LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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	1.623	67	77	82	rVB9	7863	20350	1.60%	0.240%
2	4.696	572	581	589	rBV3	4614	13781	1.08%	0.163%
3	5.501	702	713	726	rBV	98892	283072	22.24%	3.345%
4	5.659	728	739	755	rVV	177023	502236	39.45%	5.935%
5	6.062	794	805	819	rBV	125674	330163	25.94%	3.902%
6	6.860	926	936	949	rBV	286876	674373	52.97%	7.970%
7	8.714	1233	1240	1254	rBV	616872	950788	74.69%	11.237%
8	10.110	1463	1469	1478	rBV	573339	761135	59.79%	8.995%
9	10.372	1508	1512	1516	rVB4	8612	14094	1.11%	0.167%
10	10.640	1545	1556	1564	rBV7	15253	40551	3.19%	0.479%
11	10.835	1580	1588	1593	rVB2	25755	41792	3.28%	0.494%
12	10.908	1593	1600	1604	rBV3	25430	40796	3.20%	0.482%
13	11.018	1612	1618	1623	rBV	137761	180135	14.15%	2.129%
14	11.134	1632	1637	1642	rBV	461762	571811	44.92%	6.758%
15	11.183	1642	1645	1648	rVB	11684	14081	1.11%	0.166%
16	11.274	1656	1660	1668	rVB4	20563	31295	2.46%	0.370%
17	11.359	1670	1674	1677	rBV	23283	30742	2.41%	0.363%
18	11.451	1683	1689	1692	rBV2	25331	37860	2.97%	0.447%
19	11.670	1720	1725	1732	rVB4	14195	25981	2.04%	0.307%
20	11.768	1737	1741	1743	rVV	32467	41541	3.26%	0.491%
21	11.804	1743	1747	1757	rVB	1059263	1273008	100.00%	15.045%
22	11.920	1757	1766	1767	rBV	32550	47148	3.70%	0.557%
23	11.945	1767	1770	1775	rVB	66778	81829	6.43%	0.967%
24	12.073	1786	1791	1797	rVB	492397	650260	51.08%	7.685%
25	12.140	1797	1802	1806	rBV	37899	47385	3.72%	0.560%
26	12.231	1812	1817	1822	rVB	34069	46469	3.65%	0.549%
27	12.298	1822	1828	1834	rBV	278659	355443	27.92%	4.201%
28	12.365	1834	1839	1846	rVB2	65675	101768	7.99%	1.203%
29	12.457	1848	1854	1861	rBV	41282	54137	4.25%	0.640%
30	12.585	1869	1875	1877	rBV	79661	111113	8.73%	1.313%
31	12.609	1877	1879	1883	rVV	79853	84961	6.67%	1.004%
32	12.664	1883	1888	1891	rVV	168971	201980	15.87%	2.387%
33	12.701	1891	1894	1898	rVV	53203	70027	5.50%	0.828%
34	12.756	1898	1903	1909	rVV2	126573	216479	17.01%	2.558%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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	12.810	1909	1912	1916	rVV3	15630	22562	1.77%	0.267%
36	12.896	1920	1926	1931	rVB2	21309	34257	2.69%	0.405%
37	12.975	1931	1939	1942	rBV	78737	110025	8.64%	1.300%
38	13.018	1942	1946	1951	rVB	99246	118736	9.33%	1.403%
39	13.079	1951	1956	1963	rVB3	14435	23577	1.85%	0.279%
40	13.146	1963	1967	1971	rBV	10550	14590	1.15%	0.172%
41	13.188	1971	1974	1977	rBV2	11514	13876	1.09%	0.164%
42	13.225	1977	1980	1984	rVV	15583	19186	1.51%	0.227%
43	13.304	1988	1993	1996	rBV3	8935	13199	1.04%	0.156%
44	13.347	1996	2000	2005	rVB2	31577	50466	3.96%	0.596%
45	13.475	2018	2021	2027	rVB3	9157	12741	1.00%	0.151%
46	13.597	2037	2041	2045	rBV2	12282	17657	1.39%	0.209%
47	13.640	2045	2048	2052	rVV3	8092	14025	1.10%	0.166%
48	13.719	2053	2061	2069	rVB5	14236	33004	2.59%	0.390%
49	13.835	2075	2080	2086	rVB	8456	15111	1.19%	0.179%

