LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

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\82X102418W.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	1.318	20	27	36	rBV2	402264	1293597	1.37%	0.214%
2	4.604	553	566	577	rBV2	436198	1159274	1.23%	0.192%
3	8.713	1235	1240	1246	rVB	686431	1107835	1.17%	0.184%
4	8.786	1246	1252	1257	rBV	909990	1376674	1.46%	0.228%
5	10.115	1465	1470	1478	rBV	676189	950886	1.01%	0.158%
6	10.256	1487	1493	1503	rBV	12378814	16318240	17.26%	2.704%
7	10.365	1503	1511	1522	rVV	28434054	39391179	41.67%	6.528%
8	10.701	1560	1566	1575	rVB	1440244	1863598	1.97%	0.309%
9	11.018	1612	1618	1624	rBV	2019627	2519535	2.67%	0.418%
10	11.359	1667	1674	1681	rBV	3068650	3764358	3.98%	0.624%
11	11.438	1681	1687	1694	rVV	7063833	13861555	14.67%	2.297%
12	11.511	1694	1699	1709	rVB	7356879	8840012	9.35%	1.465%
13	11.670	1721	1725	1732	rVB	2789923	3341920	3.54%	0.554%
14	11.816	1743	1749	1758	rVB	27536867	35830549	37.91%	5.938%
15	12.078	1787	1792	1797	rVB3	1122031	1702541	1.80%	0.282%
16	12.145	1797	1803	1808	rBV	18587513	23757542	25.13%	3.937%
17	12.304	1823	1829	1836	rBV	12980818	19252625	20.37%	3.191%
18	12.371	1836	1840	1847	rVB3	9172971	13775950	14.57%	2.283%
19	12.462	1847	1855	1860	rBV3	1101210	1876124	1.98%	0.311%
20	12.517	1860	1864	1872	rVB	3802960	5099997	5.40%	0.845%
21	12.615	1872	1880	1886	rBV2	51645290	94520874	100.00%	15.664%
22	12.676	1886	1890	1894	rVV	19103304	22493503	23.80%	3.728%
23	12.767	1899	1905	1912	rVB2	3230277	5544717	5.87%	0.919%
24	12.907	1923	1928	1932	rVB	6393536	7496063	7.93%	1.242%
25	12.981	1932	1940	1944	rBV	13515121	17450864	18.46%	2.892%
26	13.023	1944	1947	1953	rVB	20285260	24265150	25.67%	4.021%
27	13.231	1974	1981	1985	rBV	6975867	8567603	9.06%	1.420%
28	13.316	1990	1995	1996	rBV2	1117268	1432418	1.52%	0.237%
29	13.353	1996	2001	2007	rVV2	19675691	27940027	29.56%	4.630%
30	13.426	2011	2013	2018	rVV	965331	1097787	1.16%	0.182%
31	13.481	2018	2022	2031	rVB	1511698	2083979	2.20%	0.345%
32	13.639	2044	2048	2050	rBV2	1808440	2289446	2.42%	0.379%
33	13.737	2060	2064	2068	rVB2	1164721	1457826	1.54%	0.242%
34	13.846	2075	2082	2087	rVB2	35637524	49808596	52.70%	8.255%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

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\82X102418W.M
Title : SW846 8260

35	14.133	2125	2129	2136	rBV	1352082	1680416	1.78%	0.278%
36	14.273	2148	2152	2158	rBV	1356654	2032378	2.15%	0.337%
37	14.377	2164	2169	2174	rBV	1600364	2037624	2.16%	0.338%
38	14.432	2174	2178	2183	rVB	1122160	1316291	1.39%	0.218%
39	14.706	2215	2223	2228	rBV	39263985	55725187	58.96%	9.235%
40	14.852	2240	2247	2254	rVB	31844619	42333933	44.79%	7.016%
41	15.255	2305	2313	2321	rBV2	486605	960122	1.02%	0.159%
42	15.450	2339	2345	2348	rBV	2092830	3192172	3.38%	0.529%
43	15.553	2355	2362	2375	rVB	5293656	8084241	8.55%	1.340%
44	15.694	2375	2385	2388	rBV	6768580	10644009	11.26%	1.764%
45	15.730	2388	2391	2398	rVB	3419368	4752069	5.03%	0.788%
46	15.913	2410	2421	2439	rVB	1923256	4852253	5.13%	0.804%
47	16.072	2440	2447	2457	rBV	1394572	2267183	2.40%	0.376%

Sum of corrected areas: 603410722

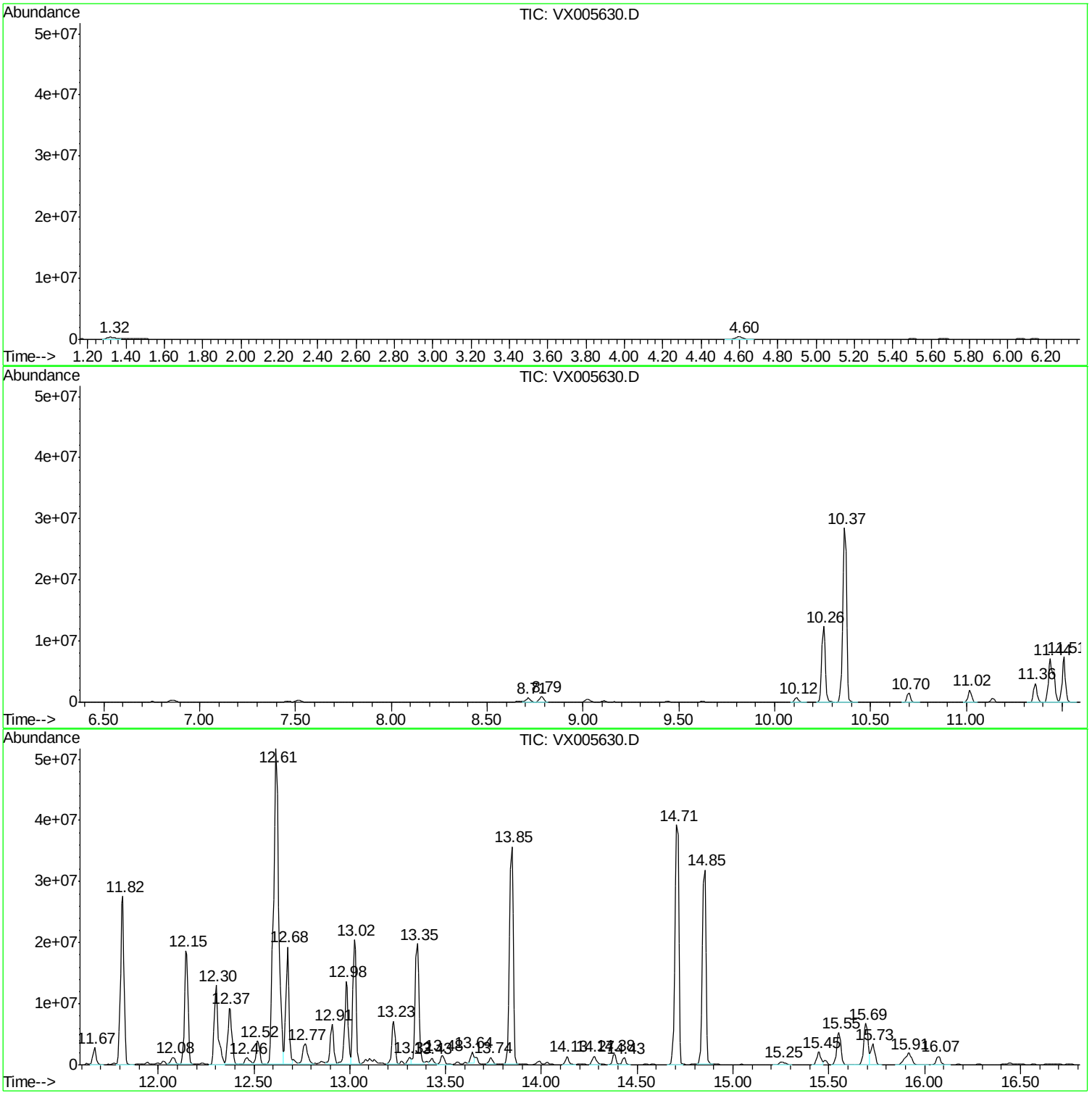
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.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\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

