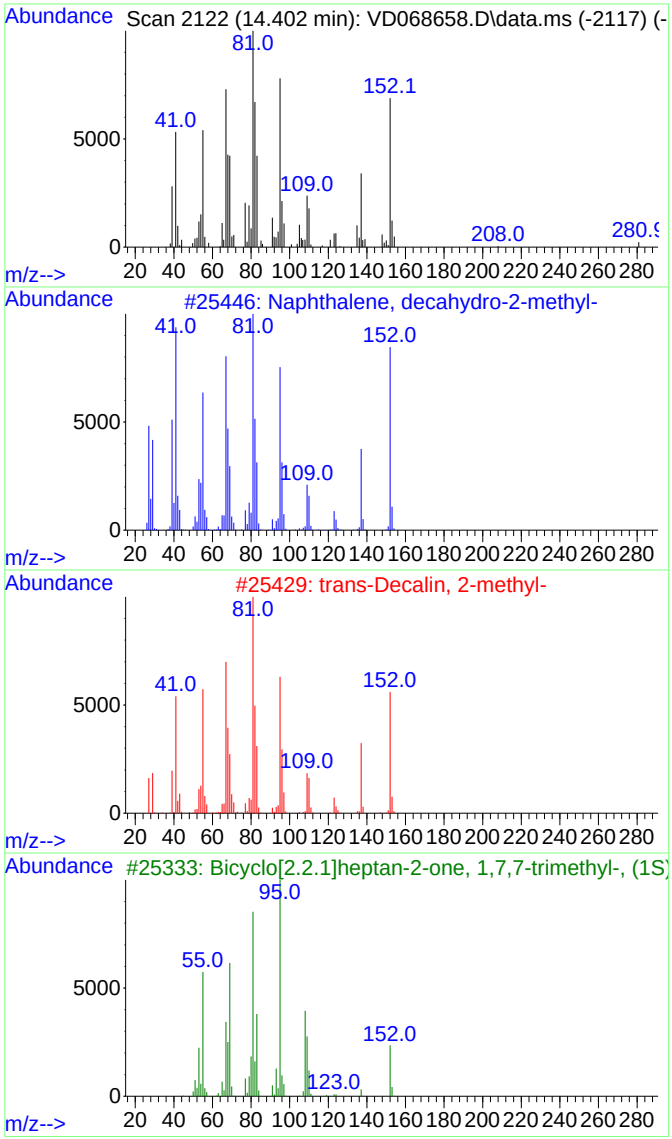
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

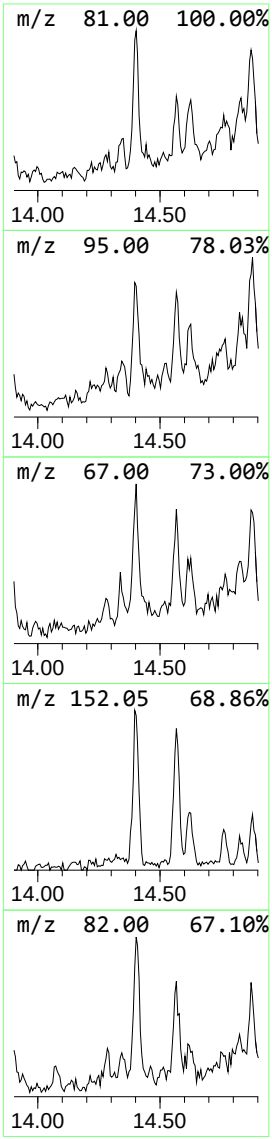
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, decahydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.402	8.31 ug/l	197608	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74
4	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	68
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