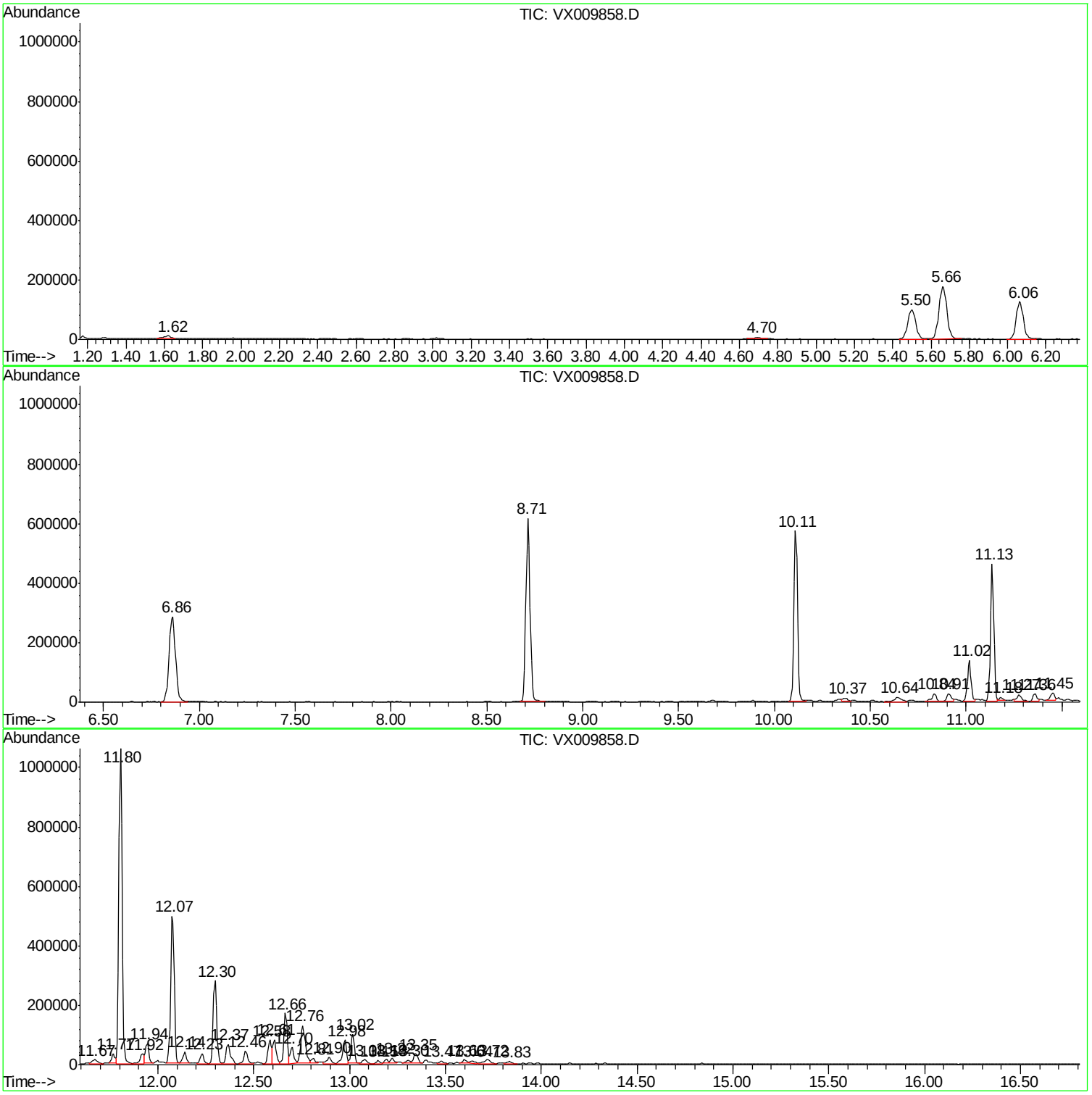
Sum of corrected areas: 8461596

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E1-6

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 : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

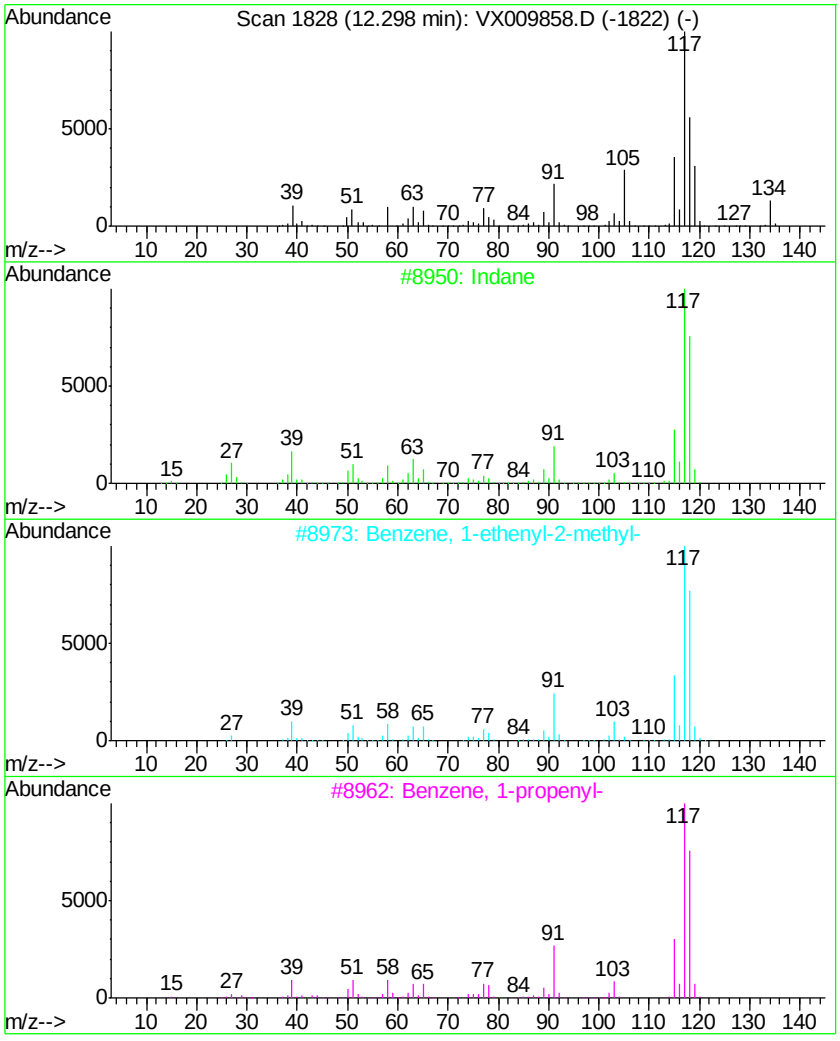
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

