LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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	1.282	18	21	27	rBV	23935	22755	1.56%	0.231%
2	2.446	204	212	222	rBV	31792	58120	3.98%	0.591%
3	3.019	296	306	317	rBV2	5169	14667	1.00%	0.149%
4	4.684	566	579	596	rBV4	11024	40775	2.79%	0.414%
5	5.500	699	713	727	rBV	100544	290498	19.91%	2.953%
6	5.659	727	739	754	rVV	180620	509367	34.90%	5.177%
7	6.061	795	805	817	rBV	127219	337956	23.16%	3.435%
8	6.860	925	936	959	rBV	288952	692867	47.48%	7.042%
9	8.713	1233	1240	1251	rBV	619124	957899	65.64%	9.736%
10	10.109	1464	1469	1476	rBV	570465	775133	53.11%	7.878%
11	10.250	1486	1492	1499	rBV	29272	42183	2.89%	0.429%
12	10.359	1499	1510	1516	rBV	191621	281292	19.27%	2.859%
13	10.640	1549	1556	1562	rBV5	10435	23266	1.59%	0.236%
14	10.695	1562	1565	1574	rVB	22676	36424	2.50%	0.370%
15	10.835	1579	1588	1593	rBV3	21536	34444	2.36%	0.350%
16	10.908	1593	1600	1604	rBV3	17458	28368	1.94%	0.288%
17	11.018	1612	1618	1622	rBV	62821	83775	5.74%	0.851%
18	11.134	1632	1637	1643	rBV	473720	591749	40.55%	6.015%
19	11.274	1656	1660	1668	rVB3	16820	25041	1.72%	0.255%
20	11.359	1668	1674	1681	rBV	103255	133798	9.17%	1.360%
21	11.432	1681	1686	1688	rBV	191839	251806	17.25%	2.559%
22	11.506	1693	1698	1706	rVB	205471	260690	17.86%	2.650%
23	11.621	1712	1717	1720	rBV	39240	49910	3.42%	0.507%
24	11.664	1720	1724	1732	rVB	67865	96527	6.61%	0.981%
25	11.768	1737	1741	1743	rVV	21554	28876	1.98%	0.293%
26	11.804	1743	1747	1757	rVB	1206786	1459420	100.00%	14.834%
27	11.920	1757	1766	1767	rBV	19708	30326	2.08%	0.308%
28	11.944	1767	1770	1775	rVB	40385	50231	3.44%	0.511%
29	12.024	1780	1783	1786	rVV	33856	39674	2.72%	0.403%
30	12.072	1786	1791	1797	rVV	525367	705716	48.36%	7.173%
31	12.140	1797	1802	1812	rVB	428438	508913	34.87%	5.173%
32	12.231	1812	1817	1822	rVB	20411	29187	2.00%	0.297%
33	12.298	1822	1828	1835	rBV3	114893	190966	13.09%	1.941%
34	12.371	1835	1840	1848	rVB3	84318	142624	9.77%	1.450%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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	12.457	1848	1854	1860	rBV	22741	34198	2.34%	0.348%
36	12.518	1860	1864	1869	rVB	11907	17664	1.21%	0.180%
37	12.585	1869	1875	1877	rBV	71040	97805	6.70%	0.994%
38	12.609	1877	1879	1883	rVV	81061	81560	5.59%	0.829%
39	12.664	1884	1888	1891	rVV	95194	112909	7.74%	1.148%
40	12.700	1891	1894	1898	rVV	26478	32054	2.20%	0.326%
41	12.755	1898	1903	1910	rVB4	65918	118621	8.13%	1.206%
42	12.902	1922	1927	1931	rVB2	37428	52002	3.56%	0.529%
43	12.975	1931	1939	1942	rVV	43668	60489	4.14%	0.615%
44	13.017	1942	1946	1952	rVB	75953	93123	6.38%	0.947%
45	13.078	1952	1956	1961	rBV3	10209	15147	1.04%	0.154%
46	13.341	1995	1999	2006	rVB3	90620	128415	8.80%	1.305%
47	13.475	2017	2021	2026	rVB	50640	63171	4.33%	0.642%
48	13.834	2072	2080	2087	rVB	76236	106221	7.28%	1.080%

Sum of corrected areas: 9838622

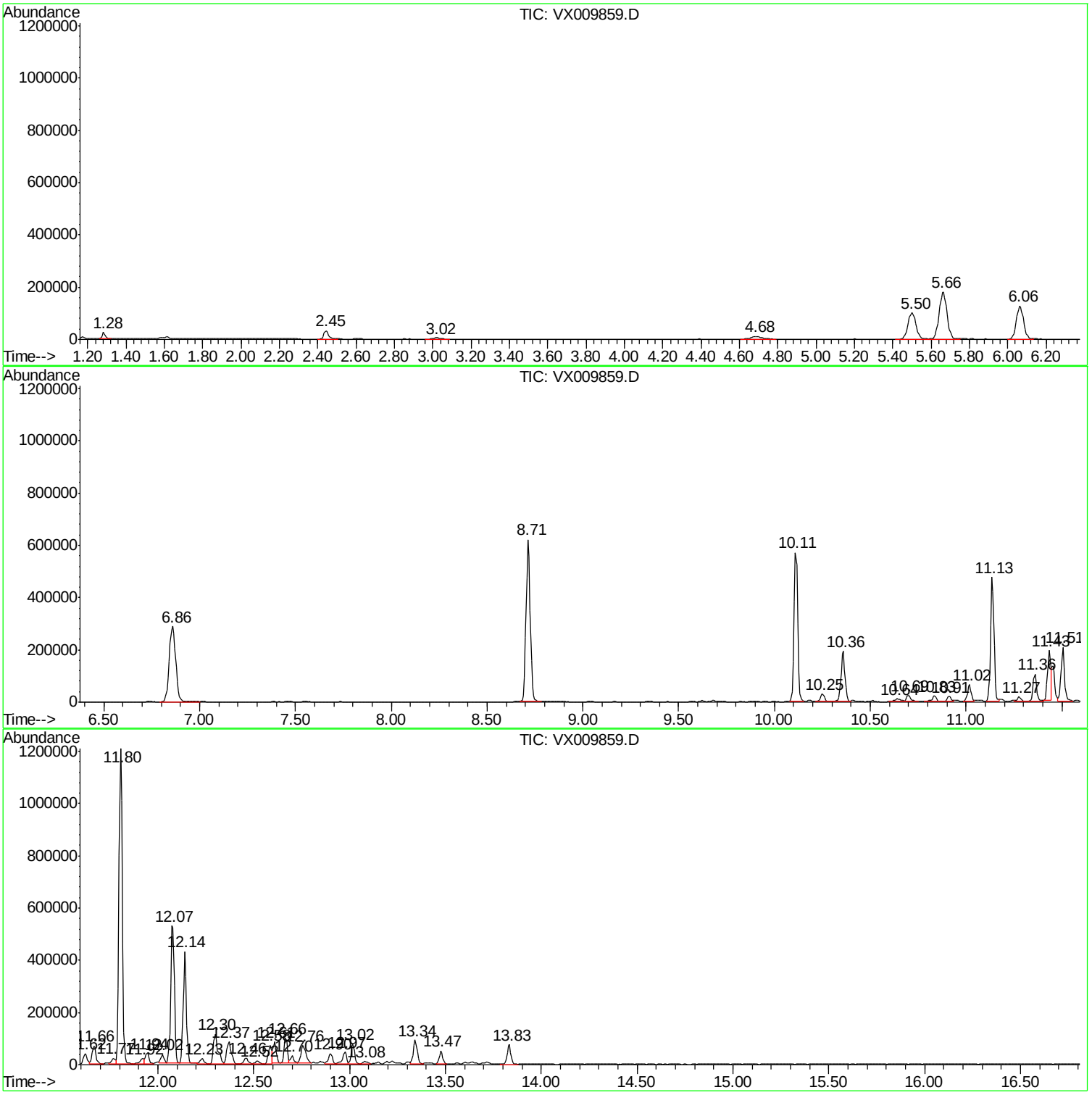
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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 : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

