LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

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\82D080520S.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	1.944	3	4	10	rVB2	41102	38236	2.21%	0.115%
2	2.315	60	67	77	rBV	93433	151350	8.73%	0.456%
3	3.403	245	252	262	rBB4	11897	31123	1.79%	0.094%
4	4.156	371	380	384	rBV2	8291	19146	1.10%	0.058%
5	4.238	384	394	406	rVB2	112067	318198	18.35%	0.958%
6	4.968	505	518	532	rBV2	30205	107716	6.21%	0.324%
7	7.914	1007	1019	1024	rBV2	190745	479362	27.65%	1.444%
8	7.973	1024	1029	1041	rVB	354376	795738	45.89%	2.396%
9	8.326	1080	1089	1101	rVB	147371	331574	19.12%	0.999%
10	8.861	1171	1180	1192	rBV	517208	1049238	60.51%	3.160%
11	9.356	1257	1264	1271	rVB7	14614	31741	1.83%	0.096%
12	10.150	1393	1399	1404	rVB2	13927	27612	1.59%	0.083%
13	10.338	1423	1431	1449	rBV	728020	1384123	79.82%	4.168%
14	10.520	1458	1462	1469	rVB8	11504	21075	1.22%	0.063%
15	10.679	1484	1489	1492	rBV4	12740	20361	1.17%	0.061%
16	10.767	1501	1504	1509	rVB5	15016	23269	1.34%	0.070%
17	11.191	1567	1576	1581	rBV3	38317	81903	4.72%	0.247%
18	11.238	1582	1584	1592	rVB5	15185	22678	1.31%	0.068%
19	11.444	1615	1619	1628	rVB8	22105	54199	3.13%	0.163%
20	11.644	1645	1653	1663	rBV	800112	1368832	78.94%	4.122%
21	11.744	1665	1670	1673	rBV2	36691	60303	3.48%	0.182%
22	11.850	1680	1688	1698	rBV3	209565	548065	31.61%	1.651%
23	12.179	1733	1744	1752	rBV2	167387	457878	26.41%	1.379%
24	12.320	1762	1768	1771	rBV	56499	102372	5.90%	0.308%
25	12.355	1771	1774	1776	rVV3	34103	53644	3.09%	0.162%
26	12.397	1778	1781	1787	rVB2	69698	126779	7.31%	0.382%
27	12.632	1815	1821	1829	rVB	613252	999730	57.66%	3.011%
28	12.714	1833	1835	1839	rVV4	17701	26313	1.52%	0.079%
29	12.808	1846	1851	1857	rVB2	73326	173492	10.01%	0.522%
30	12.885	1857	1864	1867	rBV3	266667	491655	28.35%	1.481%
31	12.914	1867	1869	1871	rVV2	153381	197960	11.42%	0.596%
32	12.955	1872	1876	1882	rVV3	351461	714829	41.22%	2.153%
33	13.008	1882	1885	1891	rVB3	81424	140415	8.10%	0.423%
34	13.120	1897	1904	1909	rBV2	109633	267487	15.43%	0.806%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

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\82D080520S.M
Title : SW846 8260

35	13.191	1912	1916	1924	rVB5	94390	197299	11.38%	0.594%
36	13.267	1924	1929	1935	rBV	589921	971137	56.01%	2.925%
37	13.402	1948	1952	1956	rBV4	77096	126523	7.30%	0.381%
38	13.461	1956	1962	1967	rBV4	228293	490760	28.30%	1.478%
39	13.508	1967	1970	1975	rBV3	70437	106467	6.14%	0.321%
40	13.579	1977	1982	1985	rBV	426888	714030	41.18%	2.150%
41	13.649	1991	1994	1997	rBV4	42320	62468	3.60%	0.188%
42	13.773	2011	2015	2019	rBV2	240759	345248	19.91%	1.040%
43	13.820	2019	2023	2031	rVB5	183938	387356	22.34%	1.167%
44	13.902	2031	2037	2042	rBV	807667	1409434	81.28%	4.245%
45	14.120	2070	2074	2079	rVB2	294221	452711	26.11%	1.363%
46	14.232	2087	2093	2097	rBV2	480806	867033	50.00%	2.611%
47	14.291	2098	2103	2109	rBV7	315892	621153	35.82%	1.871%
48	14.355	2110	2114	2119	rBV6	265019	571156	32.94%	1.720%
49	14.408	2119	2123	2127	rBV3	763434	1368005	78.89%	4.120%
50	14.573	2140	2151	2155	rBV3	580139	1733981	100.00%	5.222%
51	14.626	2157	2160	2165	rVB5	359247	630060	36.34%	1.897%
52	14.761	2180	2183	2189	rVB5	308033	544641	31.41%	1.640%
53	14.838	2189	2196	2200	rBV5	630968	1574667	90.81%	4.742%
54	14.885	2200	2204	2210	rVB4	666712	1207916	69.66%	3.638%
55	14.996	2218	2223	2227	rBV2	648990	1294465	74.65%	3.898%
56	15.038	2227	2230	2235	rVB2	535596	756193	43.61%	2.277%
57	15.102	2236	2241	2246	rVB4	546424	921152	53.12%	2.774%
58	15.367	2283	2286	2292	rVB5	261894	452207	26.08%	1.362%
59	15.461	2295	2302	2308	rBV7	562657	1478227	85.25%	4.452%
60	15.914	2374	2379	2390	rVB4	590479	1144356	66.00%	3.446%
61	16.238	2429	2434	2443	rVB2	445119	1001080	57.73%	3.015%
62	16.438	2462	2468	2474	rBV2	493757	1057319	60.98%	3.184%