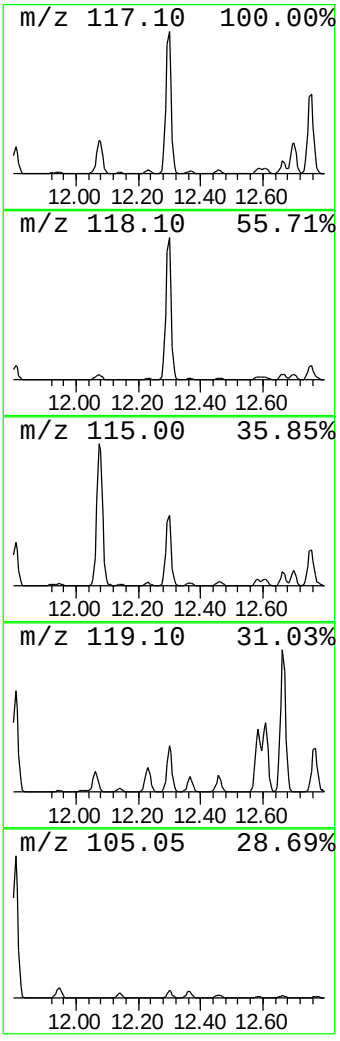
****

Peak Number 1 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	27.33 ug/l	355443	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	92
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

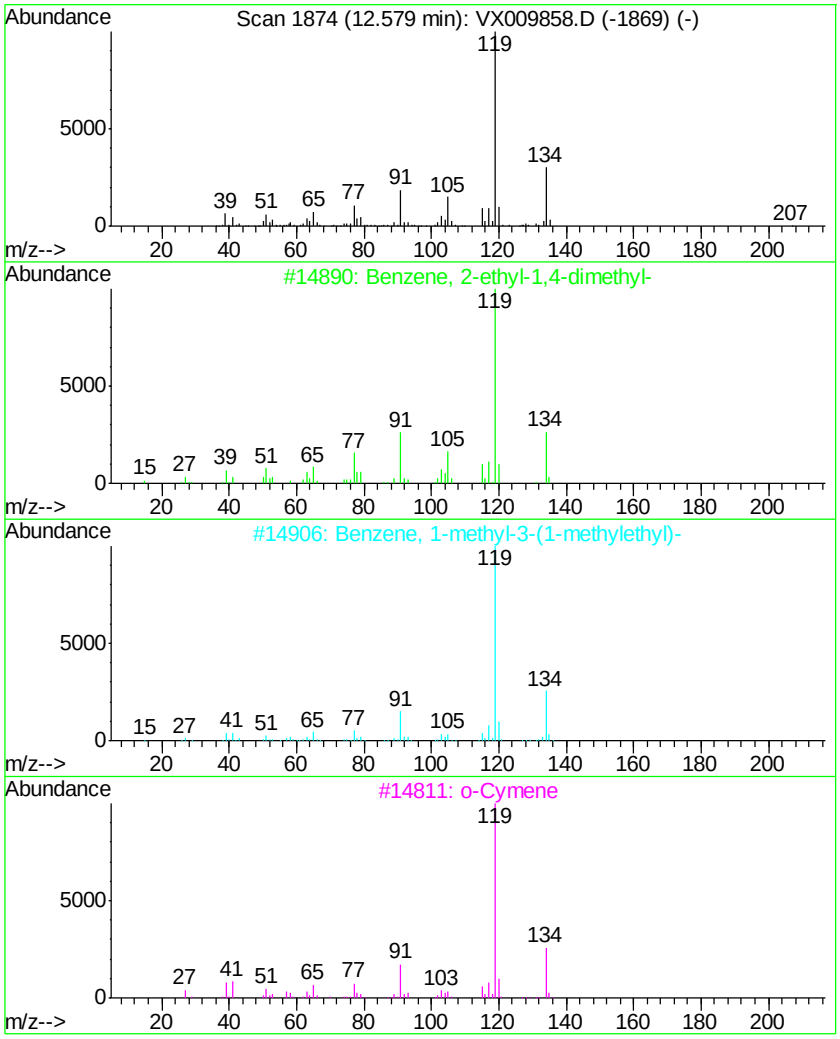
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