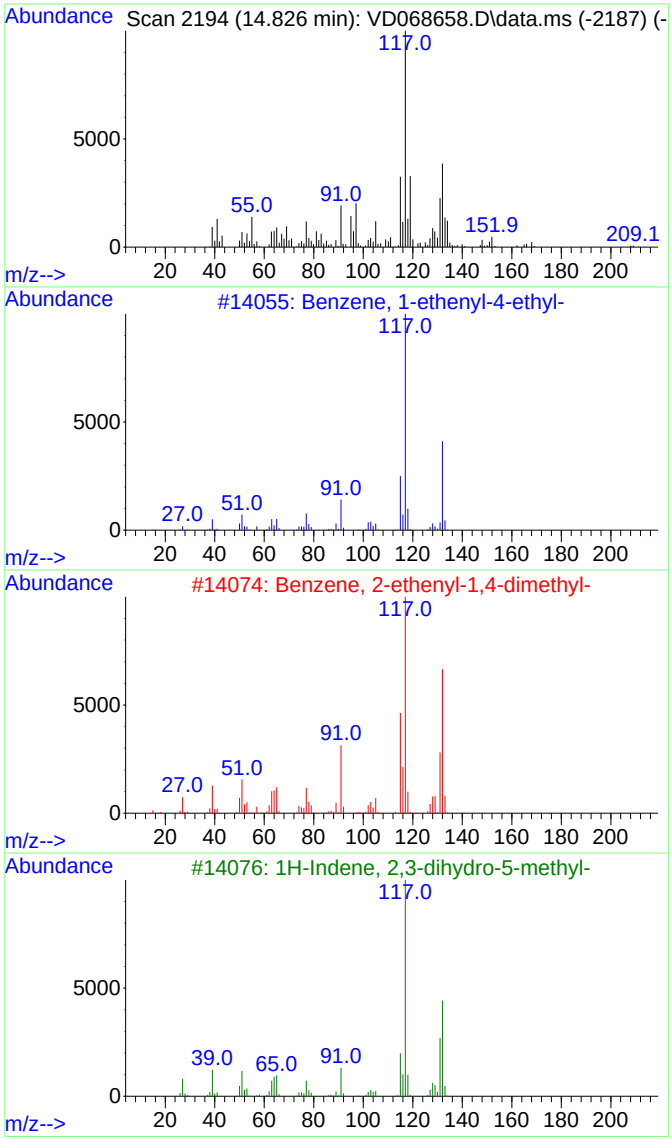
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

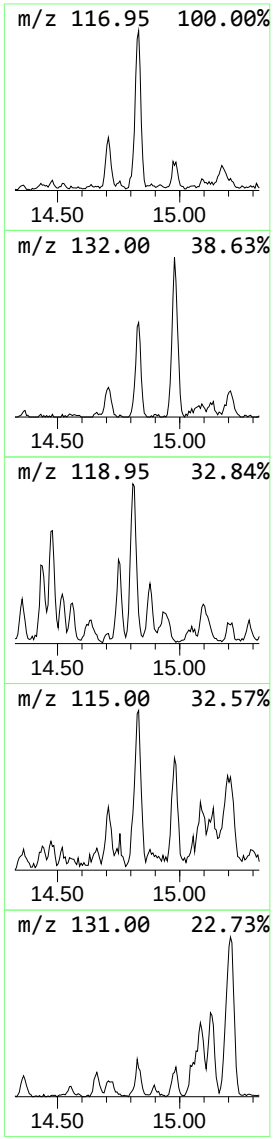
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.826	20.36 ug/l	484125	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	92
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	68
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

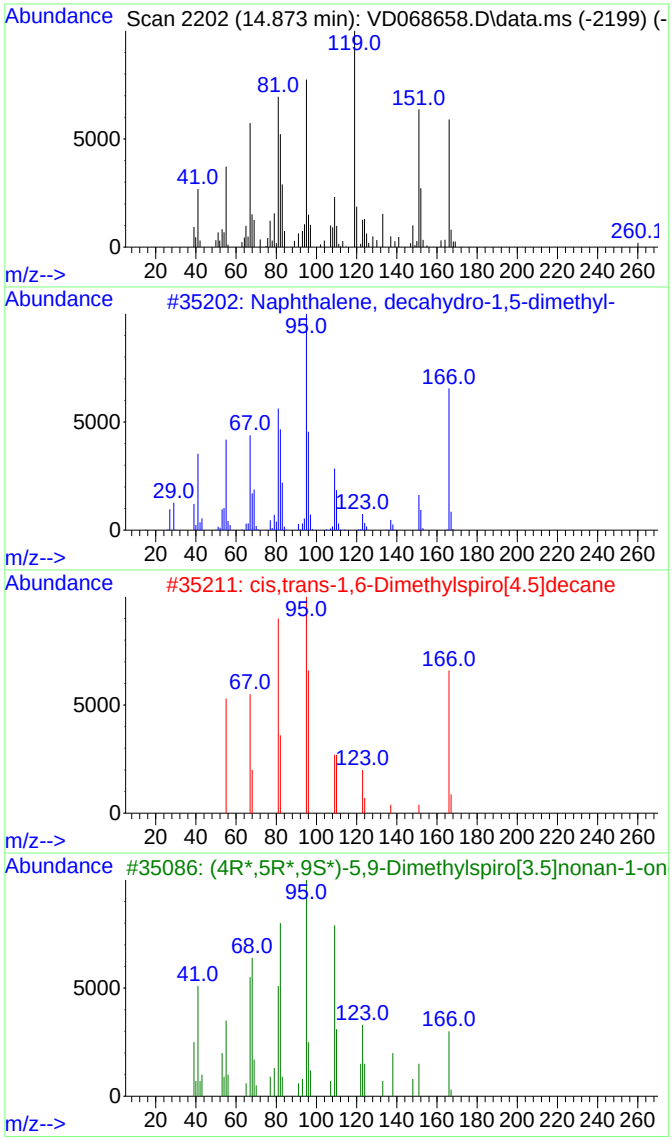
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

