LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

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\82W092118S.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	4.909	484	493	503	rBV4	7697	25723	3.00%	0.378%
2	5.933	652	661	671	rBV2	4989	14540	1.70%	0.214%
3	7.147	852	860	873	rBV	12939	37096	4.33%	0.545%
4	7.890	972	982	986	rBV	128183	299268	34.91%	4.395%
5	7.951	986	992	1002	rVB2	227683	510088	59.51%	7.490%
6	8.262	1034	1043	1044	rBV	19916	34405	4.01%	0.505%
7	8.311	1044	1051	1061	rVB	139138	310429	36.22%	4.558%
8	8.847	1128	1139	1148	rBV	317131	631883	73.72%	9.279%
9	10.329	1374	1382	1391	rBV	494183	857134	100.00%	12.586%
10	10.713	1439	1445	1451	rVB	10442	19224	2.24%	0.282%
11	11.067	1497	1503	1509	rBV	16920	30799	3.59%	0.452%
12	11.445	1559	1565	1571	rBV2	7507	13816	1.61%	0.203%
13	11.634	1589	1596	1607	rVB	404636	688337	80.31%	10.108%
14	12.621	1752	1758	1768	rVB	307872	519278	60.58%	7.625%
15	12.944	1795	1811	1829	rBV6	35869	189756	22.14%	2.786%
16	13.115	1834	1839	1845	rBV6	8824	21863	2.55%	0.321%
17	13.365	1866	1880	1892	rBV3	41604	204083	23.81%	2.997%
18	13.499	1892	1902	1907	rVV5	25205	102290	11.93%	1.502%
19	13.566	1907	1913	1923	rVB	338769	606185	70.72%	8.901%
20	13.761	1942	1945	1947	rBV3	6233	8717	1.02%	0.128%
21	13.798	1947	1951	1960	rVB2	20307	37861	4.42%	0.556%
22	13.889	1962	1966	1968	rBV5	8822	14013	1.63%	0.206%
23	14.103	1995	2001	2010	rVB2	26444	55083	6.43%	0.809%
24	14.212	2014	2019	2024	rBV3	17198	27778	3.24%	0.408%
25	14.346	2037	2041	2045	rVB3	12822	19555	2.28%	0.287%
26	14.426	2051	2054	2057	rBV	20074	26646	3.11%	0.391%
27	14.468	2057	2061	2065	rVB	35281	48616	5.67%	0.714%
28	14.505	2065	2067	2071	rBV2	14306	18391	2.15%	0.270%
29	14.548	2071	2074	2083	rVB6	15227	28456	3.32%	0.418%
30	14.700	2094	2099	2102	rBV5	14581	29649	3.46%	0.435%
31	14.737	2102	2105	2110	rVB2	25221	37813	4.41%	0.555%
32	14.810	2110	2117	2123	rBV3	66751	169504	19.78%	2.489%
33	15.035	2151	2154	2156	rBV3	7695	11166	1.30%	0.164%
34	15.078	2156	2161	2164	rBV2	54497	108344	12.64%	1.591%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

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\82W092118S.M
Title : SW846 8260

35	15.188	2174	2179	2188	rVB2	61546	143064	16.69%	2.101%
36	15.340	2199	2204	2209	rBV3	28919	55891	6.52%	0.821%
37	15.480	2223	2227	2231	rBV2	26502	46477	5.42%	0.682%
38	15.535	2232	2236	2239	rBV4	20093	35646	4.16%	0.523%
39	15.669	2250	2258	2265	rBV3	67118	169319	19.75%	2.486%
40	15.834	2280	2285	2290	rBV2	30781	65721	7.67%	0.965%
41	15.968	2302	2307	2311	rBV3	30568	55097	6.43%	0.809%
42	16.023	2311	2316	2324	rVB6	36882	99982	11.66%	1.468%
43	16.182	2334	2342	2347	rBV7	28901	83018	9.69%	1.219%
44	16.236	2348	2351	2357	rVB8	17320	30446	3.55%	0.447%
45	16.303	2358	2362	2367	rBV2	31462	51309	5.99%	0.753%
46	16.511	2391	2396	2401	rVB2	51170	90224	10.53%	1.325%
47	16.645	2413	2418	2432	rVB2	32753	126025	14.70%	1.851%