Sum of corrected areas: 33205440

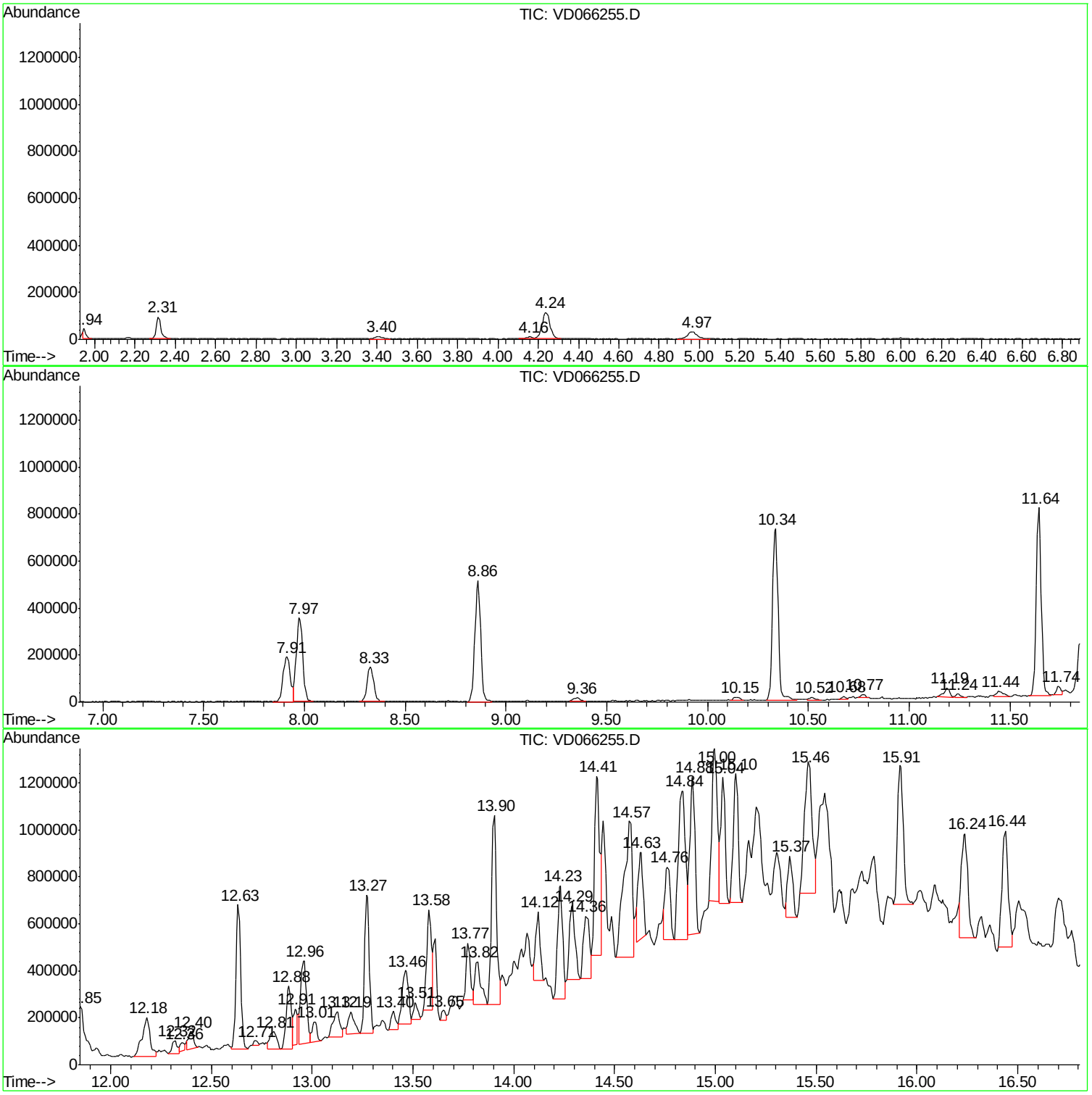
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

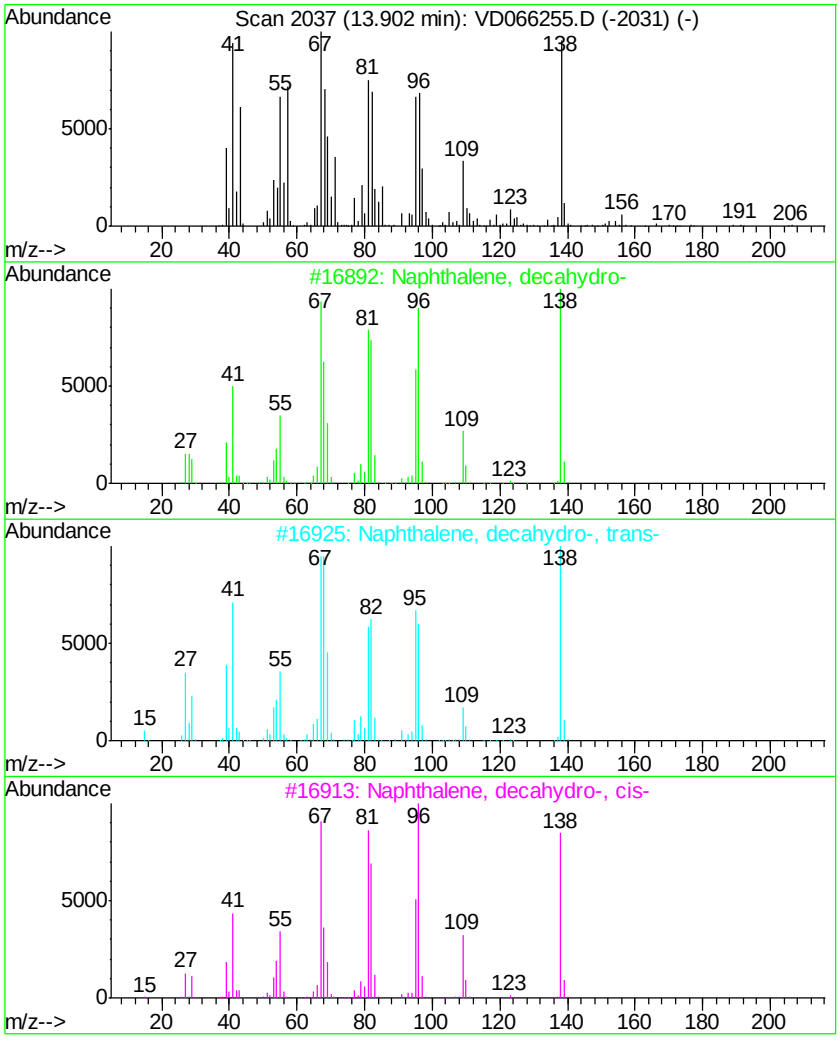
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