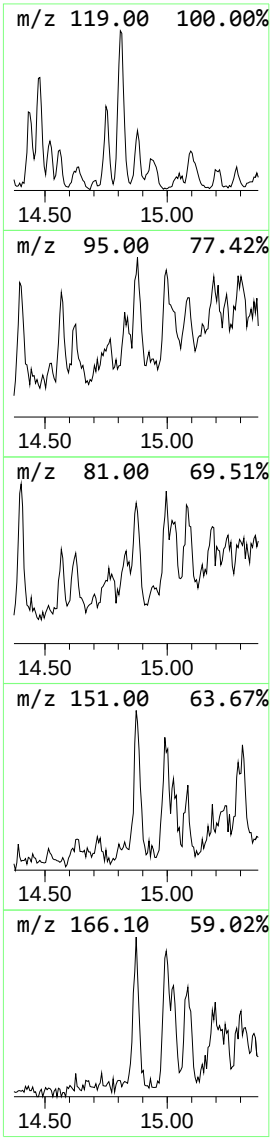
****

Peak Number 3 unknown14.873 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.873	10.07 ug/l	239399	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	49
2	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	46
3	(4R*,5R*,9S*)-5,9-Dimethylspiro[...	166	C11H18O	063088-19-7	46
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	45
5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

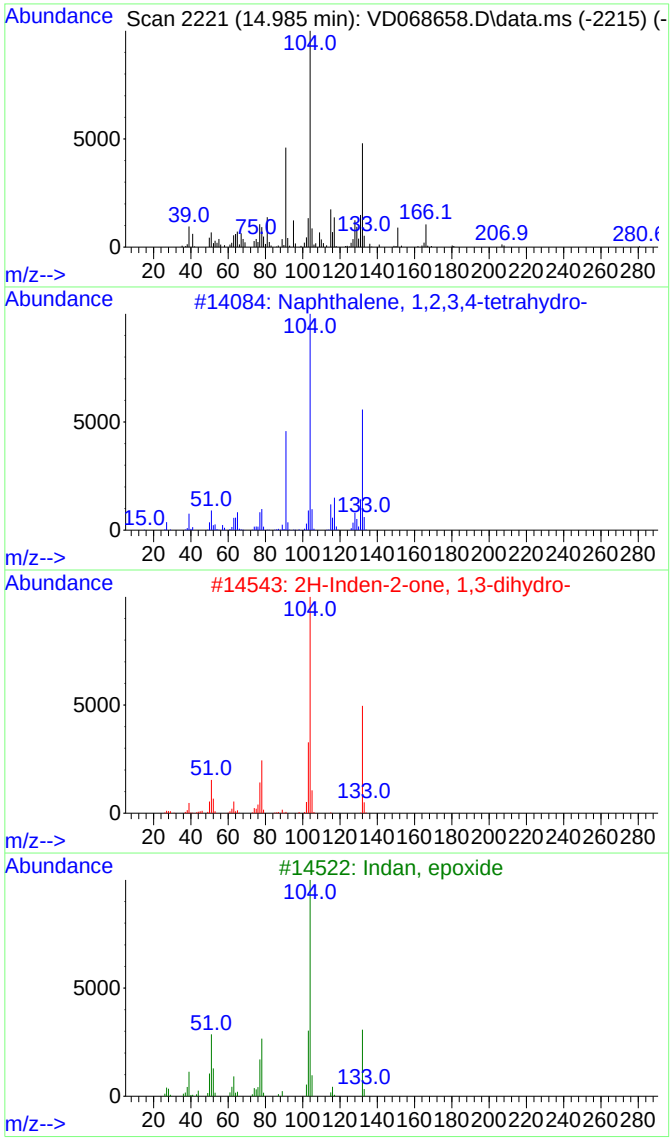
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

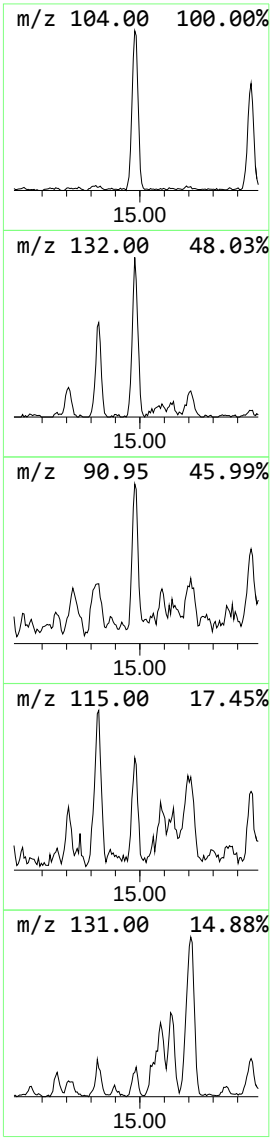
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.985	14.61 ug/l	347503	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49
3	Indan, epoxide	132	C9H8O	000768-22-9	49
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	47
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

