LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

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_Y\METHODS\82Y112719S.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	1.865	16	21	28	rVB	42946	69909	1.05%	0.335%
2	4.718	475	489	500	rBV2	37117	123407	1.86%	0.591%
3	7.724	972	982	988	rBV	194268	467843	7.04%	2.240%
4	7.797	988	994	1004	rVB	354798	798280	12.02%	3.822%
5	8.151	1043	1052	1066	rBV2	223821	514312	7.74%	2.462%
6	8.693	1132	1141	1151	rBV2	556122	1107495	16.67%	5.302%
7	9.181	1209	1221	1228	rBV2	38488	83050	1.25%	0.398%
8	10.175	1376	1384	1392	rBV	912796	1624596	24.46%	7.777%
9	10.516	1429	1440	1447	rVB2	58865	120436	1.81%	0.577%
10	11.083	1529	1533	1539	rVB	81182	131218	1.98%	0.628%
11	11.290	1556	1567	1575	rVB5	38912	109374	1.65%	0.524%
12	11.485	1592	1599	1609	rBV	824227	1297061	19.53%	6.209%
13	11.583	1609	1615	1619	rBV2	51798	97958	1.47%	0.469%
14	11.693	1625	1633	1638	rBV	159371	338258	5.09%	1.619%
15	12.022	1675	1687	1695	rBV2	116287	304140	4.58%	1.456%
16	12.473	1756	1761	1767	rBV	573894	914730	13.77%	4.379%
17	12.638	1779	1788	1797	rVB2	45070	108345	1.63%	0.519%
18	12.729	1797	1803	1806	rBV	85224	136610	2.06%	0.654%
19	12.802	1811	1815	1821	rVB	110691	177957	2.68%	0.852%
20	12.967	1835	1842	1850	rVB	61518	111080	1.67%	0.532%
21	13.113	1861	1866	1871	rBV	179736	256240	3.86%	1.227%
22	13.418	1910	1916	1926	rVB2	715139	1248668	18.80%	5.978%
23	13.619	1945	1949	1953	rBV2	94921	130593	1.97%	0.625%
24	13.662	1953	1956	1965	rVB3	57566	100604	1.51%	0.482%
25	13.808	1974	1980	1986	rBV3	45497	89730	1.35%	0.430%
26	13.967	2001	2006	2011	rVB	55282	86049	1.30%	0.412%
27	14.076	2018	2024	2029	rBV2	55336	96155	1.45%	0.460%
28	14.284	2049	2058	2062	rBV5	35545	89118	1.34%	0.427%
29	14.674	2115	2122	2129	rBV3	92320	199164	3.00%	0.953%
30	14.826	2142	2147	2153	rBV2	61027	99875	1.50%	0.478%
31	15.229	2205	2213	2222	rVB	3998346	6641828	100.00%	31.797%
32	15.326	2223	2229	2236	rVB	101130	176669	2.66%	0.846%
33	16.283	2379	2386	2399	rVB	923011	1823600	27.46%	8.730%
34	16.478	2411	2418	2428	rVB	591078	1214067	18.28%	5.812%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

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_Y\METHODS\82Y112719S.M
Title : SW846 8260

