LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

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_X\METHOD\82X112918W.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	5.507	702	714	726	rBV	358635	1050140	1.49%	0.303%
2	5.659	729	739	755	rVB	630467	1802876	2.56%	0.521%
3	6.068	796	806	819	rBV	376307	969280	1.38%	0.280%
4	6.860	926	936	947	rBV	962675	2224661	3.16%	0.643%
5	8.714	1235	1240	1249	rVB	1980066	3143984	4.46%	0.908%
6	9.890	1425	1433	1441	rBV2	349314	754002	1.07%	0.218%
7	10.116	1465	1470	1475	rBV	1922999	2632803	3.74%	0.761%
8	10.250	1486	1492	1497	rBV	2481319	3378064	4.80%	0.976%
9	10.360	1501	1510	1516	rBV2	5382634	8628829	12.25%	2.493%
10	10.408	1516	1518	1530	rVB	533864	858838	1.22%	0.248%
11	10.640	1543	1556	1563	rBV4	1227608	3014491	4.28%	0.871%
12	10.835	1580	1588	1592	rBV2	2730038	4146095	5.89%	1.198%
13	10.908	1592	1600	1604	rBV3	2274209	3677852	5.22%	1.063%
14	10.951	1604	1607	1612	rVB	723603	1013377	1.44%	0.293%
15	11.018	1612	1618	1622	rBV	9406567	11869204	16.85%	3.429%
16	11.140	1633	1638	1642	rVB	2136045	2836460	4.03%	0.820%
17	11.183	1642	1645	1649	rBV	787508	923389	1.31%	0.267%
18	11.274	1653	1660	1669	rVB2	1755553	3034145	4.31%	0.877%
19	11.359	1669	1674	1679	rBV	16164241	20453552	29.04%	5.910%
20	11.457	1682	1690	1693	rVV	6440211	13922101	19.76%	4.023%
21	11.506	1693	1698	1707	rVB	8137773	12082890	17.15%	3.491%
22	11.676	1720	1726	1732	rVB5	1022942	2167228	3.08%	0.626%
23	11.768	1738	1741	1744	rVV	2863911	3605360	5.12%	1.042%
24	11.811	1744	1748	1758	rVB2	55925044	70441535	100.00%	20.353%
25	11.920	1758	1766	1768	rBV	2470406	3977371	5.65%	1.149%
26	11.945	1768	1770	1775	rVV	4714292	5606416	7.96%	1.620%
27	12.000	1775	1779	1781	rVV	1080628	1374881	1.95%	0.397%
28	12.024	1781	1783	1787	rVV	1538998	1919412	2.72%	0.555%
29	12.073	1787	1791	1797	rVB2	3113708	5607483	7.96%	1.620%
30	12.146	1797	1803	1809	rBV	15298184	18906211	26.84%	5.463%
31	12.231	1812	1817	1823	rVB	2281832	3159580	4.49%	0.913%
32	12.298	1823	1828	1836	rBV	17932420	24927244	35.39%	7.202%
33	12.371	1836	1840	1847	rVB3	6821126	12317072	17.49%	3.559%
34	12.463	1847	1855	1861	rBV2	2558940	3707047	5.26%	1.071%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
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Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

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_X\METHOD\82X112918W.M
Title : SW846 8260

35	12.518	1861	1864	1870	rVB3	524934	907611	1.29%	0.262%
36	12.585	1870	1875	1877	rBV	4345870	5475592	7.77%	1.582%
37	12.609	1877	1879	1884	rVB	4358062	4805750	6.82%	1.389%
38	12.670	1884	1889	1892	rBV	12182910	13943332	19.79%	4.029%
39	12.701	1892	1894	1898	rVB	3396953	3706505	5.26%	1.071%
40	12.762	1898	1904	1911	rBV2	8229603	13742268	19.51%	3.971%
41	12.902	1921	1927	1931	rVB2	2449890	3737809	5.31%	1.080%
42	12.975	1931	1939	1943	rBV	5566273	7890994	11.20%	2.280%
43	13.018	1943	1946	1952	rVB	5523440	6604730	9.38%	1.908%
44	13.079	1952	1956	1962	rBV3	876557	1352178	1.92%	0.391%
45	13.194	1971	1975	1977	rBV2	868228	1034557	1.47%	0.299%
46	13.225	1977	1980	1983	rVB	1130629	1207360	1.71%	0.349%
47	13.310	1989	1994	1996	rBV3	595649	933176	1.32%	0.270%
48	13.347	1996	2000	2006	rVB2	8462053	11671002	16.57%	3.372%
49	13.481	2016	2022	2025	rBV	2720315	3613634	5.13%	1.044%
50	13.603	2038	2042	2045	rBV	923447	1236835	1.76%	0.357%
51	13.640	2045	2048	2053	rVB4	713064	1075221	1.53%	0.311%
52	13.719	2054	2061	2065	rBV3	669073	1243900	1.77%	0.359%
53	13.835	2076	2080	2087	rVB	1252224	1785690	2.53%	0.516%