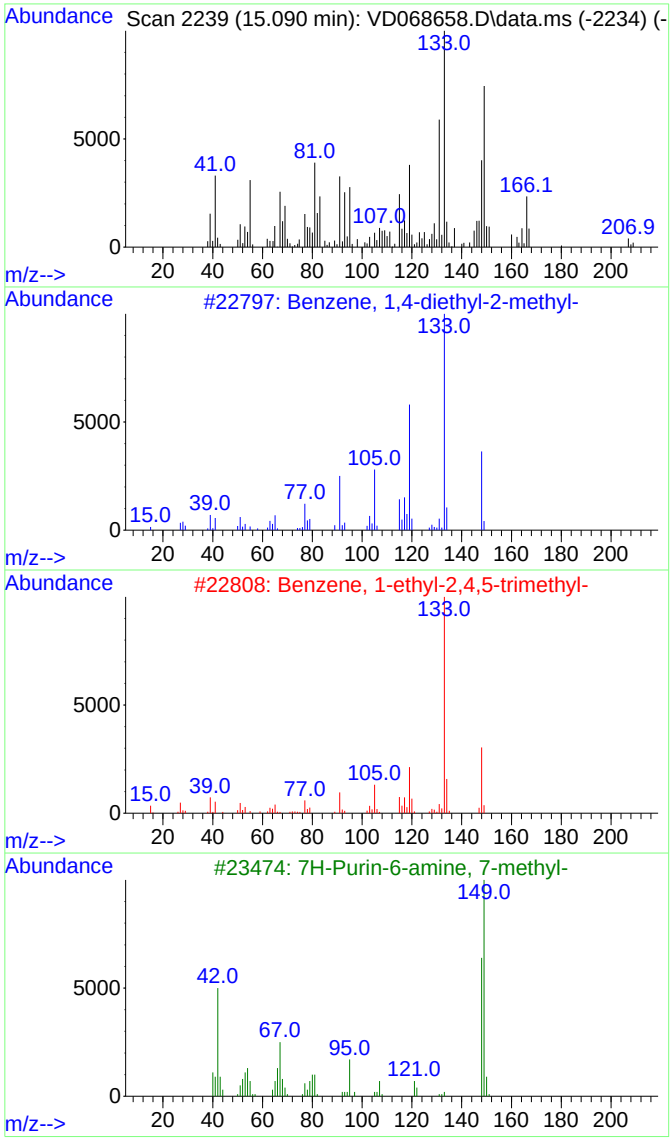
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

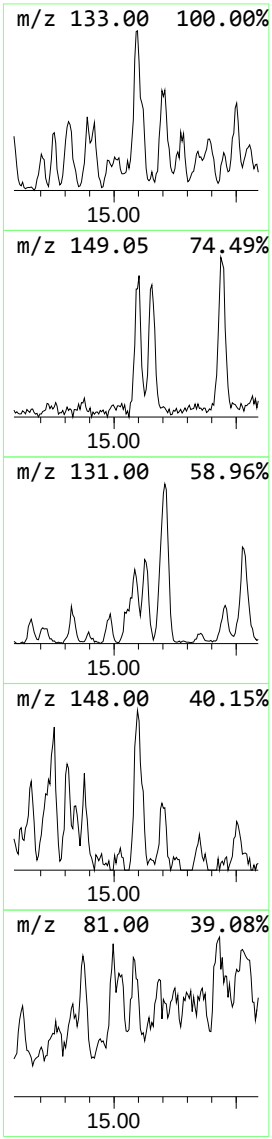
****

Peak Number 5 unknown15.090 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.090	9.53 ug/l	226610	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	46
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	38
3	7H-Purin-6-amine, 7-methyl-	149	C6H7N5	000935-69-3	30
4	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	30
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