Sum of corrected areas: 20888419

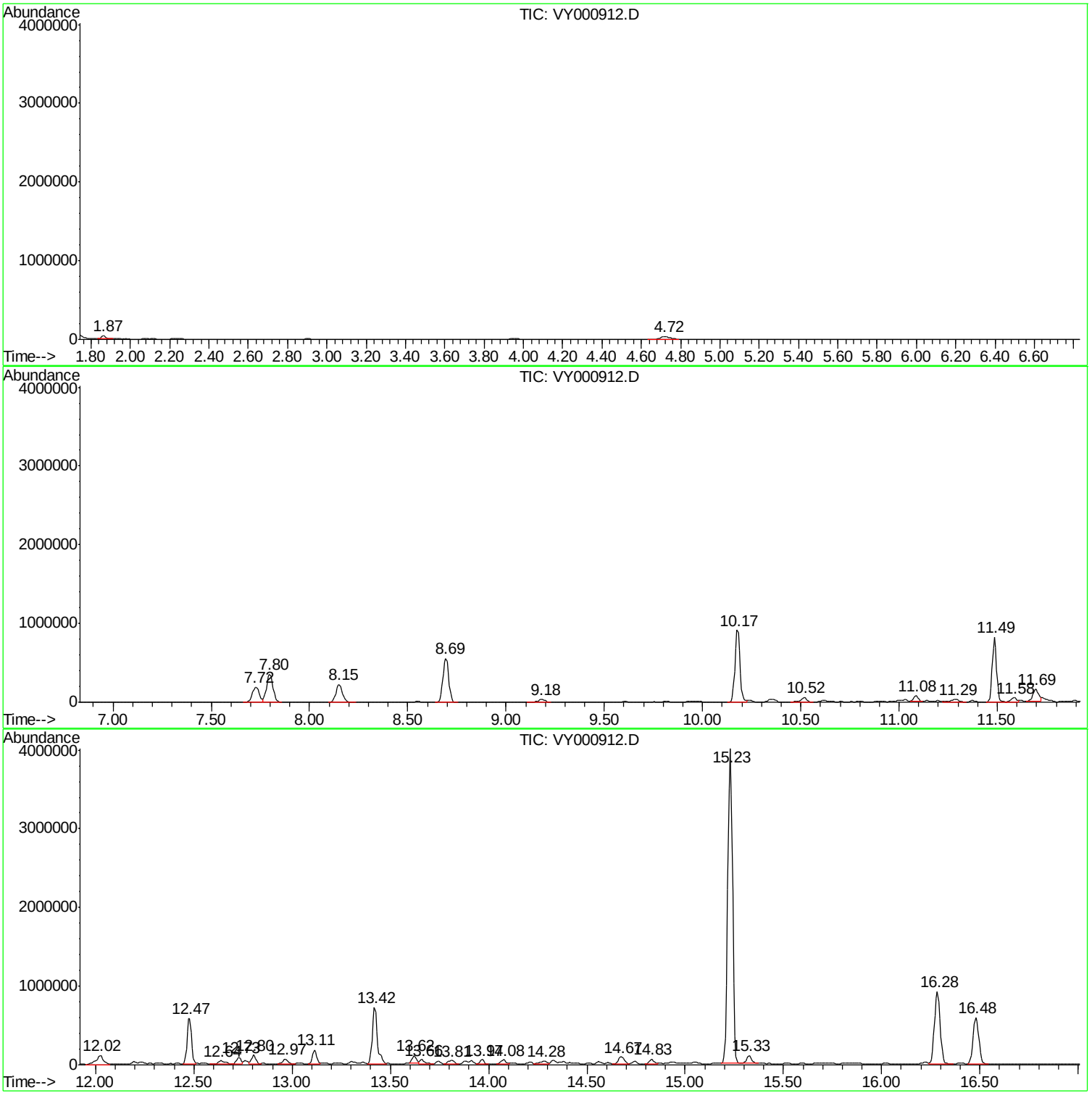
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.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_Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