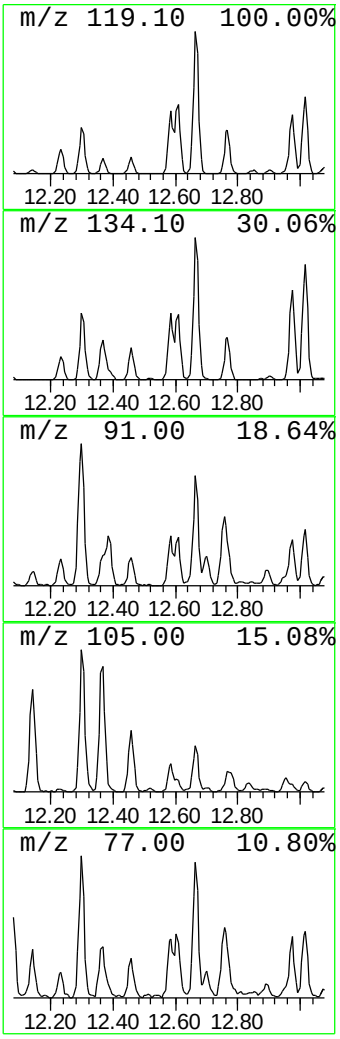
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	8.54 ug/l	111113	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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

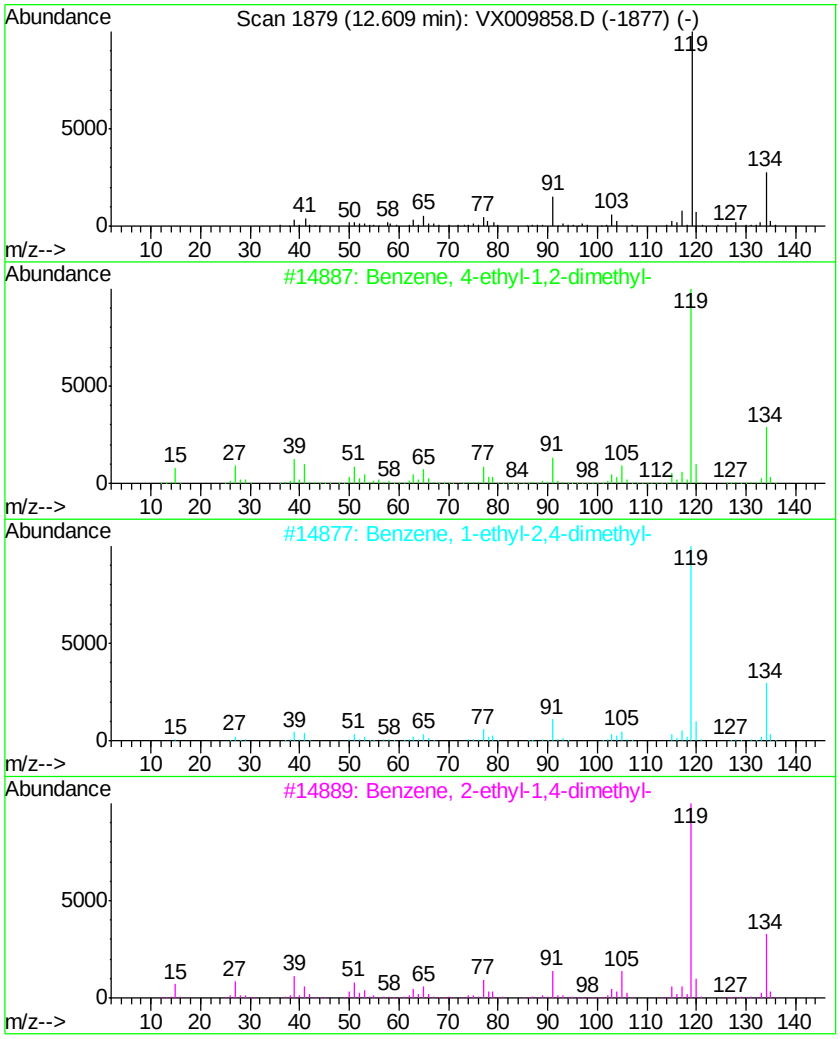
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

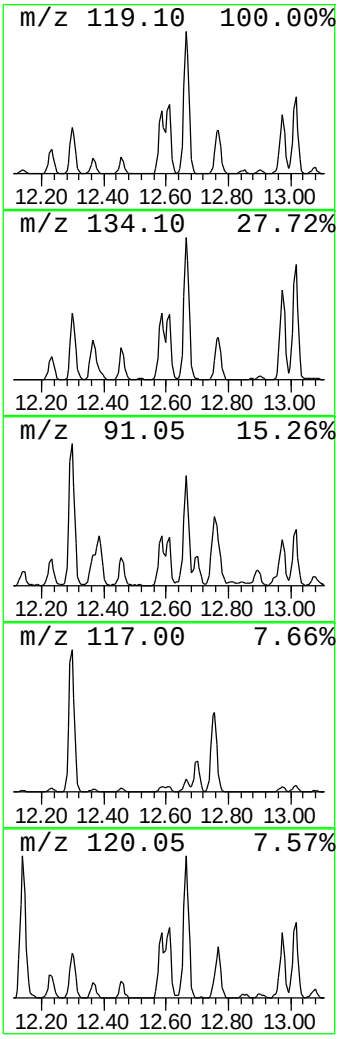
****

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	6.53 ug/l	84961	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	91
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
5	o-Cymene	134	C10H14	000527-84-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