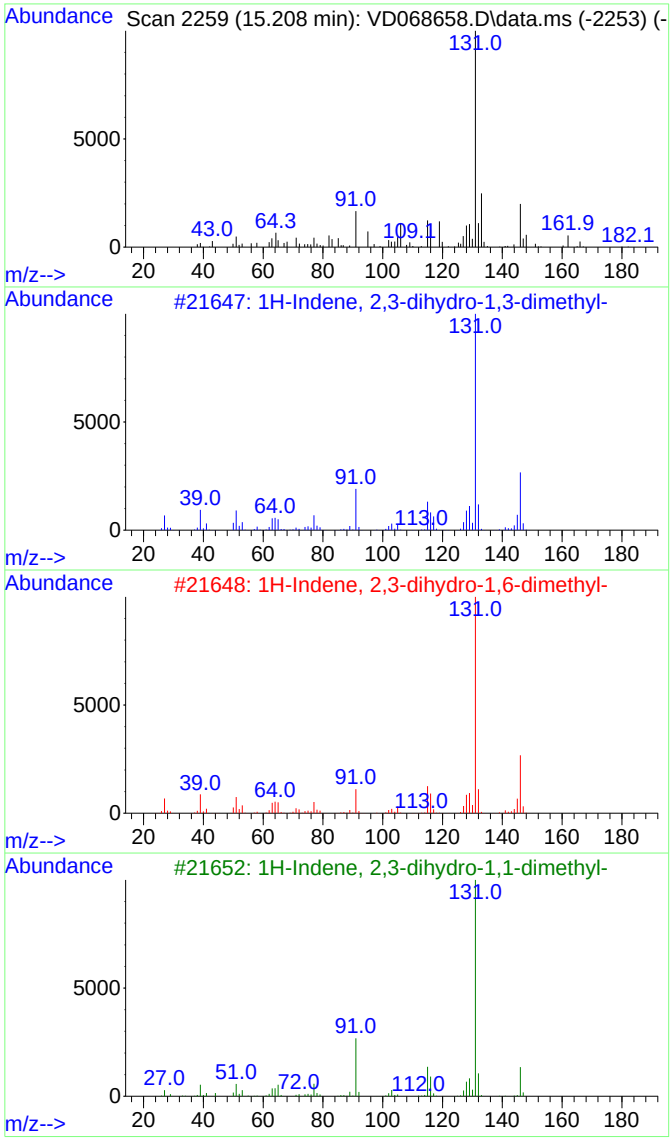
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

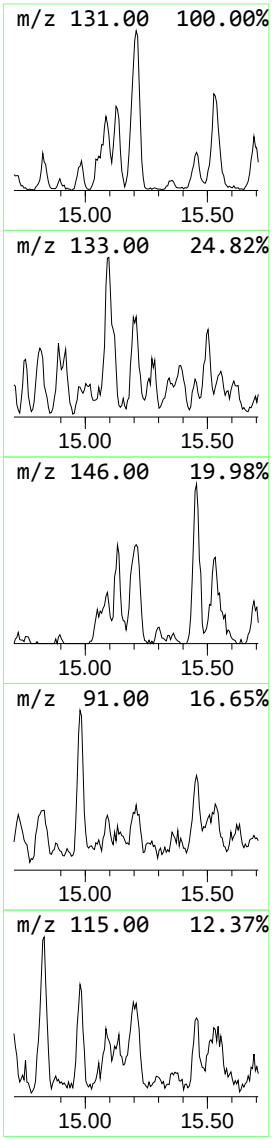
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.208	10.33 ug/l	245698	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	70
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	64





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Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

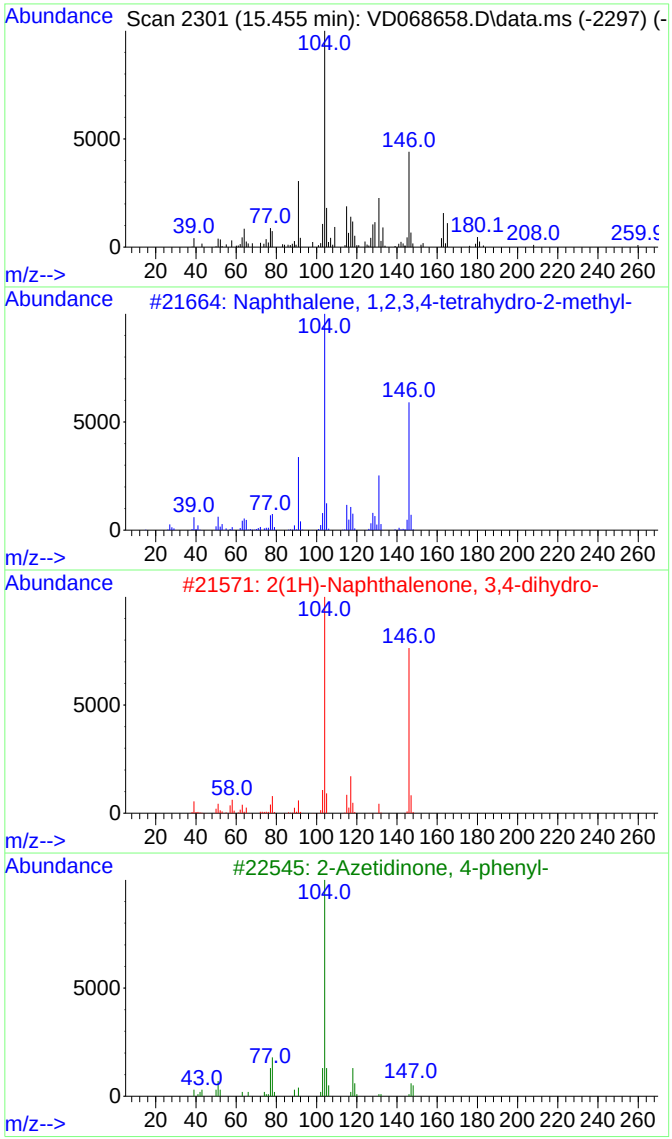
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