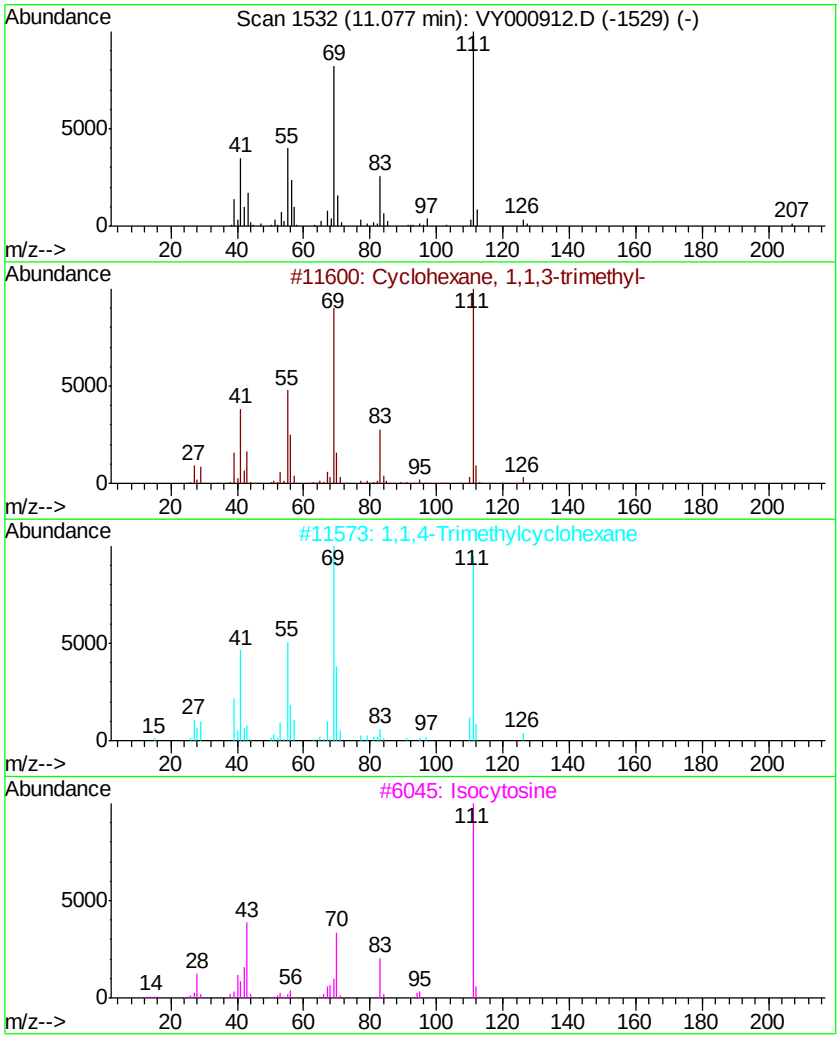
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

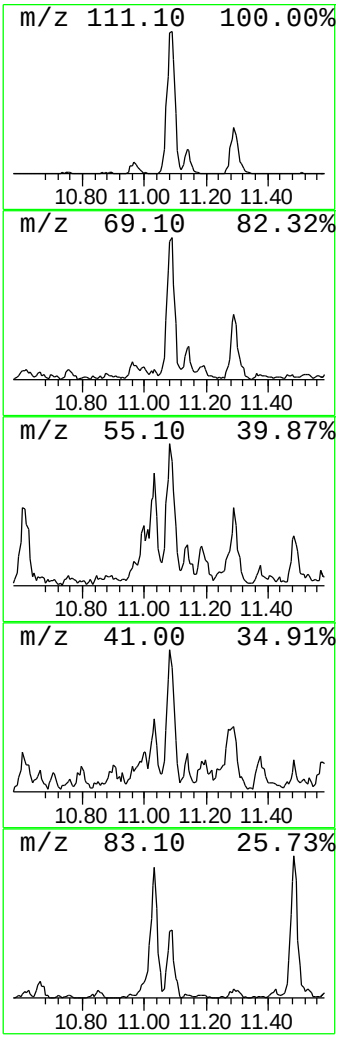
****

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	5.06 ug/l	131218	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	58
3	Isocytosine	111	C4H5N3O	000108-53-2	58
4	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	53
5	2(1H)-Pyridinone, 5-hydroxy-	111	C5H5NO2	005154-01-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

