LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

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\82W111218S.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	3.032	175	185	235	rBV	2984558	11509654	3.38%	0.640%
2	3.403	235	246	271	rBV3	2256755	10876313	3.20%	0.605%
3	3.867	311	322	355	rBV	2620703	13617690	4.00%	0.757%
4	5.025	481	512	571	rBV5	9084816	166373117	48.92%	9.254%
5	5.470	575	585	626	rVV3	4031356	48356913	14.22%	2.690%
6	5.988	657	670	671	rBV	6204662	21285855	6.26%	1.184%
7	6.318	717	724	739	rBV3	3600039	20611710	6.06%	1.147%
8	6.775	788	799	801	rBV3	3724112	13395282	3.94%	0.745%
9	7.061	828	846	918	rVB6	20284413	340076671	100.00%	18.917%
10	7.738	937	957	958	rBV2	13049222	48012550	14.12%	2.671%
11	8.049	985	1008	1010	rBV5	22040144	158184857	46.51%	8.799%
12	9.415	1216	1232	1238	rBV5	23337080	150409751	44.23%	8.366%
13	11.774	1610	1619	1624	rBV5	17957708	63618354	18.71%	3.539%
14	12.085	1666	1670	1677	rVB4	22266632	56660194	16.66%	3.152%
15	12.158	1677	1682	1691	rBV4	27576220	99533029	29.27%	5.536%
16	12.365	1705	1716	1720	rBV6	29545418	117468105	34.54%	6.534%
17	12.481	1731	1735	1740	rVB	16074374	27297257	8.03%	1.518%
18	12.579	1749	1751	1761	rVV5	8485397	14845292	4.37%	0.826%
19	12.658	1762	1764	1768	rVB2	8208305	10181286	2.99%	0.566%
20	12.713	1768	1773	1778	rVB3	12456422	20809635	6.12%	1.158%
21	12.810	1783	1789	1795	rVB2	34449970	80407221	23.64%	4.473%
22	12.908	1800	1805	1809	rVV	22296146	38588437	11.35%	2.146%
23	12.951	1809	1812	1817	rVV4	11196045	18257061	5.37%	1.016%
24	13.109	1833	1838	1845	rVB	10398785	18659133	5.49%	1.038%
25	13.188	1845	1851	1860	rVB5	3057024	8726192	2.57%	0.485%
26	13.591	1908	1917	1929	rVB	17448915	34474113	10.14%	1.918%
27	13.719	1933	1938	1941	rBV	2443660	4100112	1.21%	0.228%
28	13.761	1941	1945	1950	rBV	12081086	17959954	5.28%	0.999%
29	13.804	1950	1952	1960	rVB3	2899998	5471583	1.61%	0.304%
30	14.017	1983	1987	1994	rVB3	1792345	3522211	1.04%	0.196%
31	14.097	1994	2000	2005	rBV	8366565	13943654	4.10%	0.776%
32	14.206	2013	2018	2024	rVB2	5201856	8989424	2.64%	0.500%
33	14.347	2035	2041	2045	rBV4	2688362	5693949	1.67%	0.317%
34	14.420	2045	2053	2057	rBV	5566484	10657253	3.13%	0.593%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

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\82W111218S.M
Title : SW846 8260

35	14.505	2063	2067	2071	rBV	4609108	6566329	1.93%	0.365%
36	14.694	2093	2098	2103	rBV2	7212200	13805936	4.06%	0.768%
37	14.810	2110	2117	2122	rBV2	11303249	26220582	7.71%	1.459%
38	14.859	2122	2125	2131	rVB	3963596	7007943	2.06%	0.390%
39	15.036	2149	2154	2155	rBV2	2624186	3824839	1.12%	0.213%
40	15.072	2155	2160	2164	rVV2	5955311	10482303	3.08%	0.583%
41	15.188	2172	2179	2185	rVB2	7215667	16439226	4.83%	0.914%
42	15.481	2221	2227	2231	rVV2	2360533	4462972	1.31%	0.248%
43	15.529	2231	2235	2249	rVB5	2420366	6882398	2.02%	0.383%
44	15.663	2249	2257	2264	rBV	3301971	6405399	1.88%	0.356%
45	15.828	2275	2284	2289	rBV3	1478759	4425386	1.30%	0.246%
46	16.450	2379	2386	2399	rVB	4100947	8671649	2.55%	0.482%

Sum of corrected areas: 1797768774

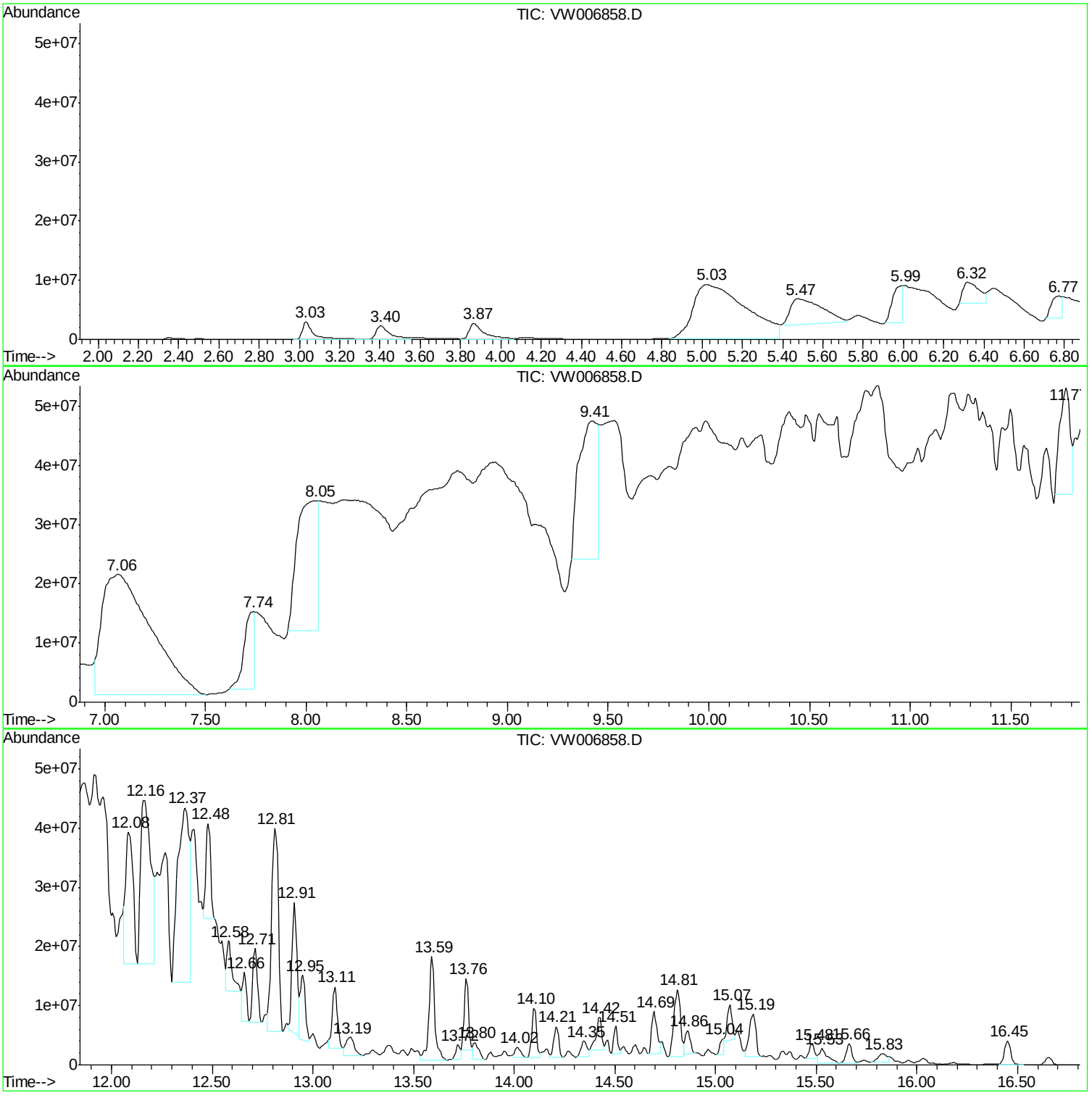
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.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\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