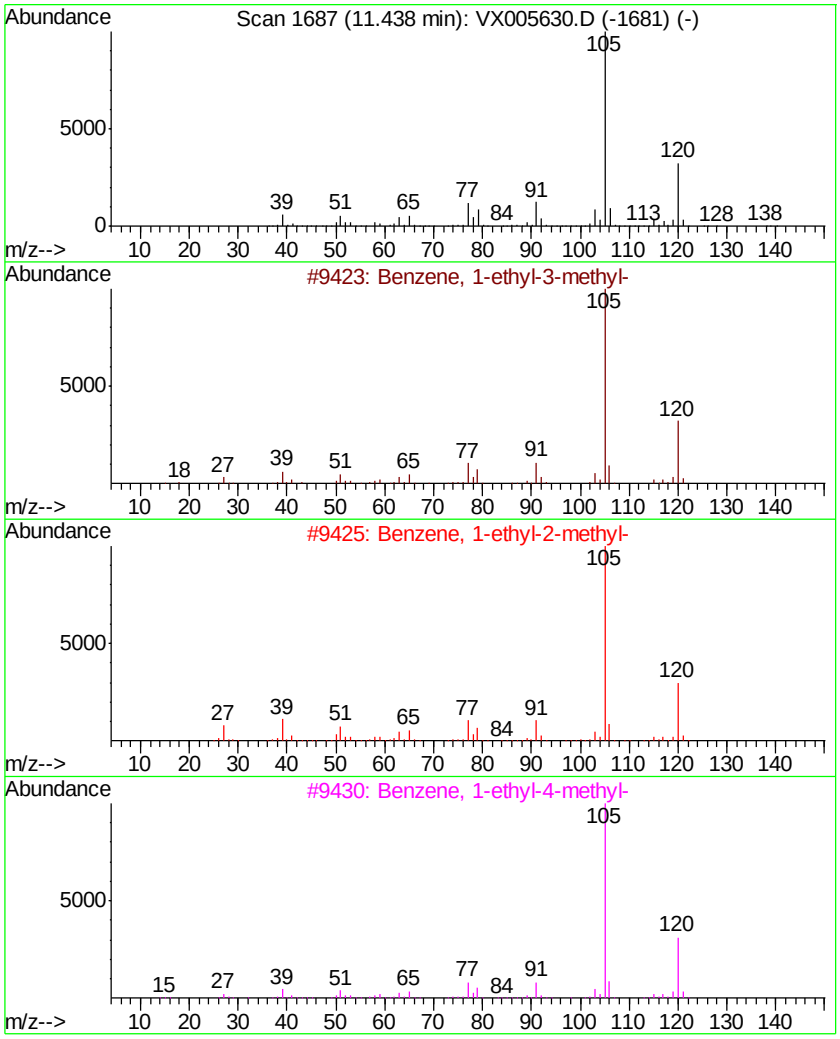
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

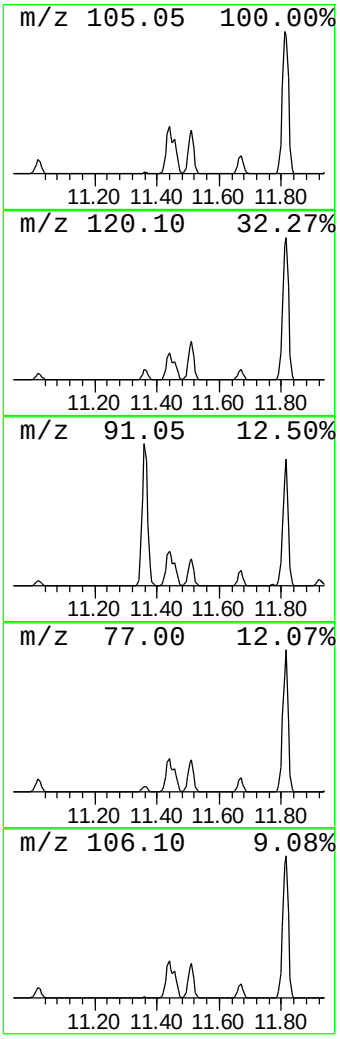
****

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	407.08 ug/l	13861600	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
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	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

