LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

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\82X042919W.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	5.501	701	713	728	rBV	99417	287351	12.27%	1.961%
2	5.659	728	739	756	rVB	176674	503092	21.49%	3.434%
3	6.061	794	805	820	rBV	126584	332159	14.19%	2.267%
4	6.860	924	936	949	rBV	282301	673933	28.78%	4.600%
5	8.713	1234	1240	1257	rVB	607366	940542	40.17%	6.420%
6	10.110	1464	1469	1477	rBV	557818	757040	32.33%	5.168%
7	10.250	1485	1492	1498	rBV	122432	161921	6.92%	1.105%
8	10.353	1501	1509	1516	rBV	312134	443789	18.95%	3.029%
9	10.640	1541	1556	1561	rBV4	19269	47151	2.01%	0.322%
10	10.695	1561	1565	1573	rVB	83845	119879	5.12%	0.818%
11	10.835	1584	1588	1592	rVB	34980	47683	2.04%	0.325%
12	10.908	1592	1600	1604	rBV3	32400	55135	2.35%	0.376%
13	11.018	1612	1618	1622	rBV	172711	222260	9.49%	1.517%
14	11.134	1632	1637	1642	rBV	478052	588715	25.14%	4.019%
15	11.274	1656	1660	1668	rVB3	28582	42339	1.81%	0.289%
16	11.359	1668	1674	1681	rBV	323498	411531	17.58%	2.809%
17	11.432	1681	1686	1693	rVV	384719	710476	30.34%	4.850%
18	11.506	1693	1698	1707	rVB	393443	517510	22.10%	3.532%
19	11.664	1719	1724	1732	rBV	129632	176656	7.54%	1.206%
20	11.768	1737	1741	1743	rVV	54899	72081	3.08%	0.492%
21	11.804	1743	1747	1757	rVB	1973458	2341563	100.00%	15.983%
22	11.920	1757	1766	1767	rBV	54012	80291	3.43%	0.548%
23	11.945	1767	1770	1775	rVB	104593	129290	5.52%	0.883%
24	12.024	1780	1783	1786	rVV	68687	81186	3.47%	0.554%
25	12.073	1786	1791	1797	rVV2	551088	729659	31.16%	4.981%
26	12.140	1797	1802	1810	rVV	827727	978558	41.79%	6.680%
27	12.231	1812	1817	1822	rVB	54754	75672	3.23%	0.517%
28	12.298	1822	1828	1835	rBV3	395051	595564	25.43%	4.065%
29	12.371	1835	1840	1847	rVB3	193064	338385	14.45%	2.310%
30	12.457	1850	1854	1859	rBV	67414	88937	3.80%	0.607%
31	12.518	1859	1864	1870	rVB	43448	62434	2.67%	0.426%
32	12.585	1870	1875	1877	rBV	101656	142022	6.07%	0.969%
33	12.609	1877	1879	1883	rVV	102660	108634	4.64%	0.742%
34	12.664	1884	1888	1891	rVV	286441	333106	14.23%	2.274%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

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\82X042919W.M
Title : SW846 8260

35	12.701	1891	1894	1898	rVV	77925	98623	4.21%	0.673%
36	12.755	1898	1903	1910	rVB3	201591	340543	14.54%	2.325%
37	12.896	1920	1926	1931	rVB2	64813	103055	4.40%	0.703%
38	12.975	1931	1939	1942	rVV	147259	189953	8.11%	1.297%
39	13.018	1942	1946	1952	rVB	97715	130051	5.55%	0.888%
40	13.079	1952	1956	1961	rBV3	20658	33363	1.42%	0.228%
41	13.194	1971	1975	1977	rBV2	18664	24766	1.06%	0.169%
42	13.225	1977	1980	1983	rVB	25516	30043	1.28%	0.205%
43	13.341	1995	1999	2006	rVB2	187651	271912	11.61%	1.856%
44	13.475	2016	2021	2027	rVB	54948	74433	3.18%	0.508%
45	13.639	2044	2048	2053	rBV2	16819	24811	1.06%	0.169%
46	13.719	2058	2061	2071	rVB2	16316	29841	1.27%	0.204%
47	13.828	2072	2079	2087	rVB	71294	102043	4.36%	0.697%