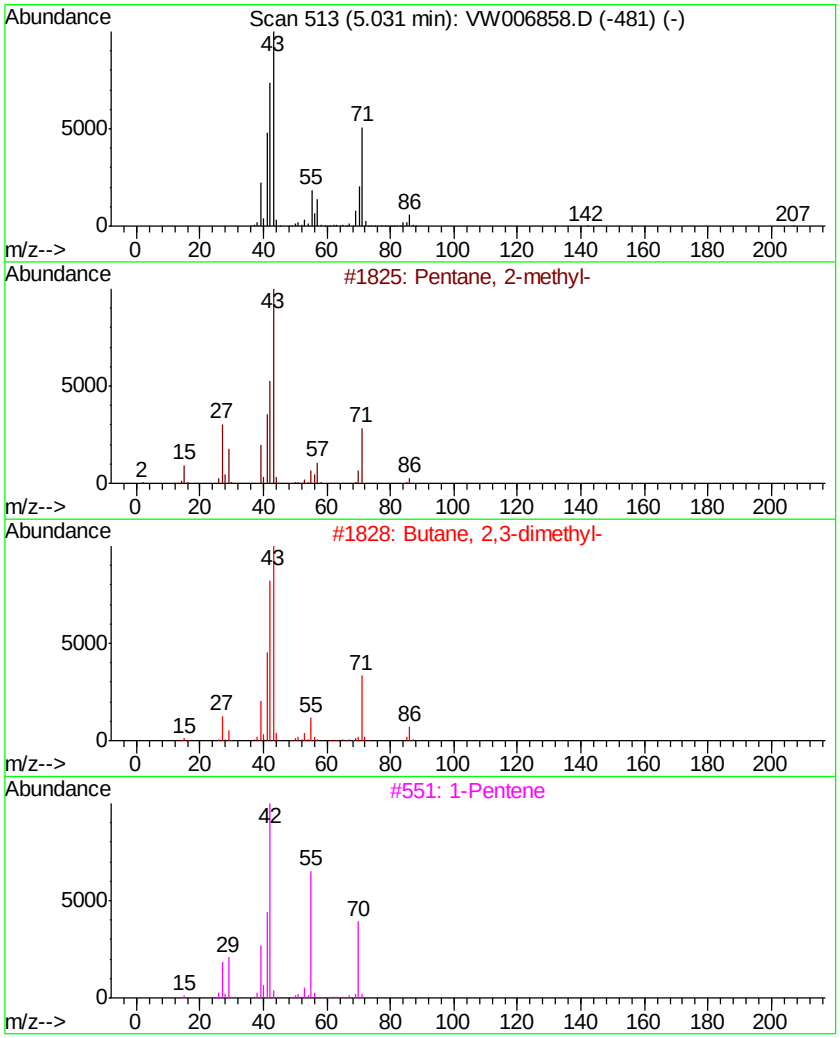
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

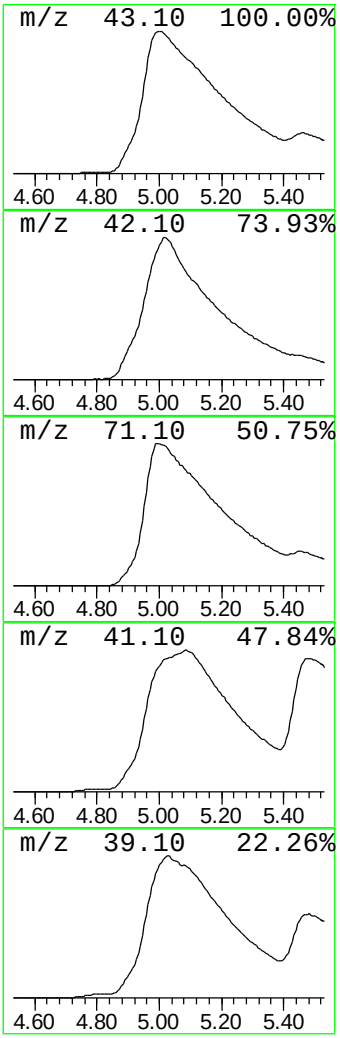
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	52.59 ug/l	166373000	Pentafluorobenzene	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
3	1-Pentene	70	C5H10	000109-67-1	43
4	Cyclopentane	70	C5H10	000287-92-3	43
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

