LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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	2.446	207	212	221	rVB	31318	55395	3.59%	0.550%
2	4.690	568	580	592	rBV3	12887	47380	3.07%	0.471%
3	5.500	701	713	726	rBV	101042	288388	18.70%	2.865%
4	5.665	729	740	755	rVB	176985	504939	32.74%	5.016%
5	6.061	794	805	822	rBV	126556	336049	21.79%	3.338%
6	6.860	925	936	955	rBV	291037	691238	44.82%	6.866%
7	8.713	1234	1240	1255	rVB	611072	950441	61.63%	9.441%
8	10.109	1464	1469	1478	rBV	565219	774277	50.20%	7.691%
9	10.250	1486	1492	1498	rBV	31512	46318	3.00%	0.460%
10	10.359	1501	1510	1516	rBV	195627	291682	18.91%	2.897%
11	10.640	1545	1556	1562	rBV5	12479	31659	2.05%	0.314%
12	10.701	1562	1566	1573	rVB	23628	38377	2.49%	0.381%
13	10.835	1580	1588	1593	rBV3	23310	37364	2.42%	0.371%
14	10.908	1593	1600	1604	rBV3	20675	32206	2.09%	0.320%
15	11.018	1612	1618	1622	rBV	67477	86102	5.58%	0.855%
16	11.134	1632	1637	1642	rBV	460230	591759	38.37%	5.878%
17	11.274	1656	1660	1669	rVB2	17656	26787	1.74%	0.266%
18	11.359	1669	1674	1681	rBV	109042	137883	8.94%	1.370%
19	11.432	1681	1686	1688	rBV	202206	264272	17.14%	2.625%
20	11.505	1693	1698	1706	rVB	211794	278313	18.05%	2.765%
21	11.621	1712	1717	1720	rBV	38884	48340	3.13%	0.480%
22	11.664	1720	1724	1732	rVB	70814	101040	6.55%	1.004%
23	11.768	1737	1741	1743	rVV	23630	30439	1.97%	0.302%
24	11.804	1743	1747	1757	rVB	1289828	1542279	100.00%	15.320%
25	11.920	1757	1766	1767	rBV2	20816	31054	2.01%	0.308%
26	11.944	1767	1770	1775	rVB	40553	50711	3.29%	0.504%
27	12.024	1780	1783	1786	rVV	36894	43620	2.83%	0.433%
28	12.079	1786	1792	1797	rVV	538734	718900	46.61%	7.141%
29	12.139	1797	1802	1809	rVV	448248	537697	34.86%	5.341%
30	12.231	1812	1817	1823	rVB	20662	30419	1.97%	0.302%
31	12.298	1823	1828	1835	rBV3	117720	198836	12.89%	1.975%
32	12.371	1835	1840	1848	rVB3	89466	152066	9.86%	1.511%
33	12.456	1848	1854	1859	rBV	23382	34248	2.22%	0.340%
34	12.517	1860	1864	1869	rVB	13767	19767	1.28%	0.196%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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	12.585	1869	1875	1877	rBV	76001	102082	6.62%	1.014%
36	12.609	1877	1879	1884	rVV	84268	87274	5.66%	0.867%
37	12.664	1884	1888	1892	rVV	101729	122746	7.96%	1.219%
38	12.700	1892	1894	1898	rVV	26560	29323	1.90%	0.291%
39	12.755	1898	1903	1910	rVB4	70742	126904	8.23%	1.261%
40	12.902	1922	1927	1931	rVB2	38954	53984	3.50%	0.536%
41	12.975	1931	1939	1942	rVV	48760	65451	4.24%	0.650%
42	13.017	1942	1946	1952	rVB	79326	98742	6.40%	0.981%
43	13.084	1952	1957	1962	rBV3	9938	16678	1.08%	0.166%
44	13.340	1995	1999	2006	rVB2	95577	136021	8.82%	1.351%
45	13.481	2017	2022	2026	rVB	51252	68552	4.44%	0.681%
46	13.828	2073	2079	2088	rVB	81104	109115	7.07%	1.084%