Sum of corrected areas: 346102017

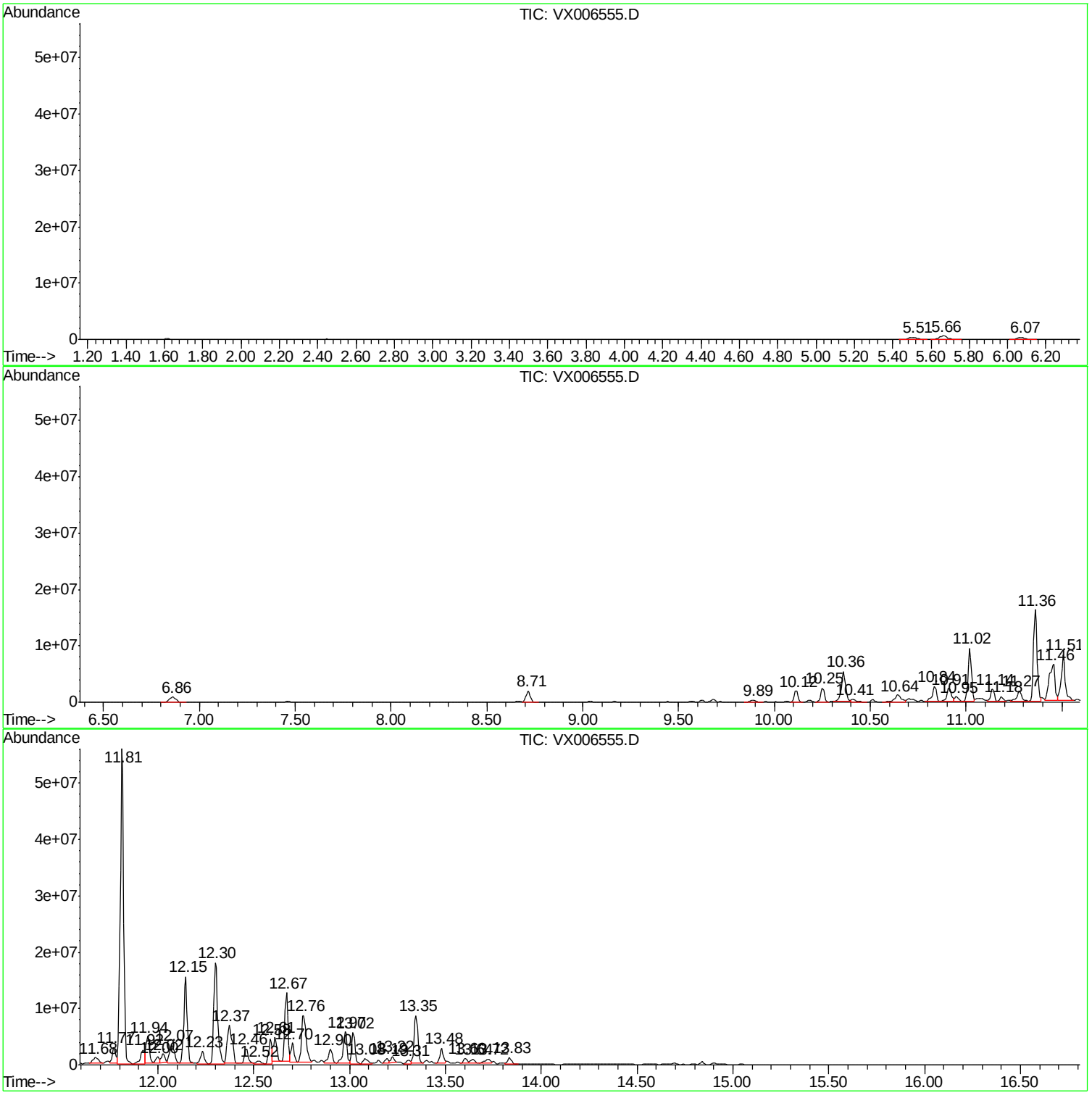
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

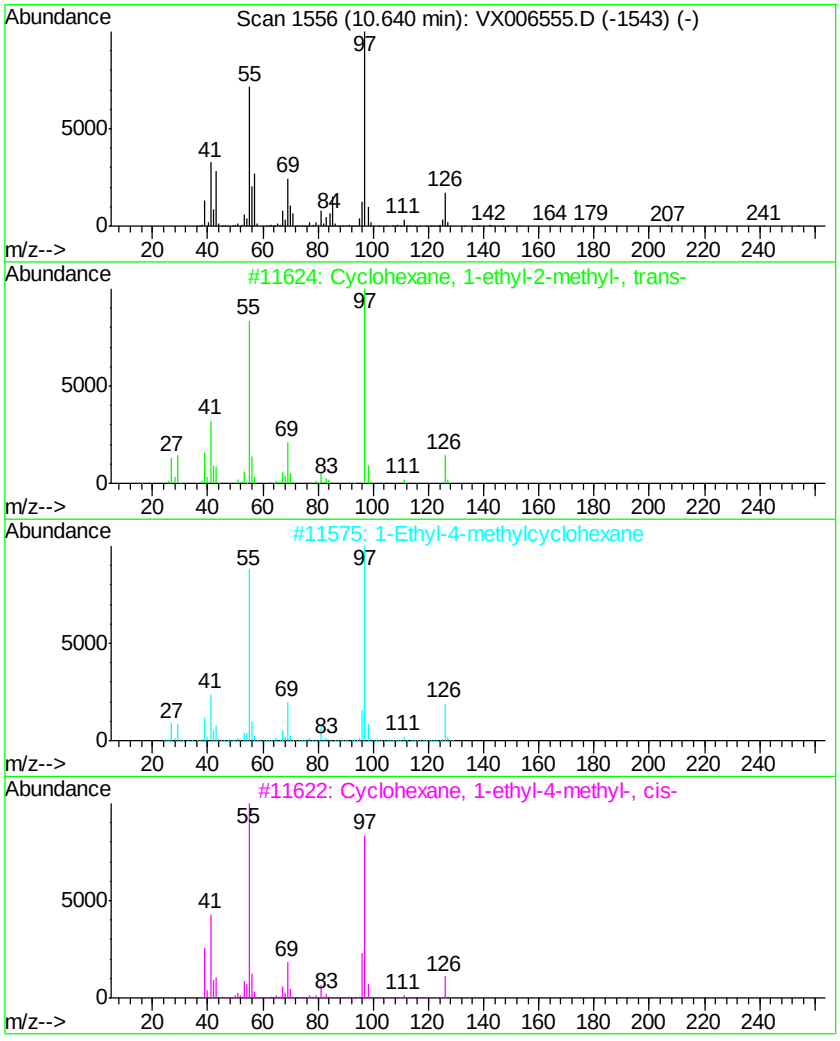
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