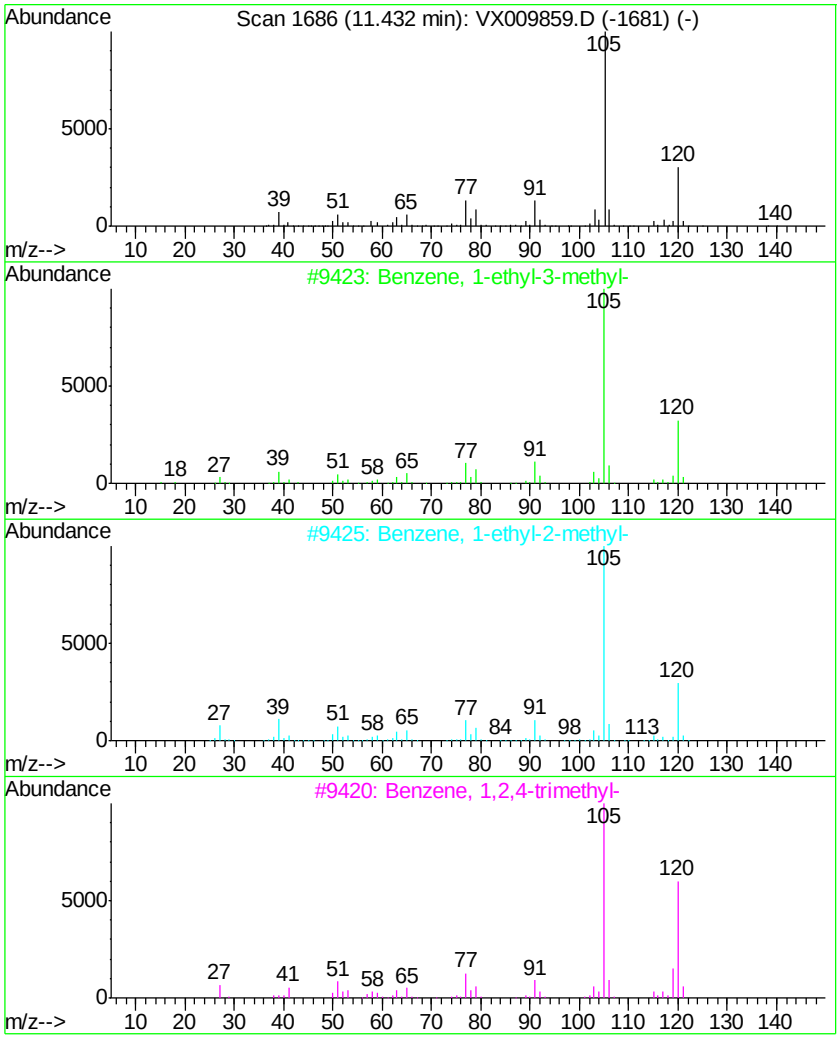
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

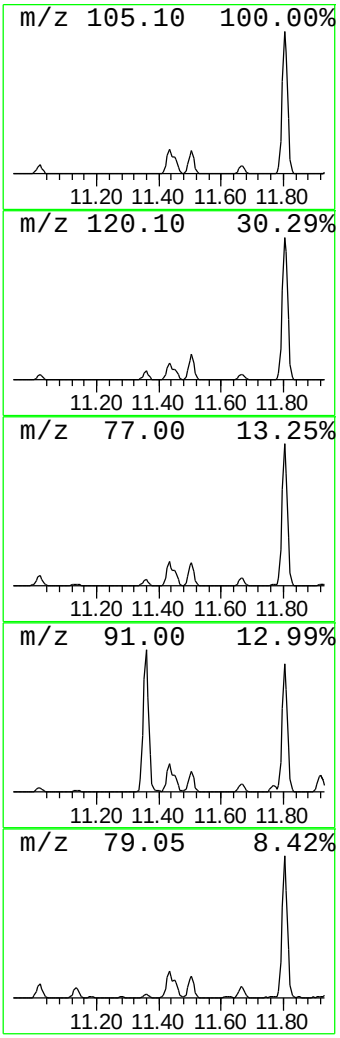
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	17.84 ug/l	251806	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