Sum of corrected areas: 10067117

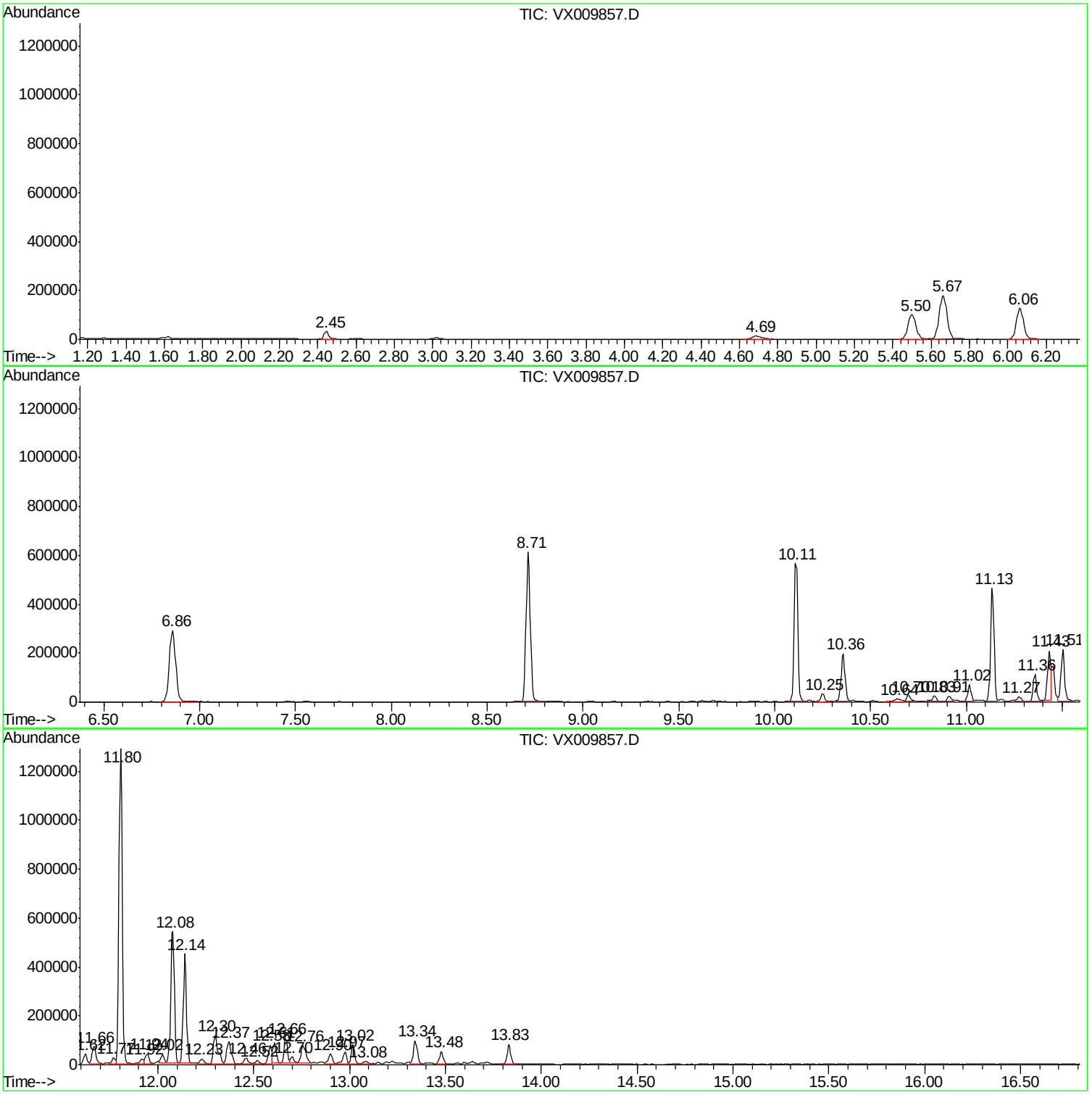
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

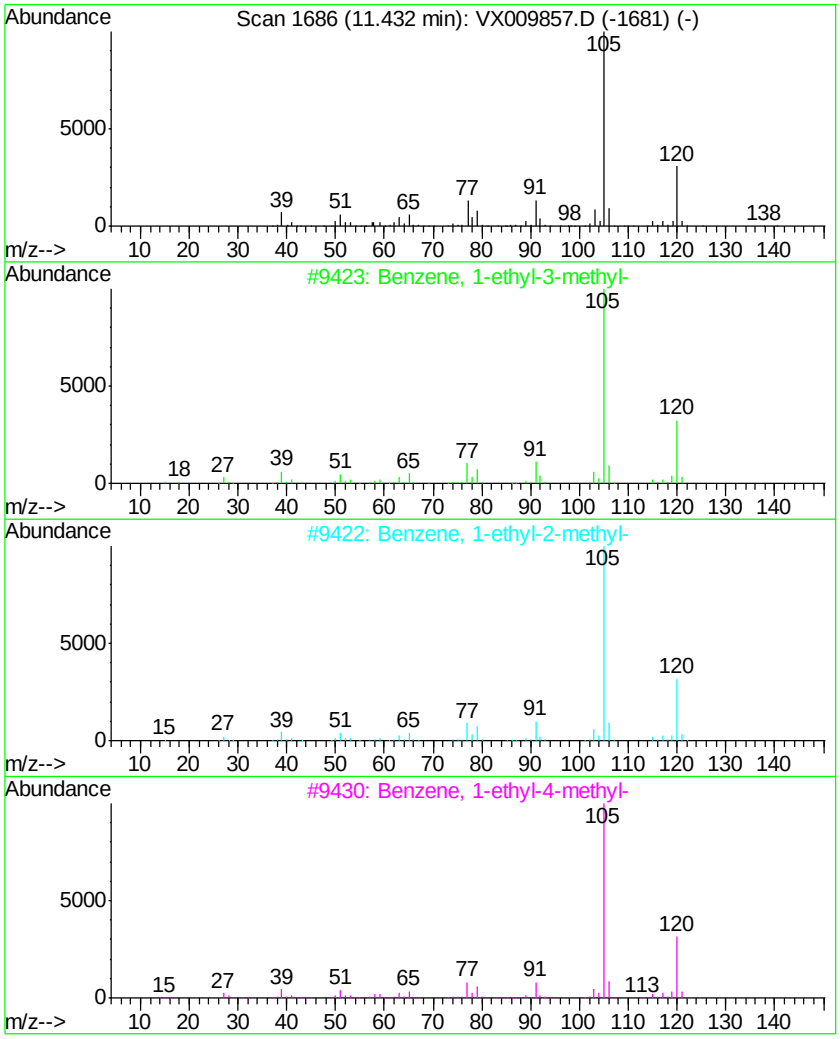
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

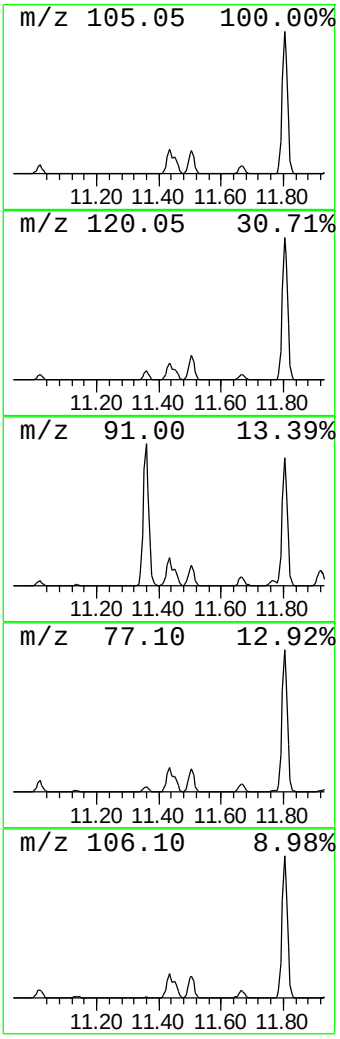
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	18.38 ug/l	264272	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	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