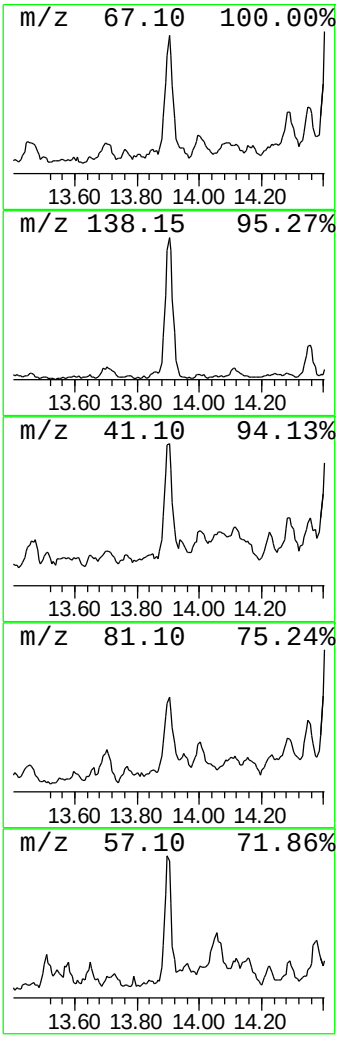
****

Peak Number 1 Naphthalene, decahydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	98.70 ug/l	1409430	1,4-Dichlorobenzene-d4	13.58

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	95
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4	Spiro[4.5]decane	138	C10H18	000176-63-6	87
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

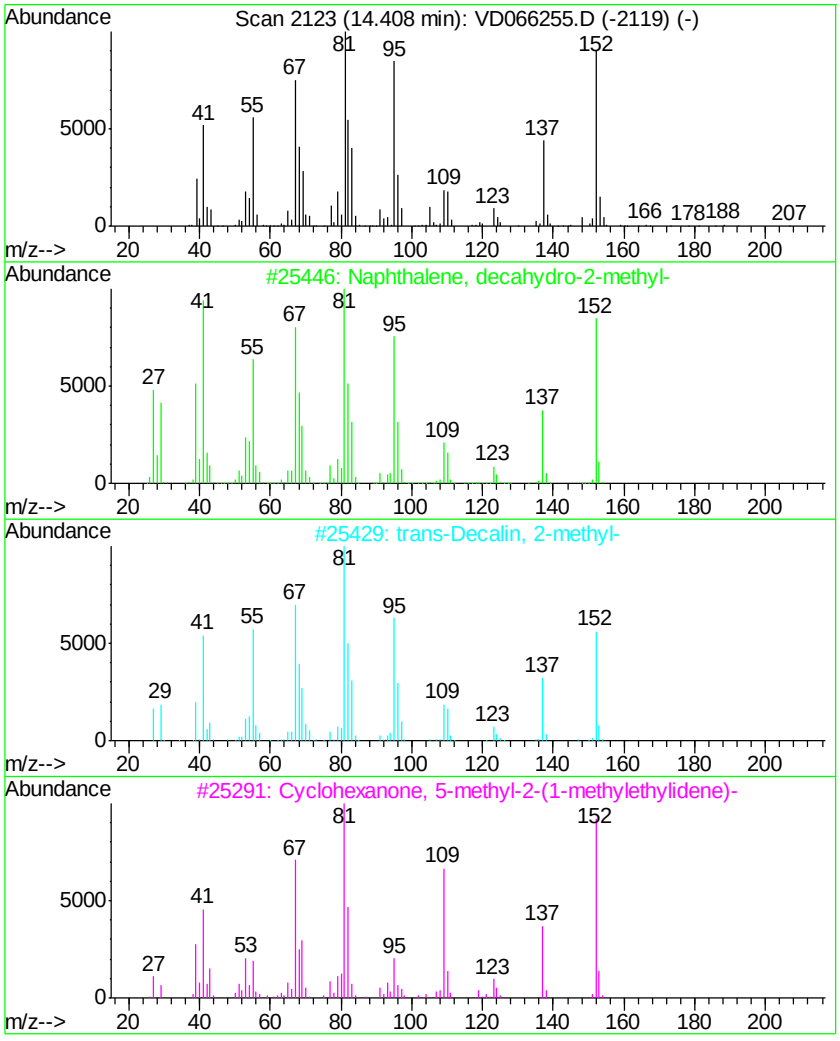
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