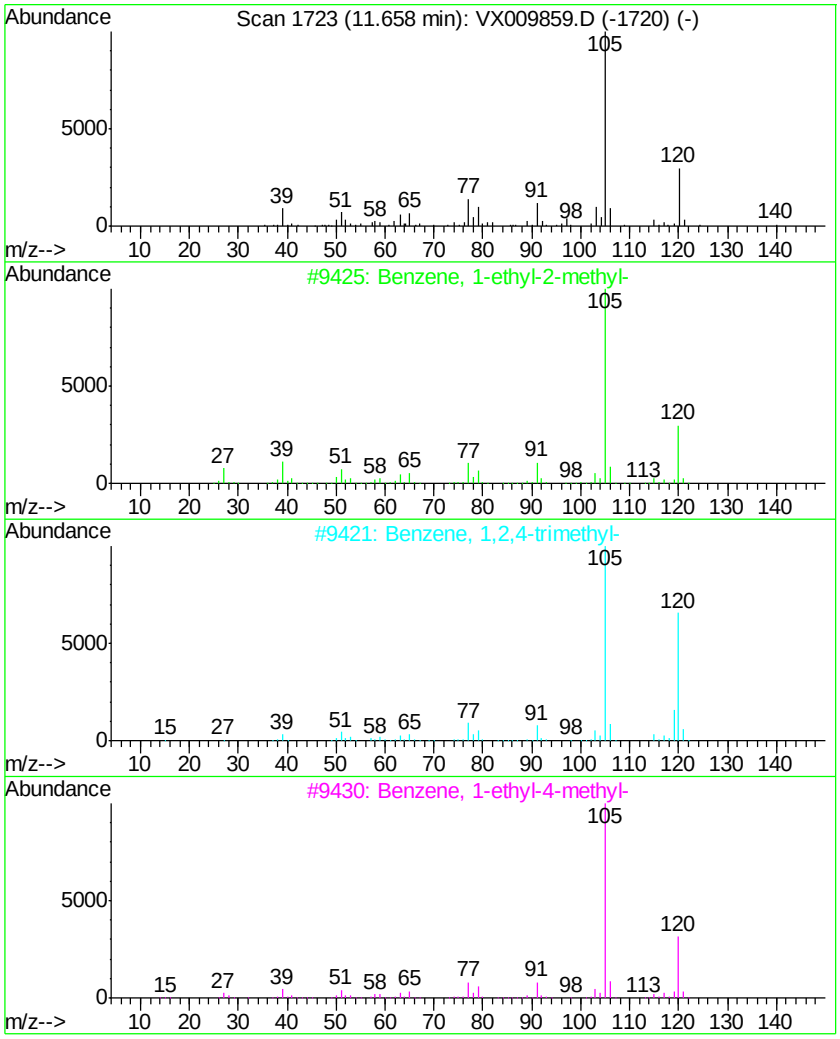
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

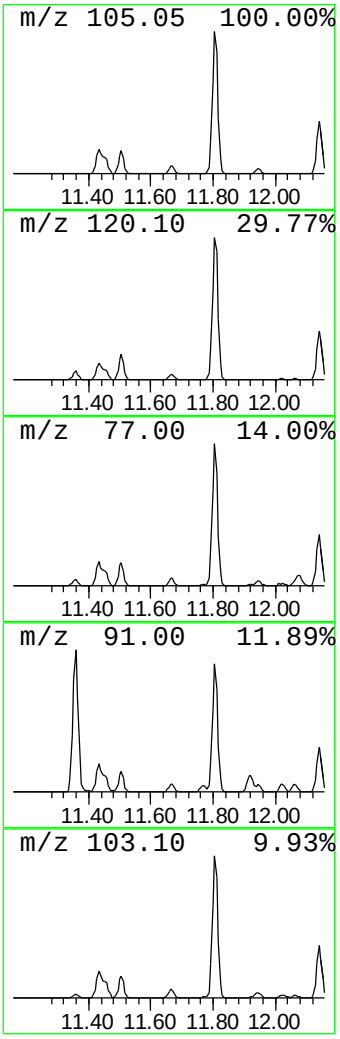
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	6.84 ug/l	96527	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	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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

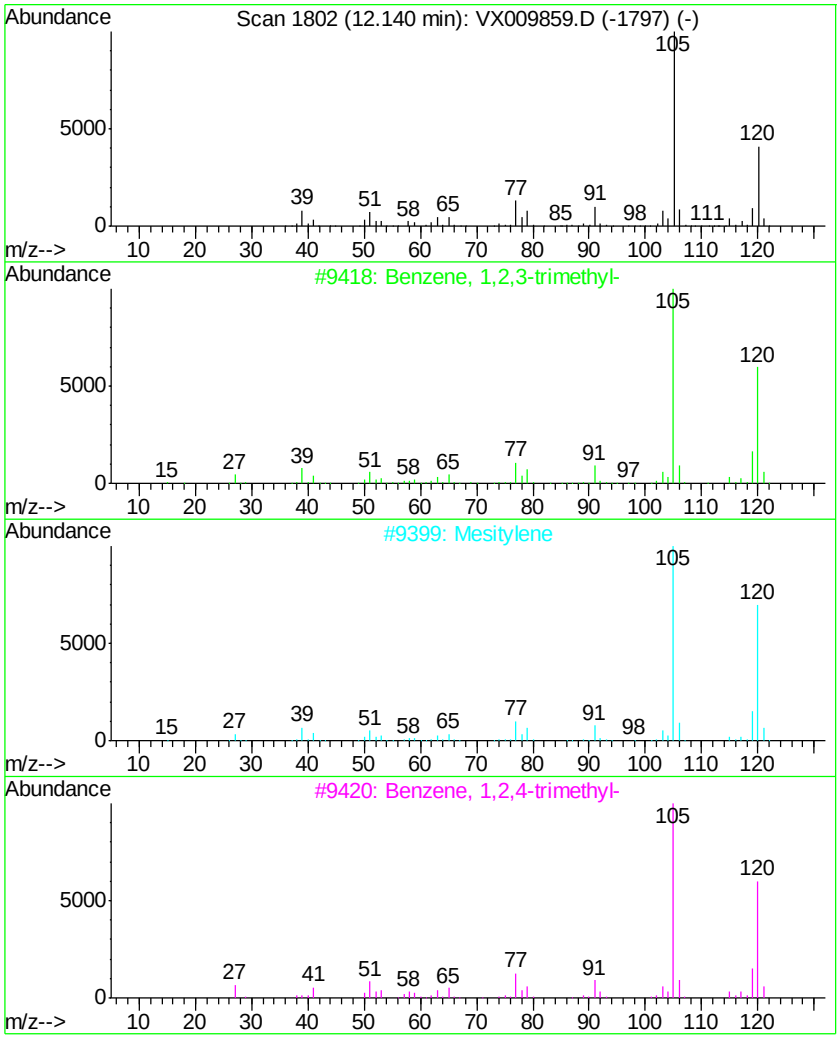
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