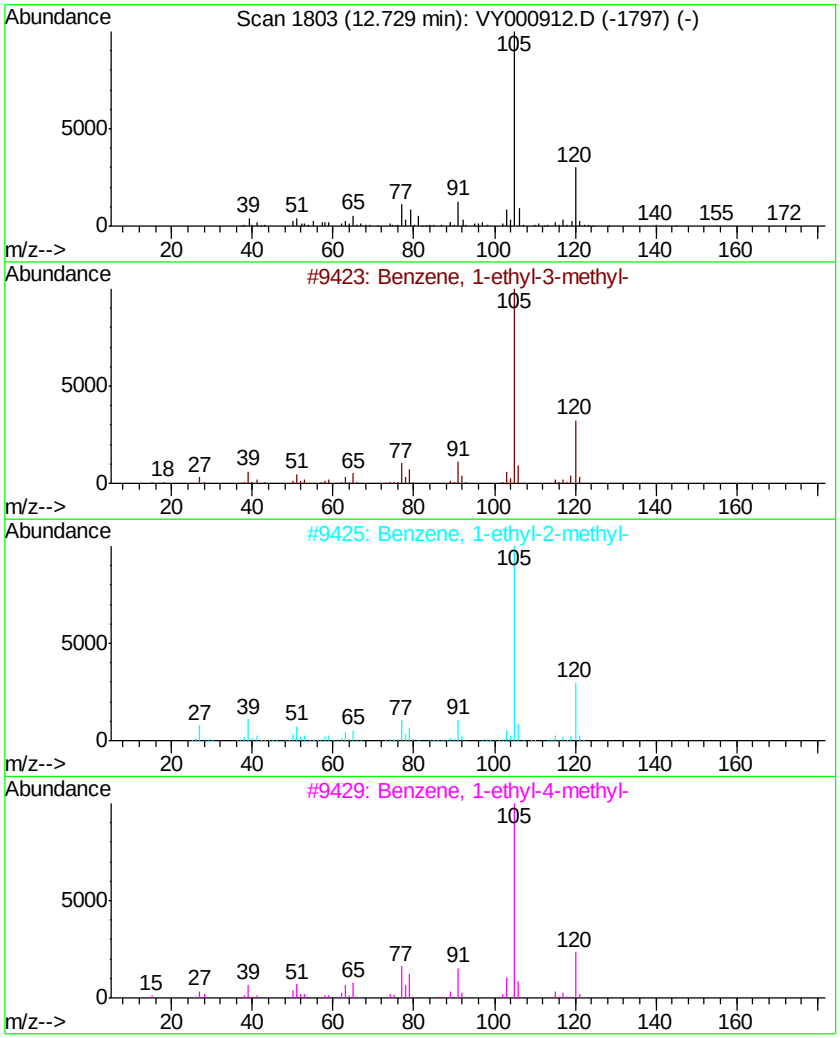
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

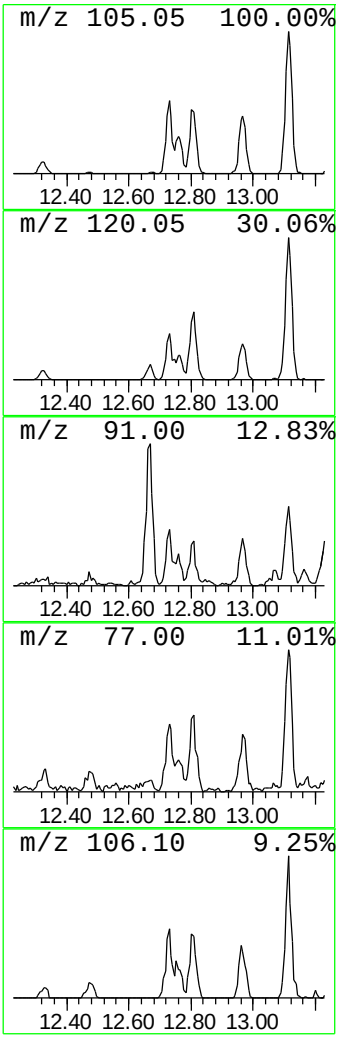
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	5.47 ug/l	136610	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