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

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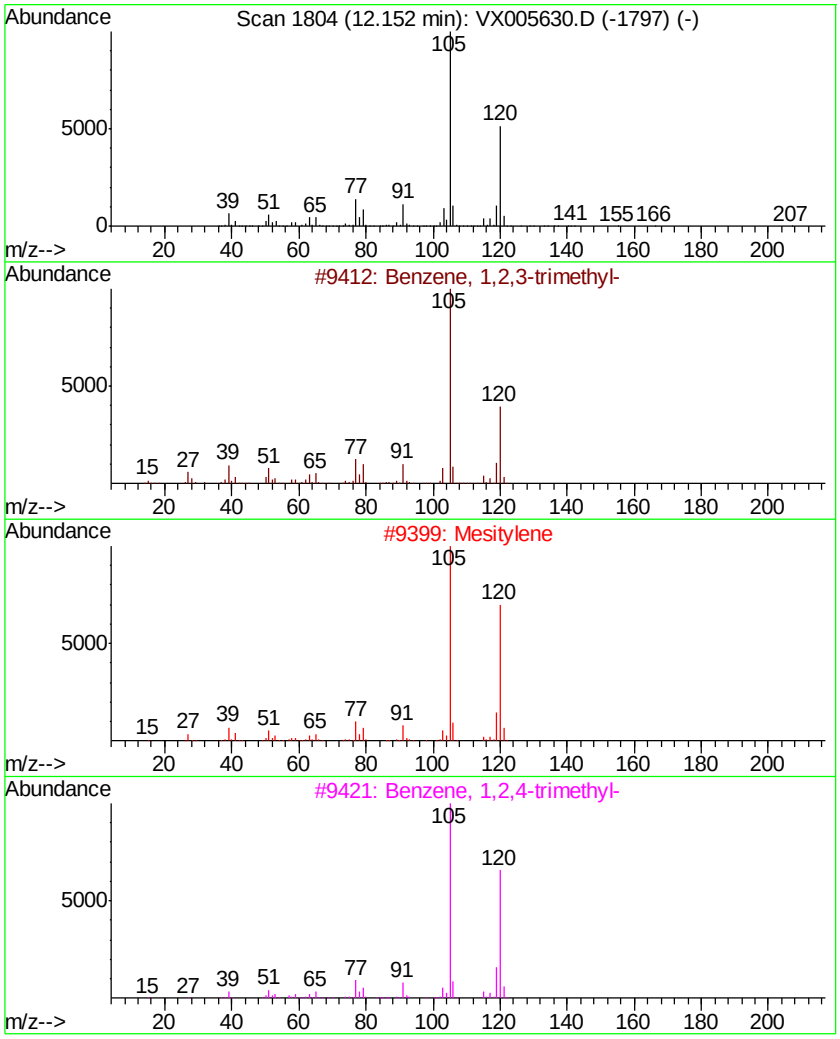
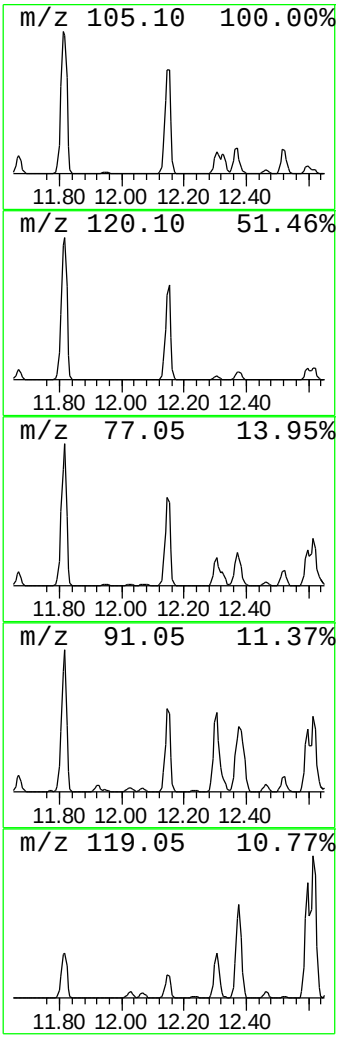
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	697.71 ug/l	23757500	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	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

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

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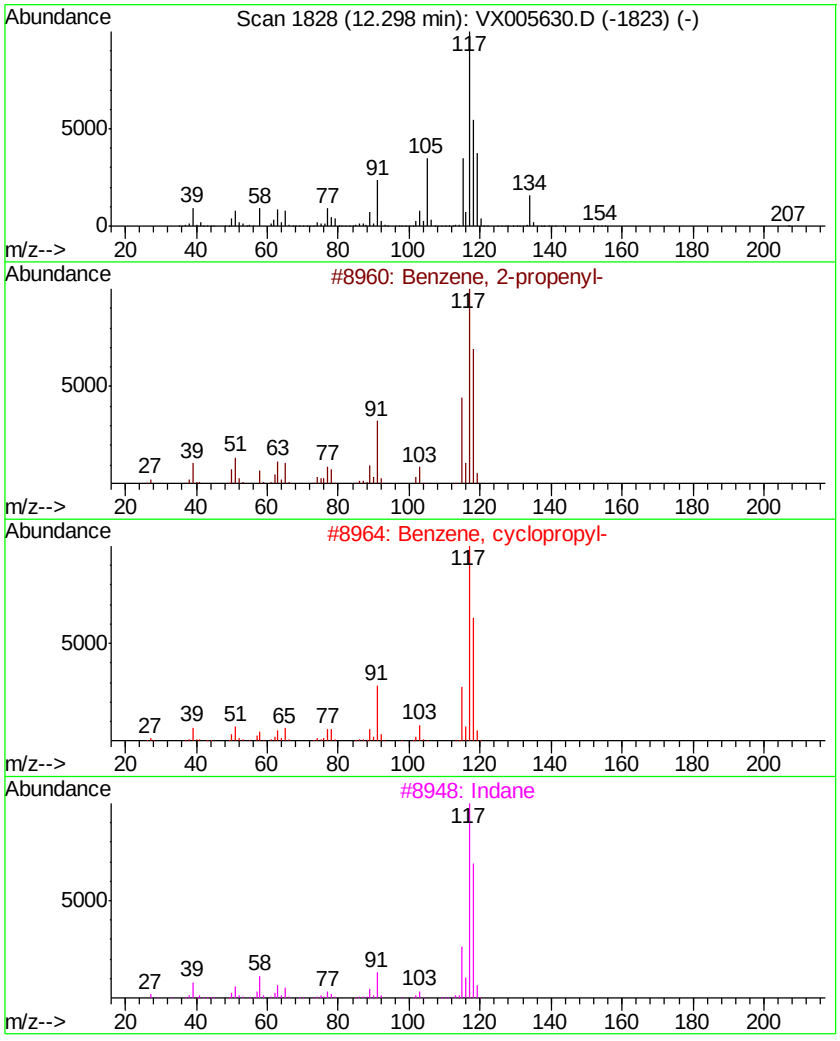
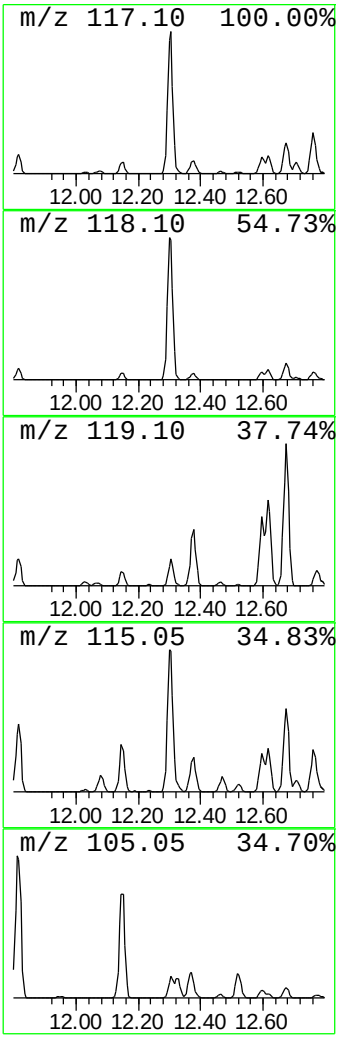
Peak Number 3 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	565.41 ug/l	19252600	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
3	Indane	118	C9H10	000496-11-7	49
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46
5	Deltacyclene	118	C9H10	007785-10-6	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