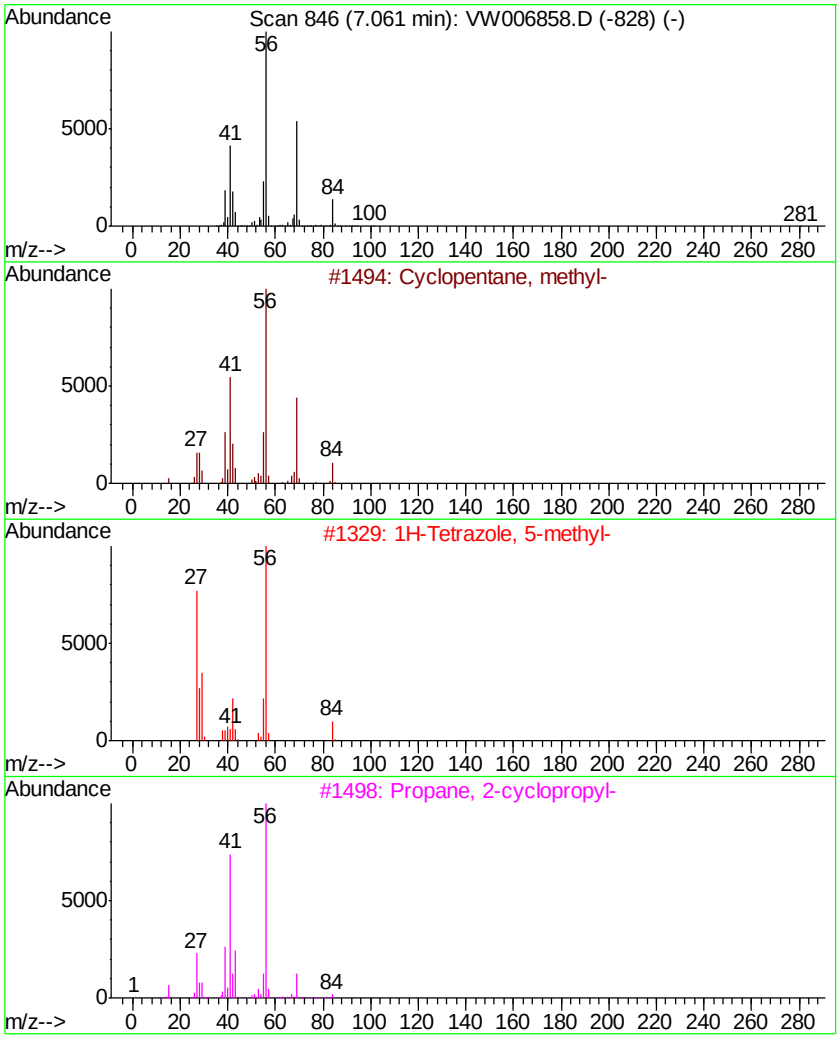
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

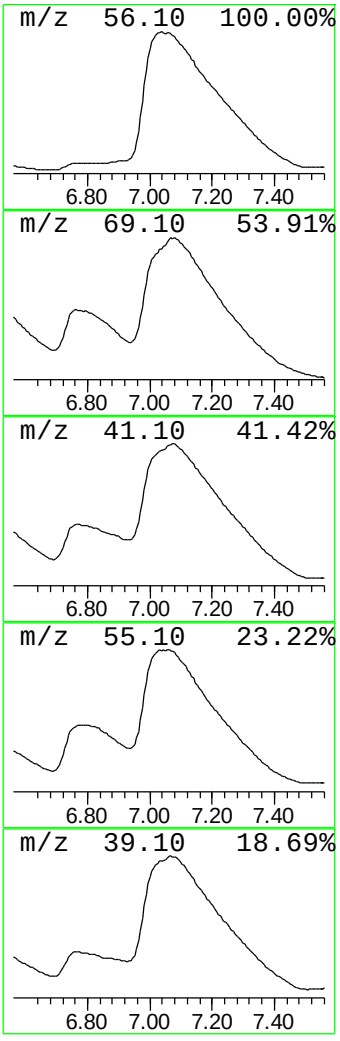
****

Peak Number 2 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	107.49 ug/l	340077000	Pentafluorobenzene	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	72
4	Cyclohexane	84	C6H12	000110-82-7	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

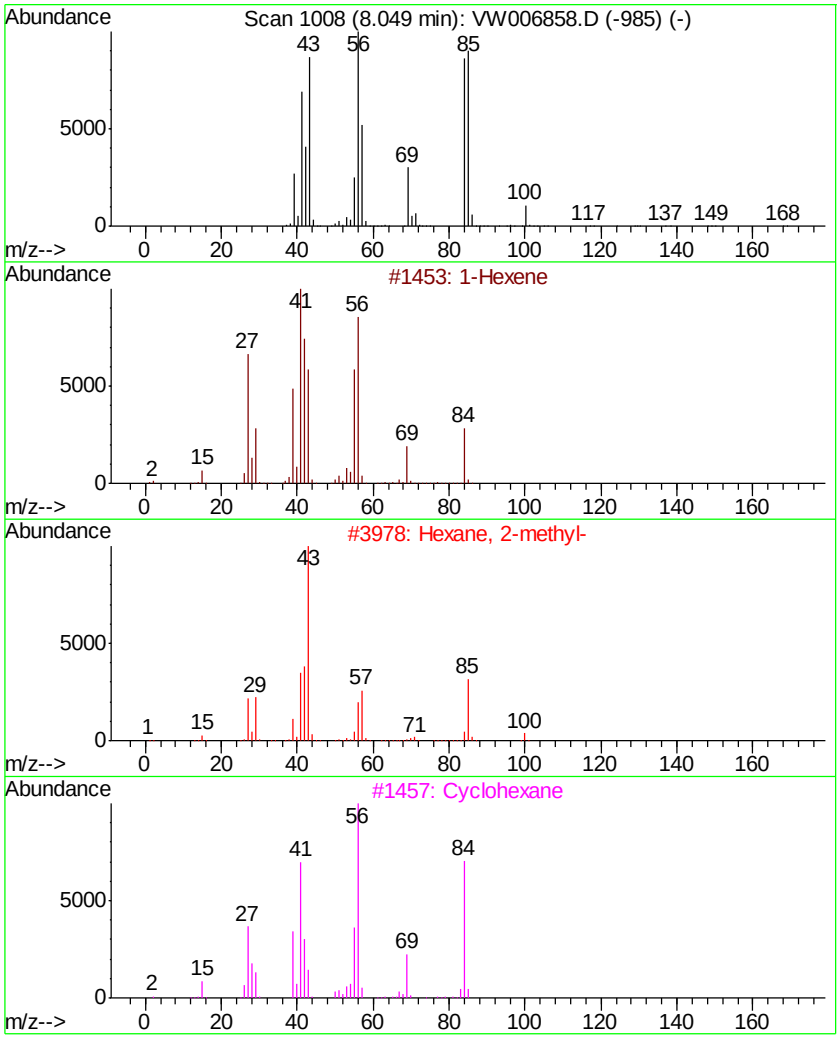
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