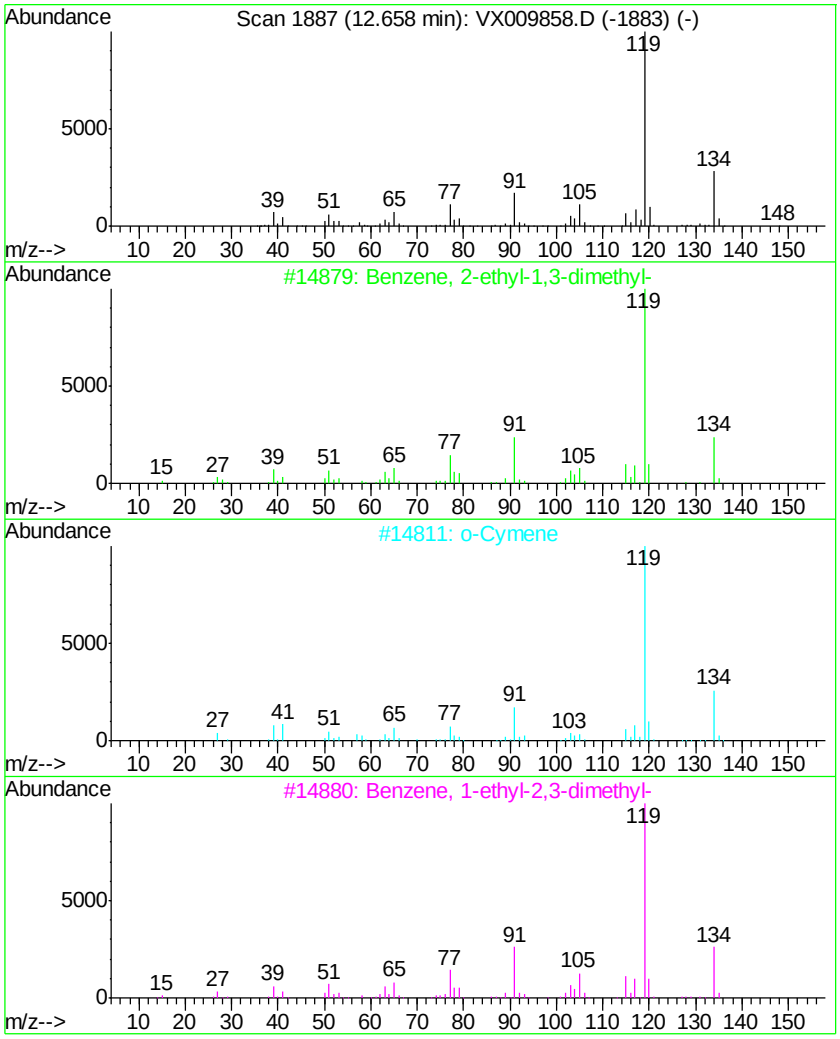
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

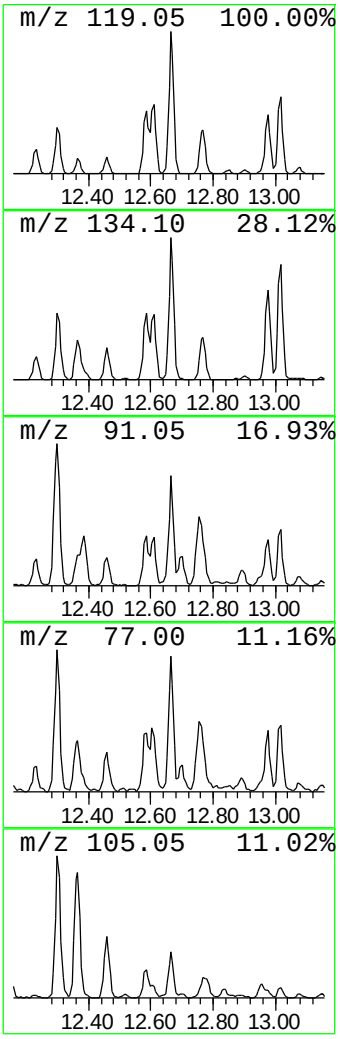
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	15.53 ug/l	201980	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	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, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