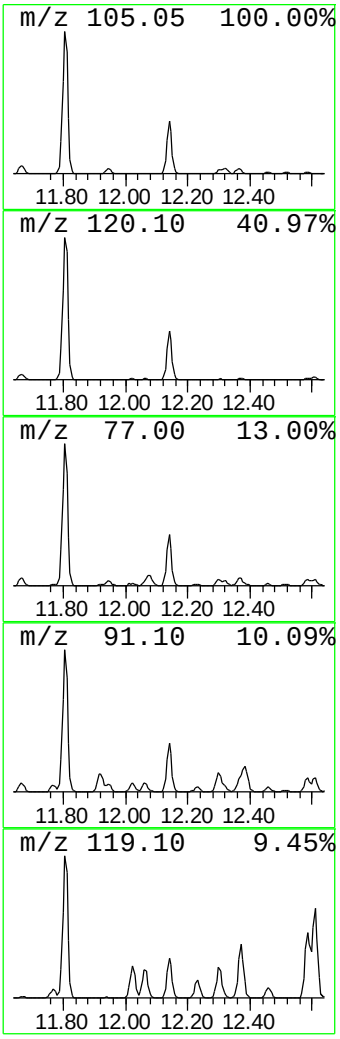
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	36.06 ug/l	508913	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	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

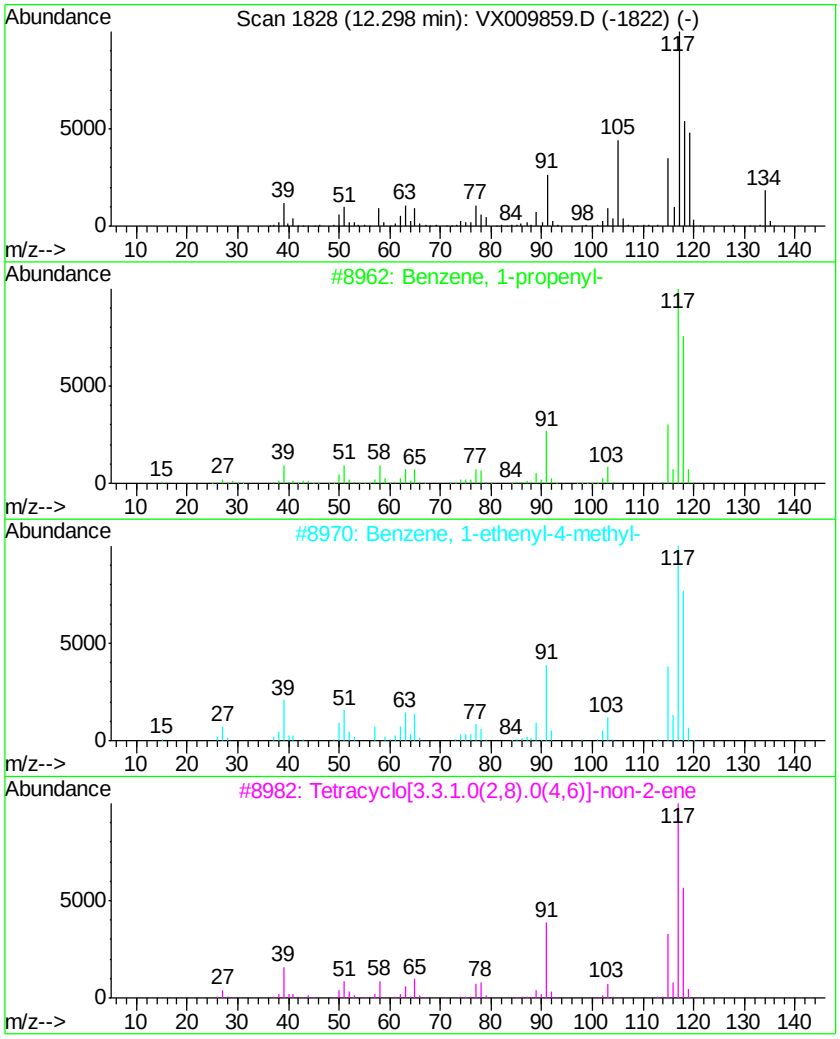
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

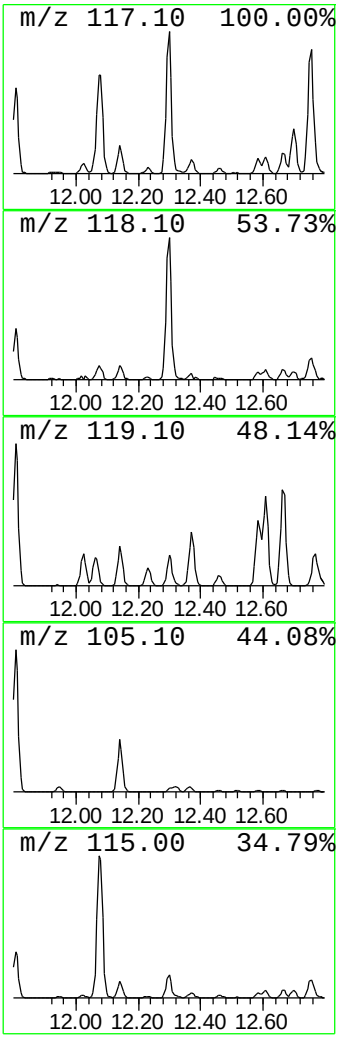
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	13.53 ug/l	190966	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	60
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
5	Indane	118	C9H10	000496-11-7	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