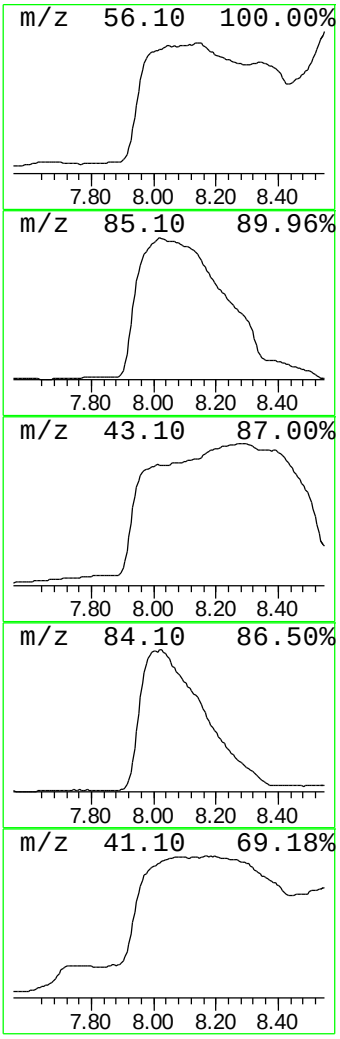
****

Peak Number 3 1-Hexene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	50.00 ug/l	158185000	Pentafluorobenzene	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	50
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	49
3	Cyclohexane	84	C6H12	000110-82-7	47
4	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	47
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

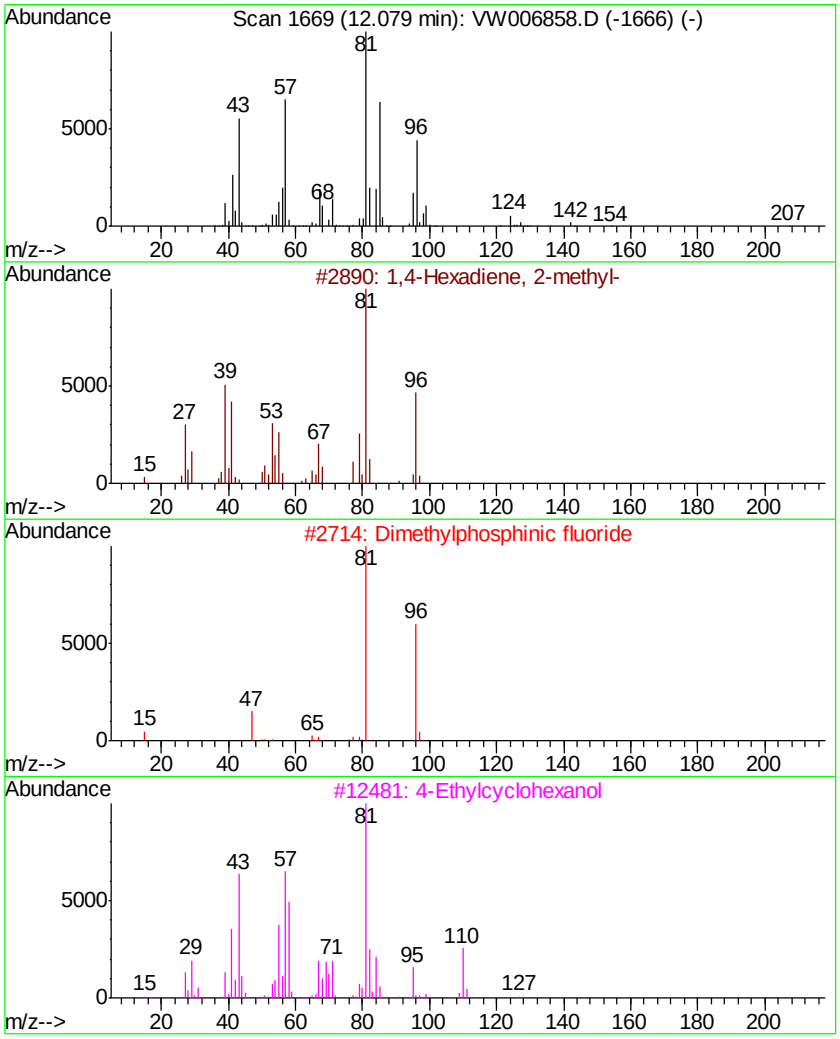
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

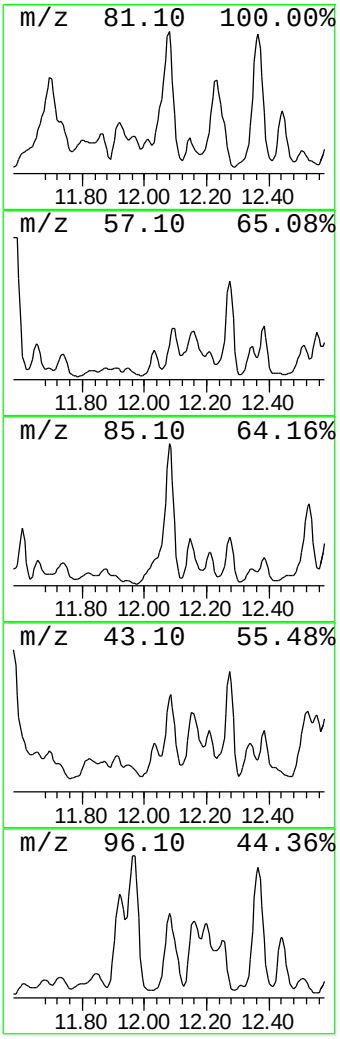
****

Peak Number 4 unknown12.08 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	44.53 ug/l	56660200	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	35
2	Dimethylphosphinic fluoride	96	C2H6FOP	000753-70-8	27
3	4-Ethylcyclohexanol	128	C8H16O	004534-74-1	27
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	22
5	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