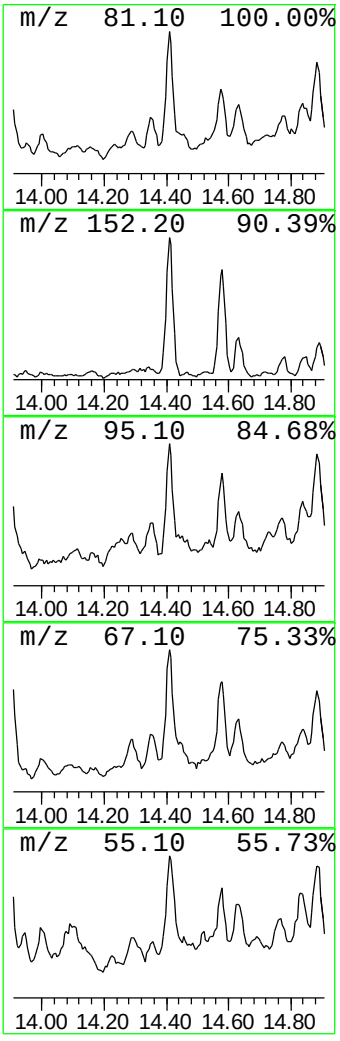
****

Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	95.79 ug/l	1368010	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	86
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	68
5	Cyclopentylcyclohexane	152	C11H20	001606-08-2	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

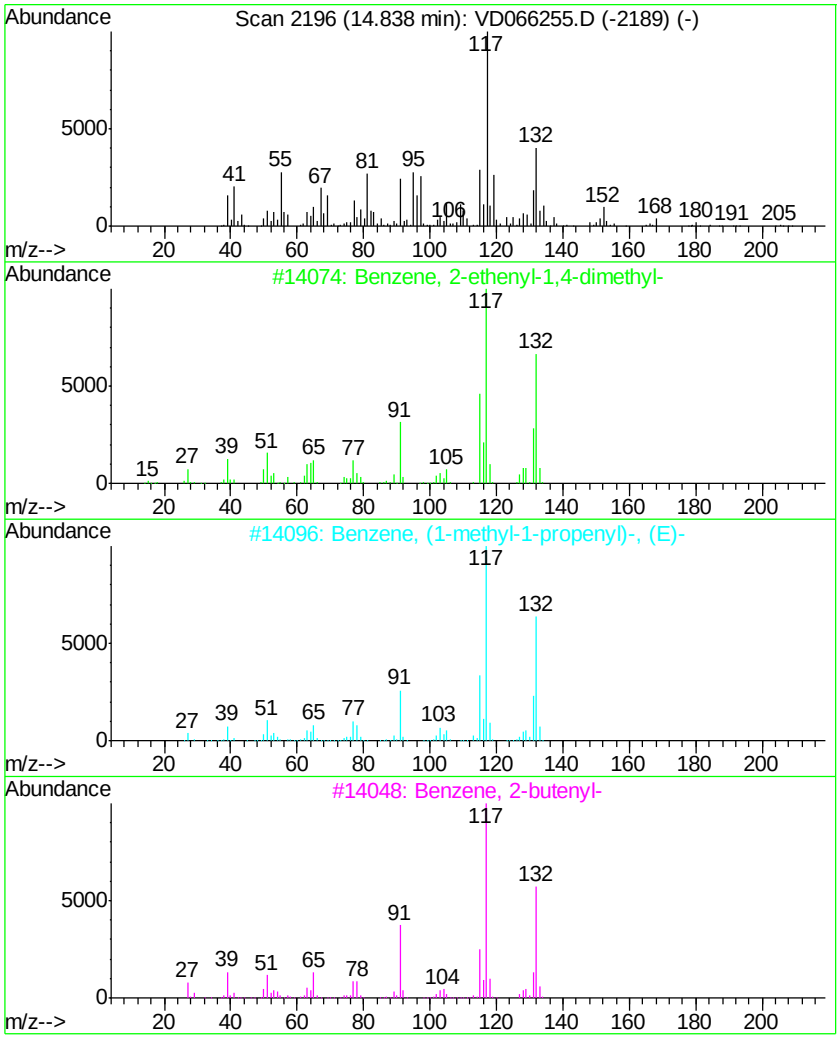
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

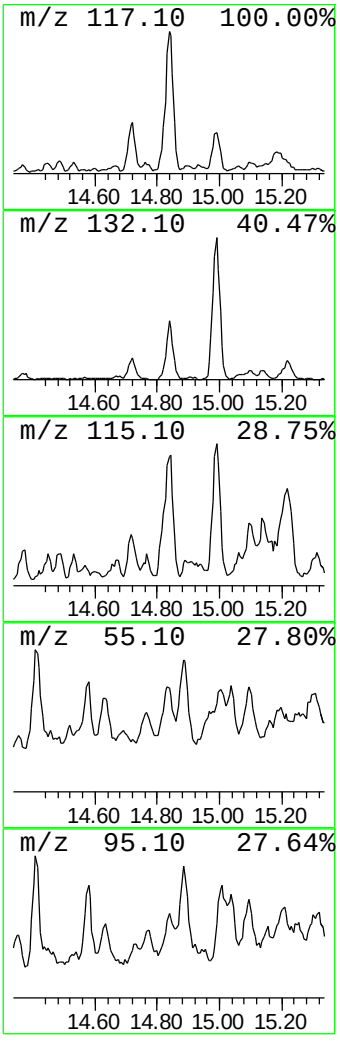
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	110.27 ug/l	1574670	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	60
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