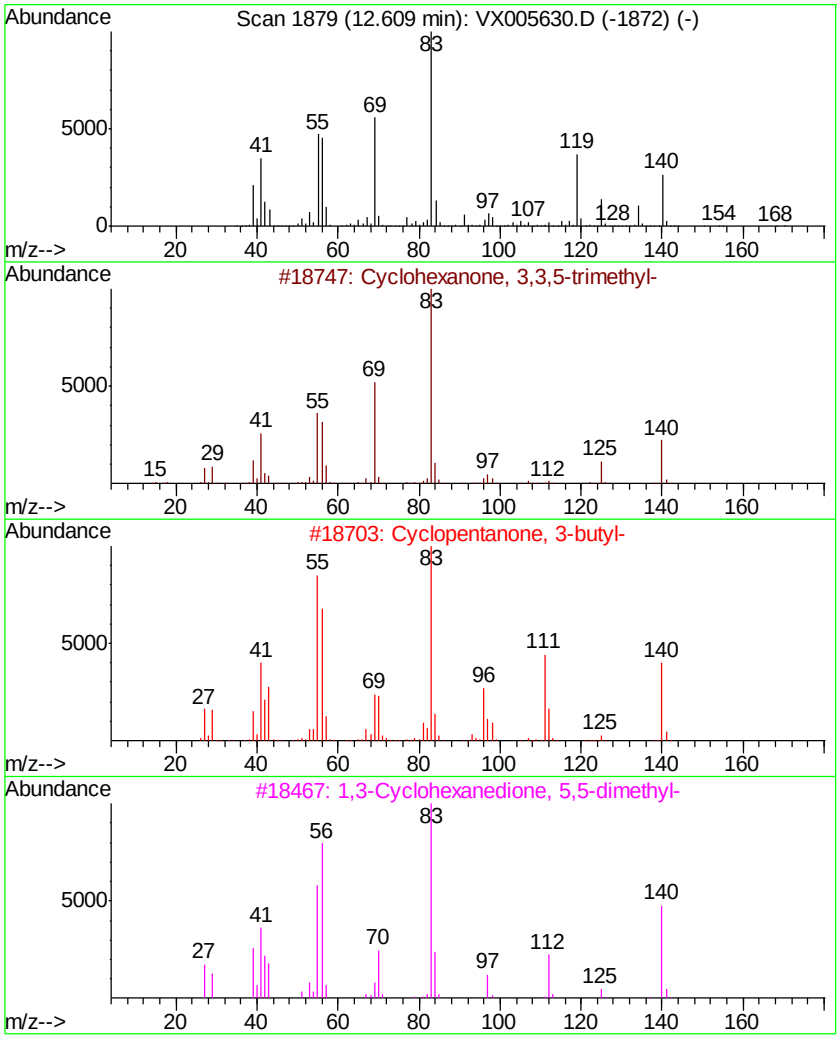
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

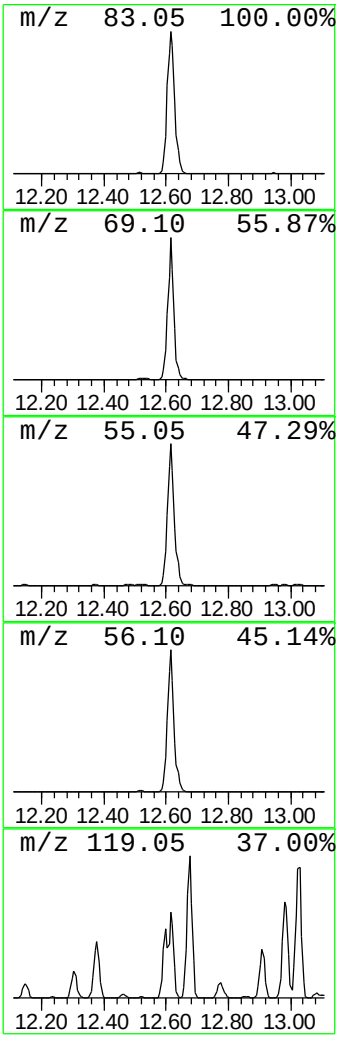
****

Peak Number 4 Cyclohexanone, 3,3,5-trimet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	2775.88 ug/l	94520900	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
2	Cyclopentanone, 3-butyl-	140	C9H16O	057283-81-5	50
3	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	45
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	25
5	o-Cymene	134	C10H14	000527-84-4	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