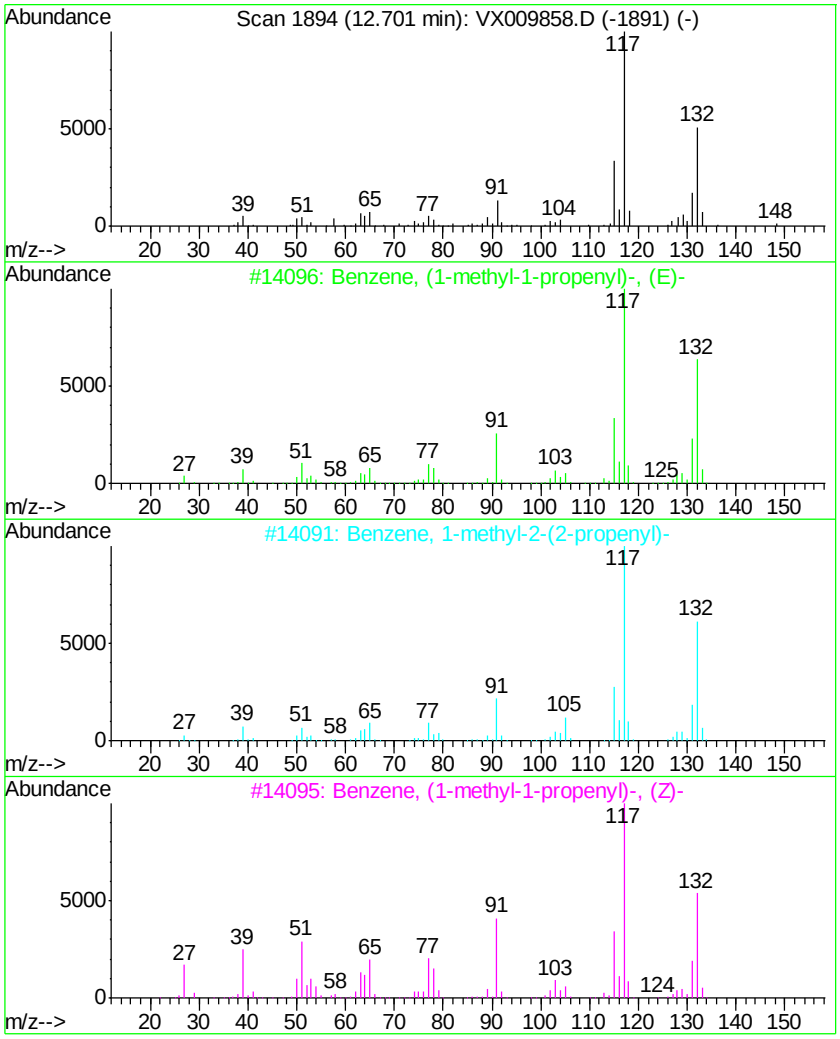
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

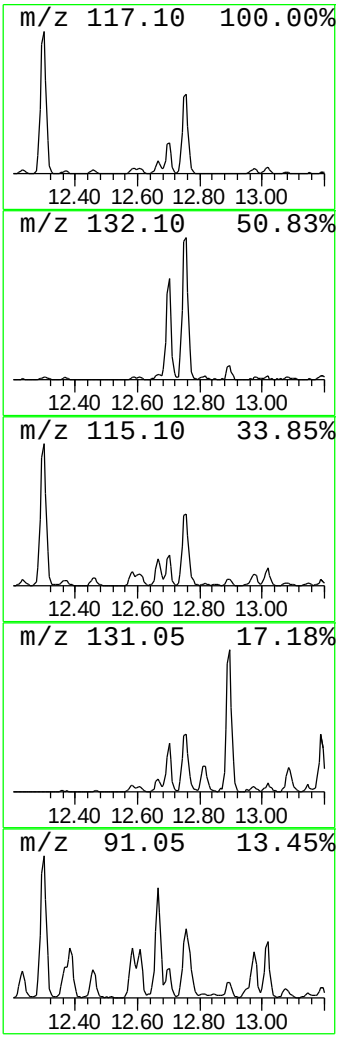
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	5.38 ug/l	70027	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