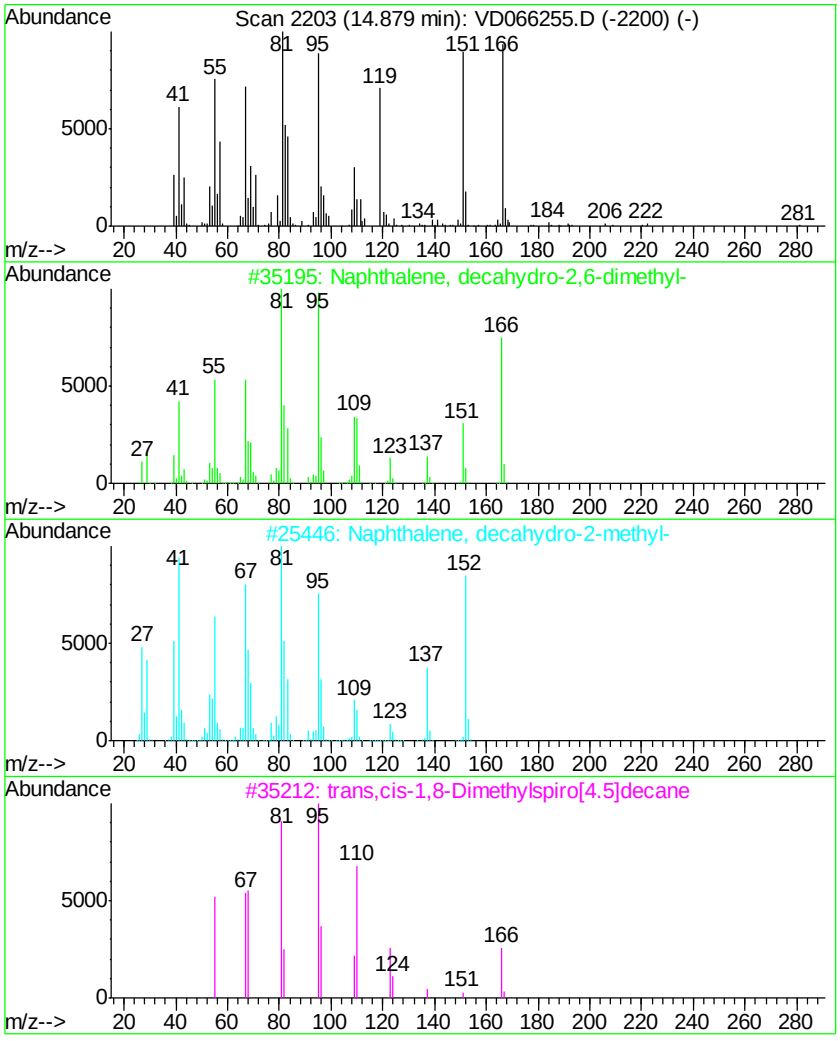
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

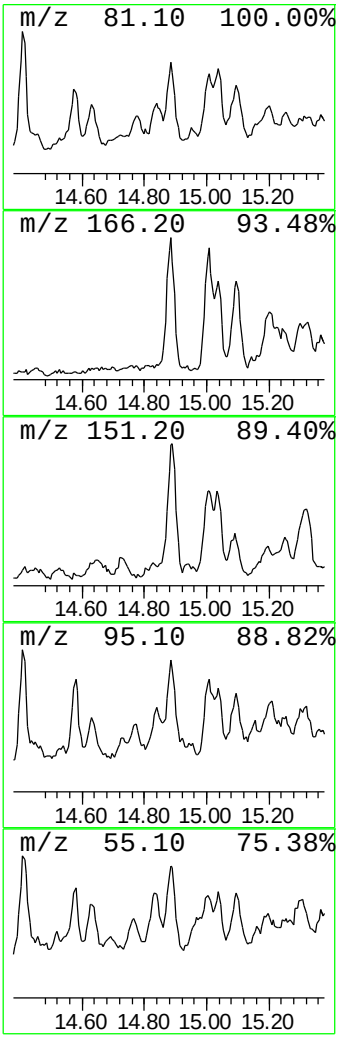
****

Peak Number 5 Naphthalene, decahydro-2,6-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	84.58 ug/l	1207920	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	53
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45
3	trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	43
4	Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	42
5	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