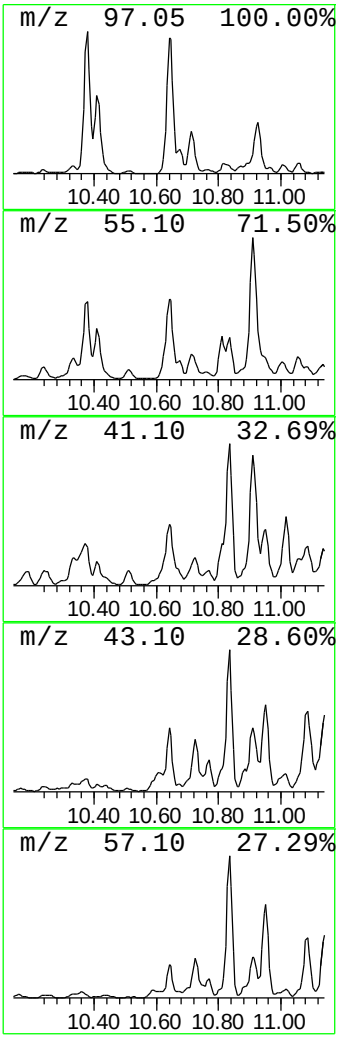
****

Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	57.25 ug/l	3014490	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	76
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	68
5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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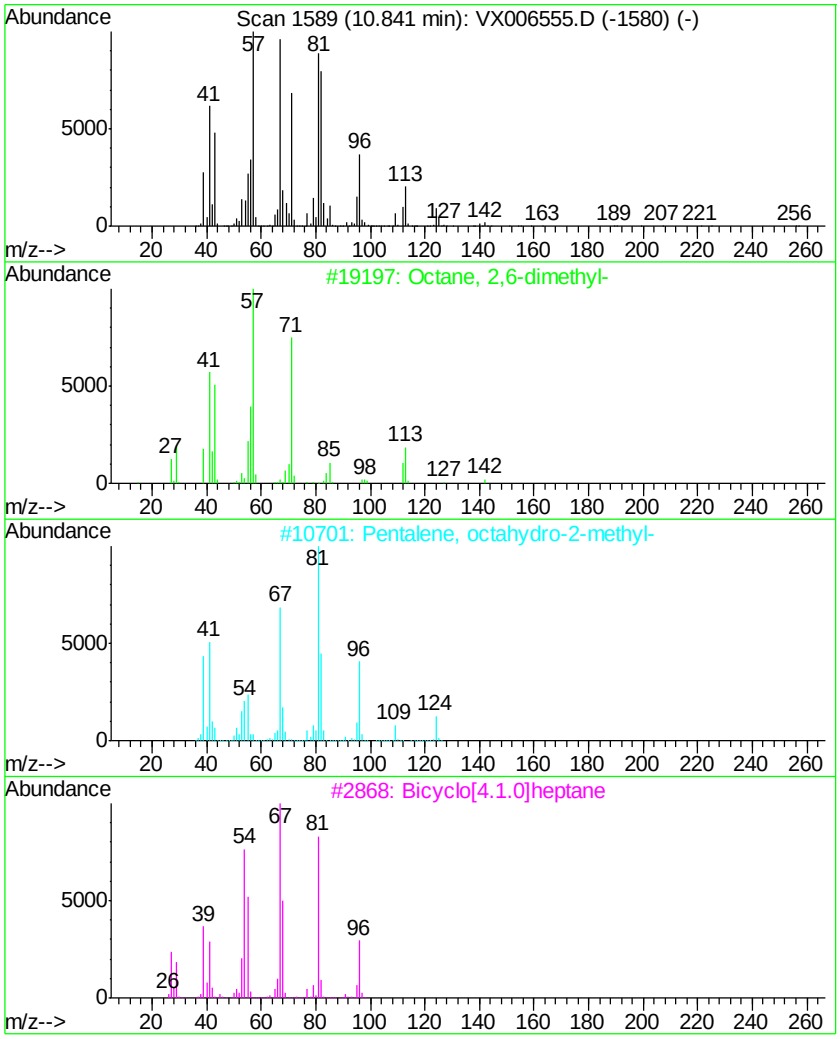
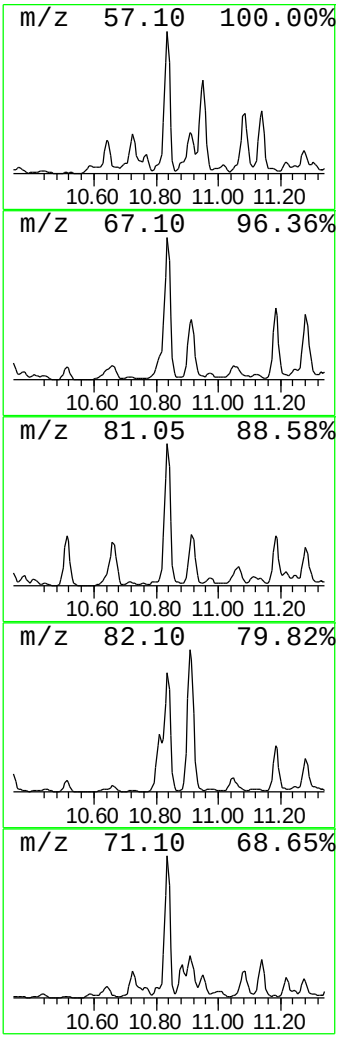
Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	78.74 ug/l	4146100	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
3	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	49
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	45
5	Cyclohexaneethanol	128	C8H16O	004442-79-9	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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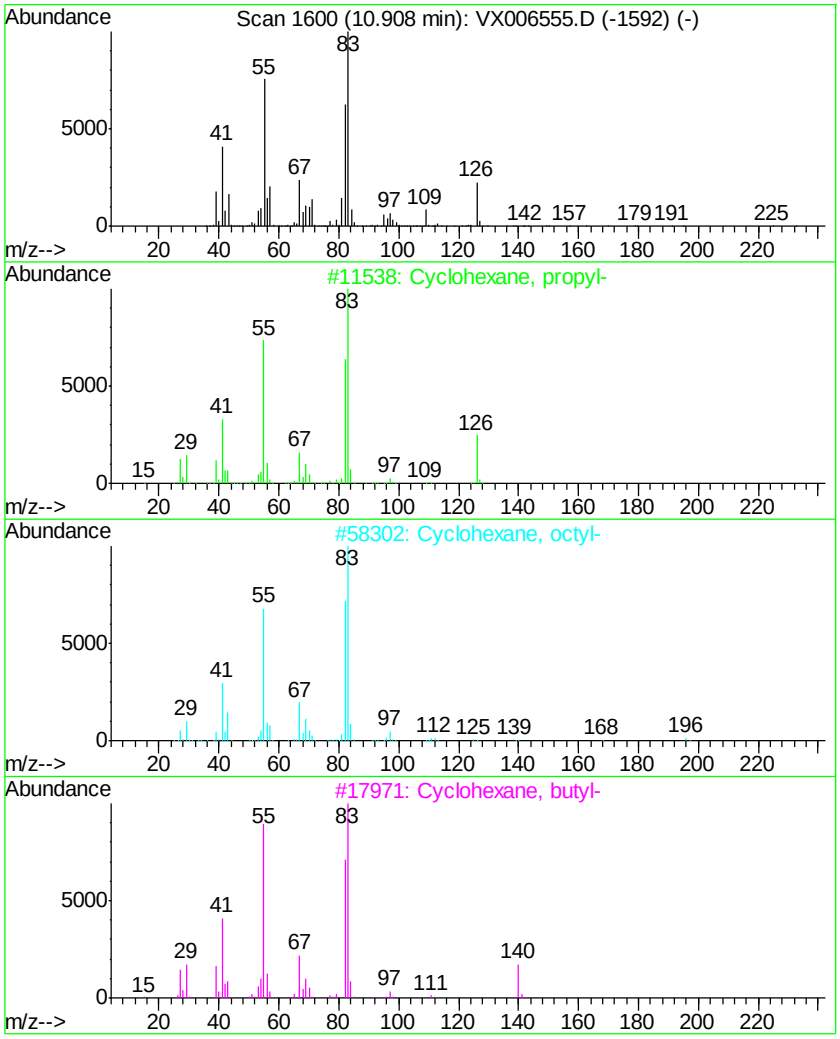
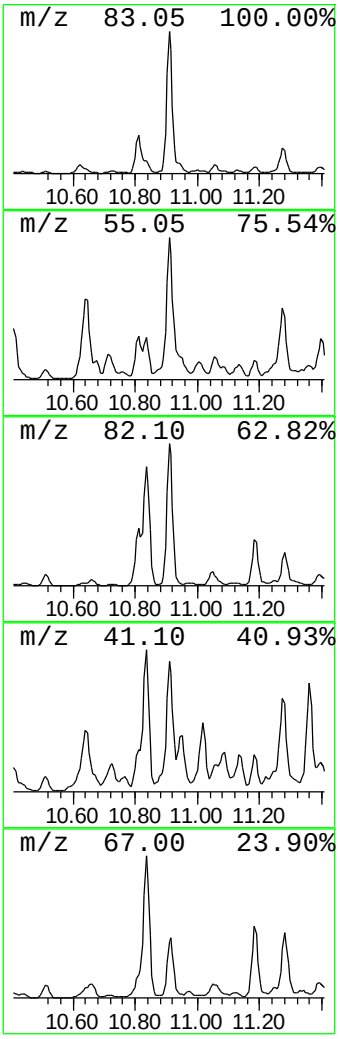
Peak Number 3 Cyclohexane, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	69.85 ug/l	3677850	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4	Cyclohexane, decyl-	224	C16H32	001795-16-0	53
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