Sum of corrected areas: 6810008

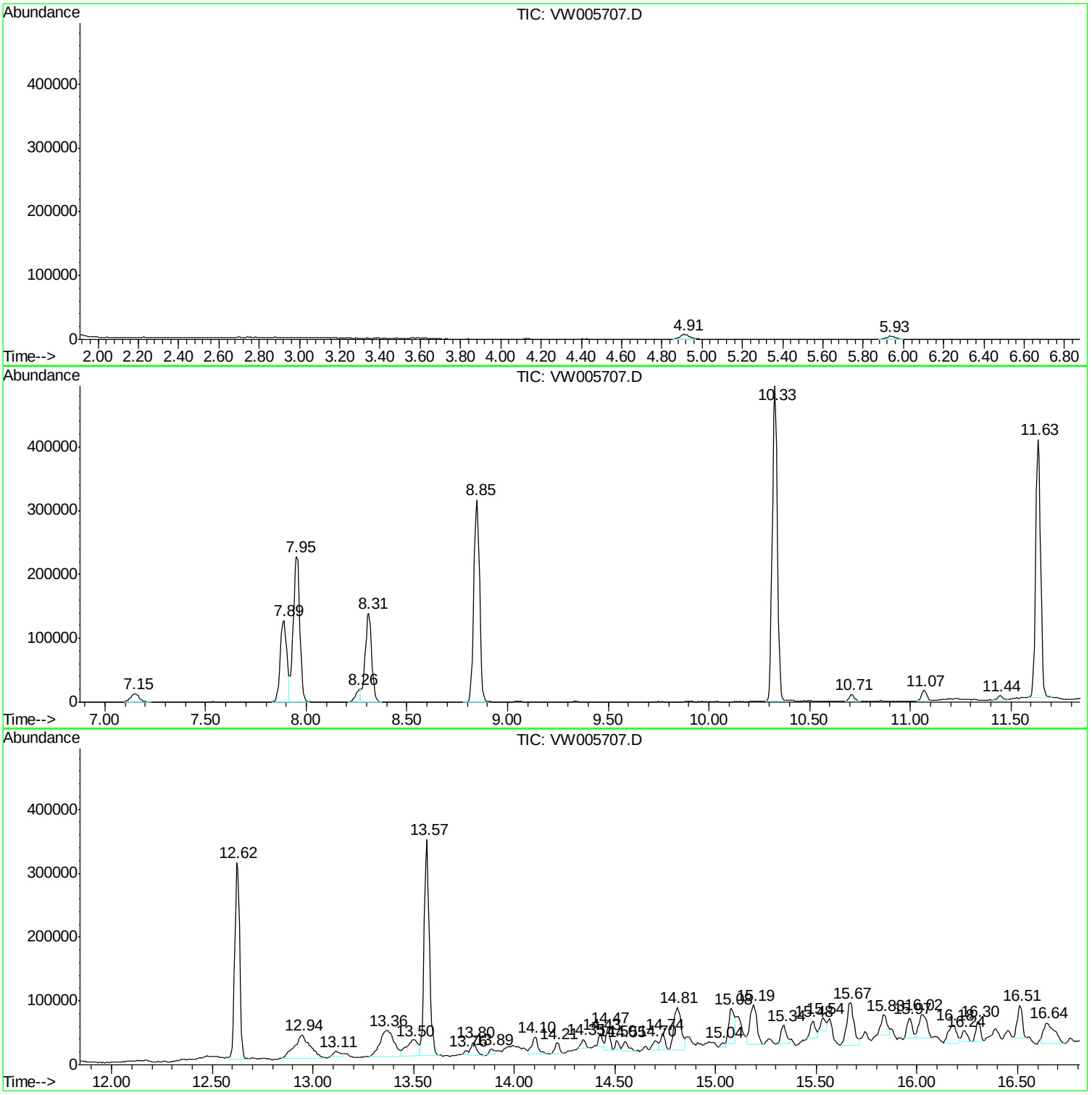
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.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 W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

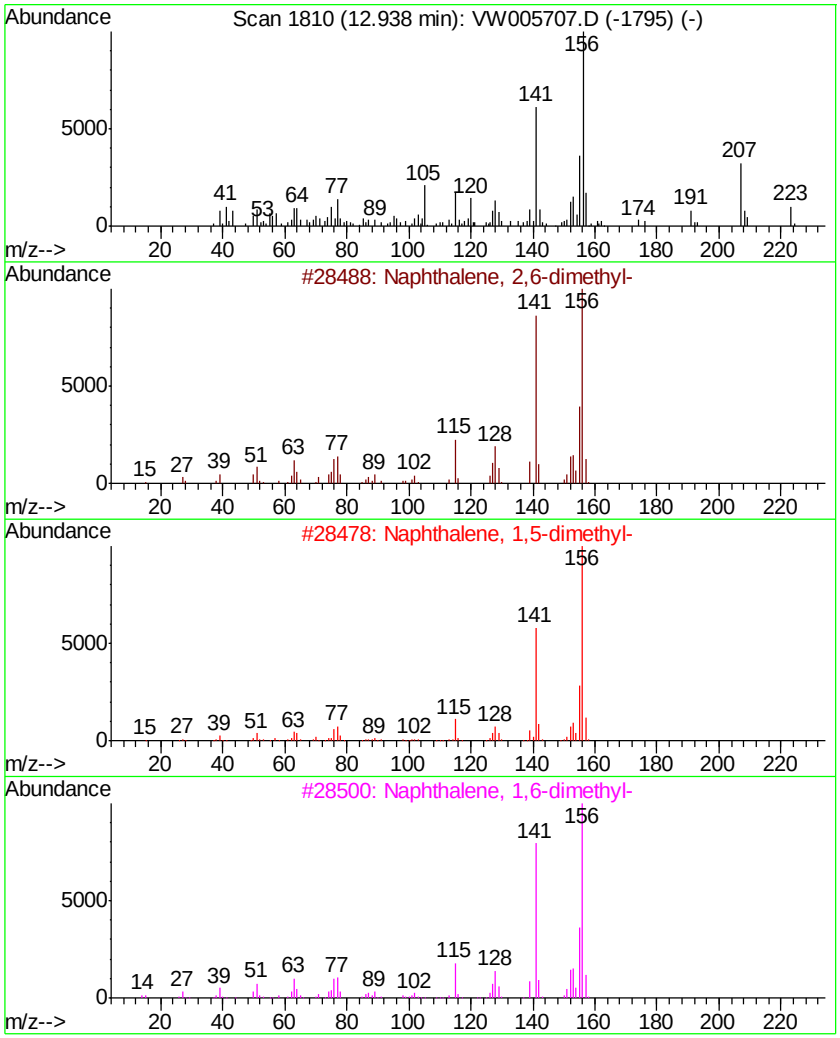
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

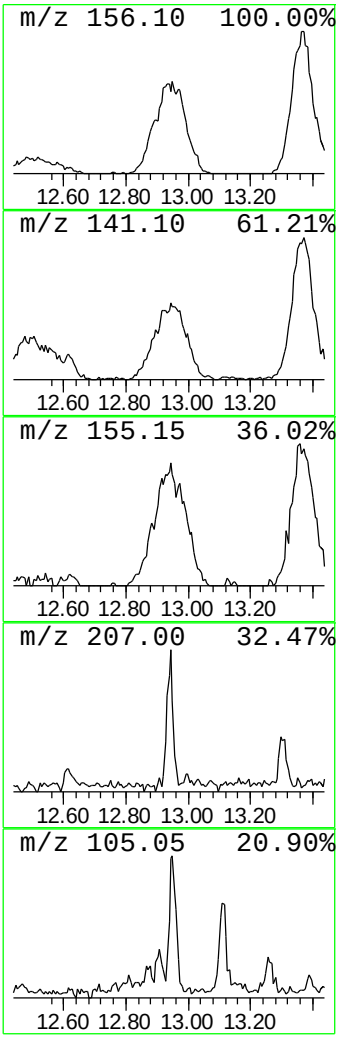
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	15.65 ug/l	189756	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	86
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