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

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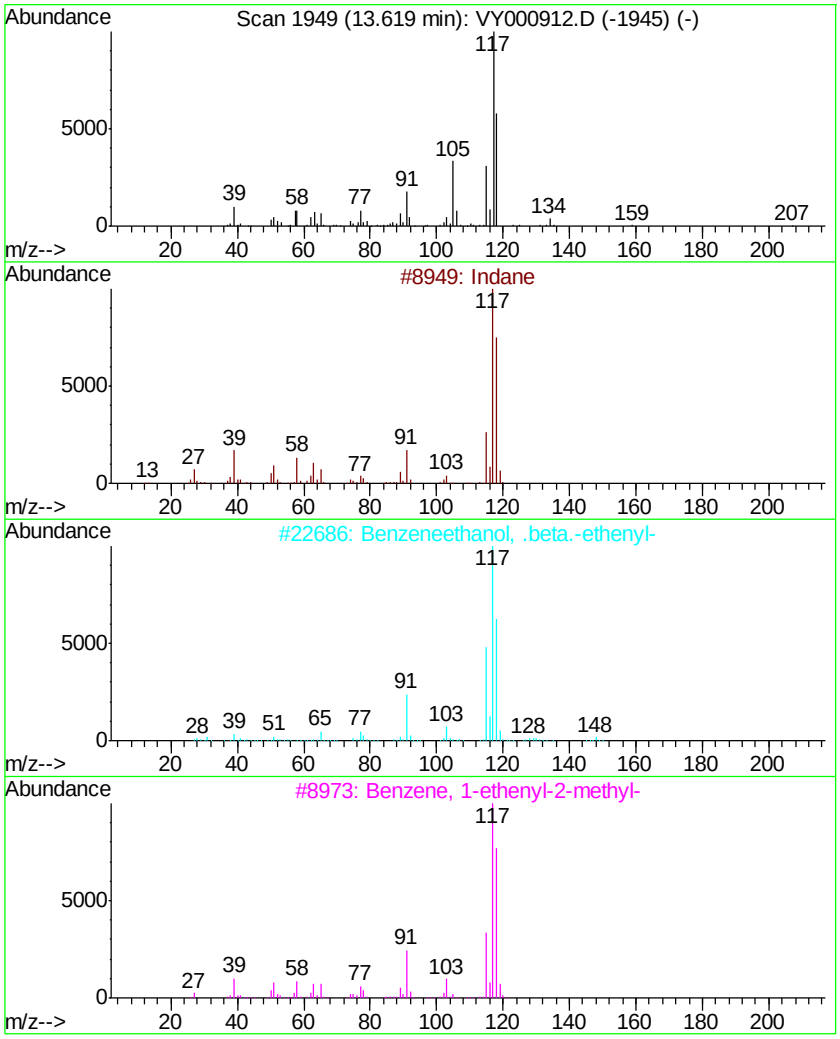
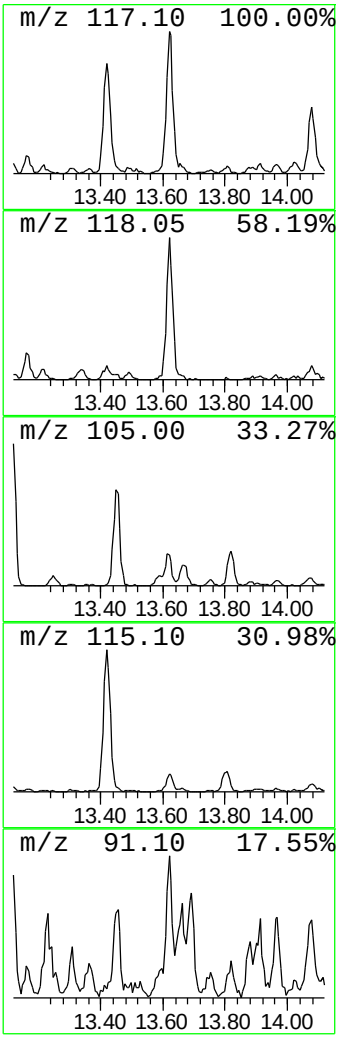
Peak Number 3 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	5.23 ug/l	130593	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	62
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