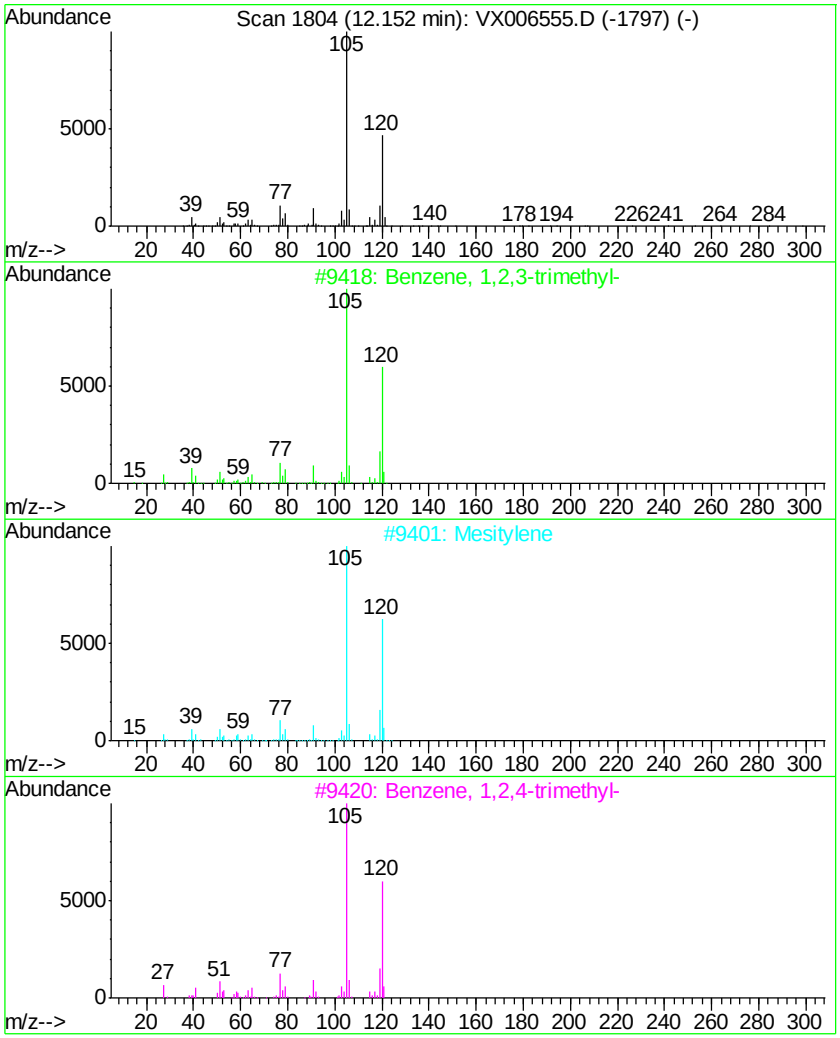
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