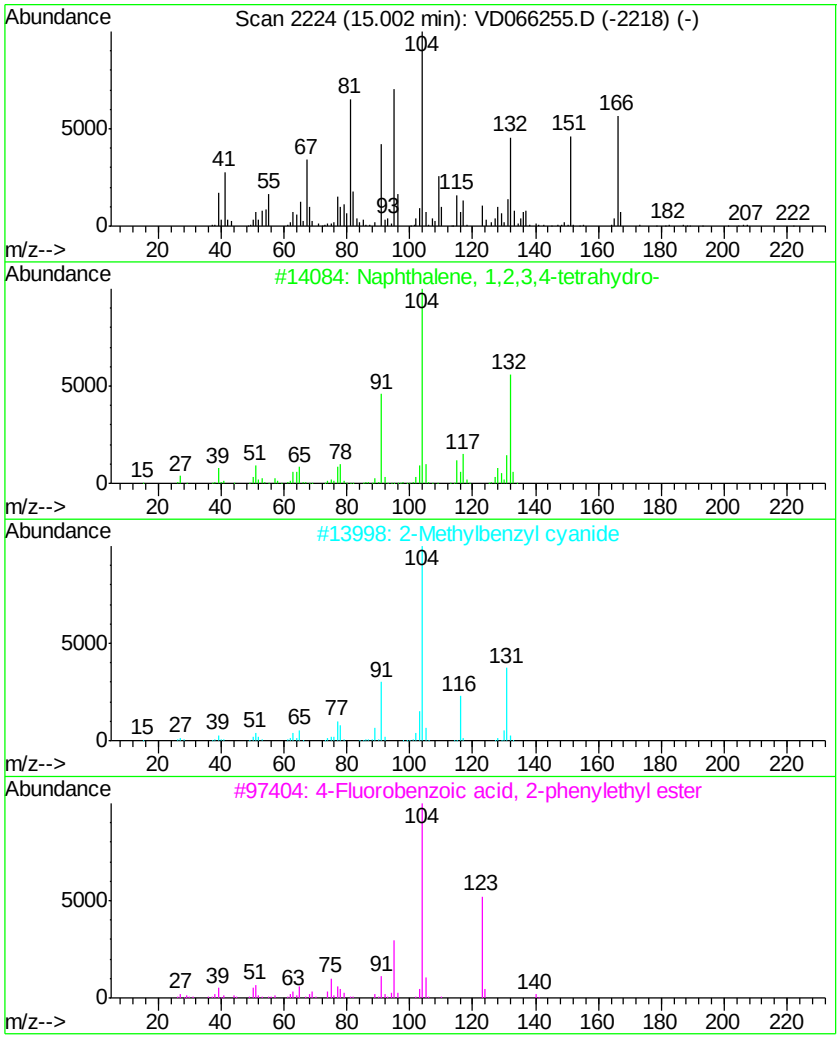
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

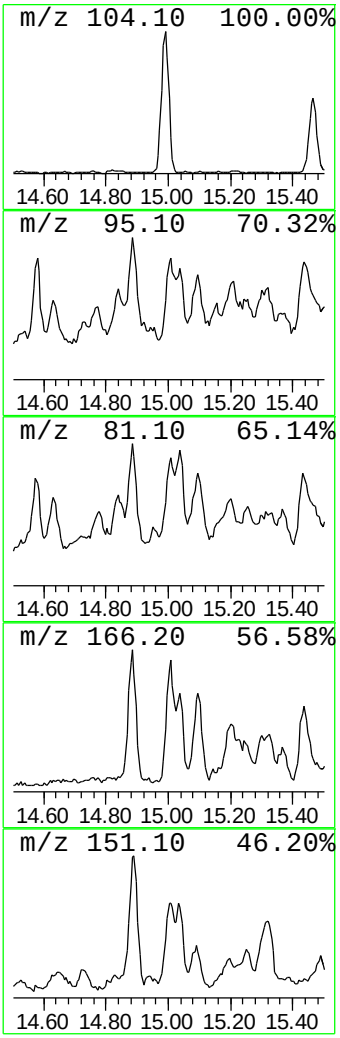
****

Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	90.65 ug/l	1294470	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	38
3	4-Fluorobenzoic acid, 2-phenylet...	244	C15H13FO2	090172-19-3	35
4	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	35
5	2-Fluorobenzoic acid, 2-phenylet...	244	C15H13FO2	1000278-98-3	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

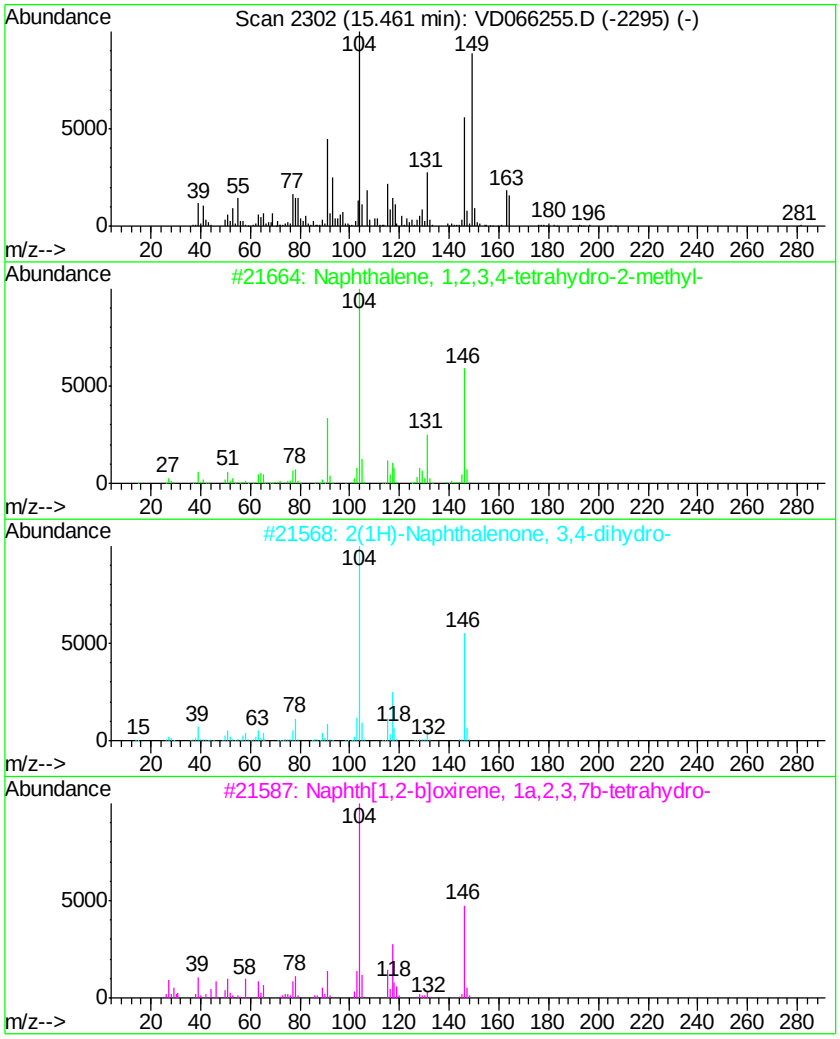
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