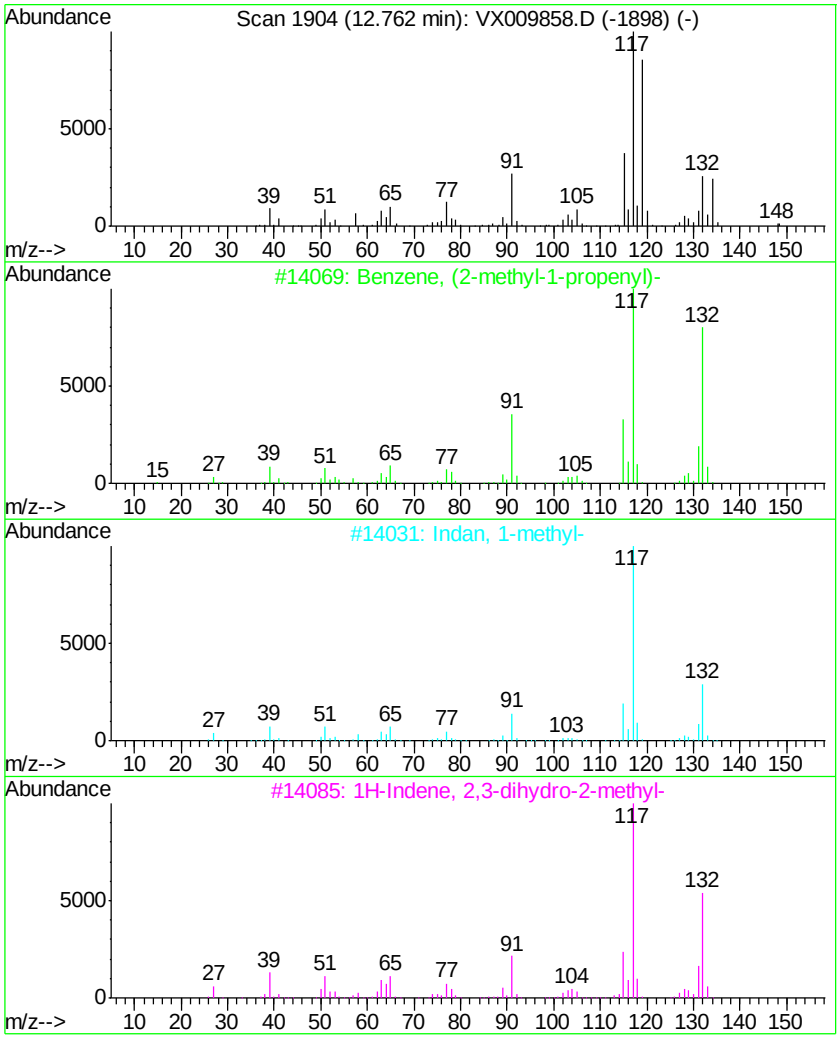
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

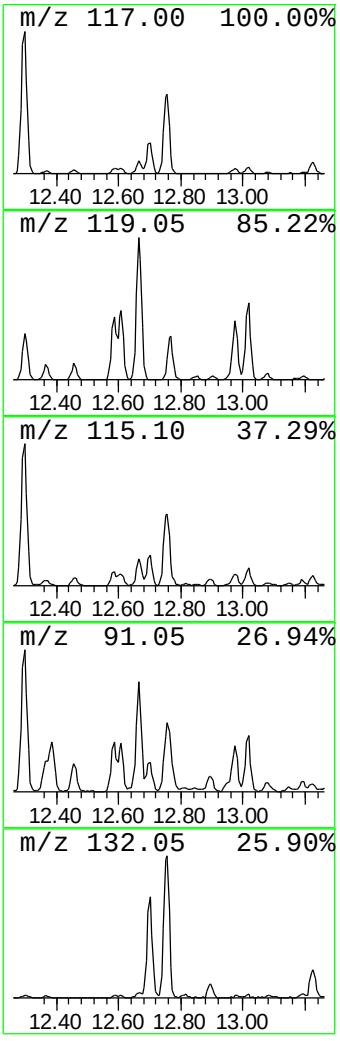
****

Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	16.65 ug/l	216479	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	83
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	80
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	74
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

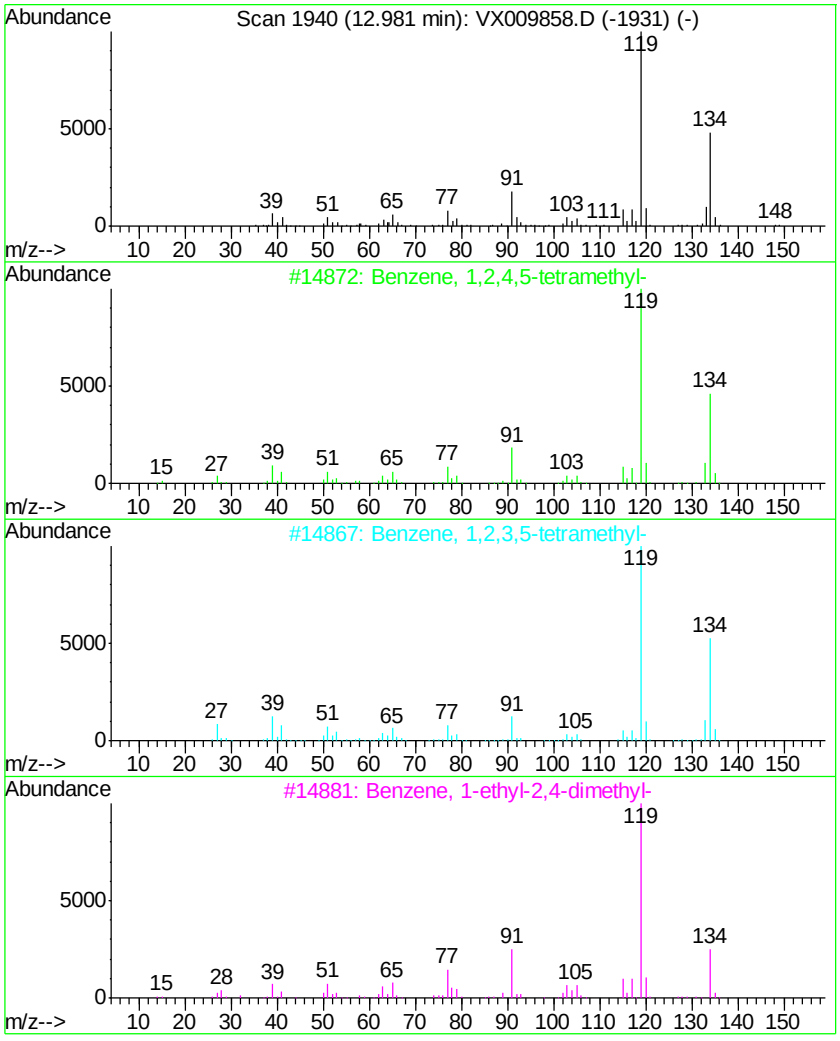
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