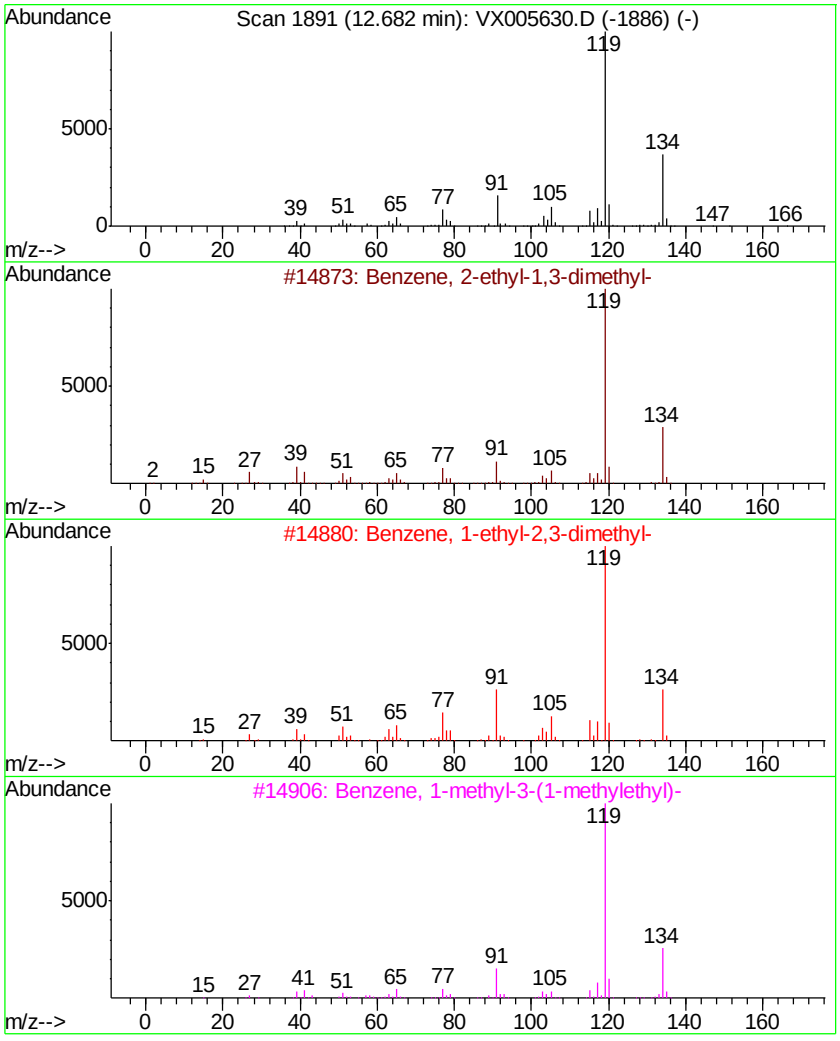
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

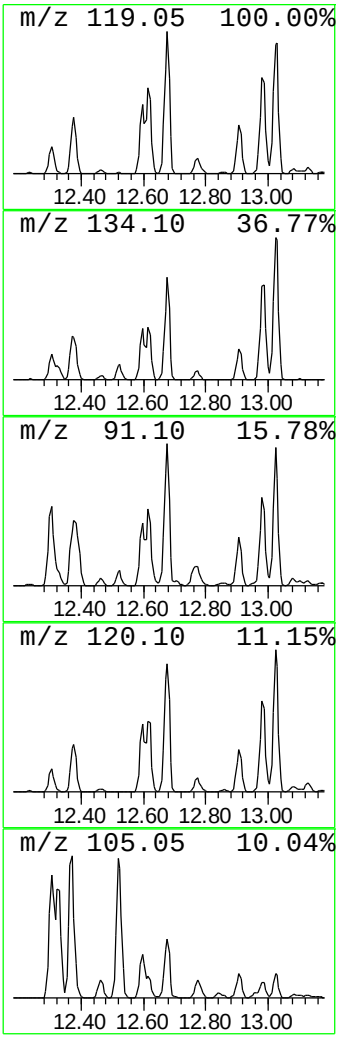
****

Peak Number 5 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	660.59 ug/l	22493500	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

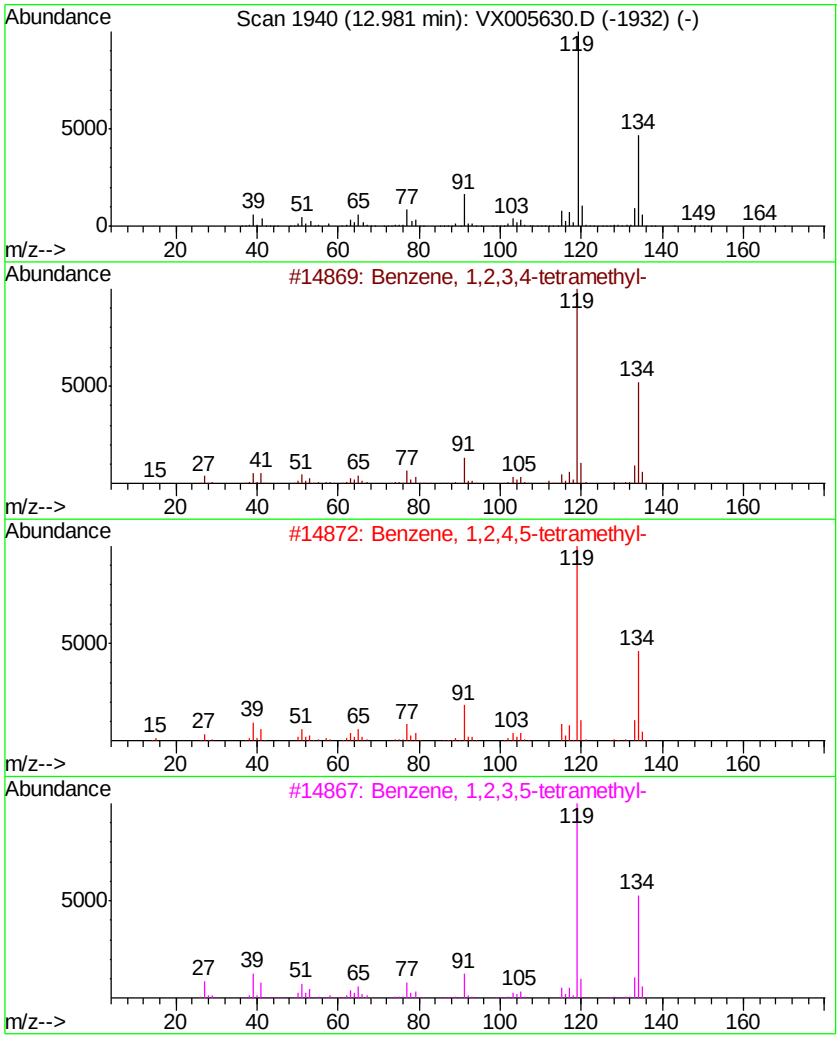
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