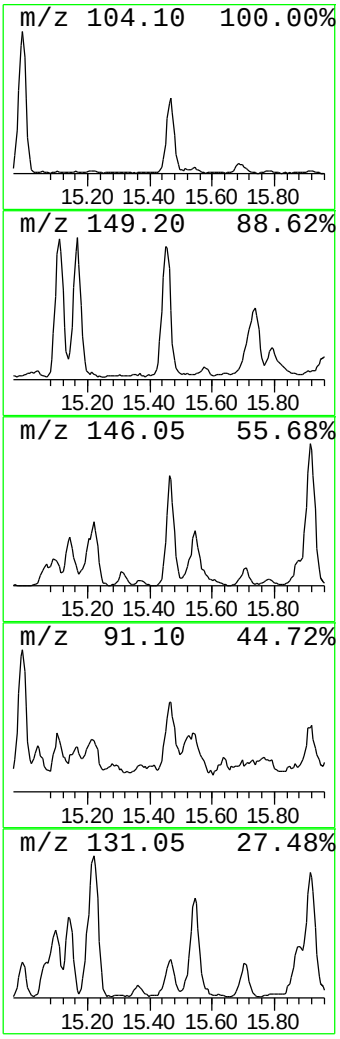
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	103.51 ug/l	1478230	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	50
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	41
4	Benzene, 2-methoxy-4-methyl-1-(1...	164	C11H16O	001076-56-8	30
5	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

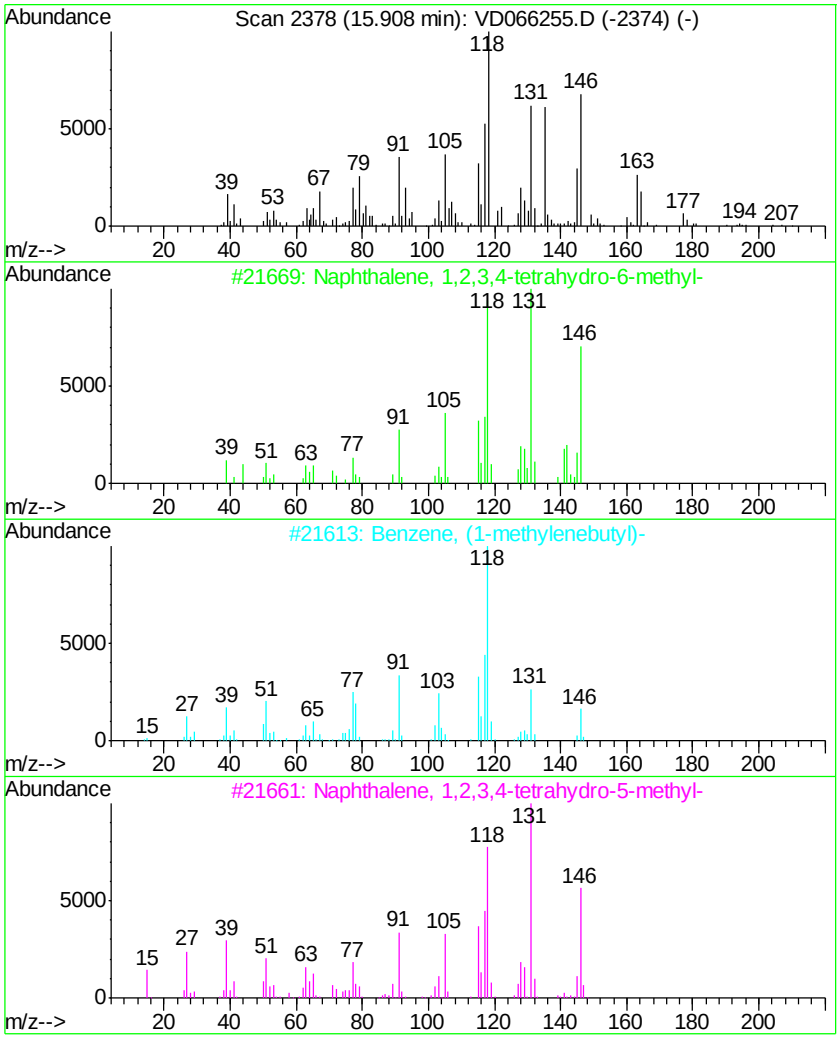
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

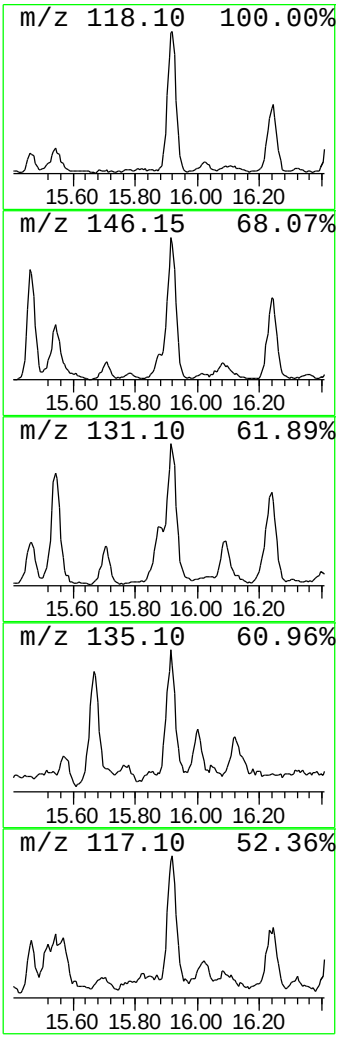
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	80.13 ug/l	1144360	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
2	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	58
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	50
5	5H-Benzocycloheptene,6,7,8,9-tet...	146	C11H14	001075-16-7	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