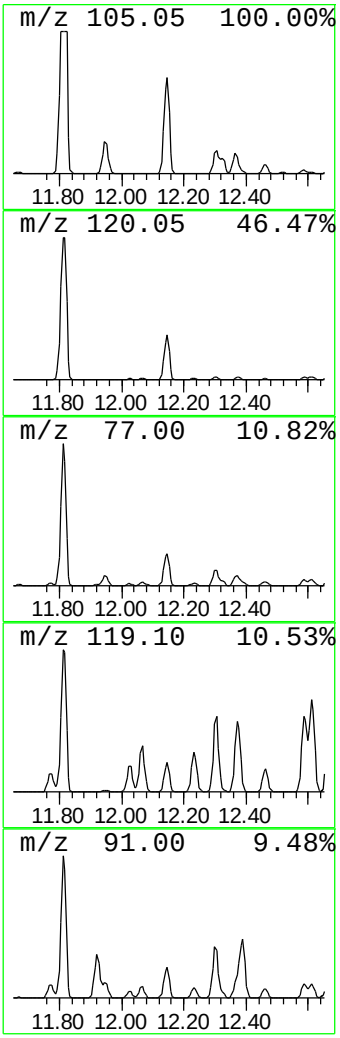
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	168.58 ug/l	18906200	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

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Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

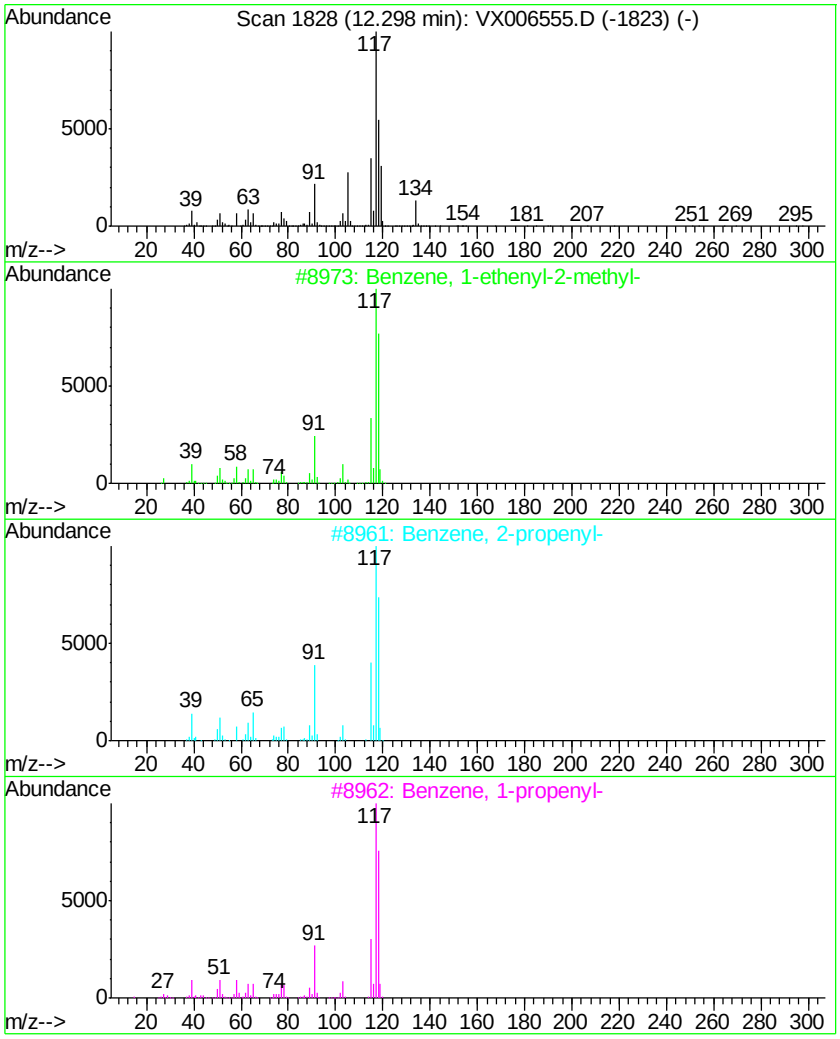
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

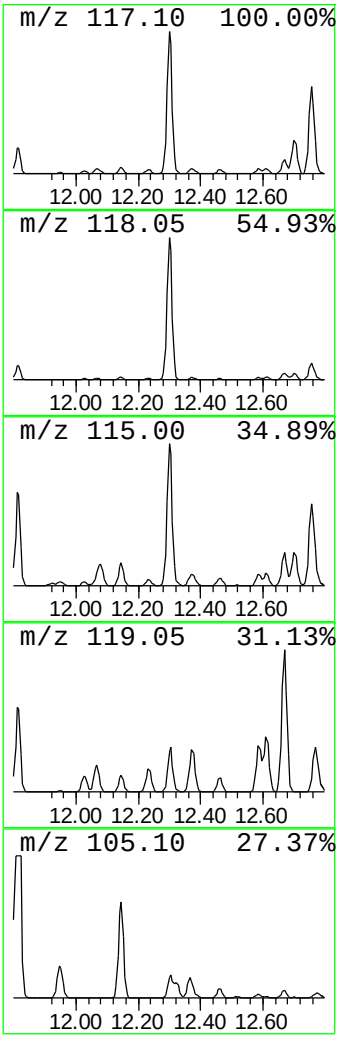
****

Peak Number 5 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	222.27 ug/l	24927200	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Indane	118	C9H10	000496-11-7	64