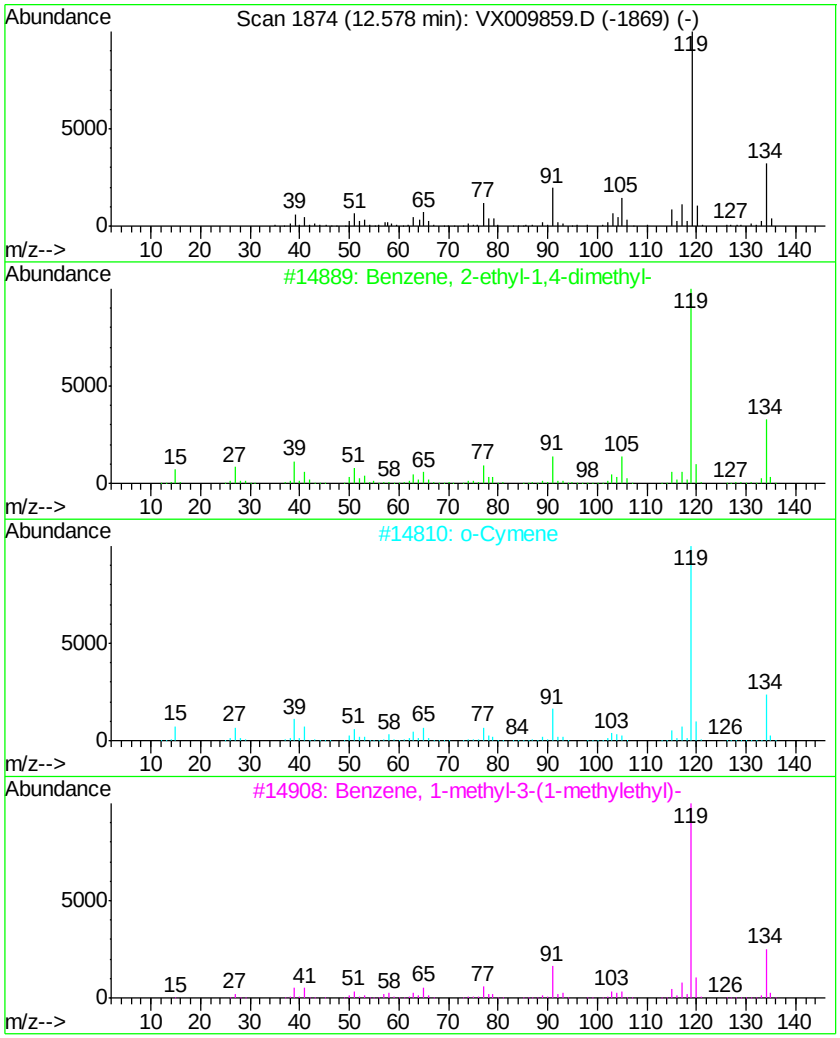
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

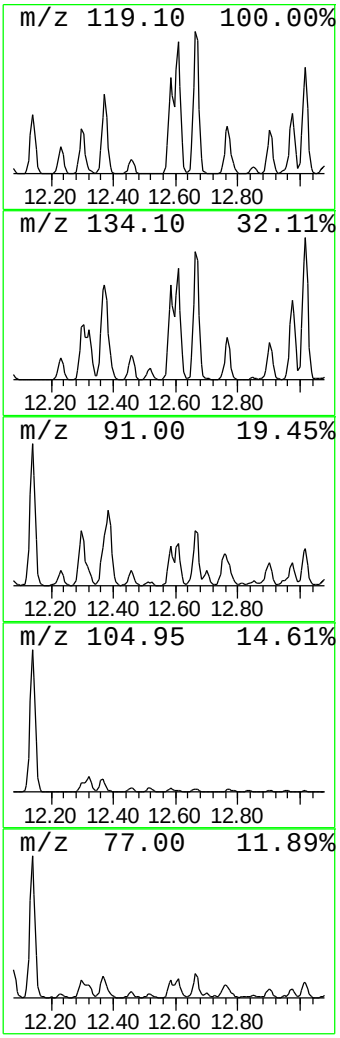
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	6.93 ug/l	97805	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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

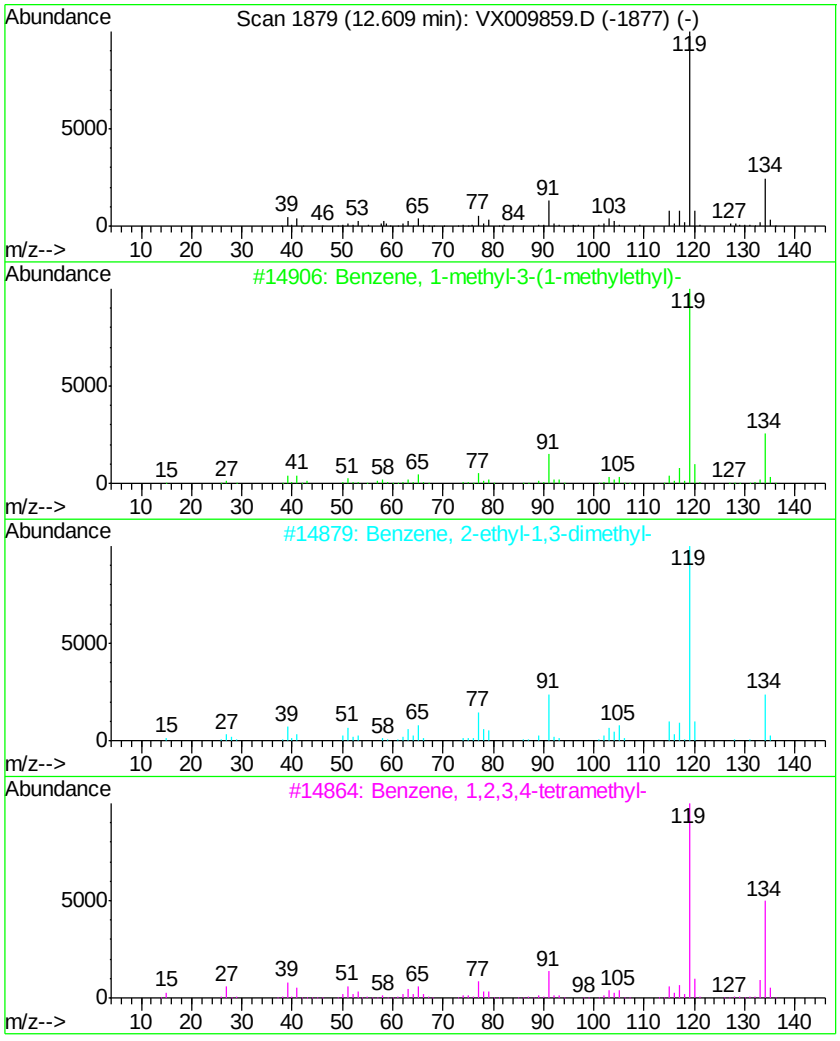
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