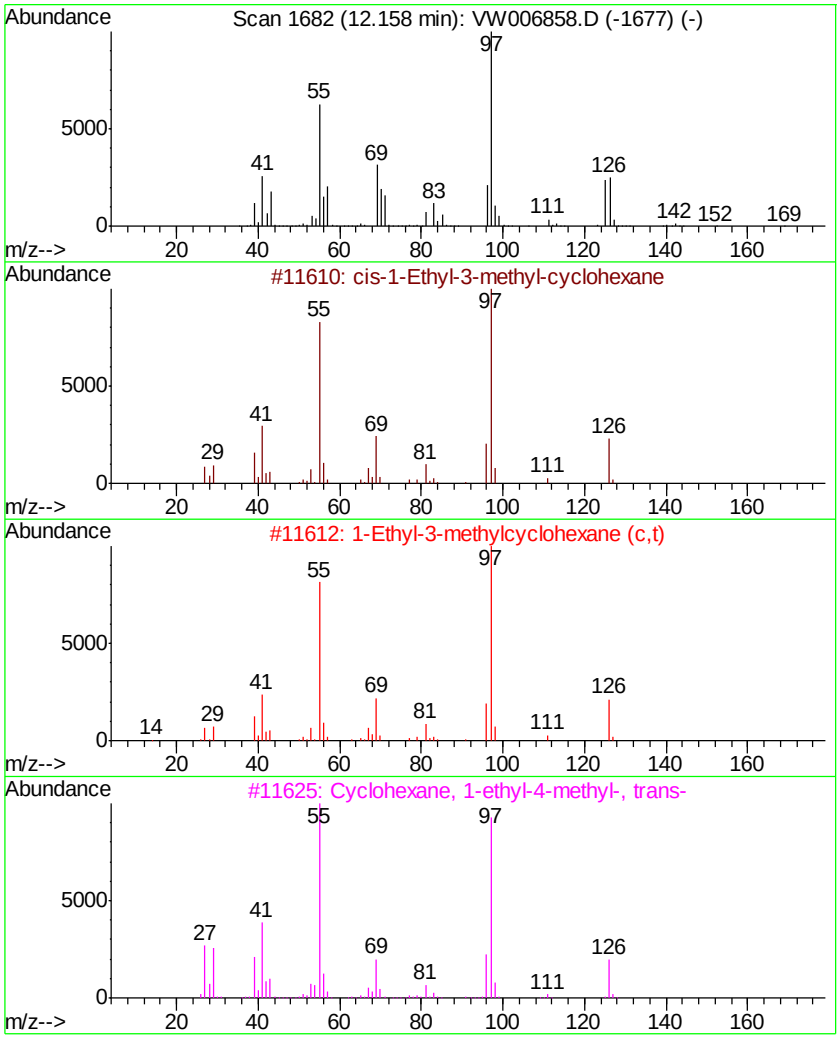
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

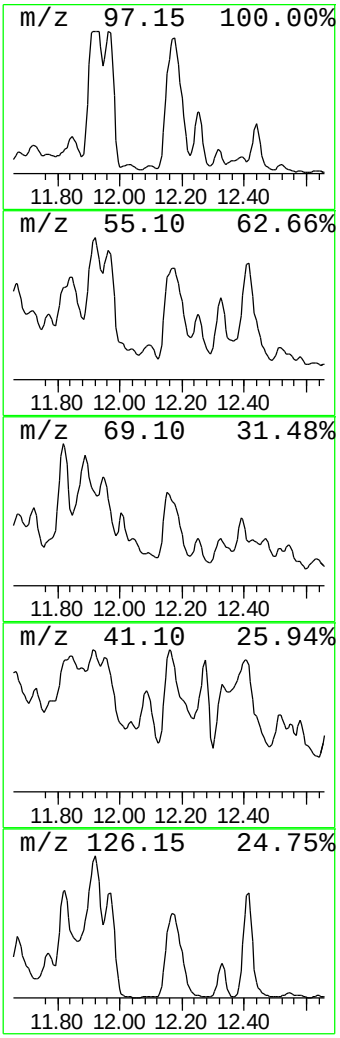
****

Peak Number 5 cis-1-Ethyl-3-methyl-cycloh... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	78.23 ug/l	99533000	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methylcyclohexane	126	C9H18	019489-10-2	64
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	52
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52
5	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

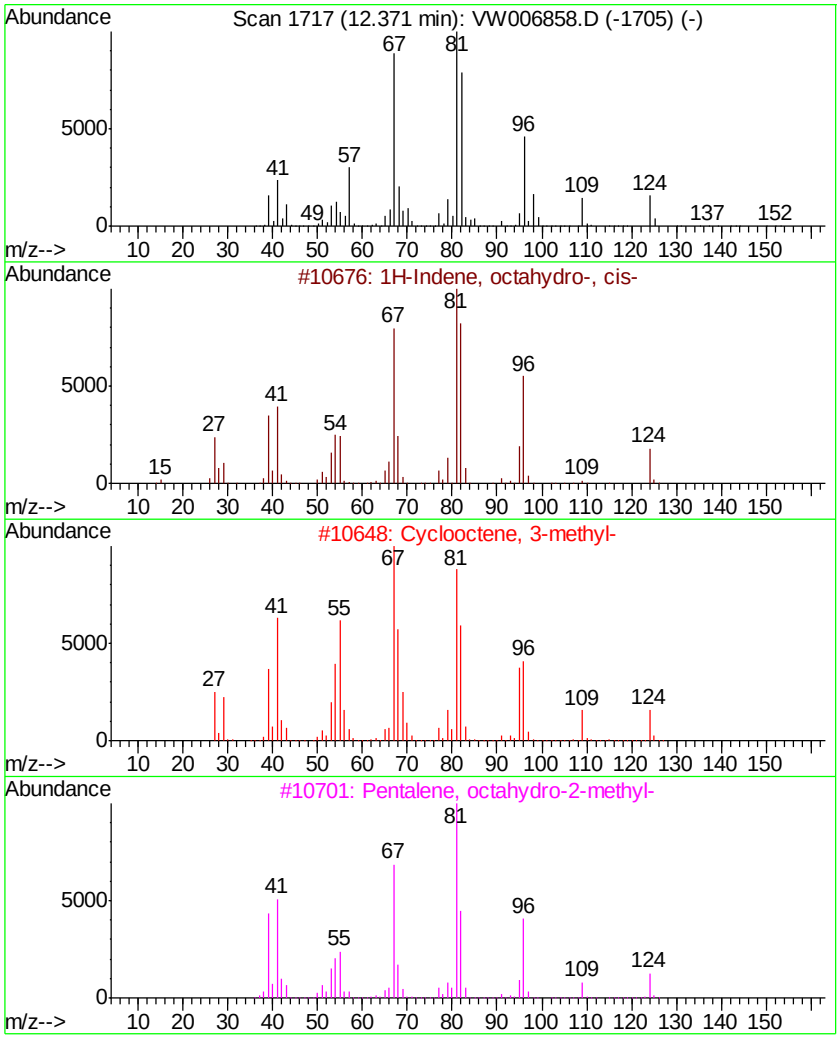
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