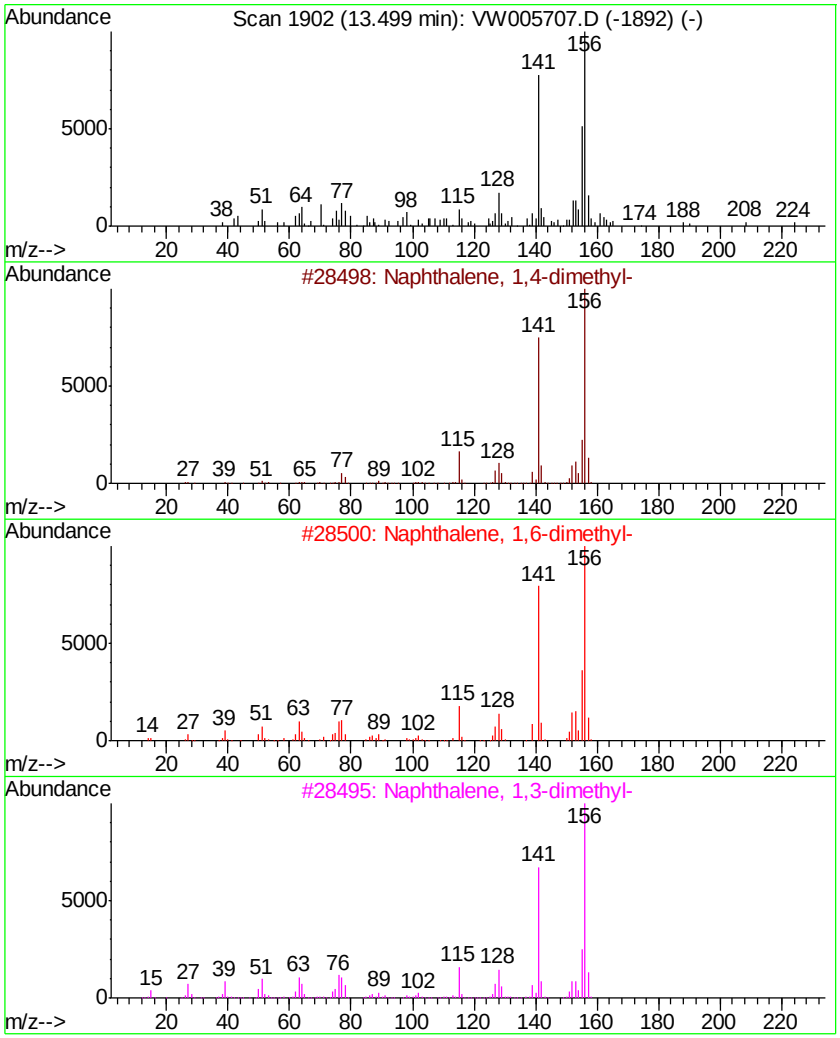
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

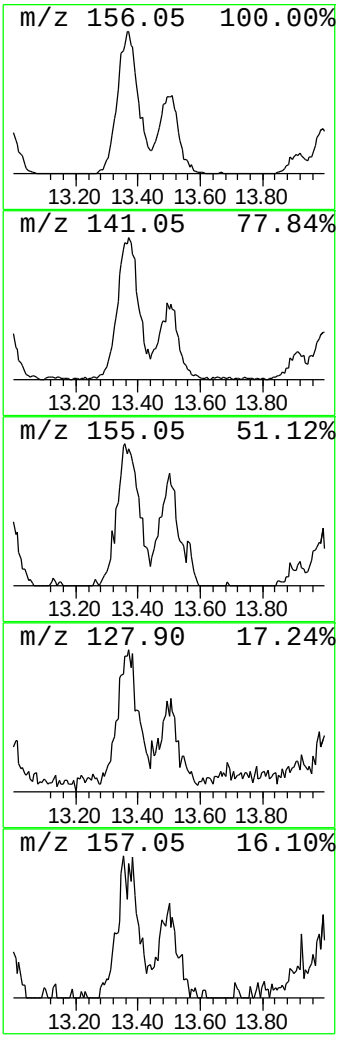
****

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	8.44 ug/l	102290	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	90
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