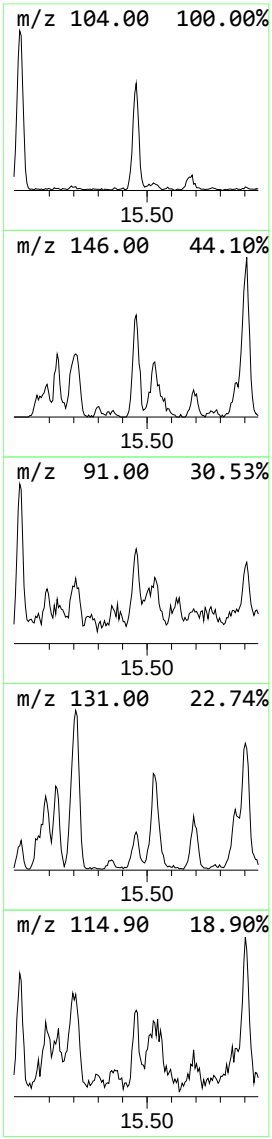
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.455	7.75 ug/l	184325	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	50
3	2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	38
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	38
5	Hex-5-enamide, N-(2-phenylethyl)-	217	C14H19NO	1000262-31-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

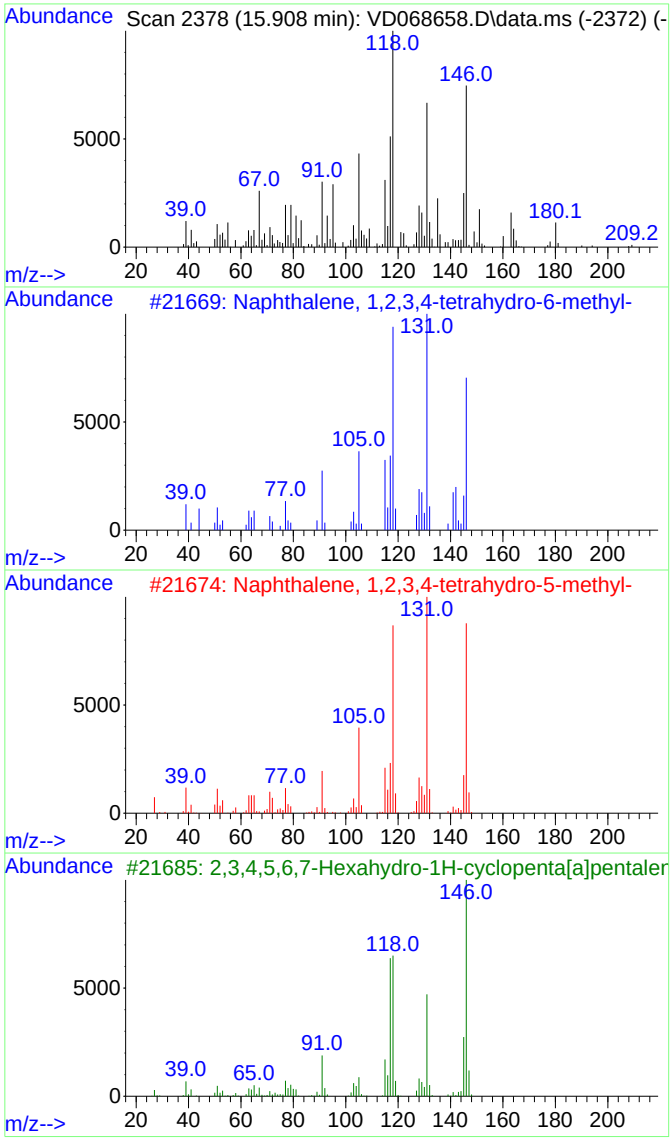
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