Sum of corrected areas: 14649981

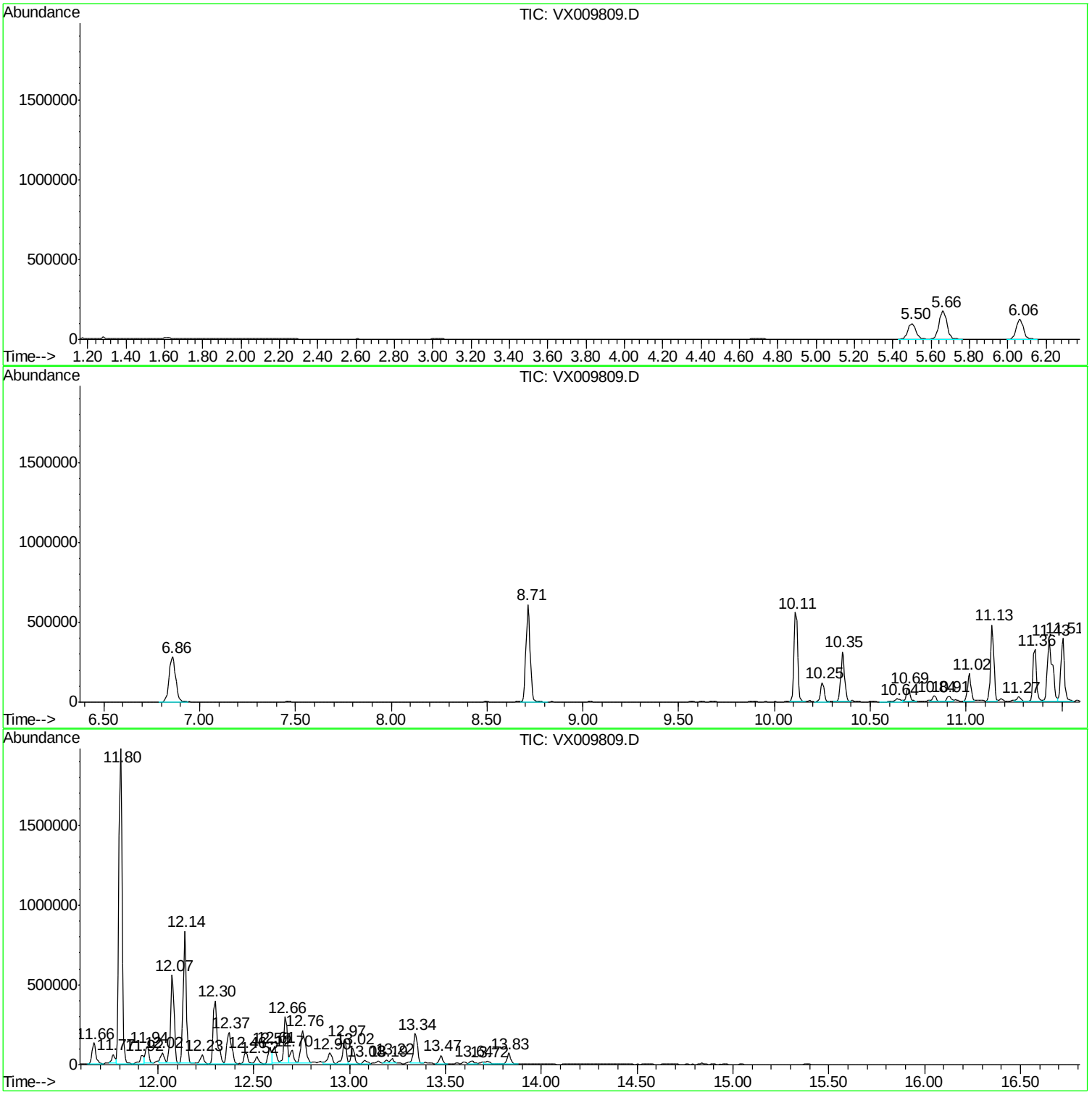
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.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\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

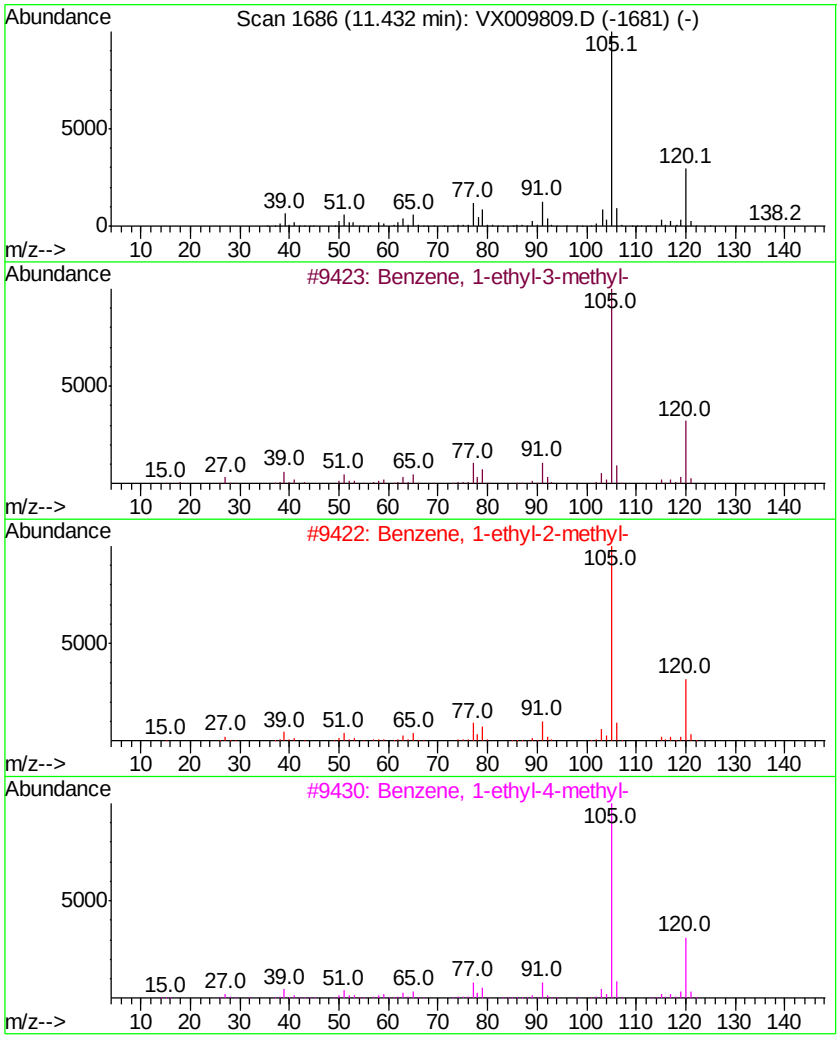
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

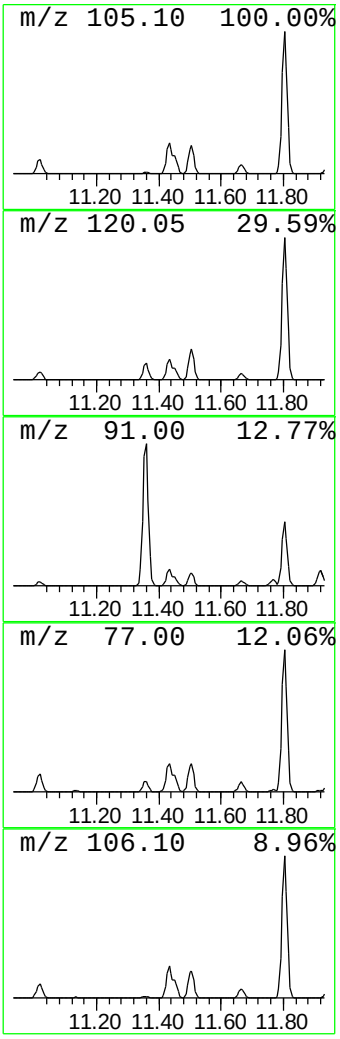
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	48.69 ug/l	710476	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	97
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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