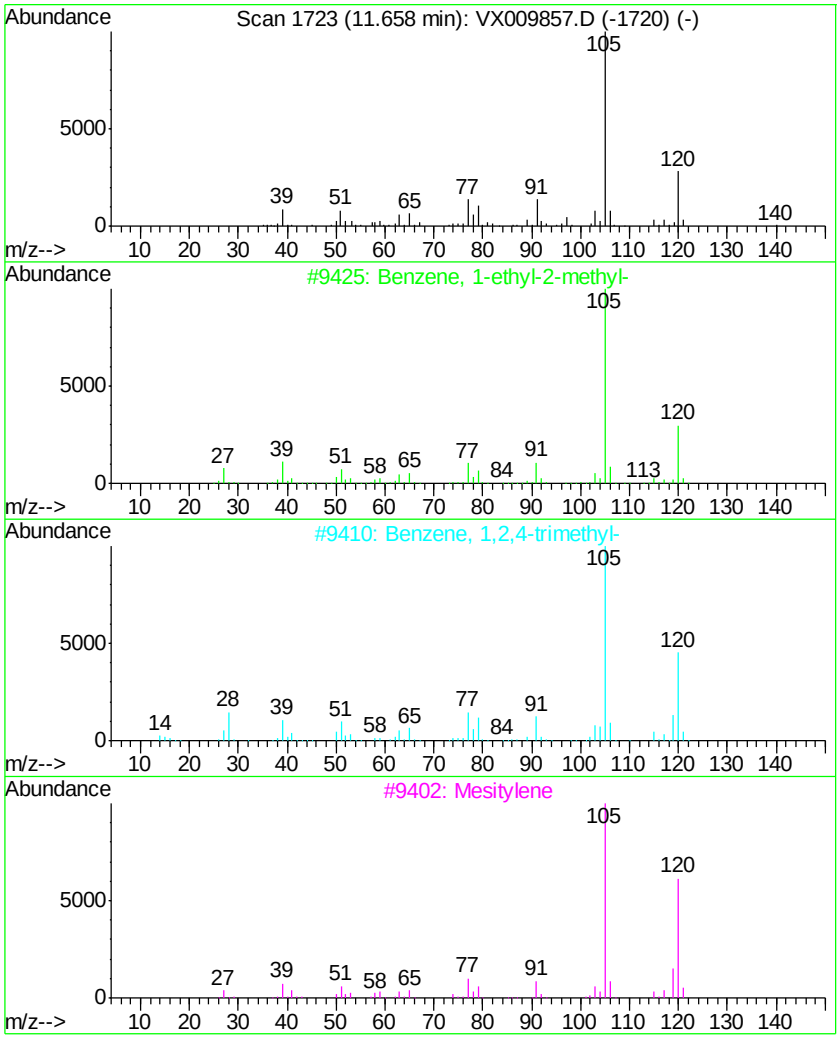
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

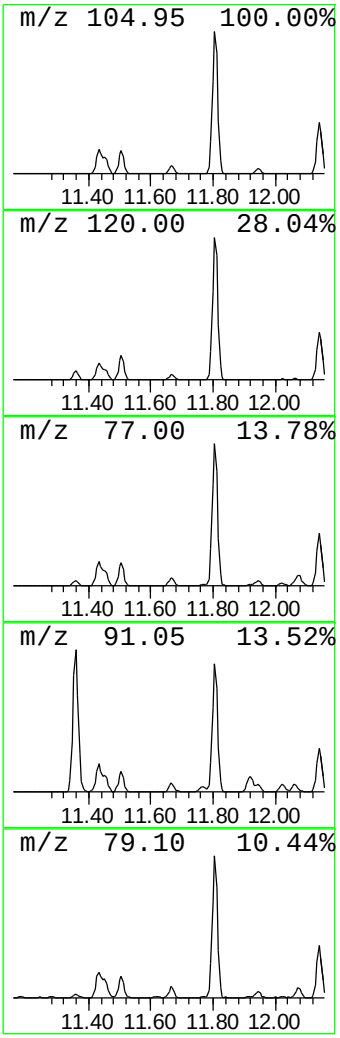
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	7.03 ug/l	101040	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	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