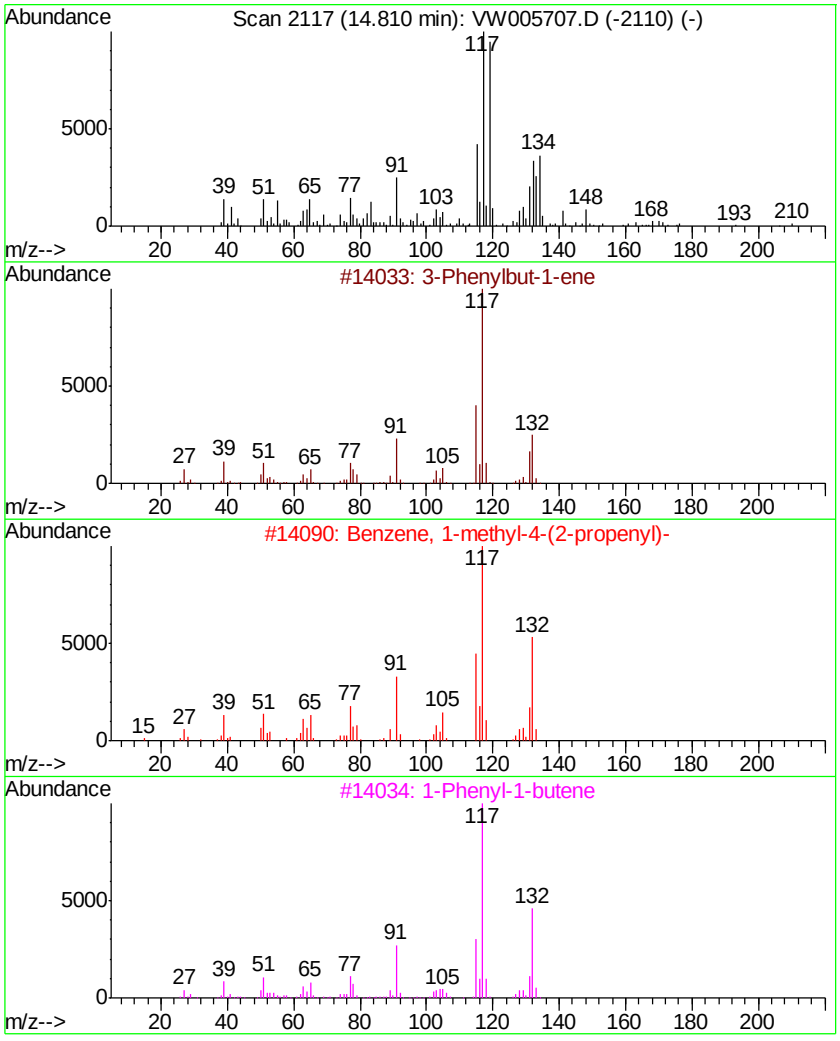
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

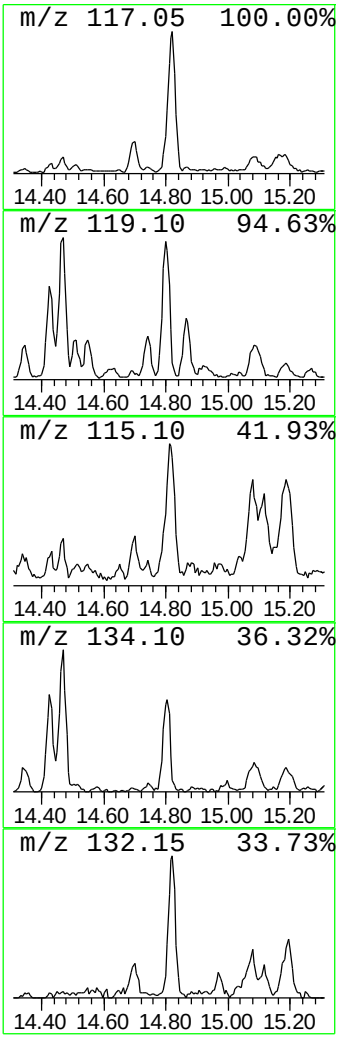
****

Peak Number 4 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	13.98 ug/l	169504	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	55
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	49
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

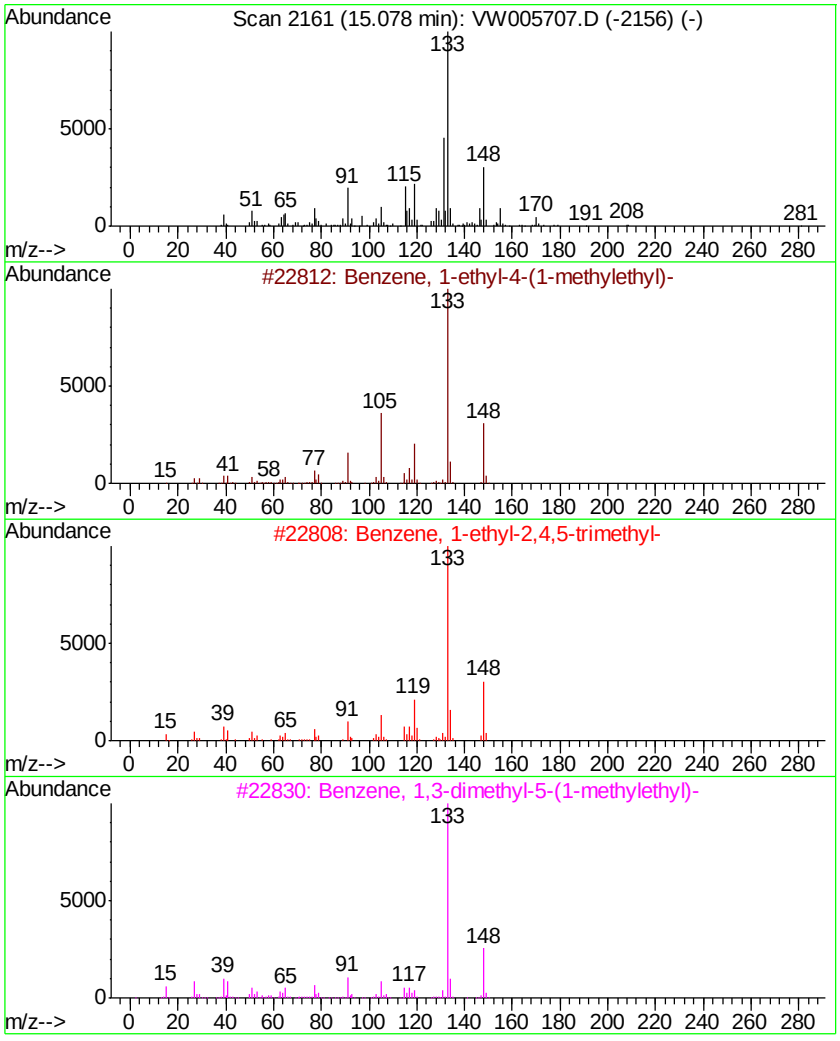
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