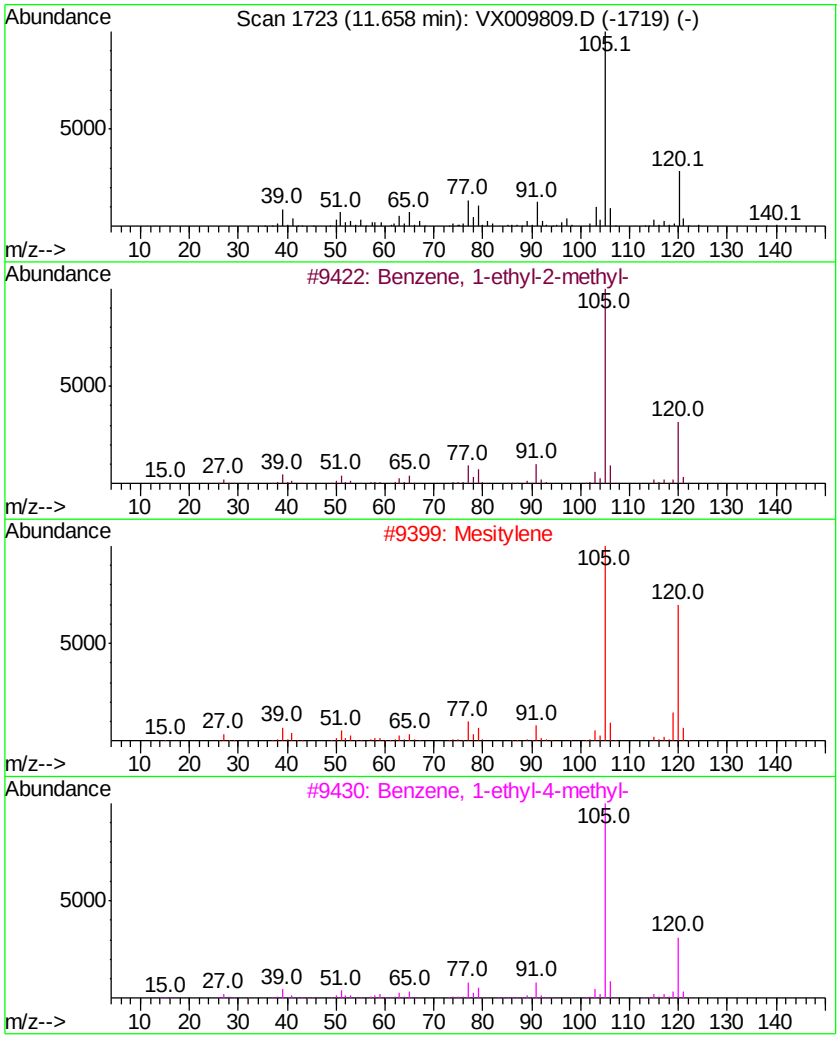
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

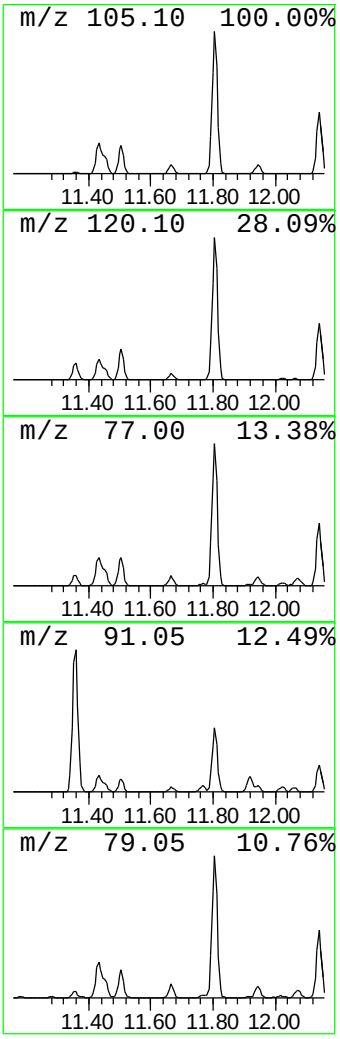
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	12.11 ug/l	176656	1,4-Dichlorobenzene-d4	12.08