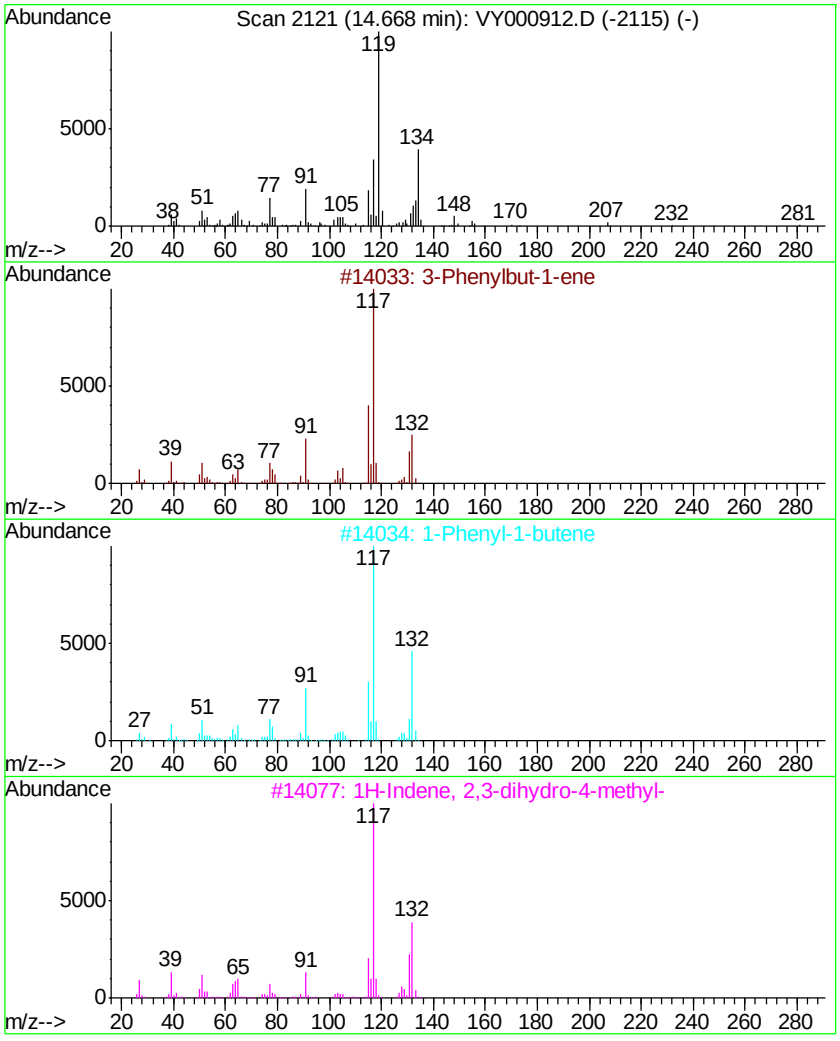
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

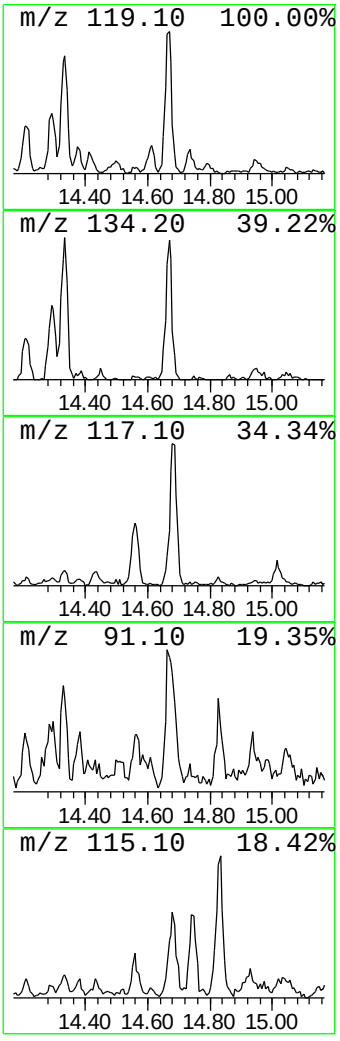
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	7.98 ug/l	199164	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	49
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
Operator : SY/MD
Sample : K6111-01
Misc : 6.94G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : CL-01-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