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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

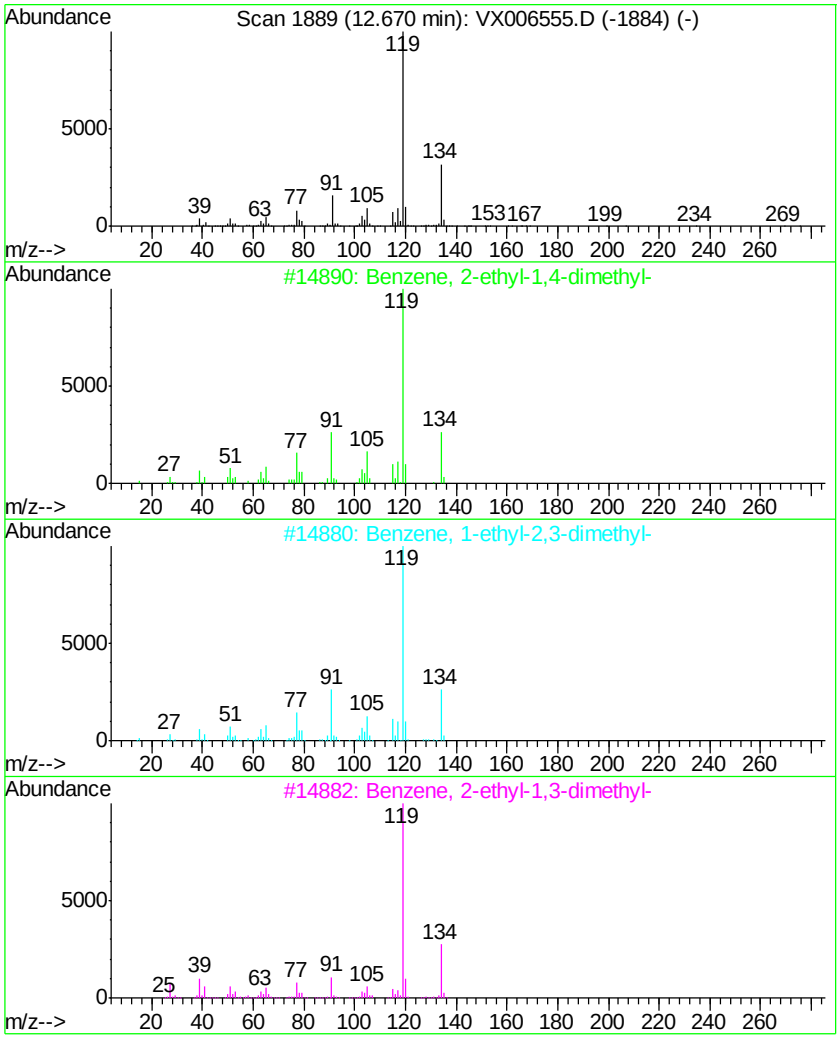
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

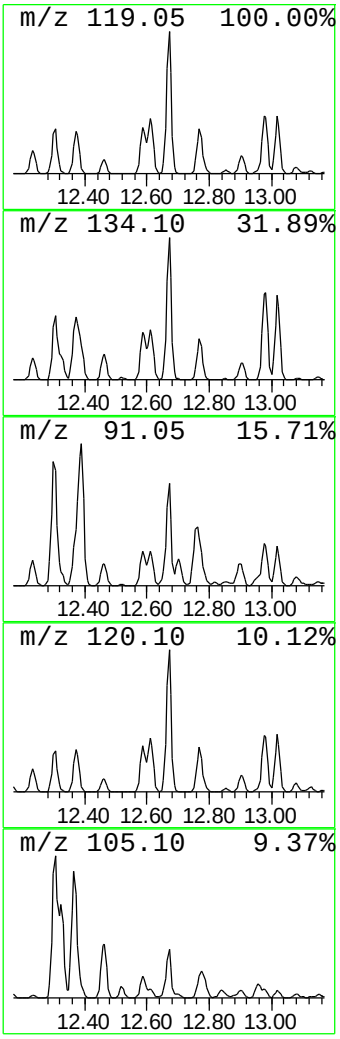
****

Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	124.33 ug/l	13943300	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Library Search Compound Report

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Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

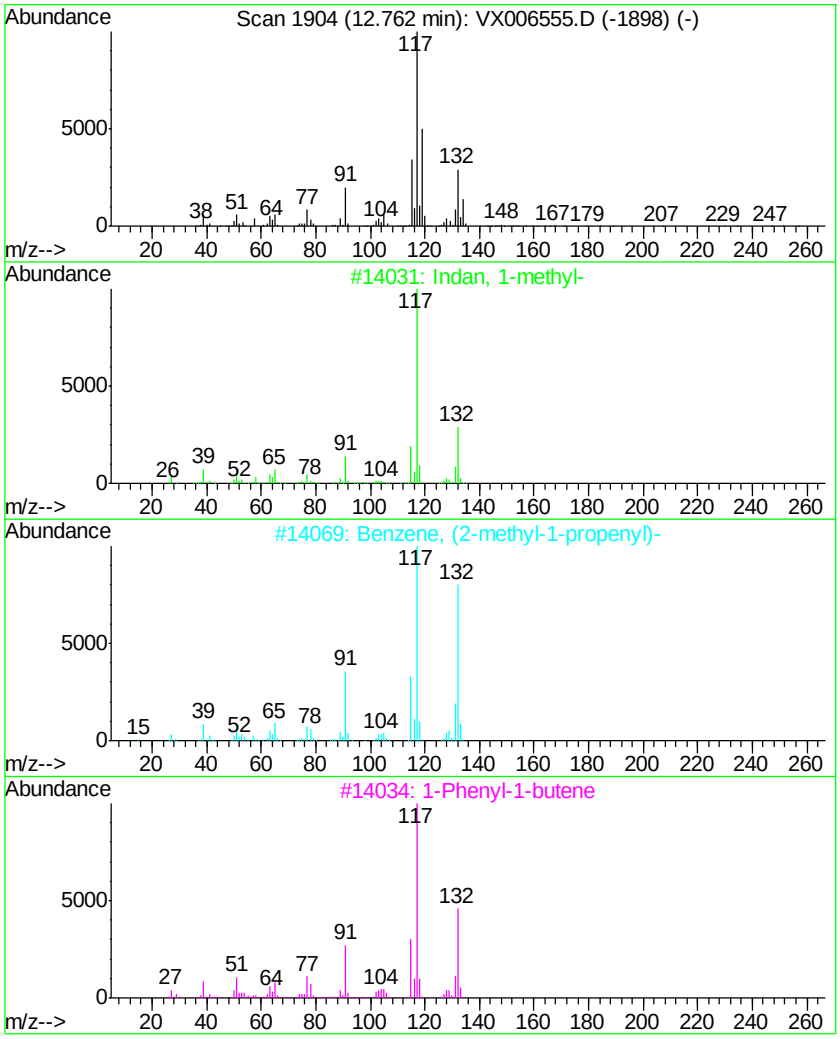
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