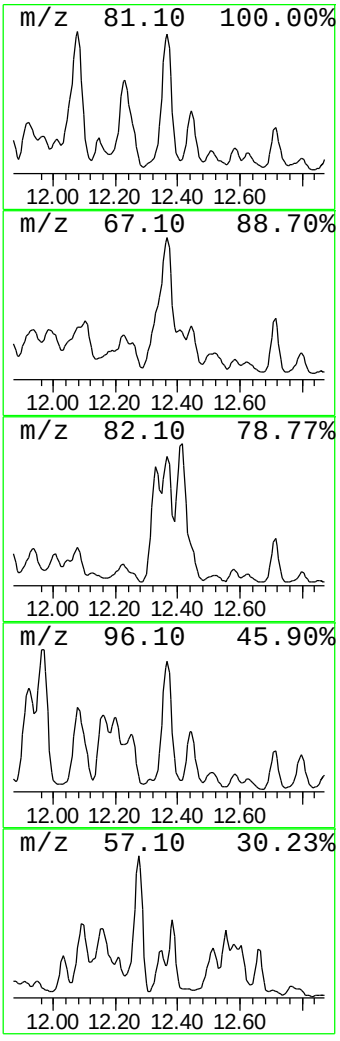
****

Peak Number 6 1H-Indene, octahydro-, cis- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	92.32 ug/l	117468000	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	90
2	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	86
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	83
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	49
5	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

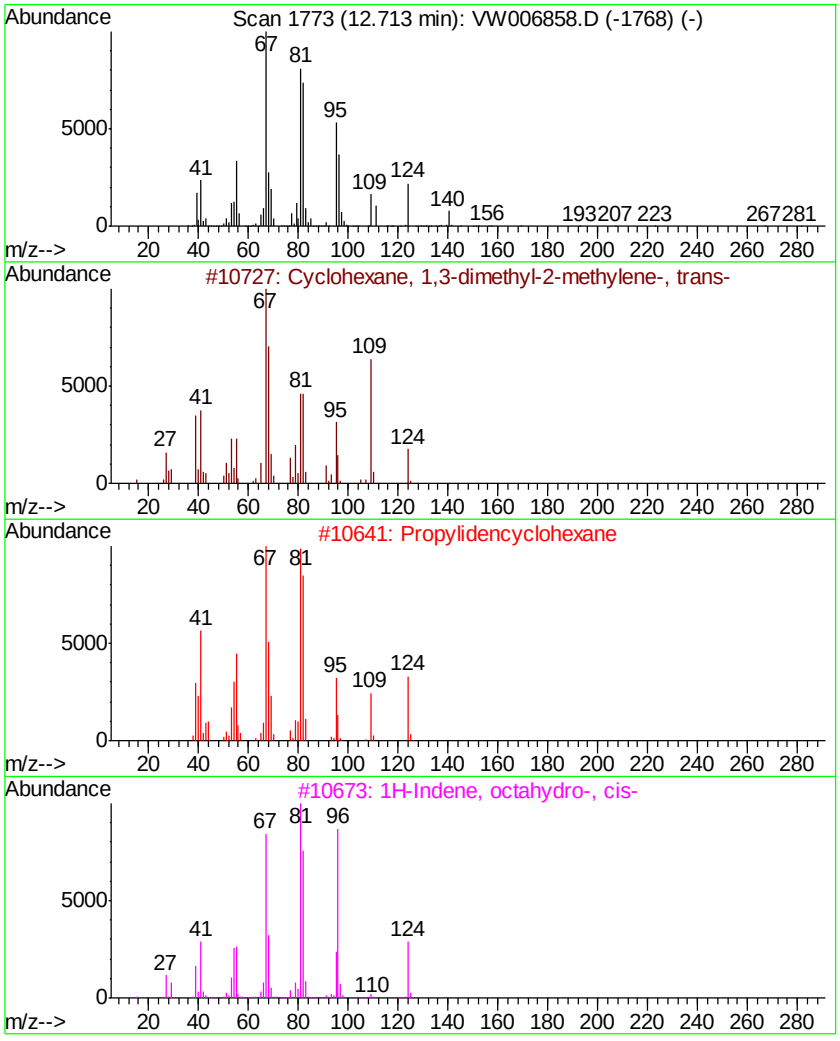
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

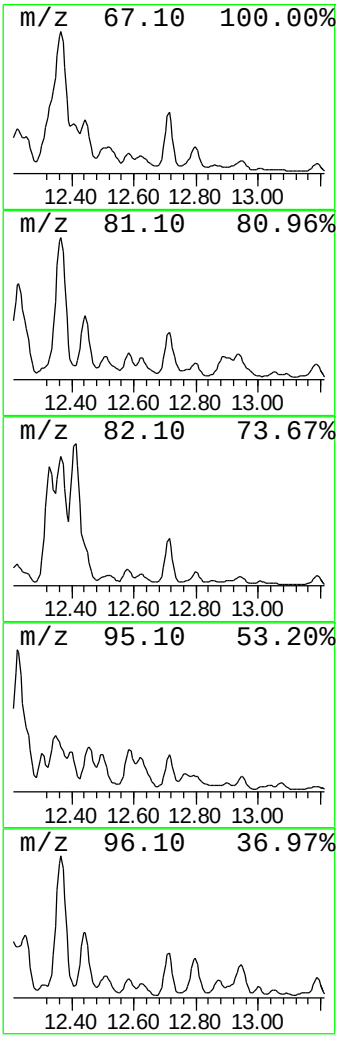
****

Peak Number 7 Cyclohexane, 1,3-dimethyl-2... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	30.18 ug/l	20809600	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	72
2	Propylidencyclohexane	124	C9H16	002129-93-3	68
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	58
4	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	53
5	1-Tridecyne	180	C13H24	026186-02-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