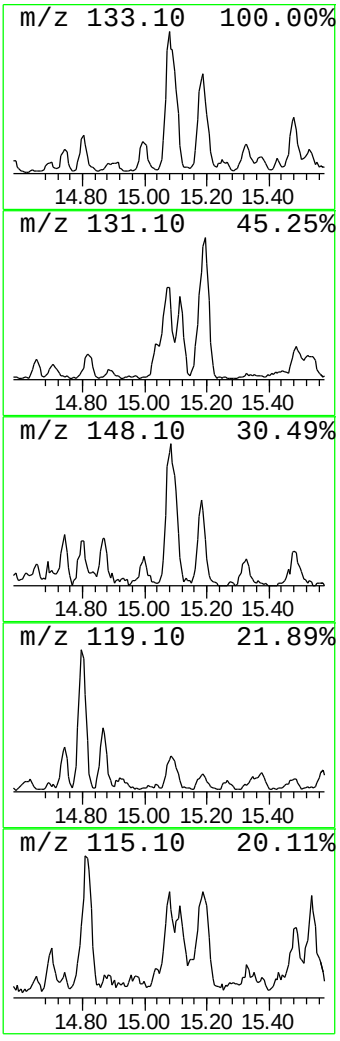
****

Peak Number 5 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	8.94 ug/l	108344	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	46
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	45
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

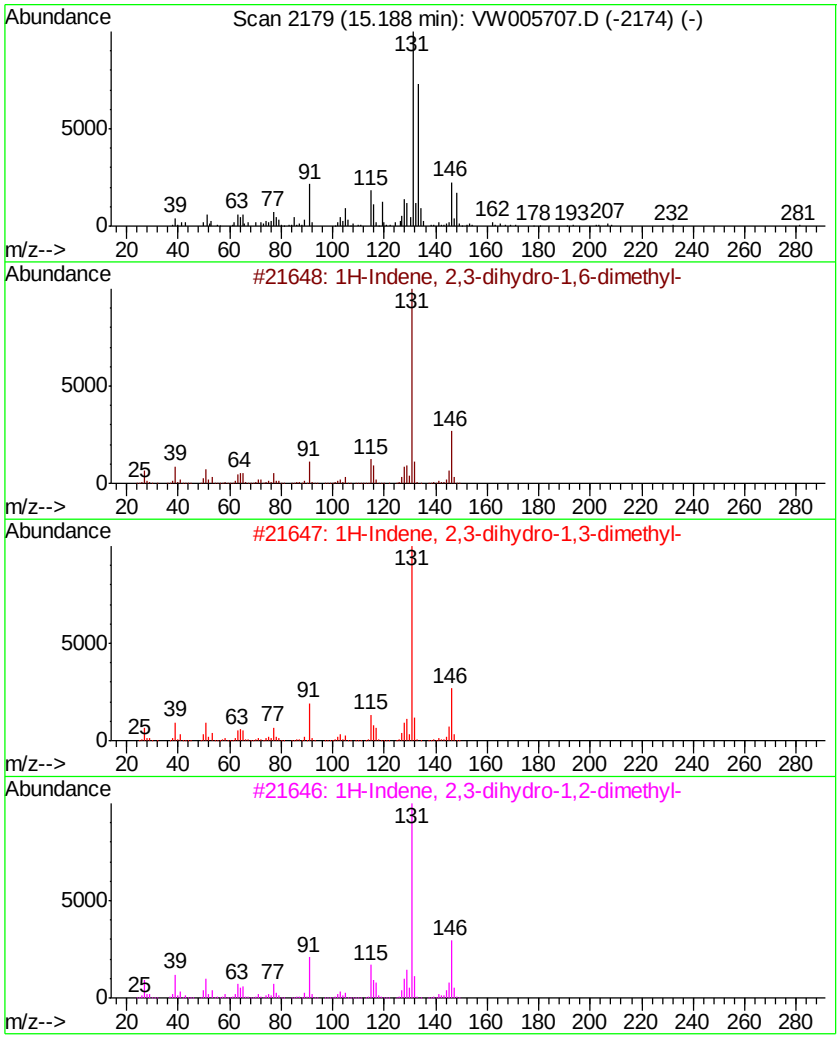
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

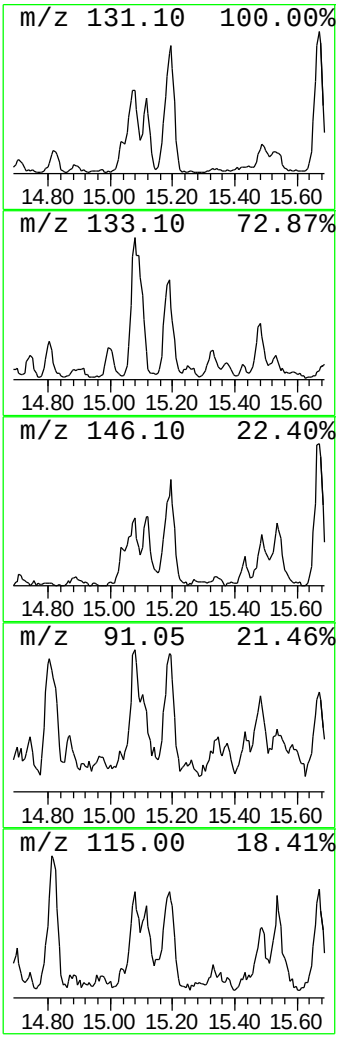
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	11.80 ug/l	143064	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