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

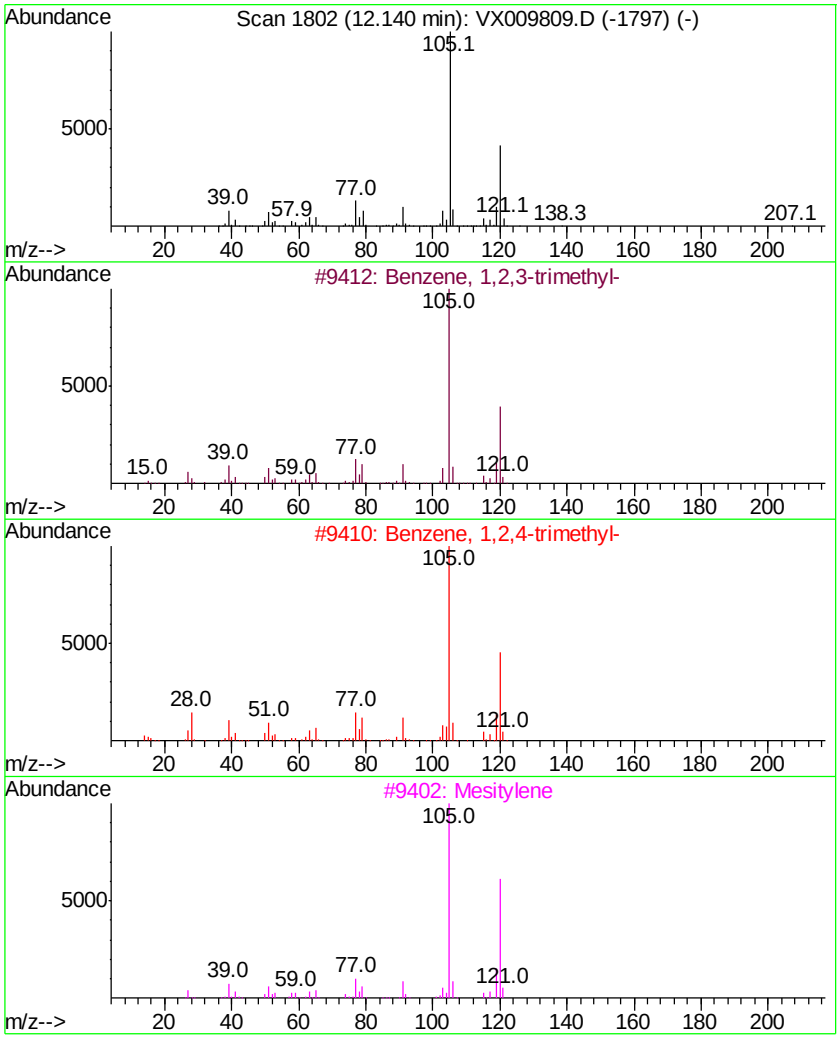
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

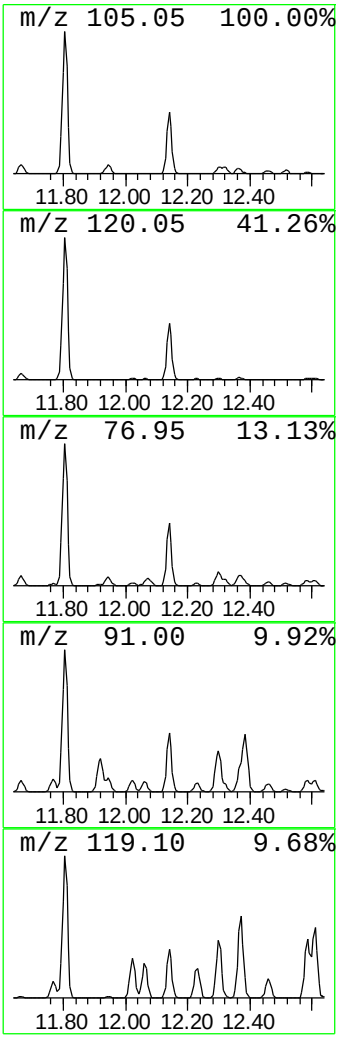
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	67.06 ug/l	978558	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

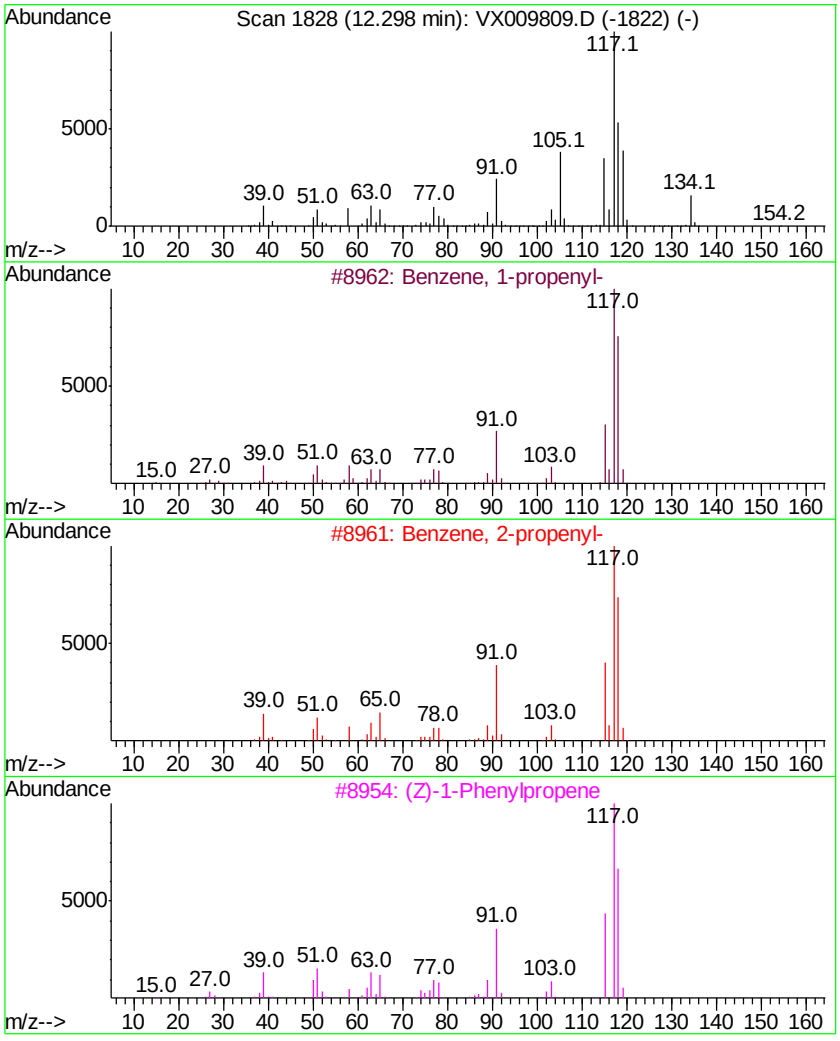
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