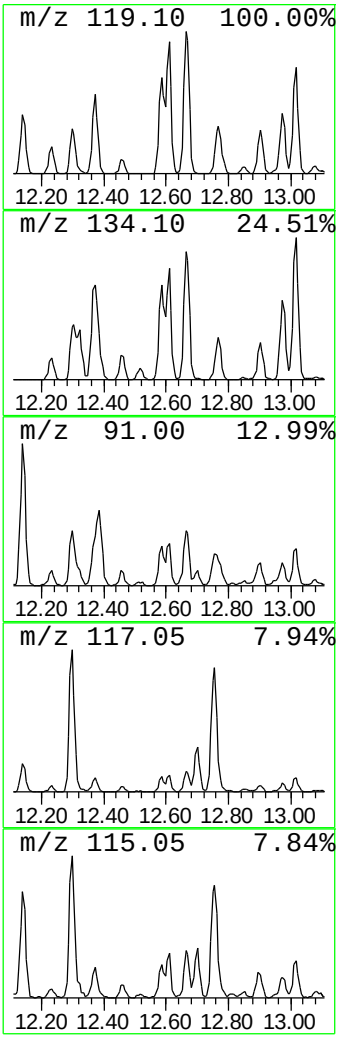
****

Peak Number 6 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	5.78 ug/l	81560	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

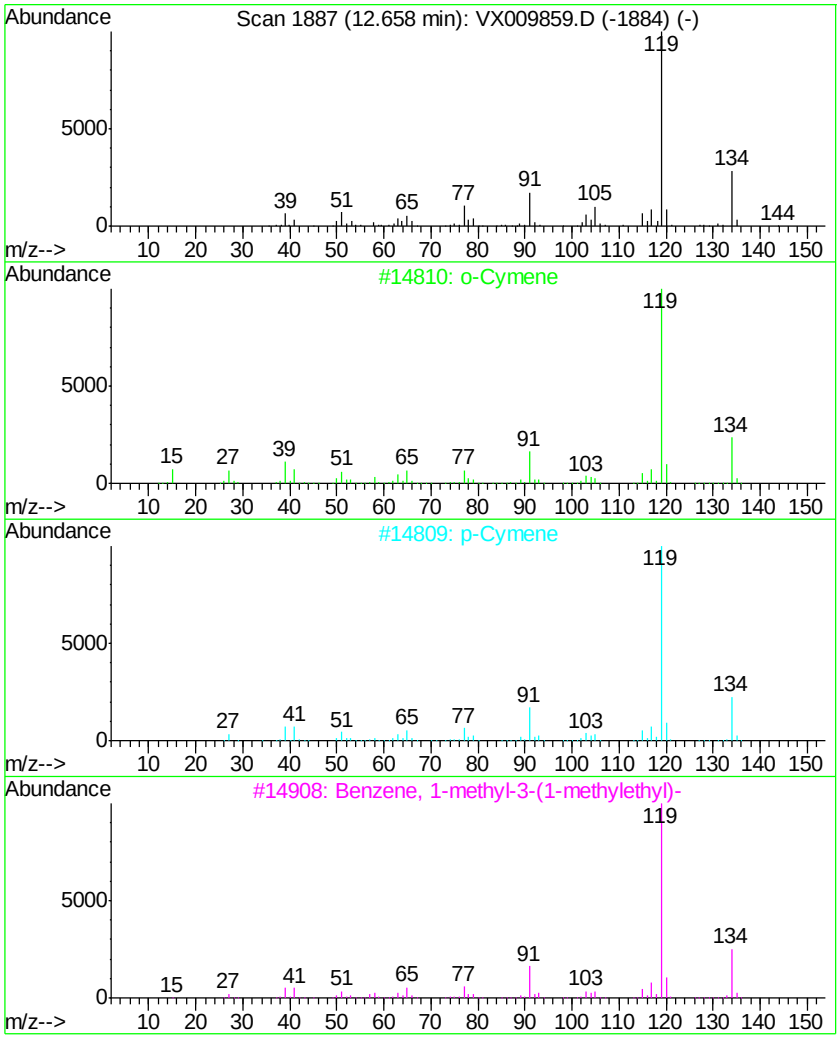
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

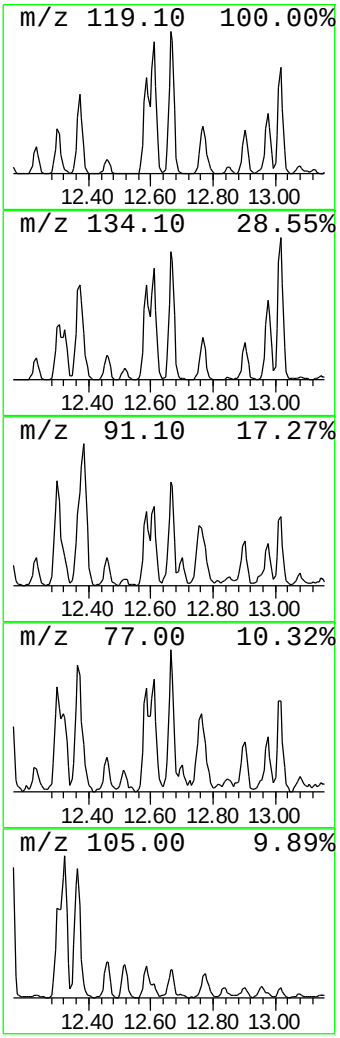
****

Peak Number 7 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	8.00 ug/l	112909	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