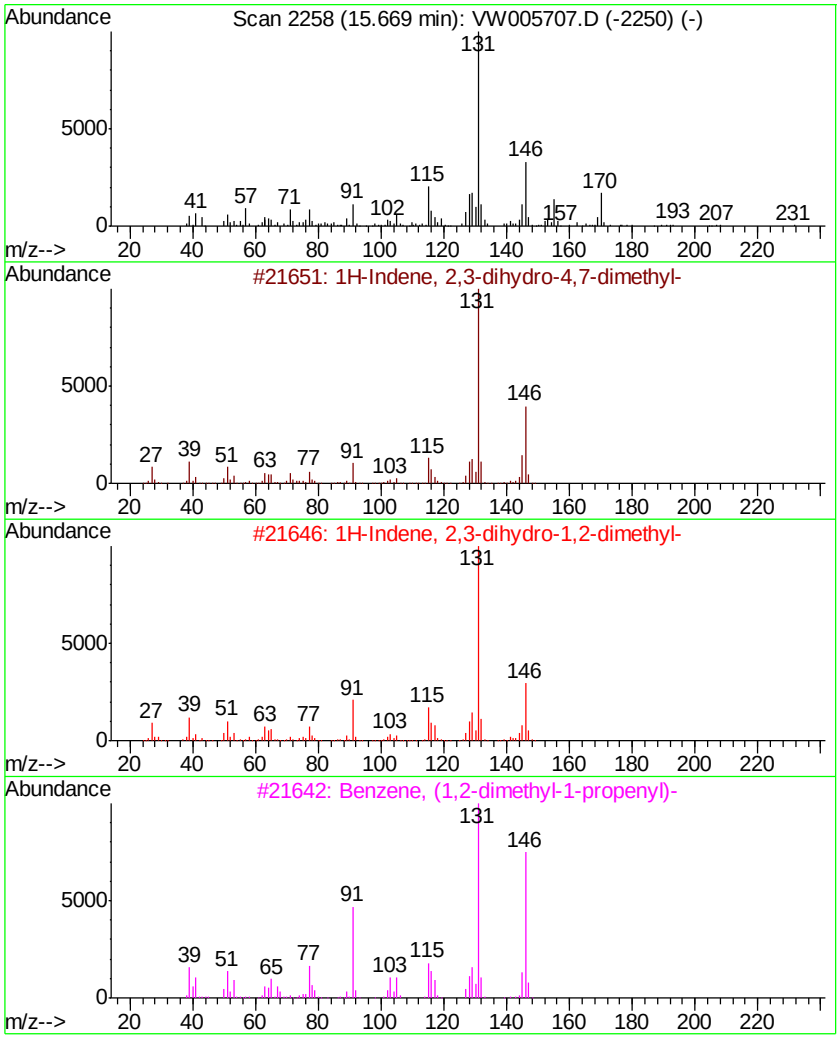
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

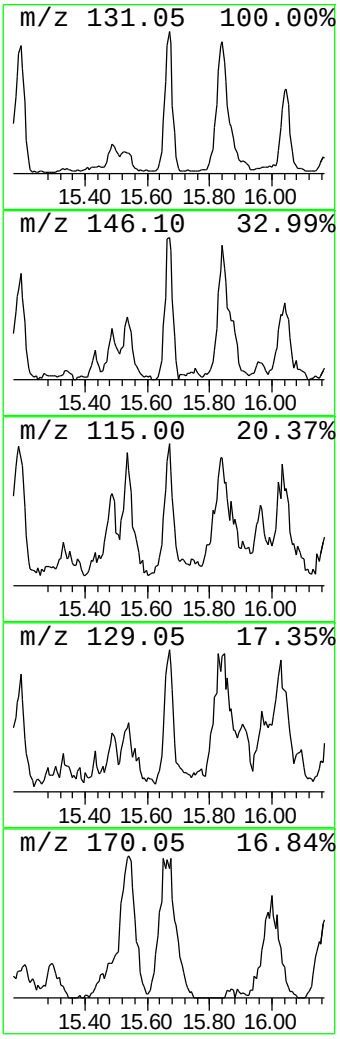
****

Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	13.97 ug/l	169319	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	87
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

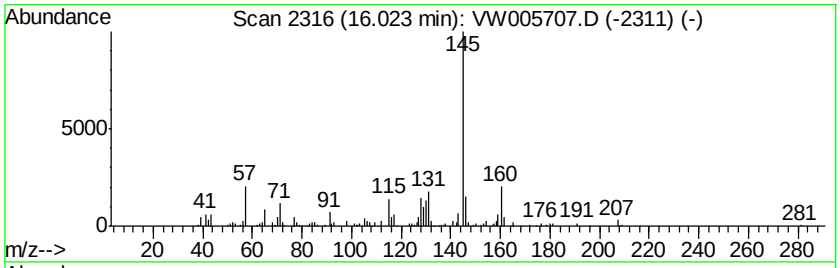
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

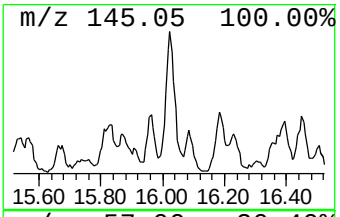
****

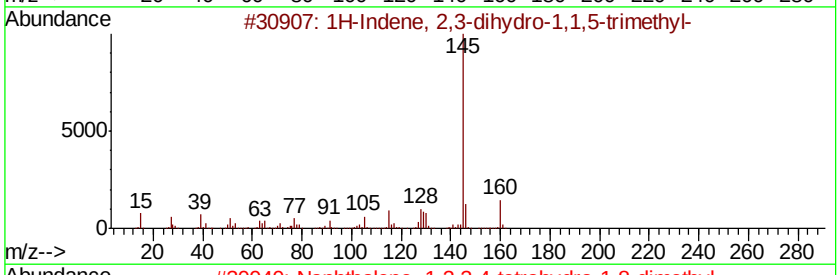
Peak Number 8 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 9

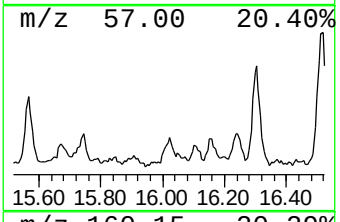
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	8.25 ug/l	99982	1,4-Dichlorobenzene-d4	13.57

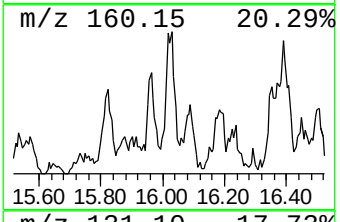
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	87
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	87
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87