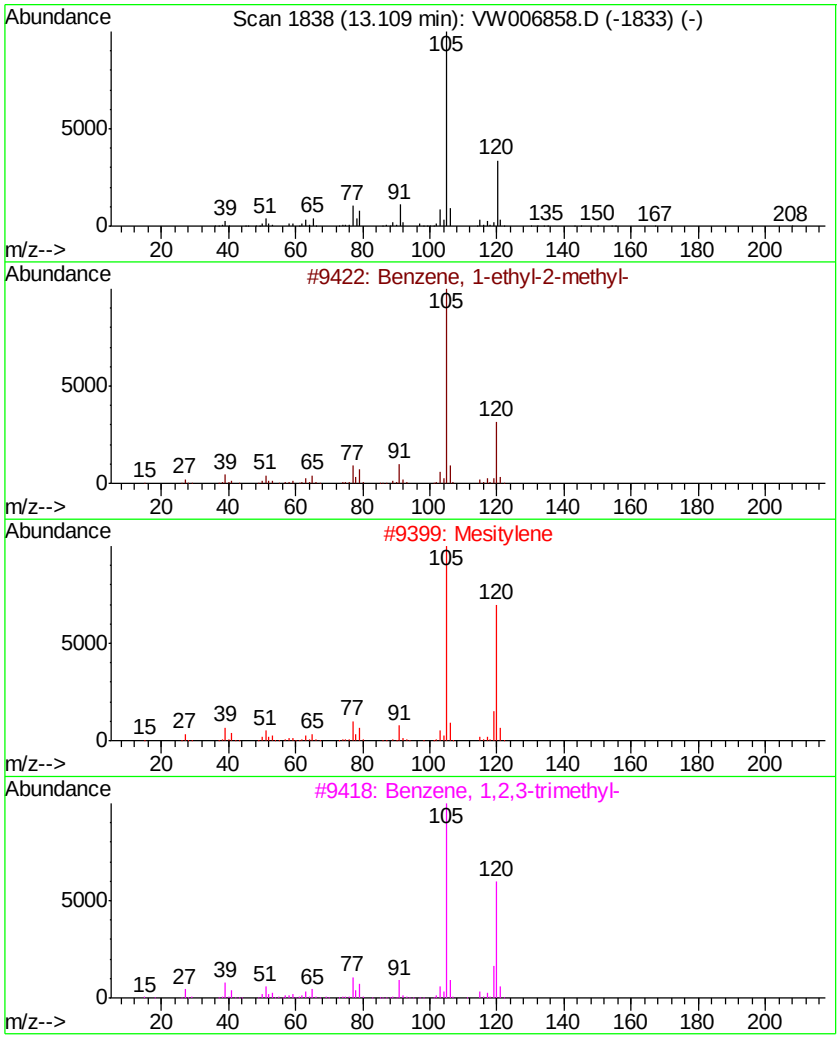
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

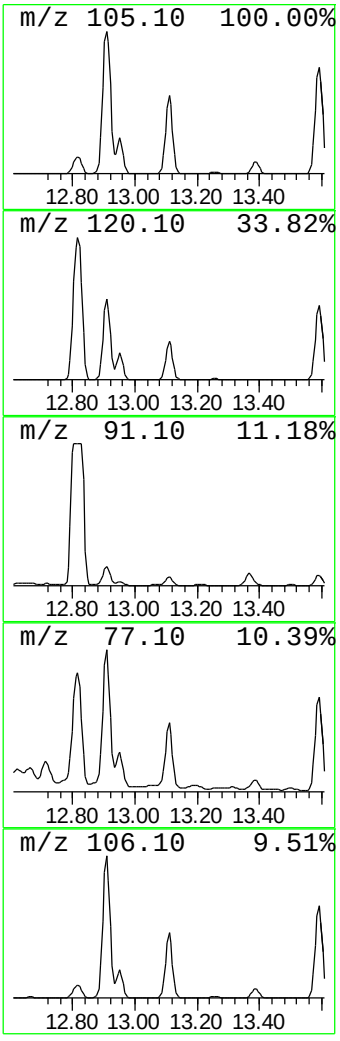
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	27.06 ug/l	18659100	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Mesitylene	120	C9H12	000108-67-8	90
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

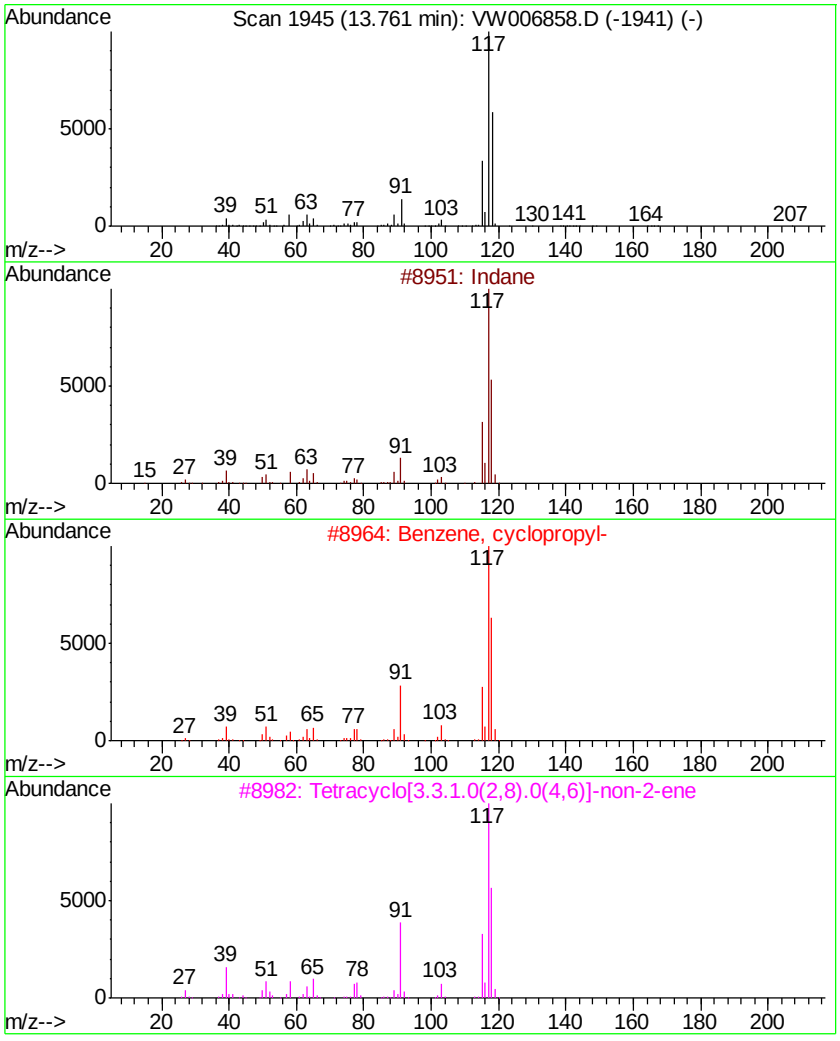
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