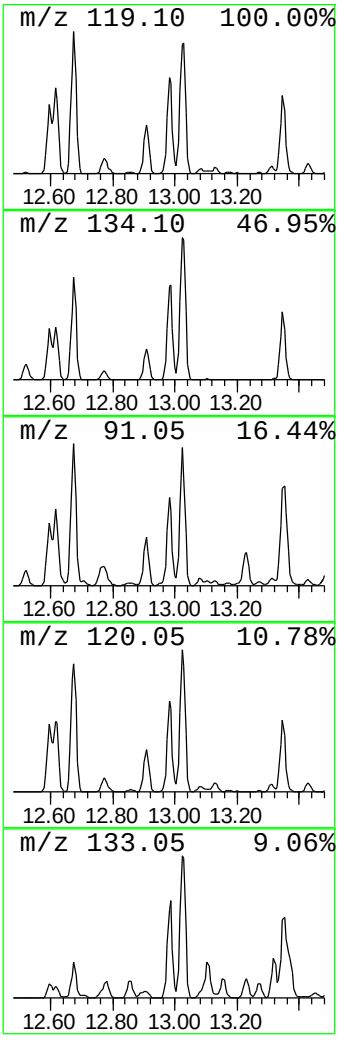
****

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	512.50 ug/l	17450900	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

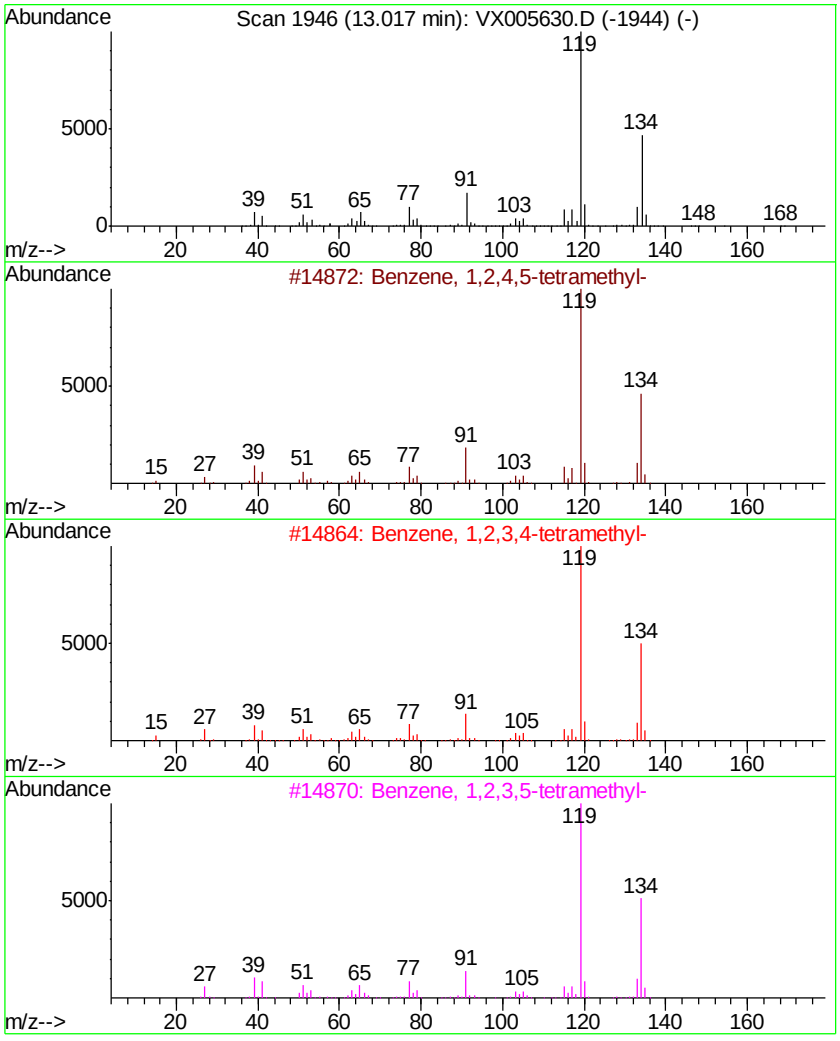
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

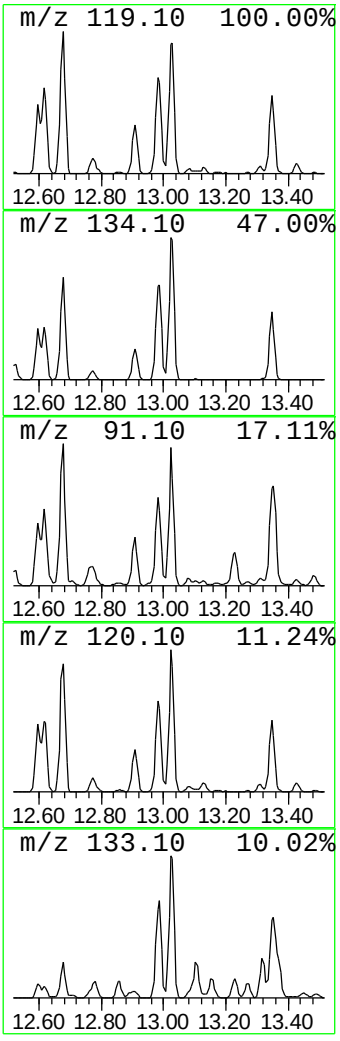
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	712.62 ug/l	24265200	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