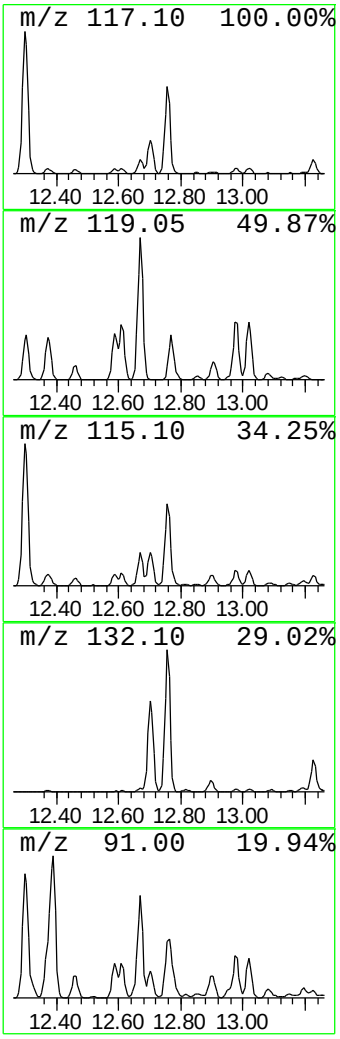
****

Peak Number 7 Indan, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	122.54 ug/l	13742300	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	92
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

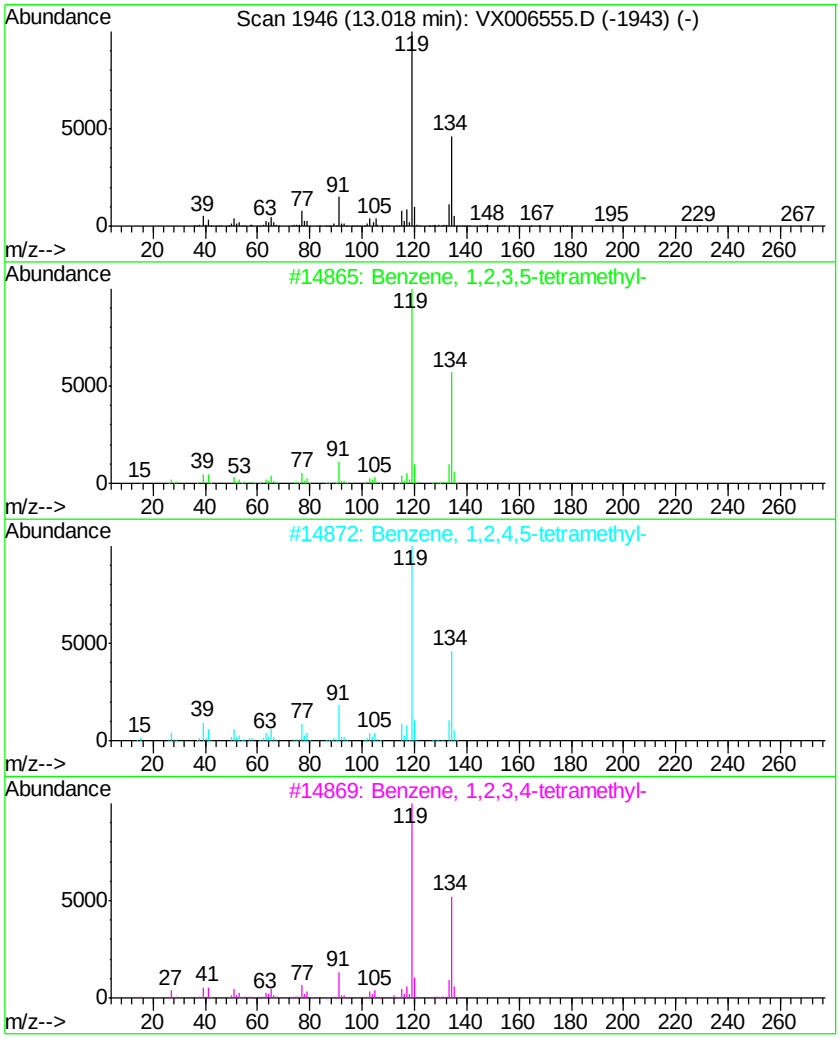
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