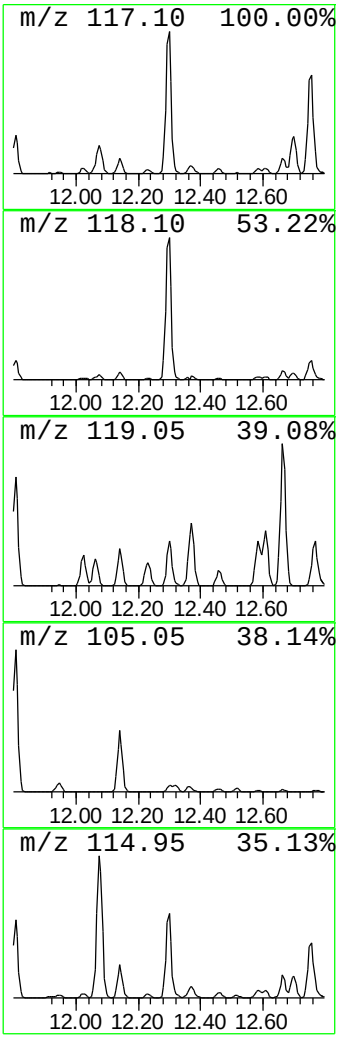
****

Peak Number 4 Benzene, 1-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	40.81 ug/l	595564	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60
4	Indane	118	C9H10	000496-11-7	60
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

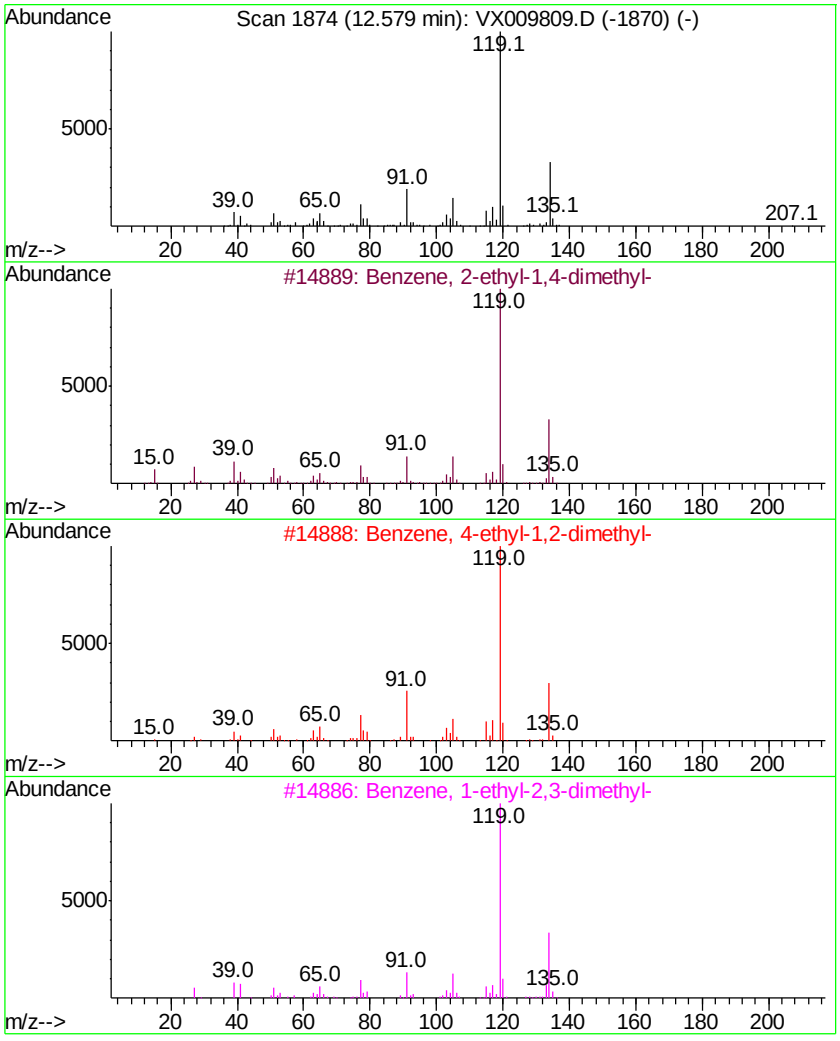
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

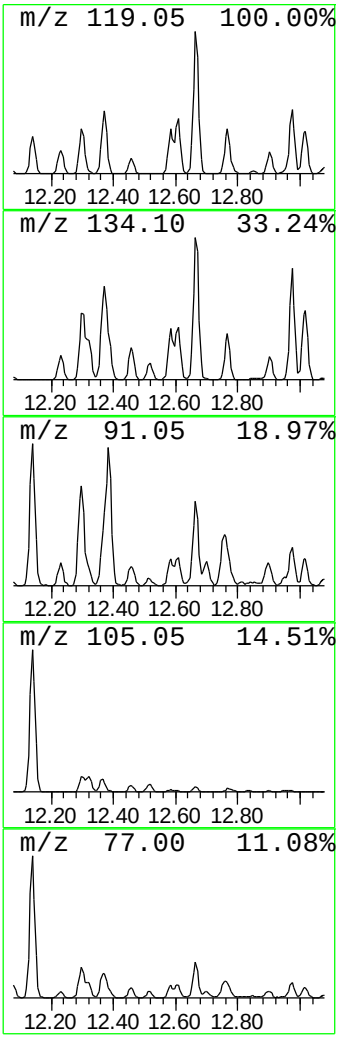
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	9.73 ug/l	142022	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	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