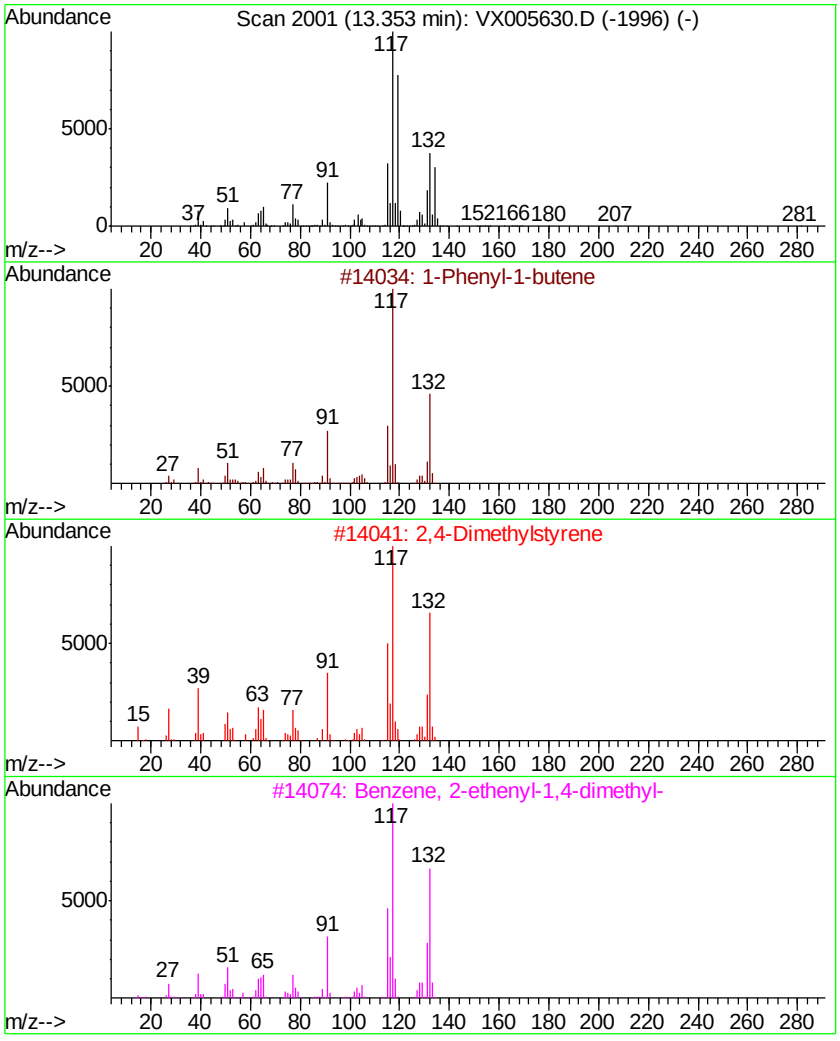
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

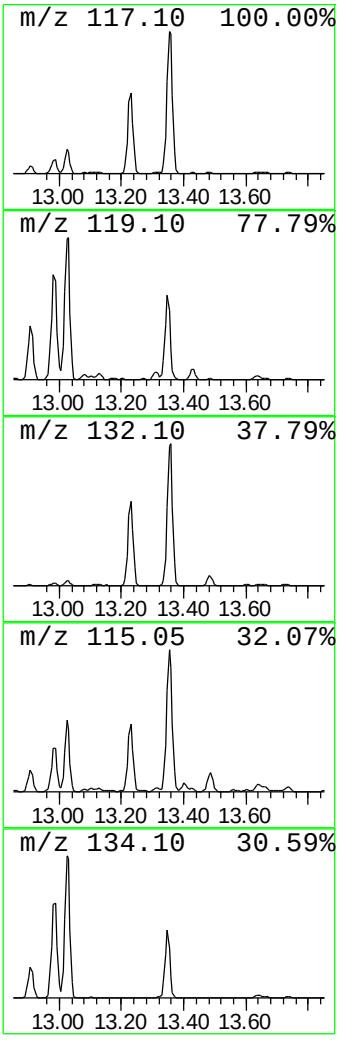
****

Peak Number 8 1-Phenyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	820.54 ug/l	27940000	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

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

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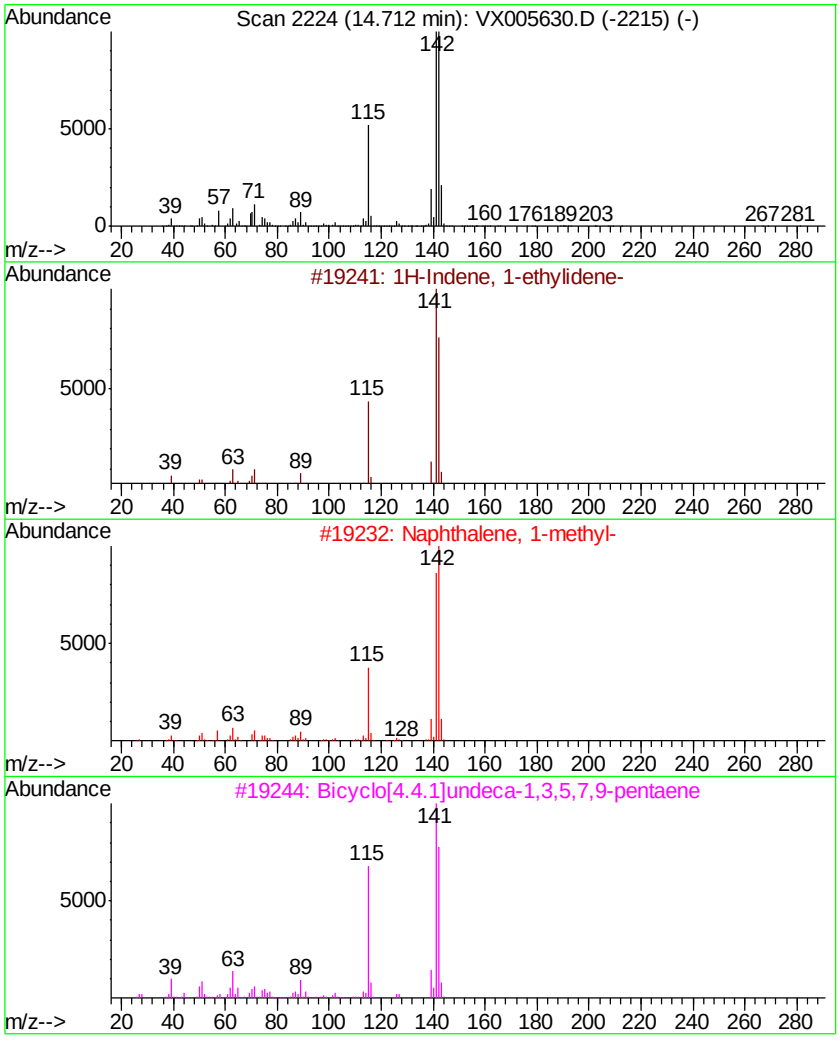
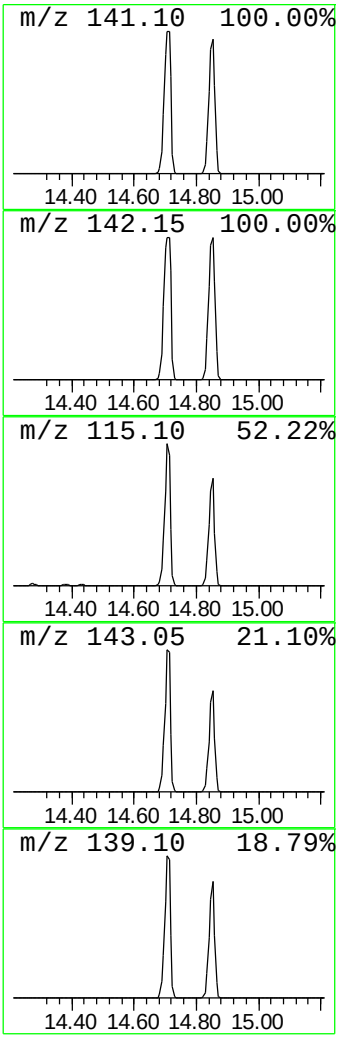
Peak Number 9 1H-Indene, 1-ethylidene- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	1636.53 ug/l	55725200	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260