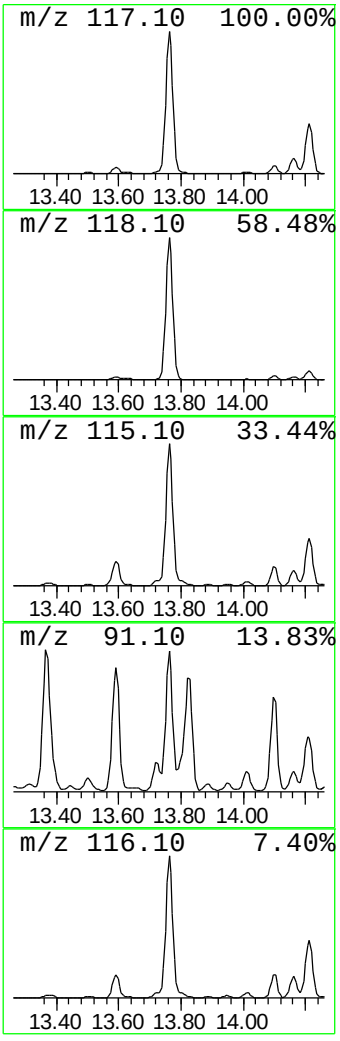
****

Peak Number 9 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	26.05 ug/l	17960000	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	74
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

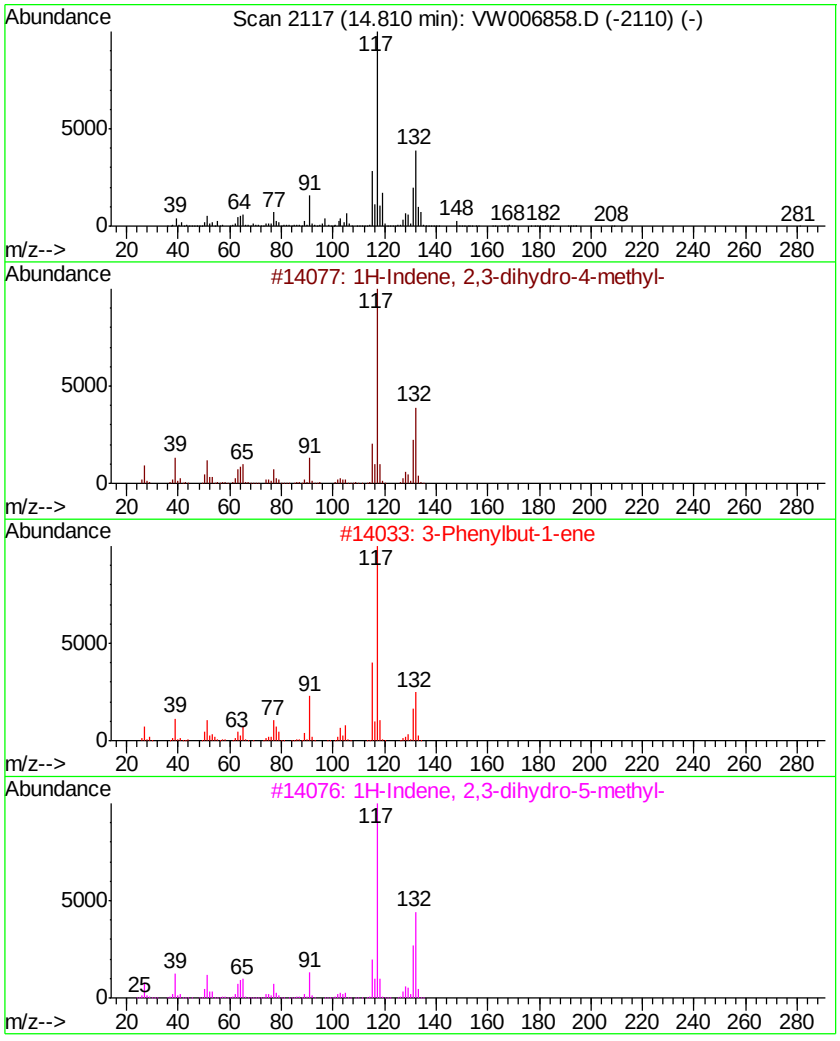
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

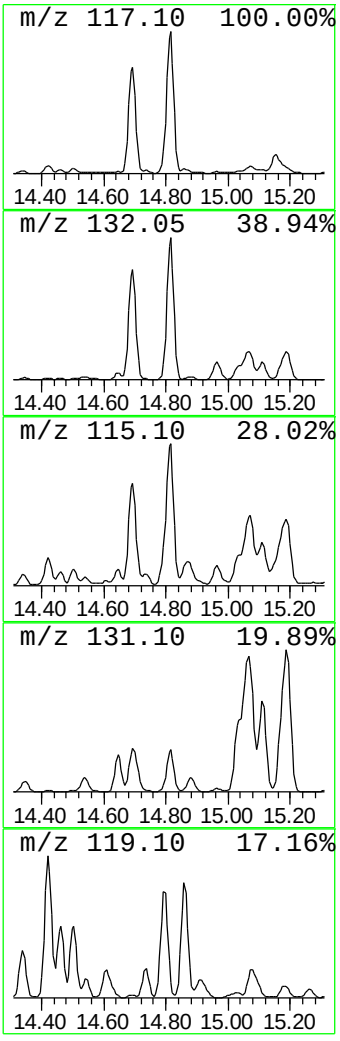
****

Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	38.03 ug/l	26220600	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006858.D
Acq On : 13 Nov 2018 16:54
Operator : SY/AP
Sample : J5860-25
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-111(17-19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.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
Pentane, 2-methyl-	5.03	52.6	ug/l	166373000	1	7.96	158185000	50.0
Cyclopentane, met...	7.06	107.5	ug/l	340077000	1	7.96	158185000	50.0
1-Hexene	8.05	50.0	ug/l	158185000	1	7.96	158185000	50.0
unknown12.08	12.08	44.5	ug/l	56660200	3	11.65	63618400	50.0
cis-1-Ethyl-3-met...	12.16	78.2	ug/l	99533000	3	11.65	63618400	50.0
1H-Indene, octahy...	12.37	92.3	ug/l	117468000	3	11.65	63618400	50.0
Cyclohexane, 1,3-...	12.71	30.2	ug/l	20809600	4	13.56	34474100	50.0
Benzene, 1-ethyl-...	13.11	27.1	ug/l	18659100	4	13.56	34474100	50.0
Indane	13.76	26.1	ug/l	17960000	4	13.56	34474100	50.0
1H-Indene, 2,3-di...	14.81	38.0	ug/l	26220600	4	13.56	34474100	50.0