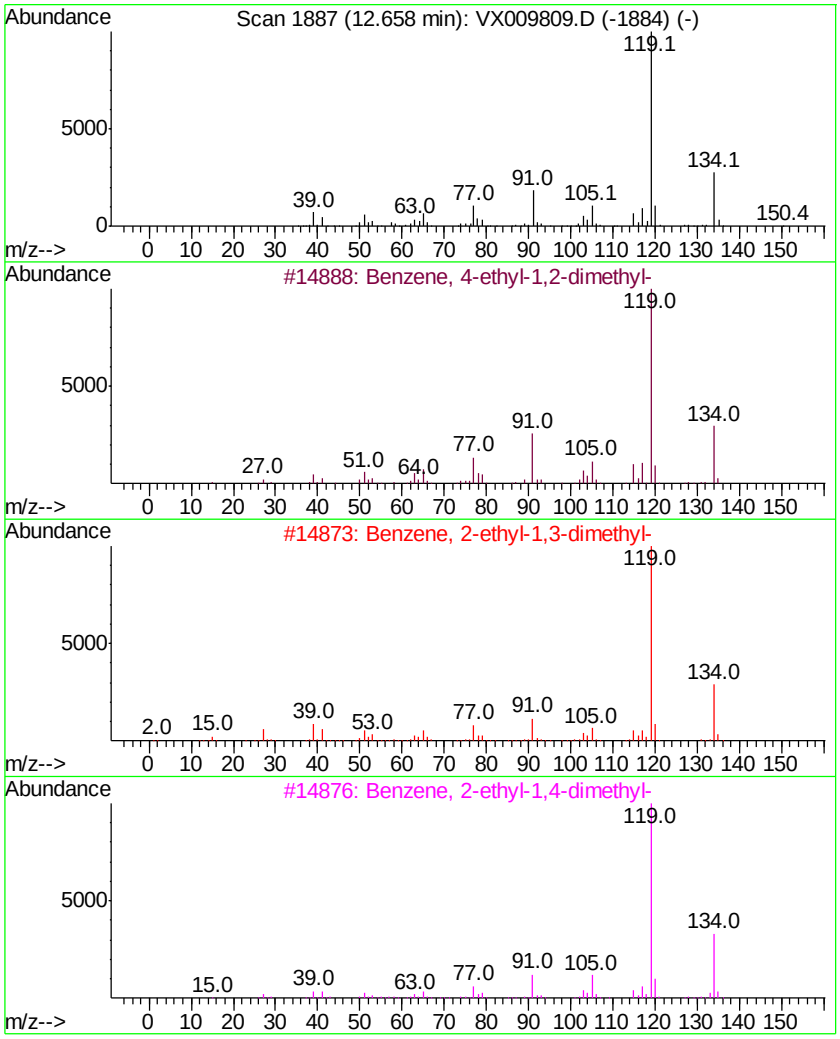
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

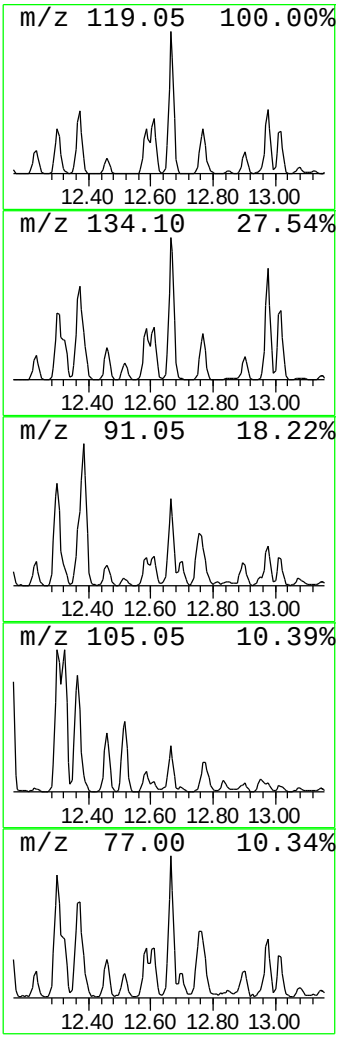
****

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	22.83 ug/l	333106	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

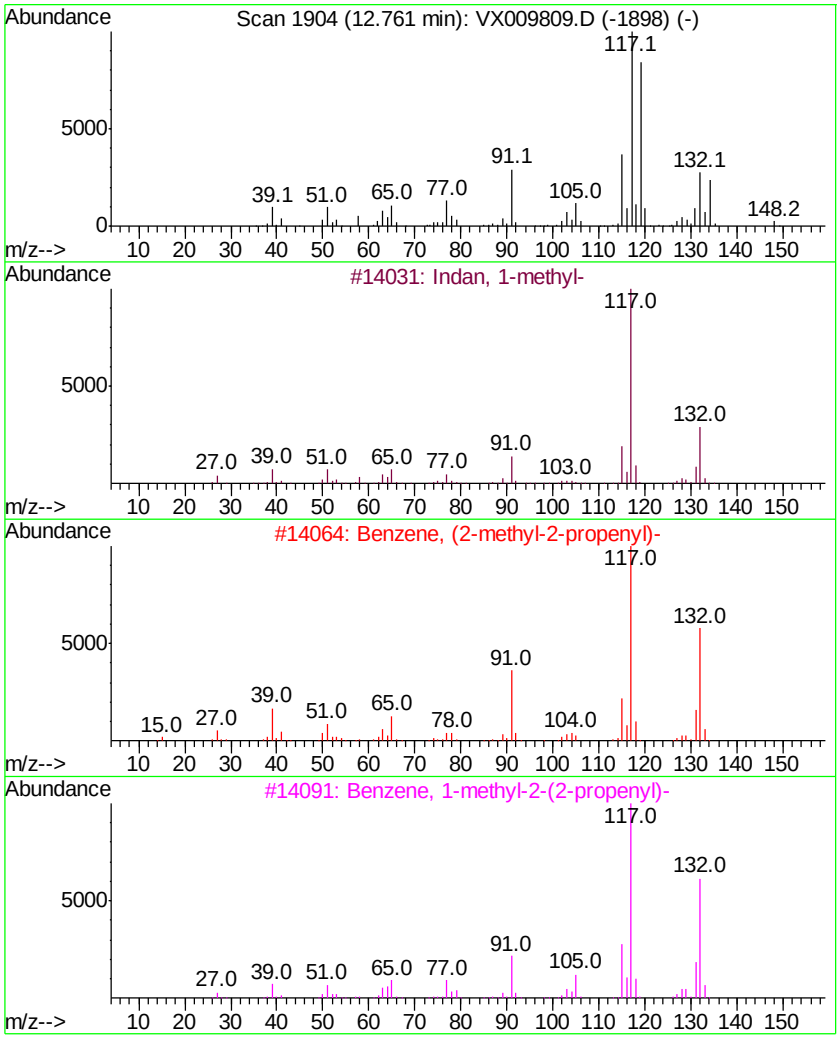
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