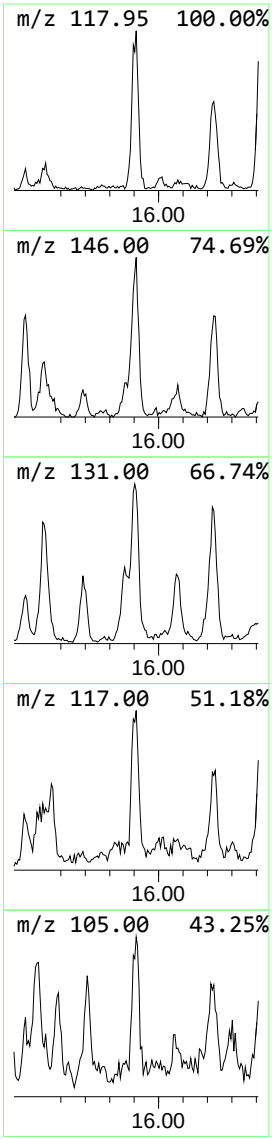
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.908	16.92 ug/l	402358	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	62
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	49
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	46
5	Phenylacetic acid, 2-hydroxycarb...	208	C11H12O4	040484-15-9	43





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Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

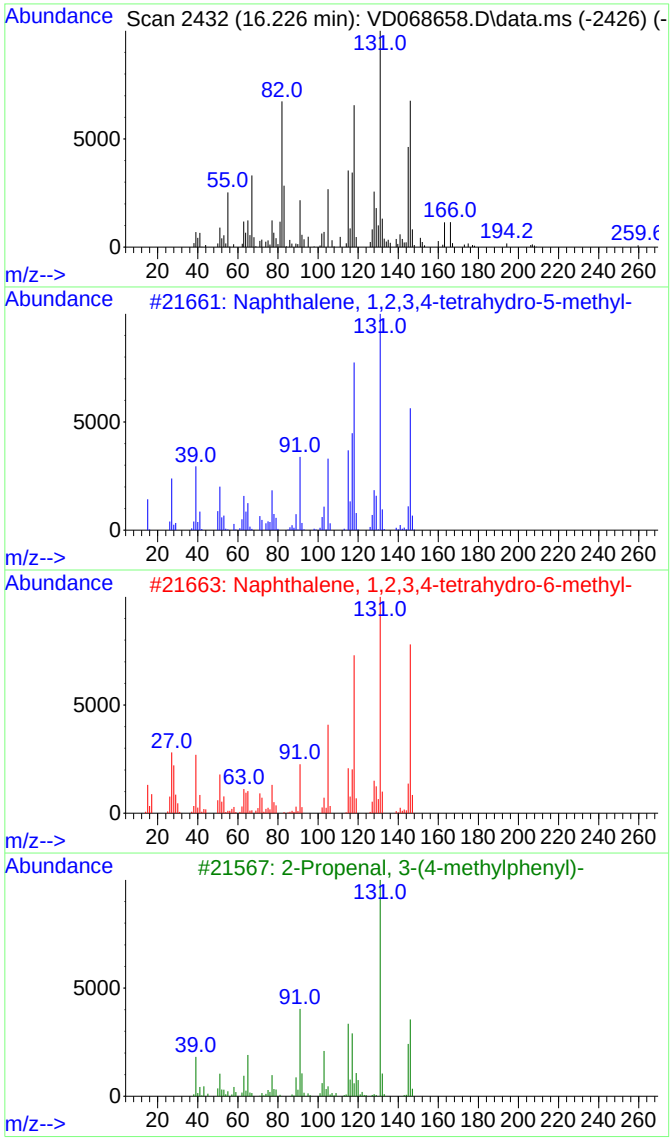
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

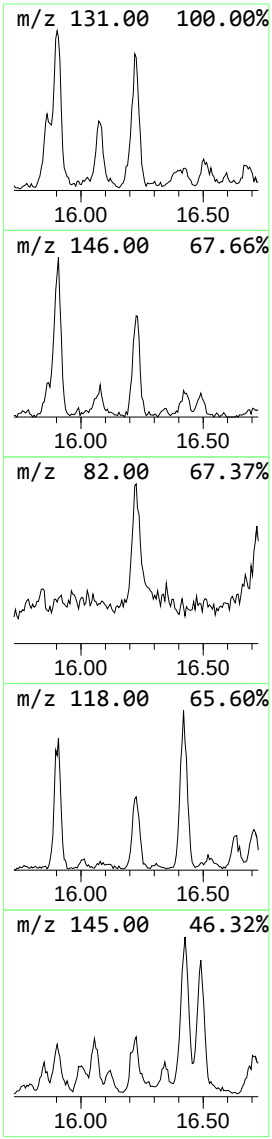
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.226	14.03 ug/l	333502	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	83
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	58
3	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	53
4	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	53
5	1-Methylindan-2-one	146	C10H10O	035587-60-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