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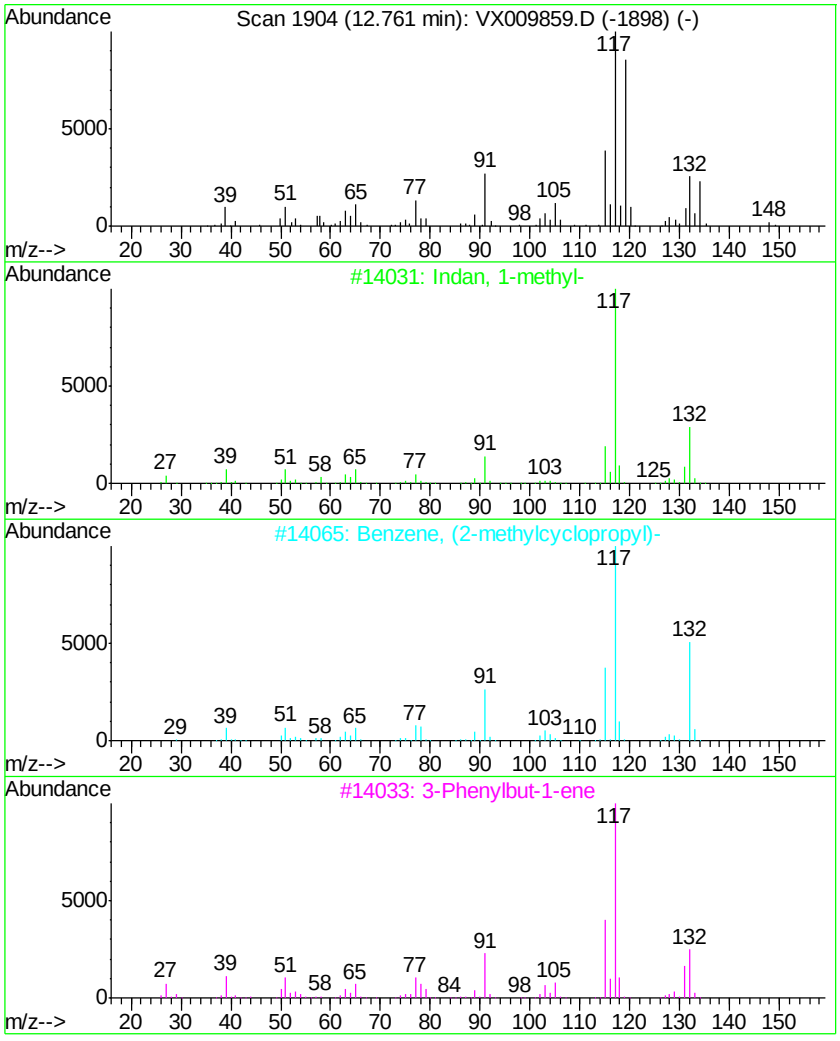
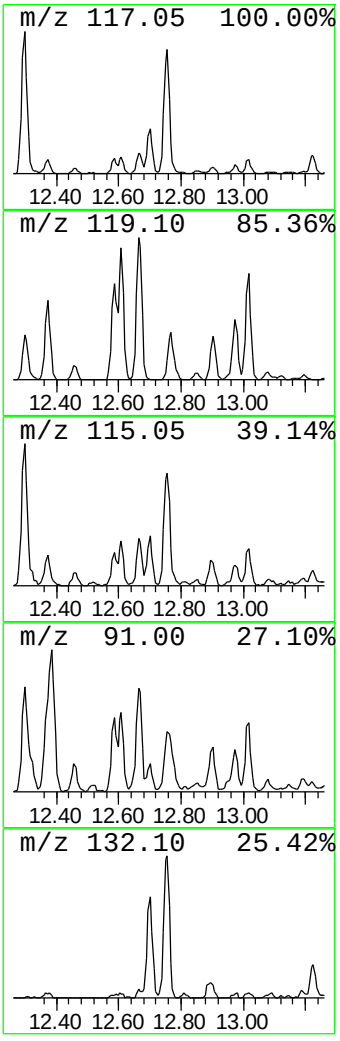
Peak Number 8 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	8.40 ug/l	118621	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	81
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	72
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	72
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

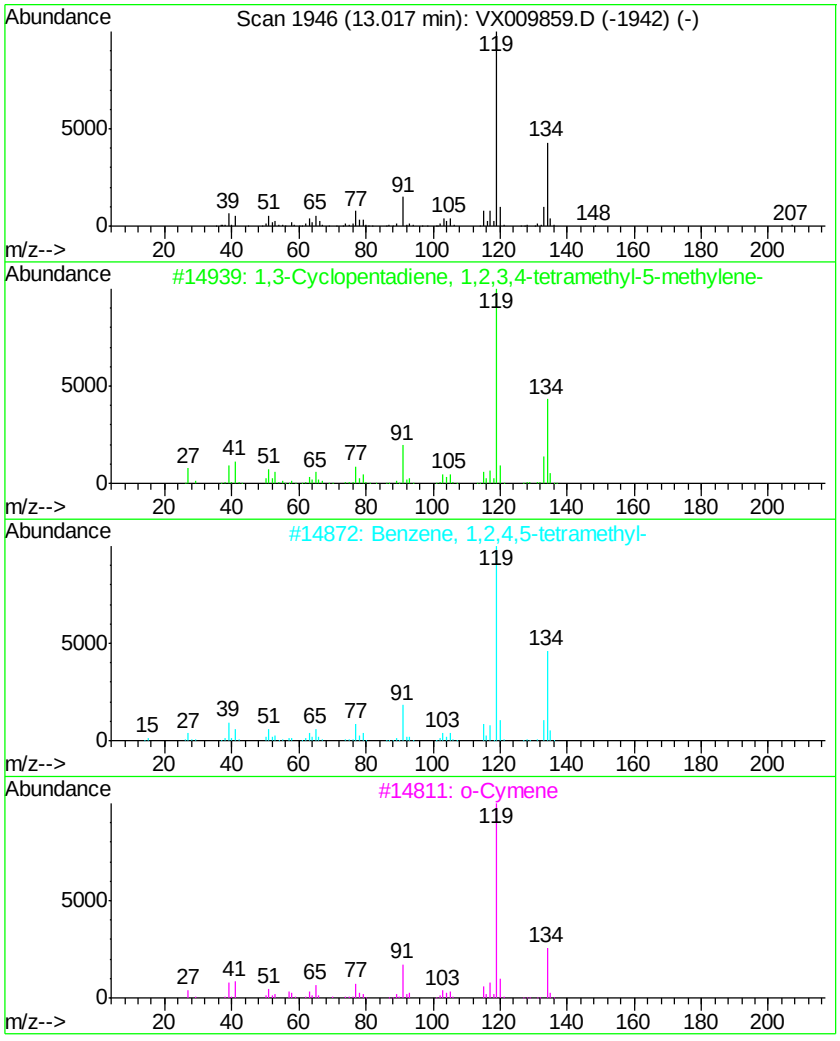
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