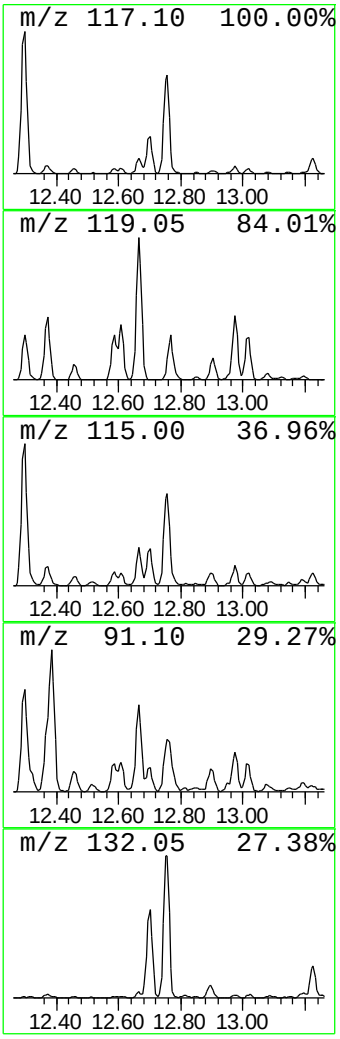
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	23.34 ug/l	340543	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
4	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	81
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

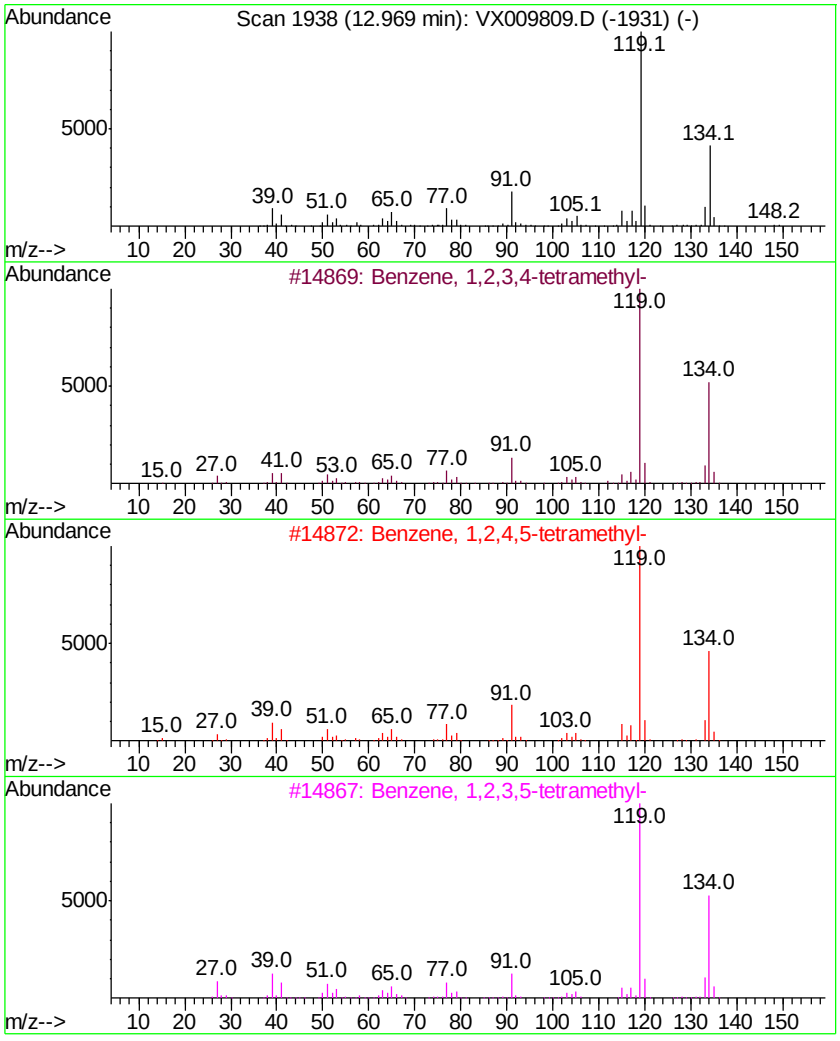
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

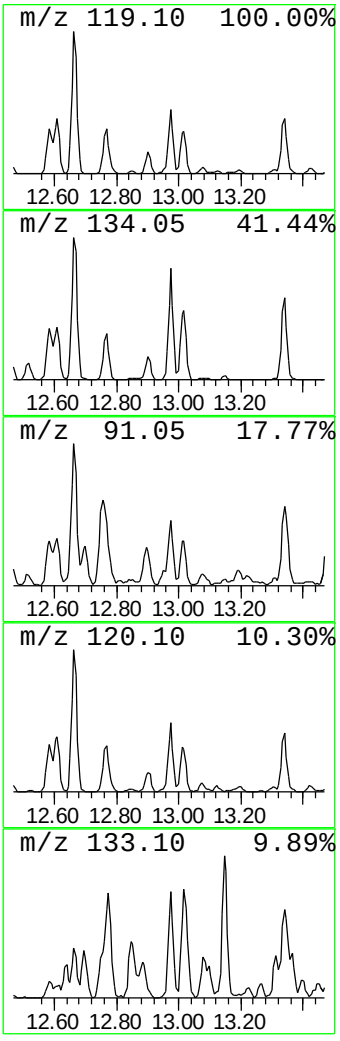
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	13.02 ug/l	189953	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	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