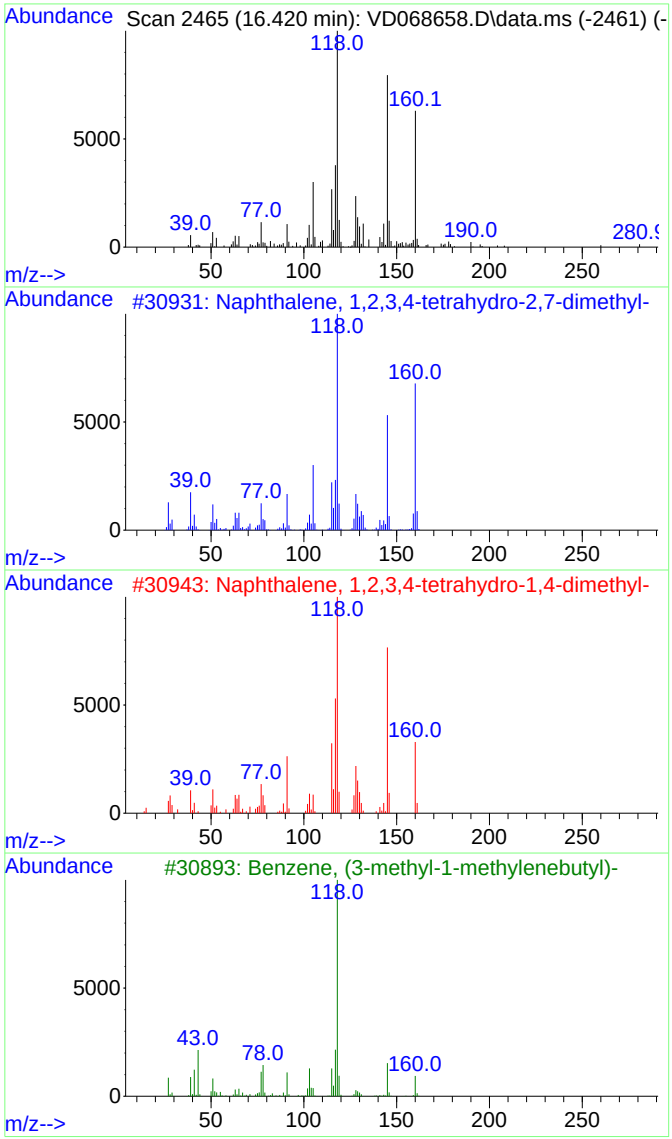
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

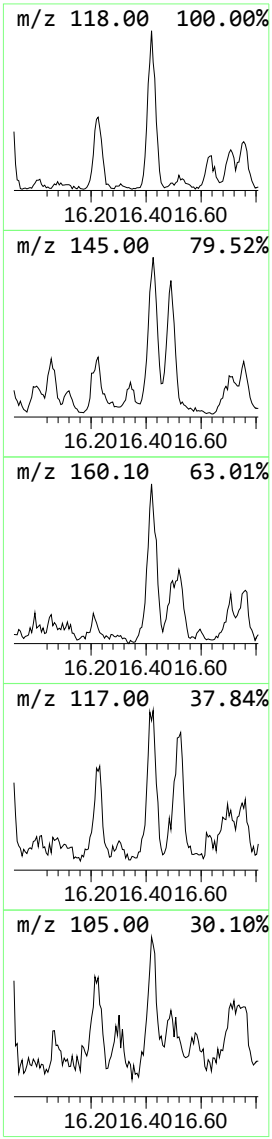
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.420	9.58 ug/l	227743	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
3	Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	64
4	2,5-Dimethylbenzyl cyanide	145	C10H11N	016213-85-7	58
5	4-Aminoquinazoline	145	C8H7N3	015018-66-3	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
Data File : VD068658.D
Acq On : 18 Mar 2021 17:02
Operator : VA/SY
Sample : M1724-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 26207

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.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, de...	14.402	8.3	ug/l	197608	4	13.573	1188910	50.0
Benzene, 1-ethe...	14.826	20.4	ug/l	484125	4	13.573	1188910	50.0
unknown14.873	14.873	10.1	ug/l	239399	4	13.573	1188910	50.0
Naphthalene, 1,...	14.985	14.6	ug/l	347503	4	13.573	1188910	50.0
unknown15.090	15.090	9.5	ug/l	226610	4	13.573	1188910	50.0
1H-Indene, 2,3-...	15.208	10.3	ug/l	245698	4	13.573	1188910	50.0
Naphthalene, 1,...	15.455	7.8	ug/l	184325	4	13.573	1188910	50.0
Naphthalene, 1,...	15.908	16.9	ug/l	402358	4	13.573	1188910	50.0
Naphthalene, 1,...	16.226	14.0	ug/l	333502	4	13.573	1188910	50.0
Naphthalene, 1,...	16.420	9.6	ug/l	227743	4	13.573	1188910	50.0