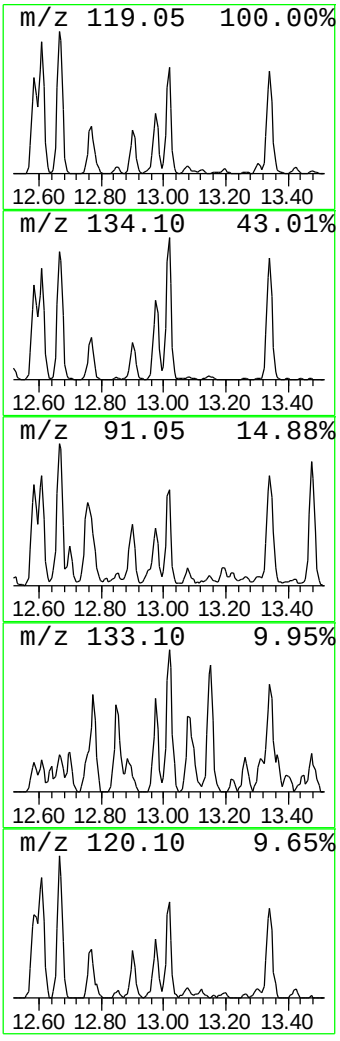
****

Peak Number 9 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	6.60 ug/l	93123	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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

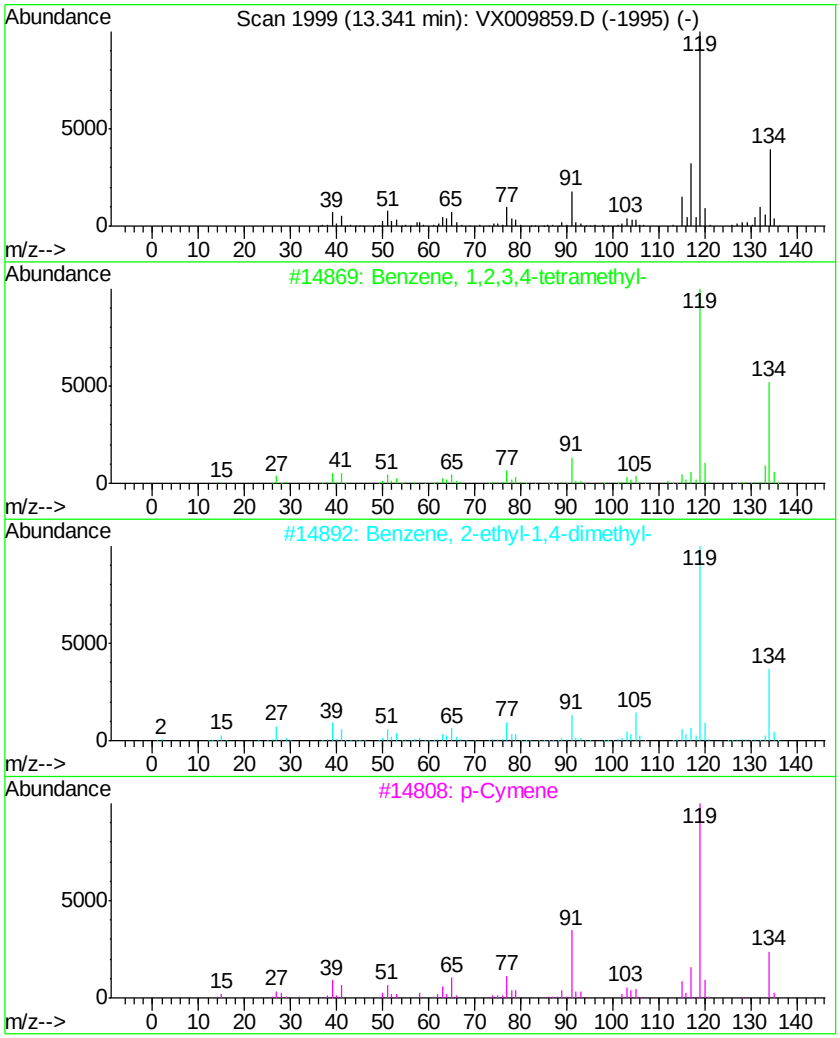
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

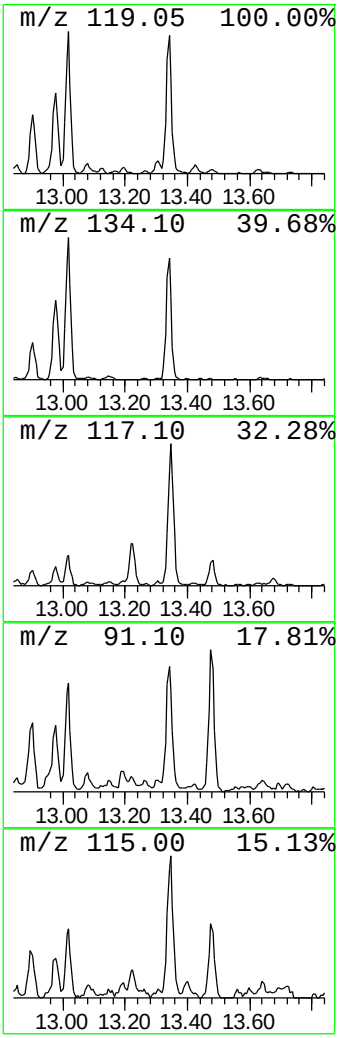
****

Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	9.10 ug/l	128415	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	81
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
3	p-Cymene	134	C10H14	000099-87-6	81
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009859.D
Acq On : 23 May 2019 15:31
Operator : JC/SP
Sample : K2977-15 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-FD-02

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	17.8	ug/l	251806	4	12.08	705716	50.0
Benzene, 1-ethyl-...	11.66	6.8	ug/l	96527	4	12.08	705716	50.0
Benzene, 1,2,3-tr...	12.14	36.1	ug/l	508913	4	12.08	705716	50.0
Benzene, 1-propenyl-	12.30	13.5	ug/l	190966	4	12.08	705716	50.0
Benzene, 2-ethyl-...	12.58	6.9	ug/l	97805	4	12.08	705716	50.0
Benzene, 1-methyl...	12.61	5.8	ug/l	81560	4	12.08	705716	50.0
o-Cymene	12.66	8.0	ug/l	112909	4	12.08	705716	50.0
Indan, 1-methyl-	12.76	8.4	ug/l	118621	4	12.08	705716	50.0
1,3-Cyclopentadie...	13.02	6.6	ug/l	93123	4	12.08	705716	50.0
Benzene, 1,2,3,4-...	13.34	9.1	ug/l	128415	4	12.08	705716	50.0