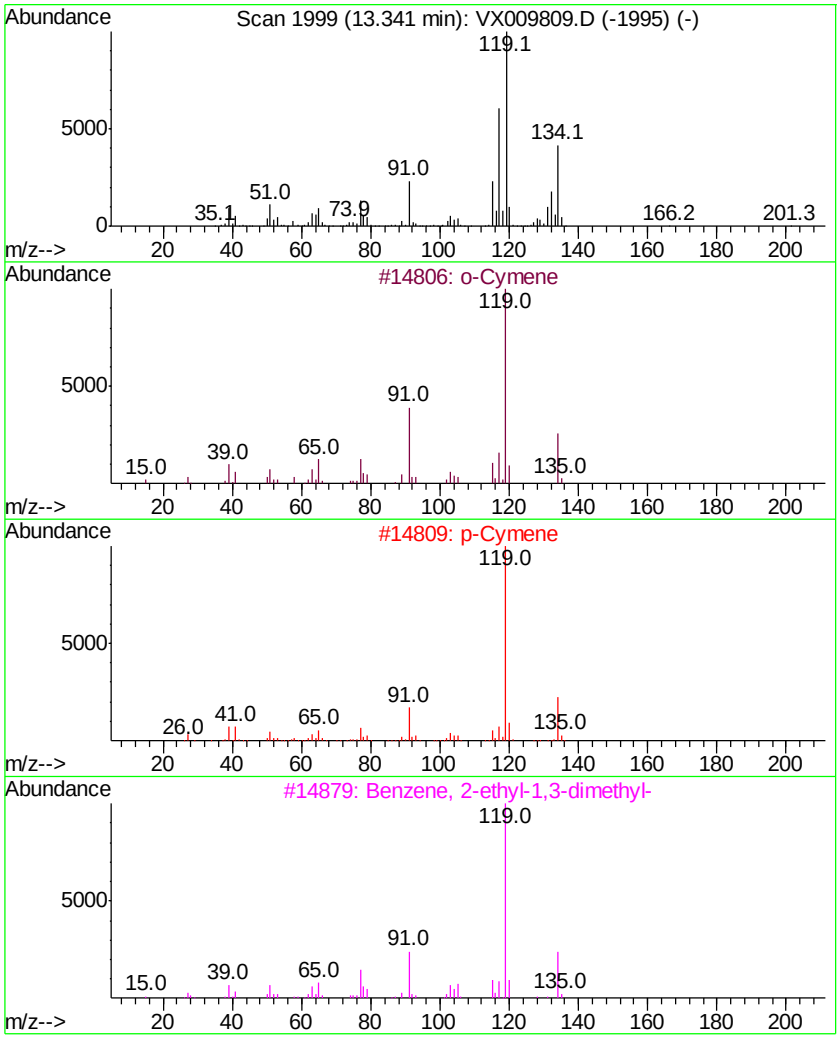
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

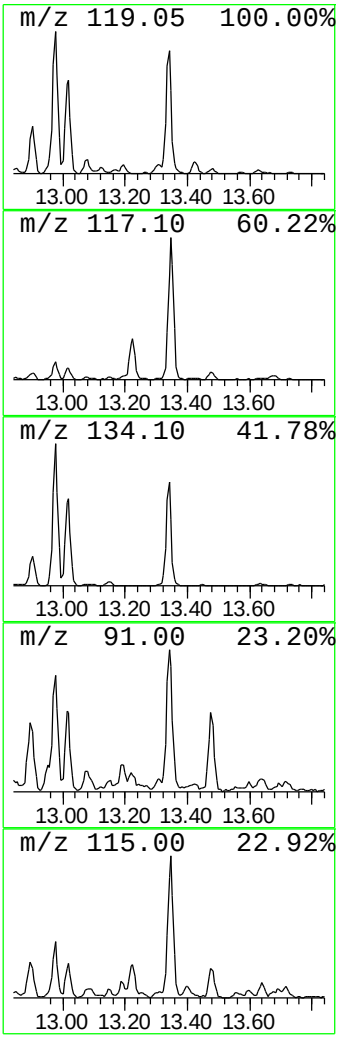
****

Peak Number 10 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	18.63 ug/l	271912	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	64
2	p-Cymene	134	C10H14	000099-87-6	64
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009809.D
Acq On : 22 May 2019 17:07
Operator : JC/SP
Sample : K2977-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E3-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.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-...	11.43	48.7	ug/l	710476	4	12.08	729659	50.0
Benzene, 1-ethyl-...	11.66	12.1	ug/l	176656	4	12.08	729659	50.0
Benzene, 1,2,3-tr...	12.14	67.1	ug/l	978558	4	12.08	729659	50.0
Benzene, 1-propenyl-	12.30	40.8	ug/l	595564	4	12.08	729659	50.0
Benzene, 2-ethyl-...	12.58	9.7	ug/l	142022	4	12.08	729659	50.0
Benzene, 4-ethyl-...	12.66	22.8	ug/l	333106	4	12.08	729659	50.0
Indan, 1-methyl-	12.76	23.3	ug/l	340543	4	12.08	729659	50.0
Benzene, 1,2,3,4-...	12.97	13.0	ug/l	189953	4	12.08	729659	50.0
o-Cymene	13.34	18.6	ug/l	271912	4	12.08	729659	50.0