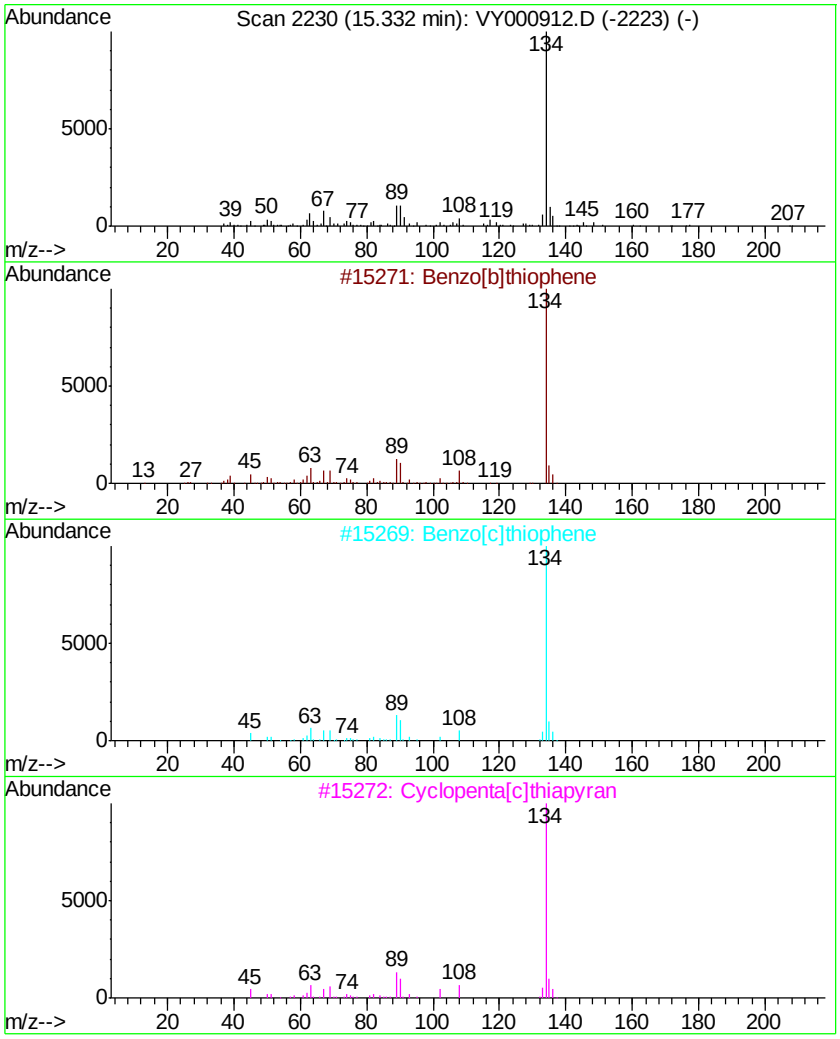
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

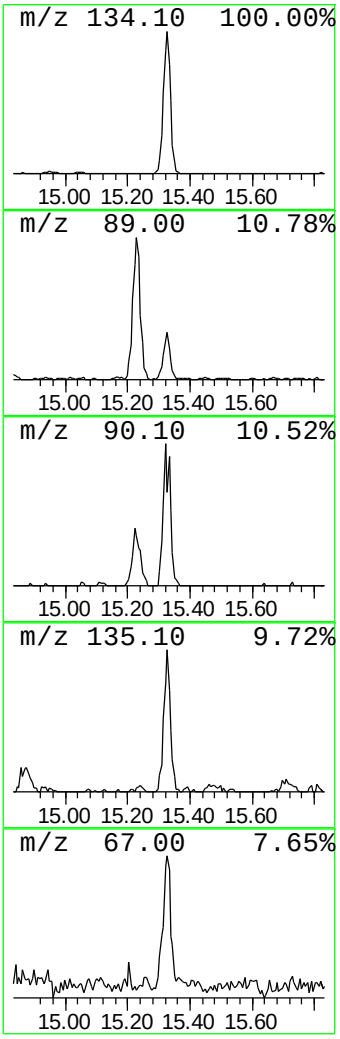
****

Peak Number 5 Benzo[b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	7.07 ug/l	176669	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	83
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	64
4	6-Phenyl-[1,3]thiazine-2,4-dione	205	C10H7NO2S	1000300-90-1	64
5	5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	50





Library Search Compound Report

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ClientSampleId : CL-01-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