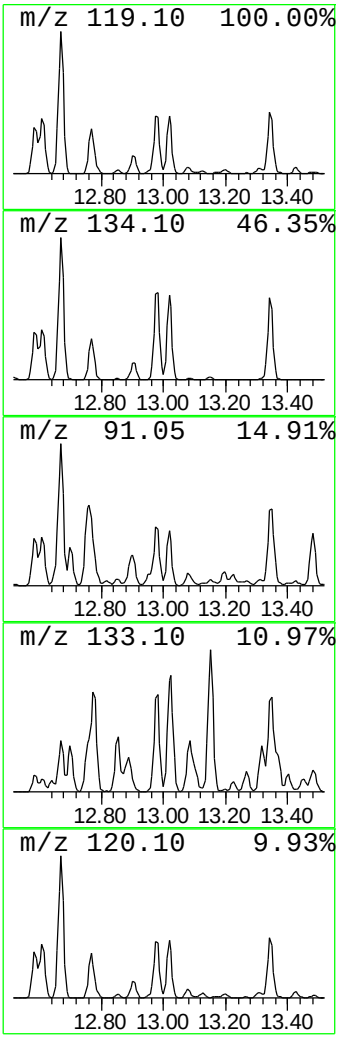
****

Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	58.89 ug/l	6604730	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

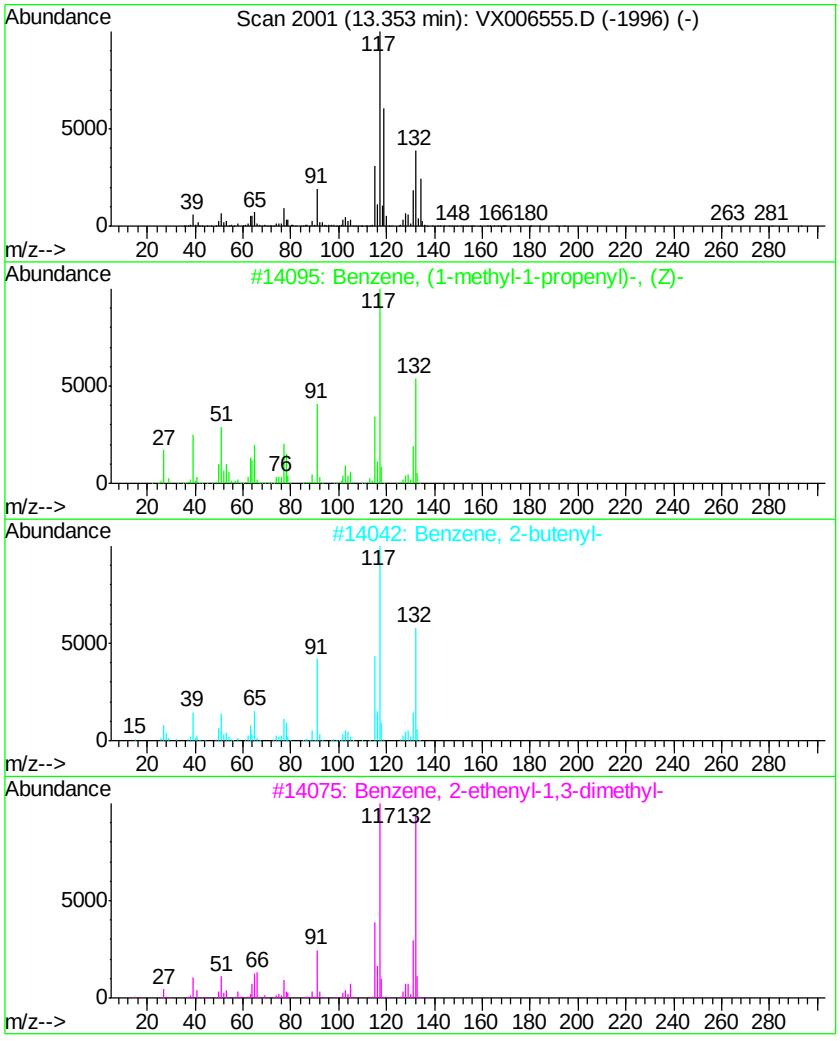
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

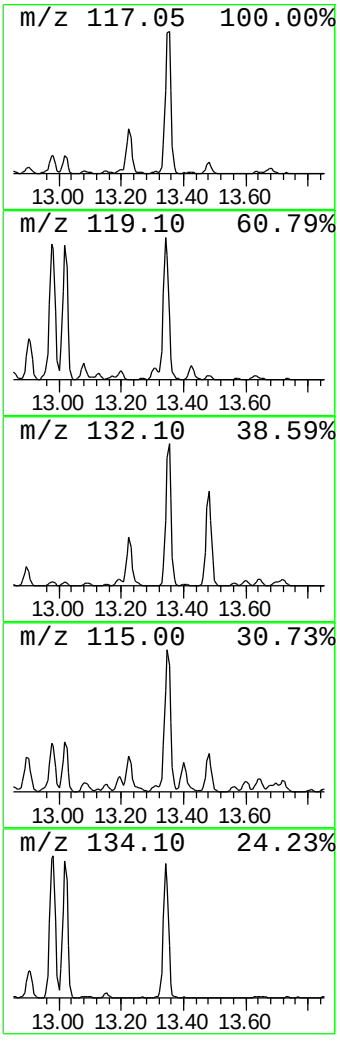
****

Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	104.07 ug/l	11671000	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	64
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
5	o-Cymene	134	C10H14	000527-84-4	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006555.D
Acq On : 15 Dec 2018 10:07
Operator : JC/MD
Sample : J6411-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-MW-I-1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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-et...	10.64	57.3	ug/l	3014490	3	10.12	2632800	50.0
Octane, 2,6-dimet...	10.84	78.7	ug/l	4146100	3	10.12	2632800	50.0
Cyclohexane, propyl-	10.91	69.8	ug/l	3677850	3	10.12	2632800	50.0
Benzene, 1,2,3-tr...	12.15	168.6	ug/l	18906200	4	12.08	5607480	50.0
Benzene, 1-etheny...	12.30	222.3	ug/l	24927200	4	12.08	5607480	50.0
Benzene, 2-ethyl-...	12.67	124.3	ug/l	13943300	4	12.08	5607480	50.0
Indan, 1-methyl-	12.76	122.5	ug/l	13742300	4	12.08	5607480	50.0
Benzene, 1,2,3,5-...	13.02	58.9	ug/l	6604730	4	12.08	5607480	50.0
Benzene, (1-methy...	13.35	104.1	ug/l	11671000	4	12.08	5607480	50.0