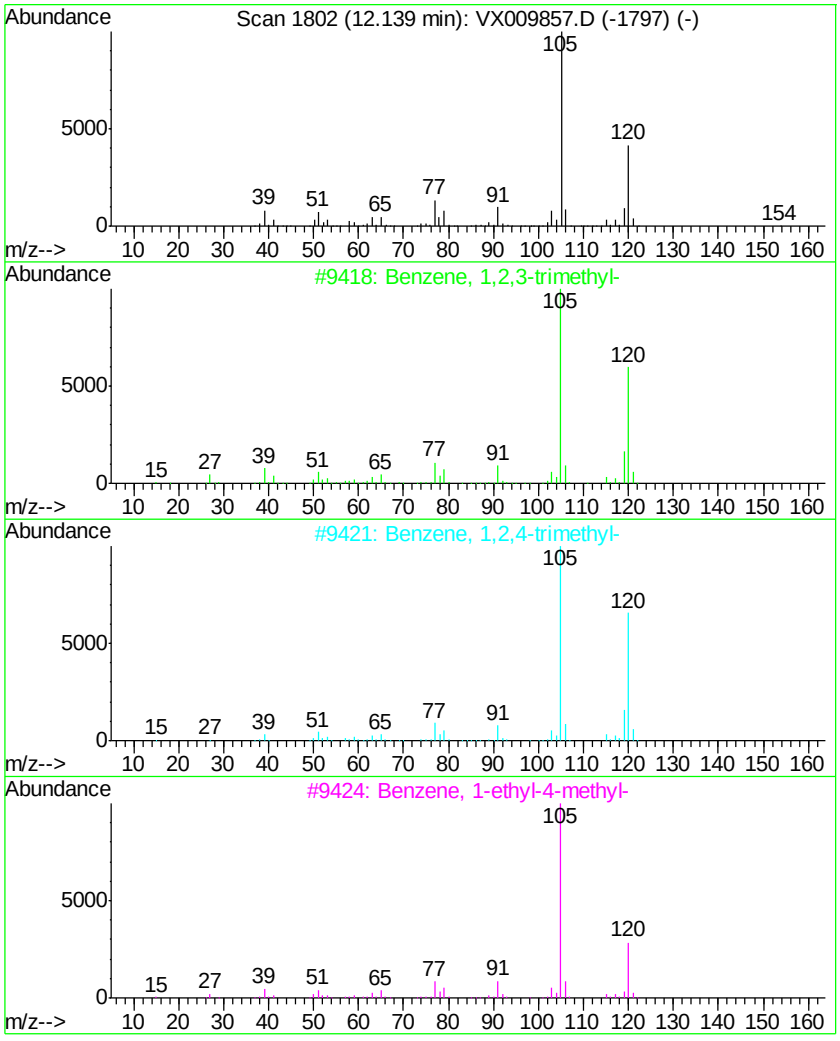
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

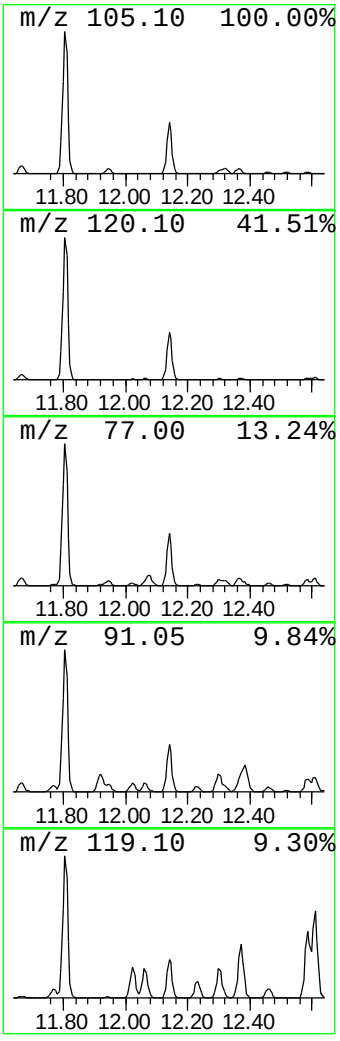
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	37.40 ug/l	537697	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	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

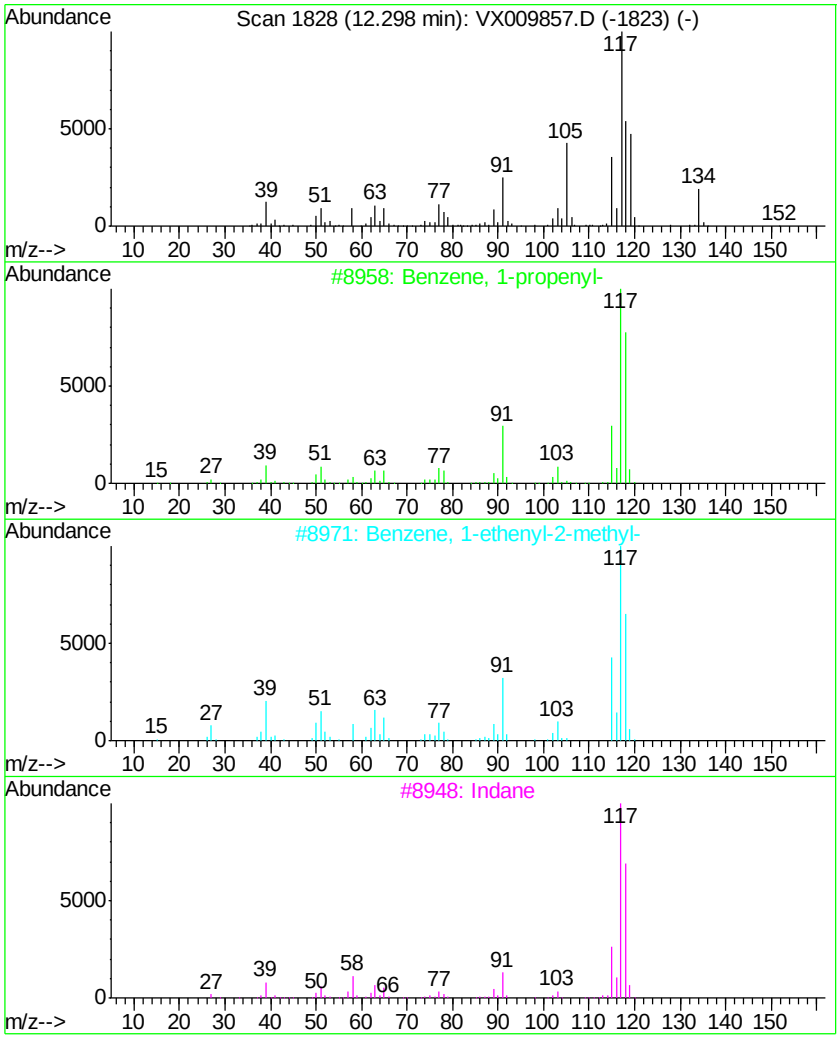
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