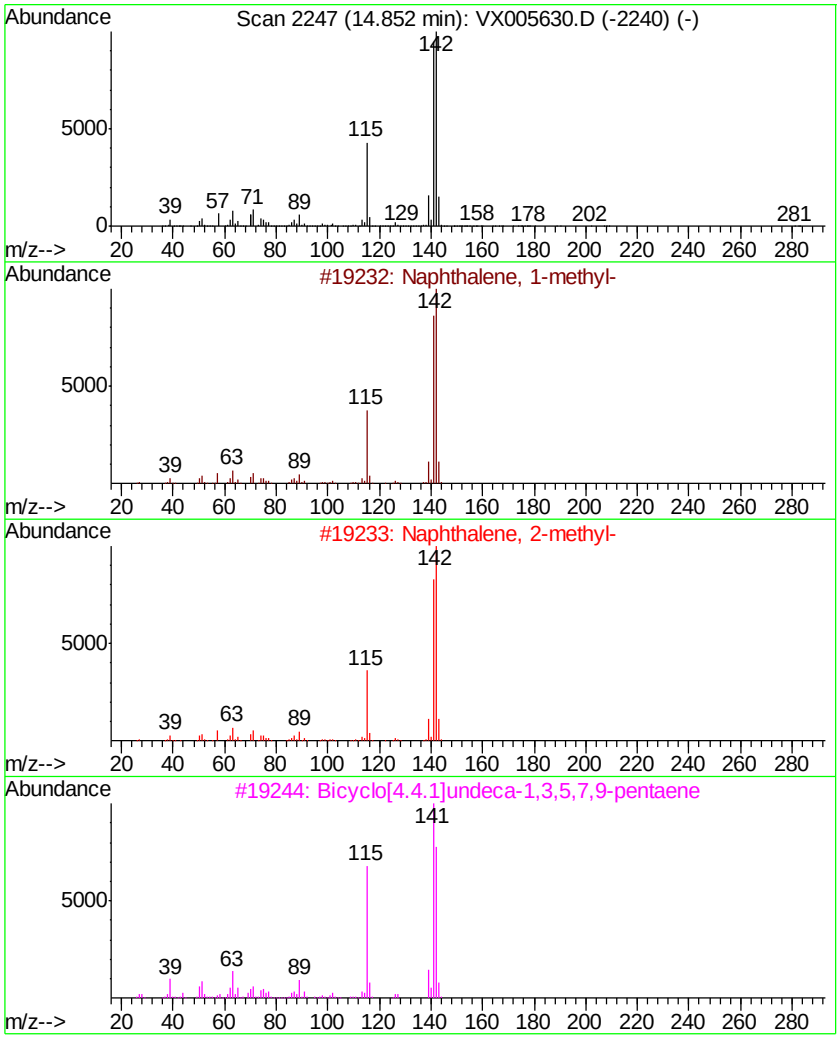
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

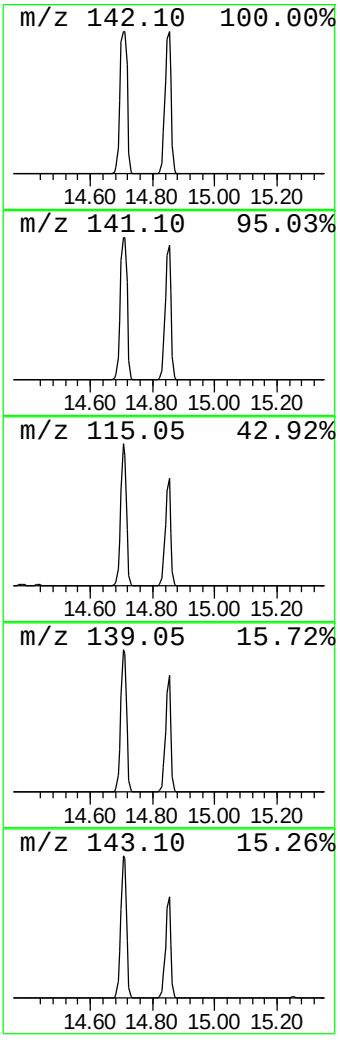
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	1243.26 ug/l	42333900	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102618\
Data File : VX005630.D
Acq On : 27 Oct 2018 03:21
Operator : JC/MD
Sample : J5690-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-202

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.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
Benzene, 1-ethyl-...	11.44	407.1	ug/l	13861600	4	12.08	1702540	50.0
Benzene, 1,2,3-tr...	12.15	697.7	ug/l	23757500	4	12.08	1702540	50.0
Benzene, 2-propenyl-	12.30	565.4	ug/l	19252600	4	12.08	1702540	50.0
Cyclohexanone, 3,...	12.61	2775.9	ug/l	94520900	4	12.08	1702540	50.0
Benzene, 2-ethyl-...	12.68	660.6	ug/l	22493500	4	12.08	1702540	50.0
Benzene, 1,2,3,4-...	12.98	512.5	ug/l	17450900	4	12.08	1702540	50.0
Benzene, 1,2,4,5-...	13.02	712.6	ug/l	24265200	4	12.08	1702540	50.0
1-Phenyl-1-butene	13.35	820.5	ug/l	27940000	4	12.08	1702540	50.0
1H-Indene, 1-ethy...	14.71	1636.5	ug/l	55725200	4	12.08	1702540	50.0
Naphthalene, 1-me...	14.85	1243.3	ug/l	42333900	4	12.08	1702540	50.0