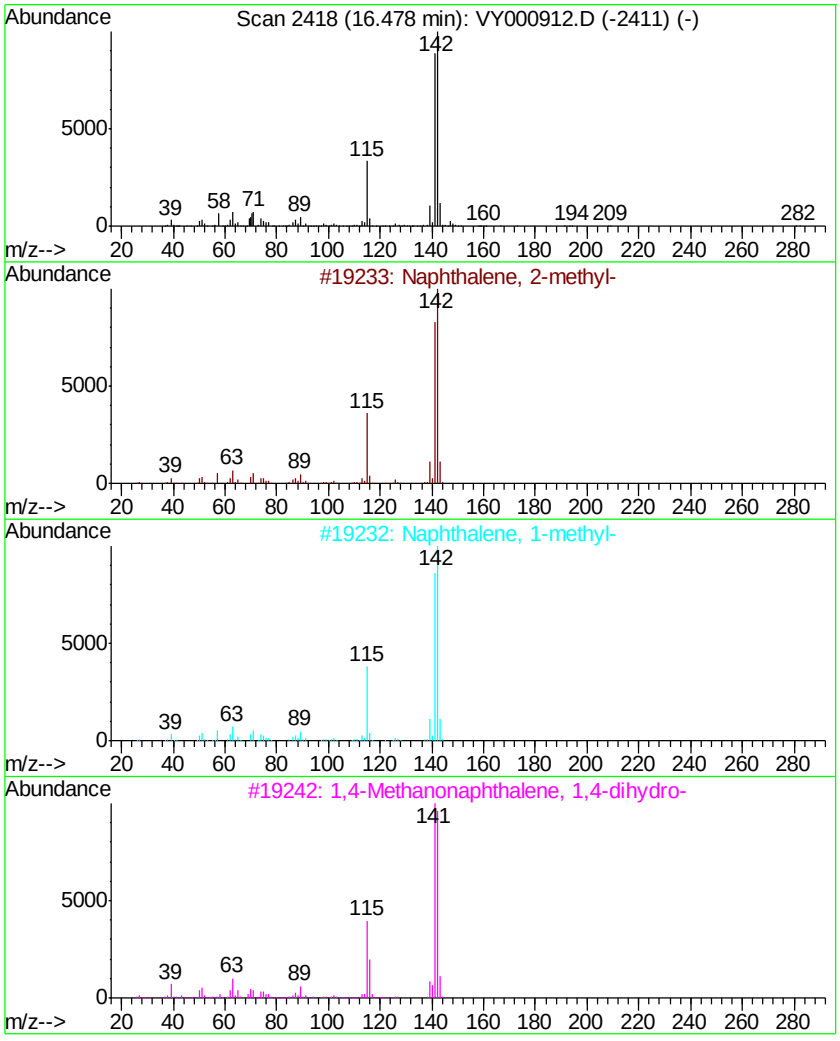
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

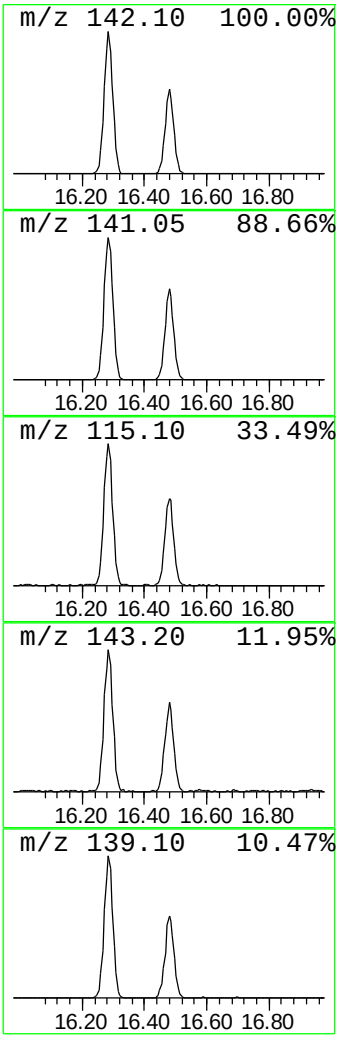
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	48.61 ug/l	1214070	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000912.D
Acq On : 09 Dec 2019 13:37
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ALS Vial : 8 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.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
Cyclohexane, 1,1,...	11.08	5.1	ug/l	131218	3	11.49	1297060	50.0
Benzene, 1-ethyl-...	12.73	5.5	ug/l	136610	4	13.42	1248670	50.0
Indane	13.62	5.2	ug/l	130593	4	13.42	1248670	50.0
3-Phenylbut-1-ene	14.67	8.0	ug/l	199164	4	13.42	1248670	50.0
Benzo[b]thiophene	15.33	7.1	ug/l	176669	4	13.42	1248670	50.0
Naphthalene, 1-me...	16.48	48.6	ug/l	1214070	4	13.42	1248670	50.0