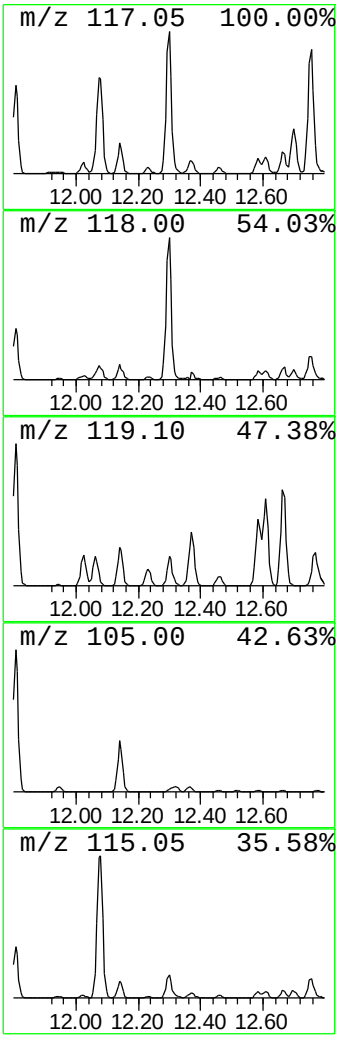
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	13.83 ug/l	198836	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	87
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
3	Indane	118	C9H10	000496-11-7	60
4	Deltacyclene	118	C9H10	007785-10-6	55
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

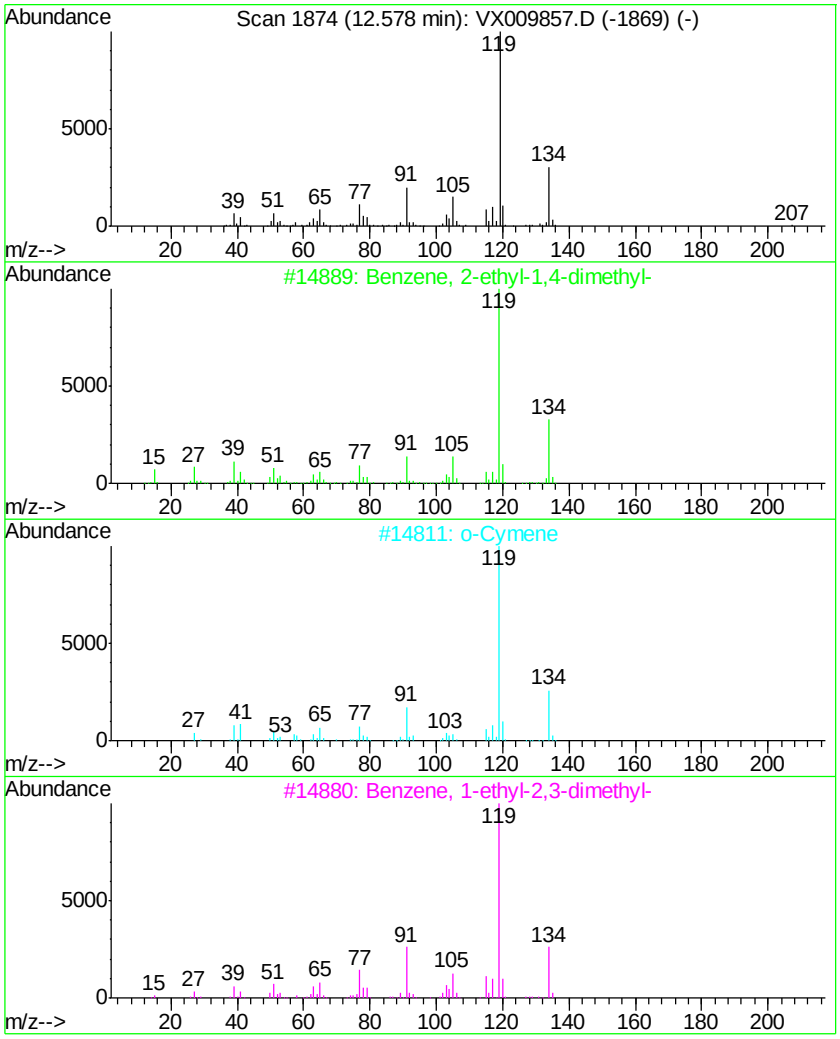
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

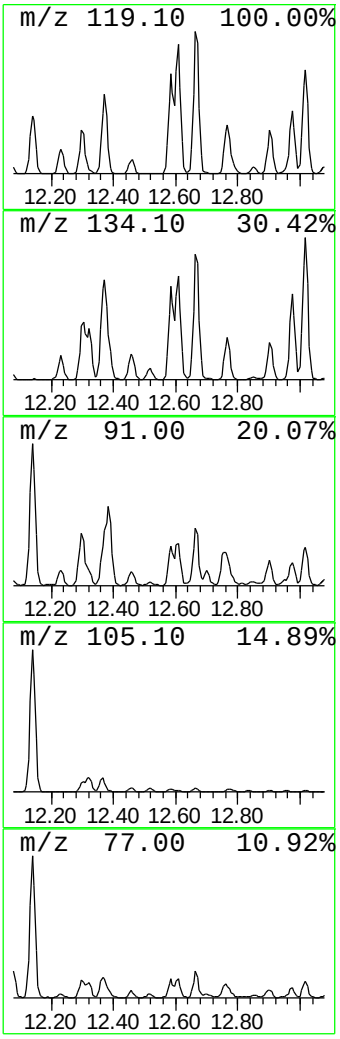
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	7.10 ug/l	102082	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	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