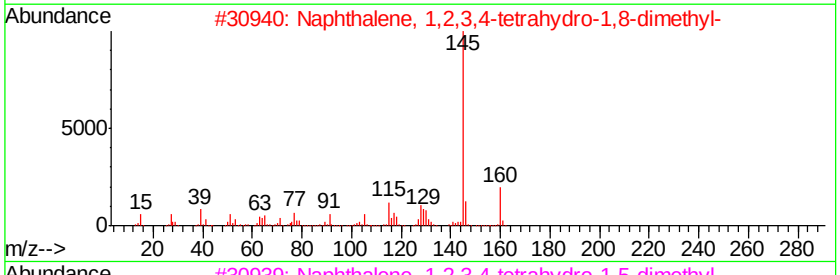


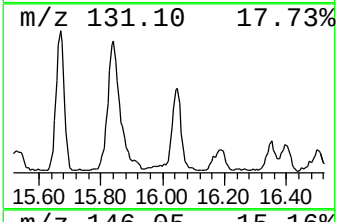


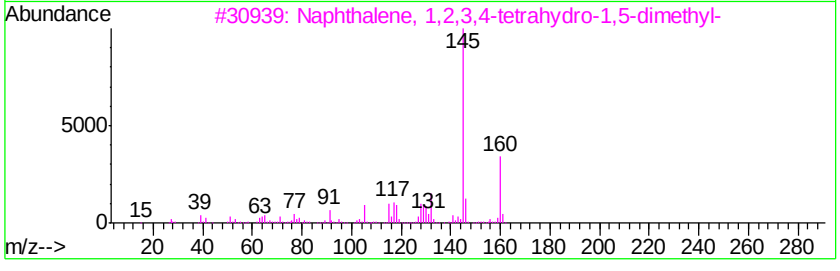


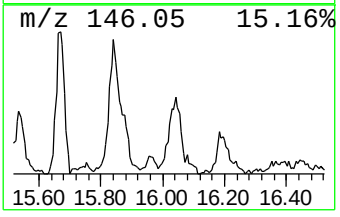












Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

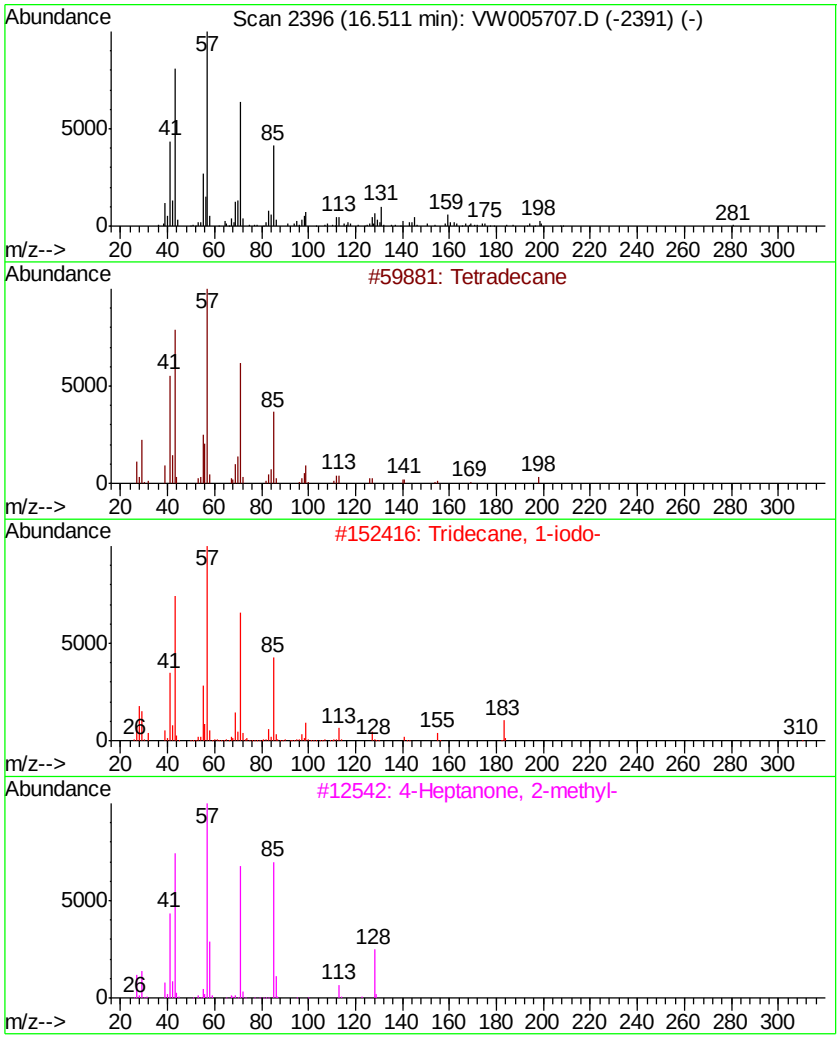
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

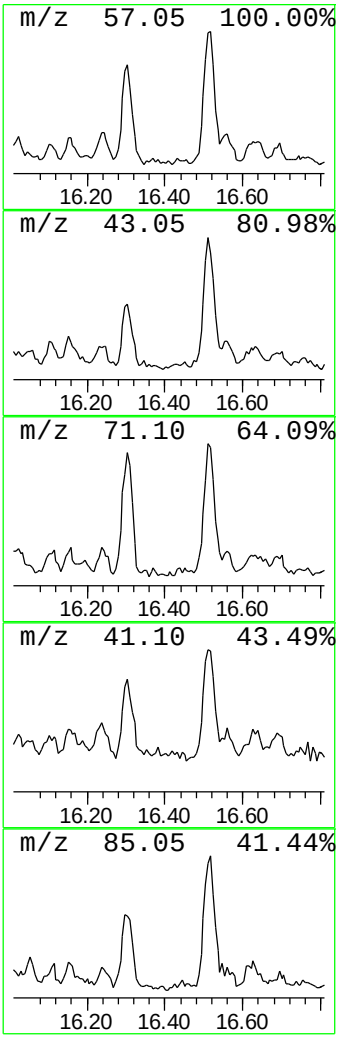
****

Peak Number 9 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	7.44 ug/l	90224	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
3	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	64
4	Pentadecane	212	C15H32	000629-62-9	64
5	Hexadecane	226	C16H34	000544-76-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