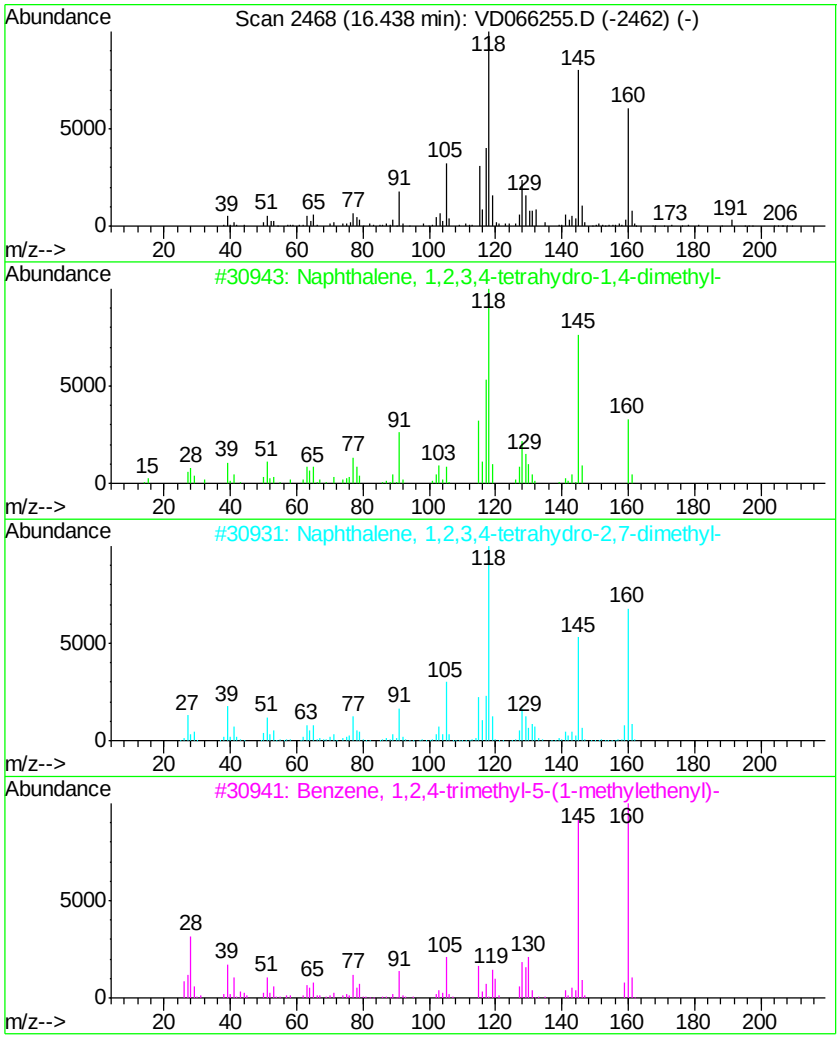
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

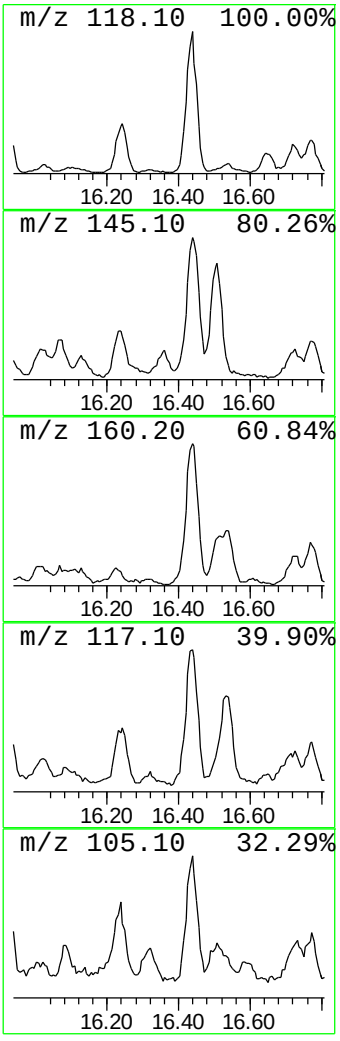
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	74.04 ug/l	1057320	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
3	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	70
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081720\
Data File : VD066255.D
Acq On : 17 Aug 2020 14:00
Operator : VA/SY
Sample : L3662-07
Misc : 7.20G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 24051

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.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...	13.90	98.7	ug/l	1409430	4	13.58	714030	50.0
Naphthalene, deca...	14.41	95.8	ug/l	1368010	4	13.58	714030	50.0
Benzene, 2-etheny...	14.84	110.3	ug/l	1574670	4	13.58	714030	50.0
Naphthalene, deca...	14.88	84.6	ug/l	1207920	4	13.58	714030	50.0
Naphthalene, 1,2,...	15.00	90.7	ug/l	1294470	4	13.58	714030	50.0
Naphthalene, 1,2,...	15.46	103.5	ug/l	1478230	4	13.58	714030	50.0
Naphthalene, 1,2,...	15.91	80.1	ug/l	1144360	4	13.58	714030	50.0
Naphthalene, 1,2,...	16.44	74.0	ug/l	1057320	4	13.58	714030	50.0