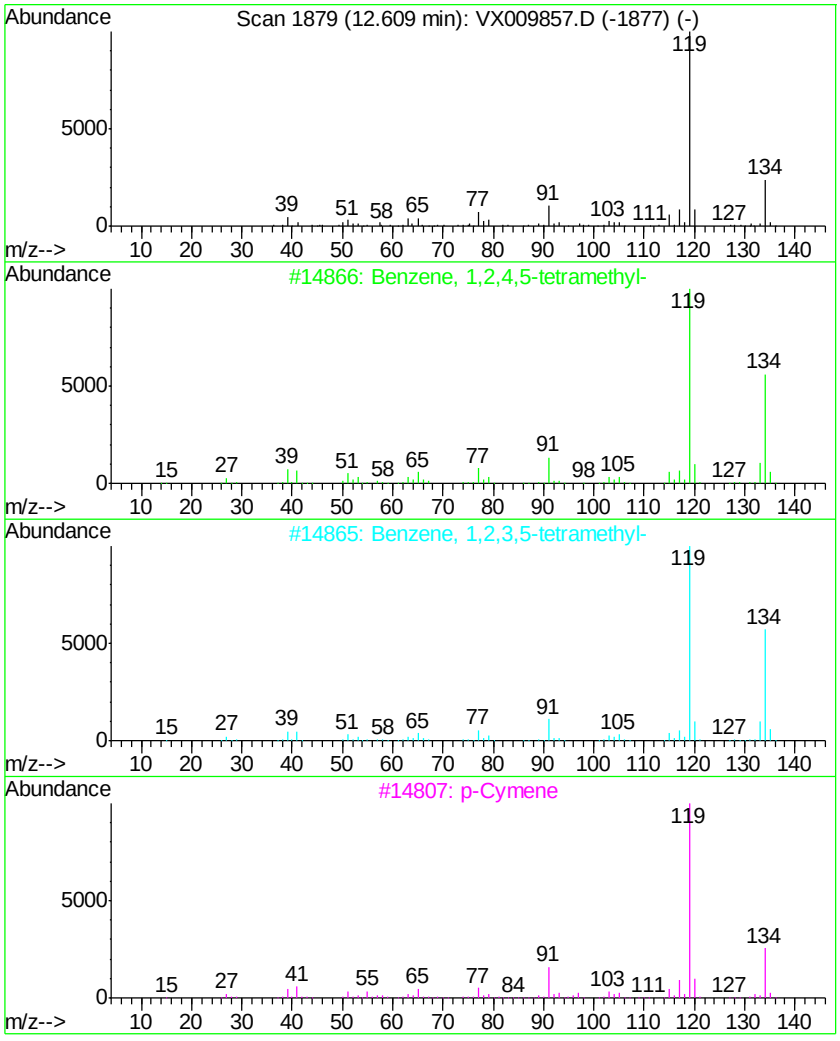
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

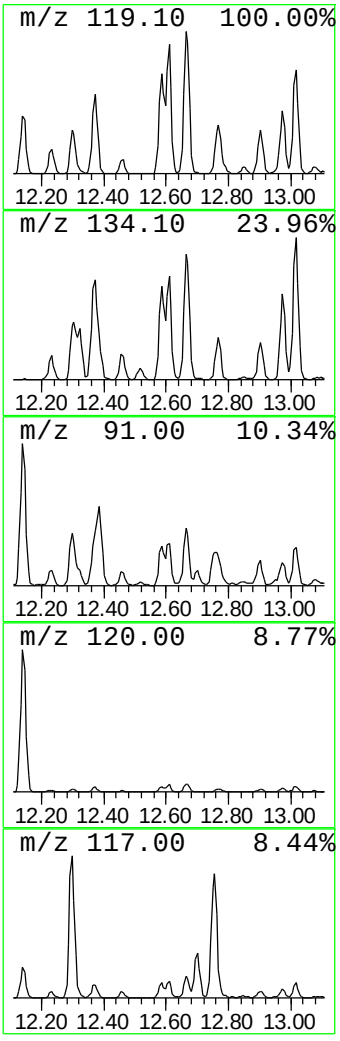
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	6.07 ug/l	87274	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	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

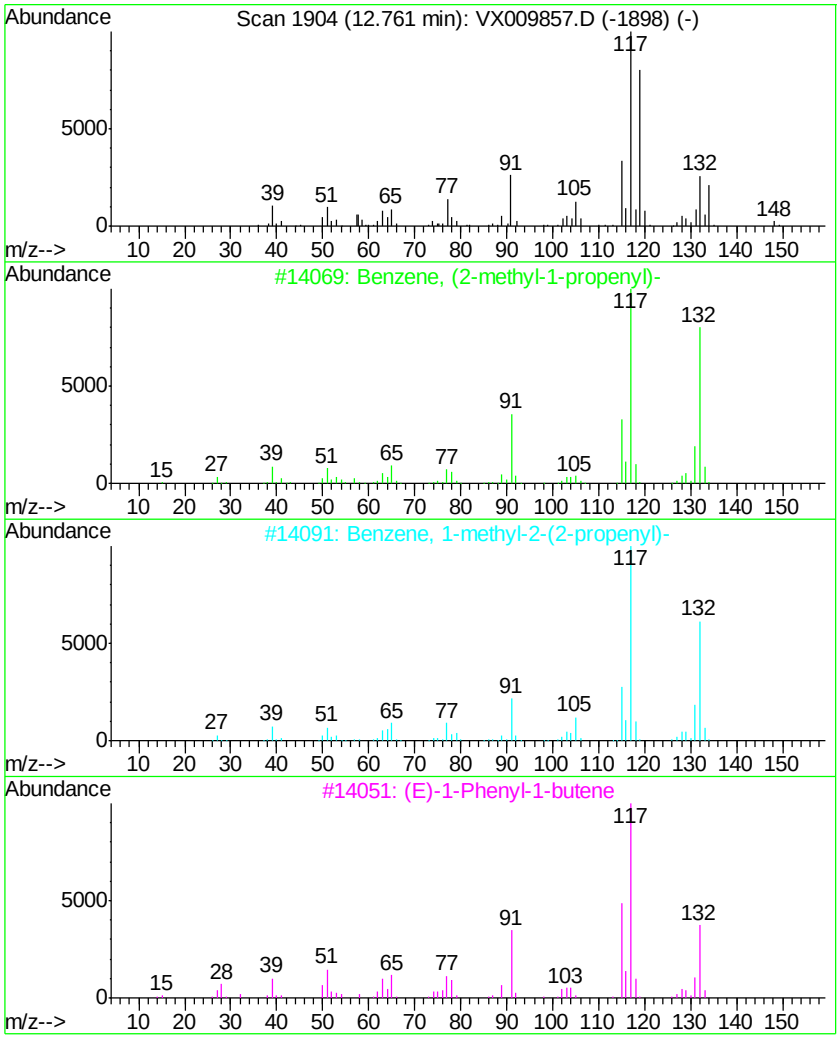
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