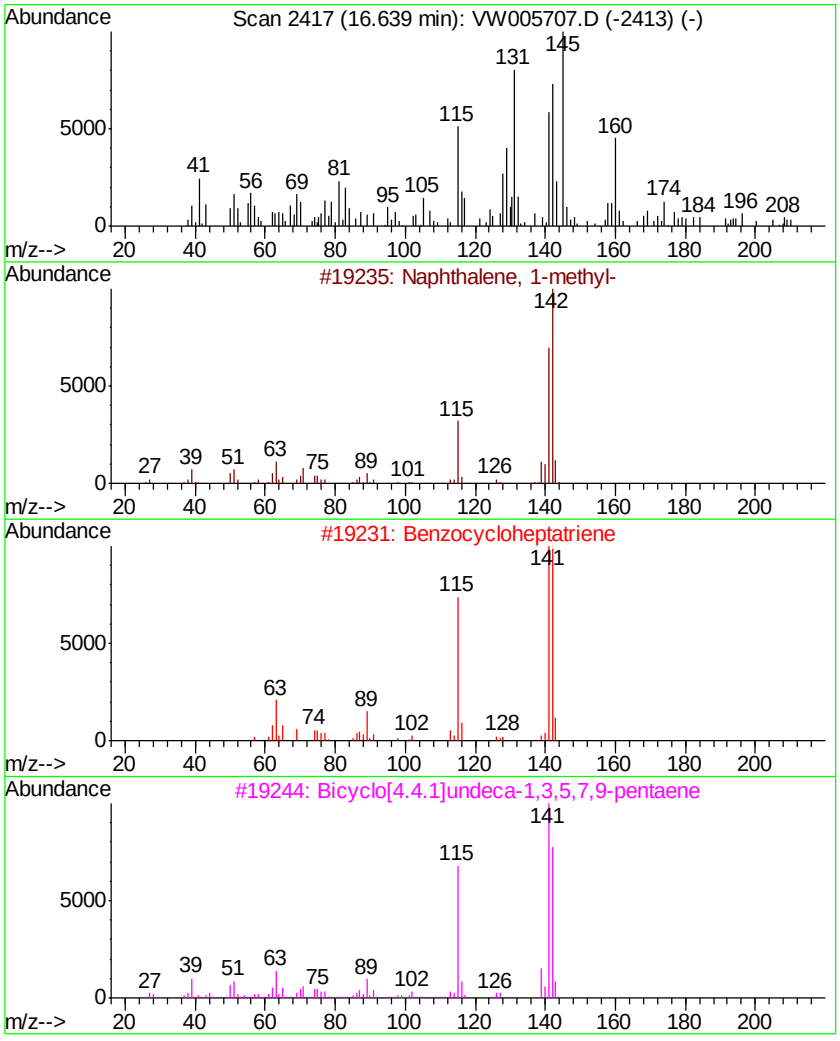
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

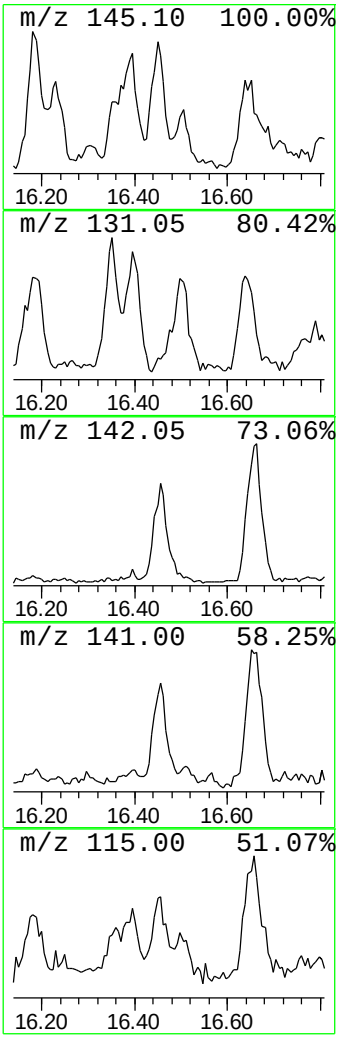
****

Peak Number 10 unknown16.46 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	10.39 ug/l	126025	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	46
2	Benzocycloheptatriene	142	C11H10	000264-09-5	38
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	38
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	35
5	Benzene, 1,3-bis(1-buten-3-yl-)-	186	C14H18	158117-62-5	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
Data File : VW005707.D
Acq On : 27 Sep 2018 18:18
Operator : VA/AP
Sample : J5118-02
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RA-092518-USTEXC-NW-R-064

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.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, 2,6-...	12.94	15.7	ug/l	189756	4	13.57	606185	50.0
Naphthalene, 1,4-...	13.50	8.4	ug/l	102290	4	13.57	606185	50.0
3-Phenylbut-1-ene	14.81	14.0	ug/l	169504	4	13.57	606185	50.0
Benzene, 1-ethyl-...	15.08	8.9	ug/l	108344	4	13.57	606185	50.0
1H-Indene, 2,3-di...	15.19	11.8	ug/l	143064	4	13.57	606185	50.0
1H-Indene, 2,3-di...	15.67	14.0	ug/l	169319	4	13.57	606185	50.0
1H-Indene, 2,3-di...	16.02	8.3	ug/l	99982	4	13.57	606185	50.0
Tetradecane	16.51	7.4	ug/l	90224	4	13.57	606185	50.0
unknown16.46	16.64	10.4	ug/l	126025	4	13.57	606185	50.0