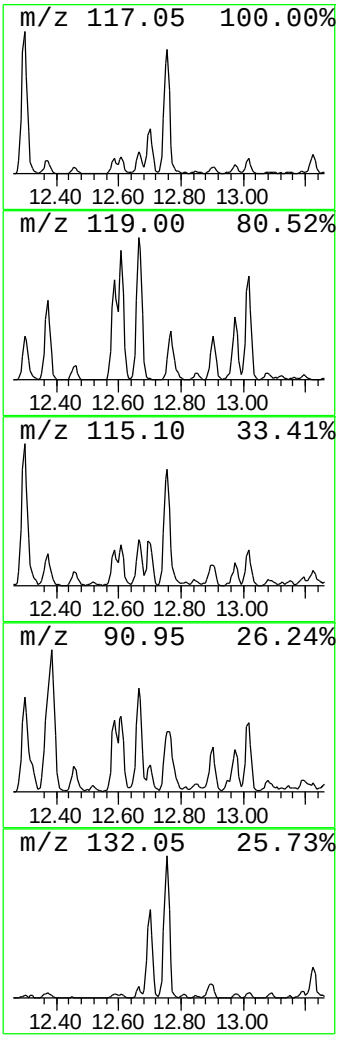
****

Peak Number 8 Benzene, (2-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	8.83 ug/l	126904	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	81
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

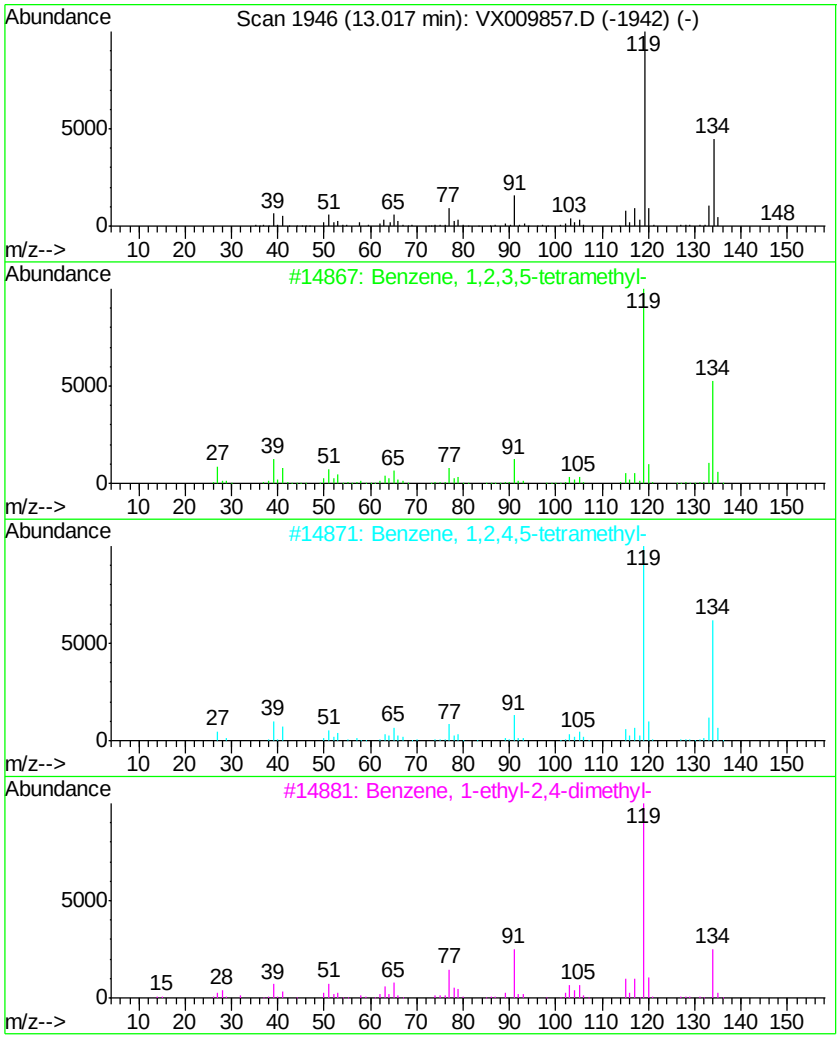
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

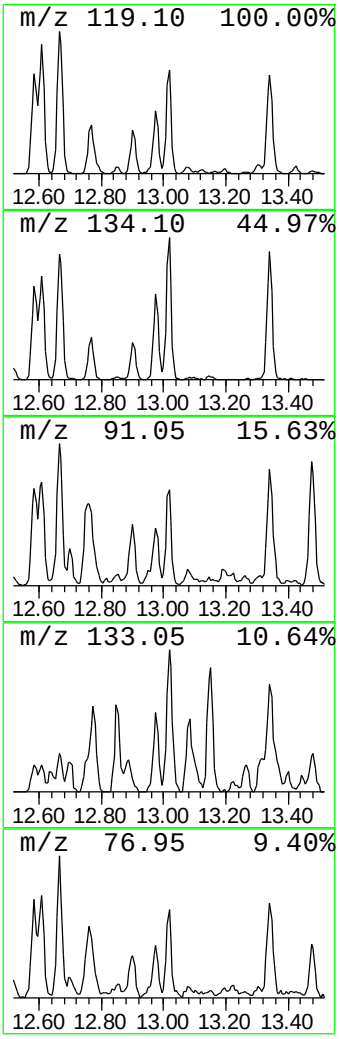
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	6.87 ug/l	98742	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	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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

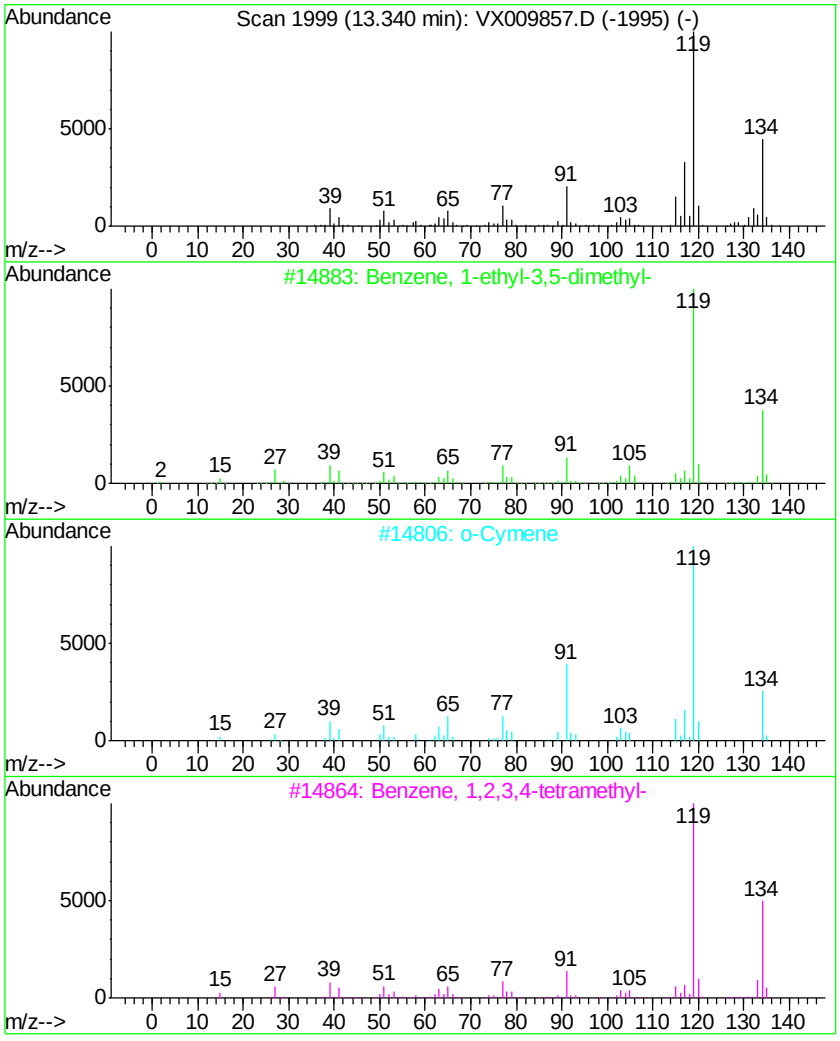
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

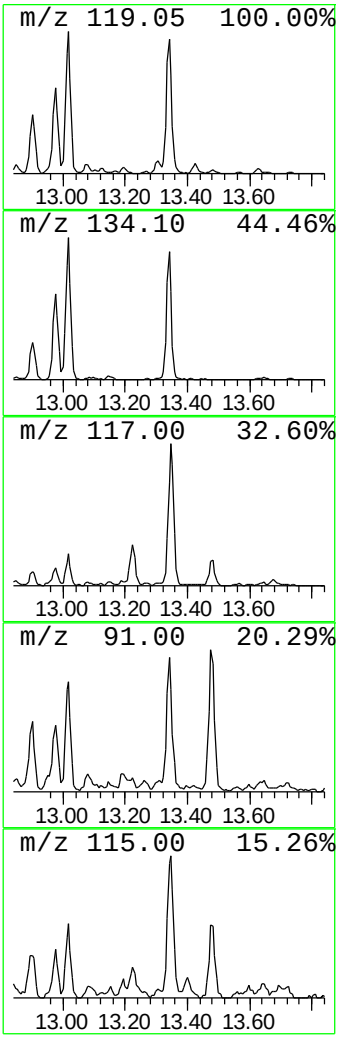
****

Peak Number 10 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	9.46 ug/l	136021	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
2	o-Cymene	134	C10H14	000527-84-4	81
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009857.D
Acq On : 23 May 2019 14:44
Operator : JC/SP
Sample : K2977-10 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W1-2

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	18.4	ug/l	264272	4	12.08	718900	50.0
Benzene, 1-ethyl-...	11.66	7.0	ug/l	101040	4	12.08	718900	50.0
Benzene, 1,2,3-tr...	12.14	37.4	ug/l	537697	4	12.08	718900	50.0
Benzene, 1-propenyl-	12.30	13.8	ug/l	198836	4	12.08	718900	50.0
Benzene, 2-ethyl-...	12.58	7.1	ug/l	102082	4	12.08	718900	50.0
Benzene, 1,2,4,5-...	12.61	6.1	ug/l	87274	4	12.08	718900	50.0
Benzene, (2-methy...	12.76	8.8	ug/l	126904	4	12.08	718900	50.0
Benzene, 1,2,3,5-...	13.02	6.9	ug/l	98742	4	12.08	718900	50.0
Benzene, 1-ethyl-...	13.34	9.5	ug/l	136021	4	12.08	718900	50.0