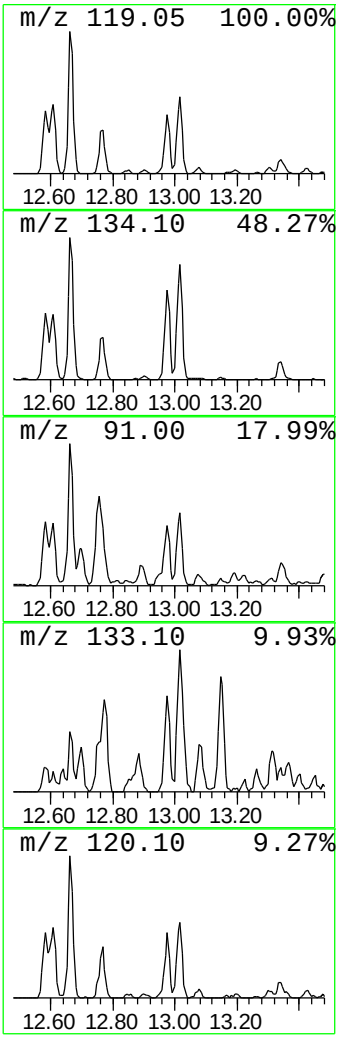
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	8.46 ug/l	110025	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
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	93
5	p-Cymene	134	C10H14	000099-87-6	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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

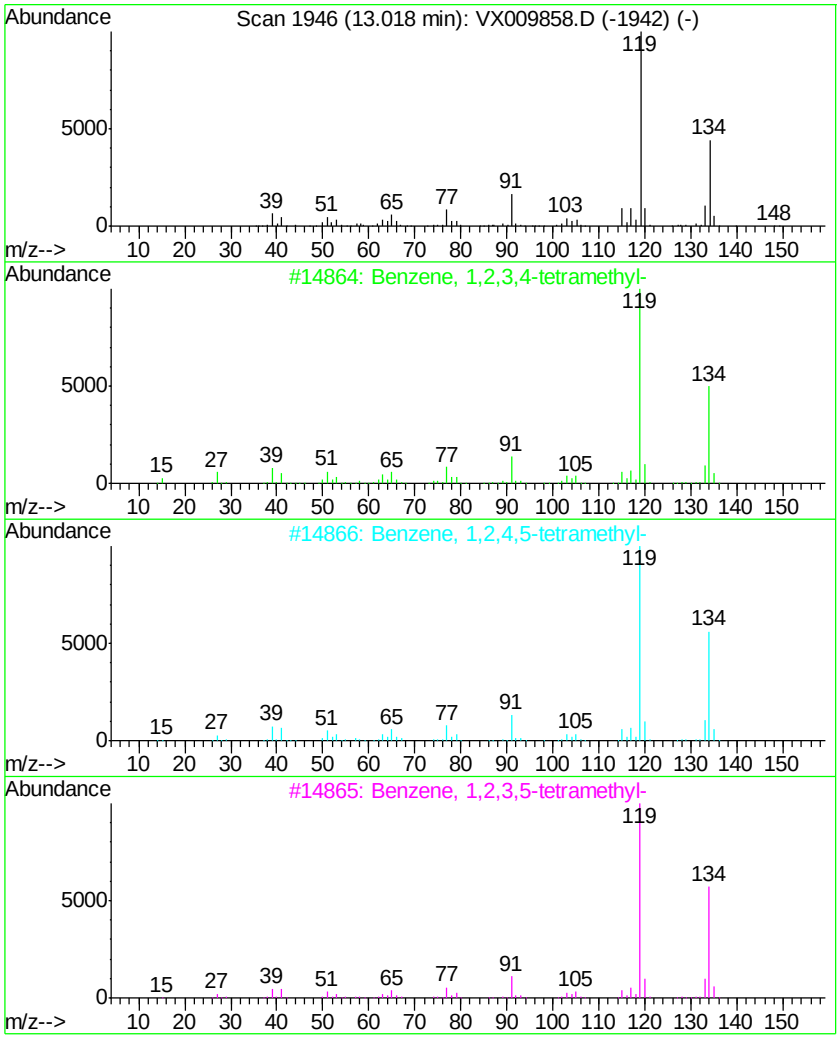
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

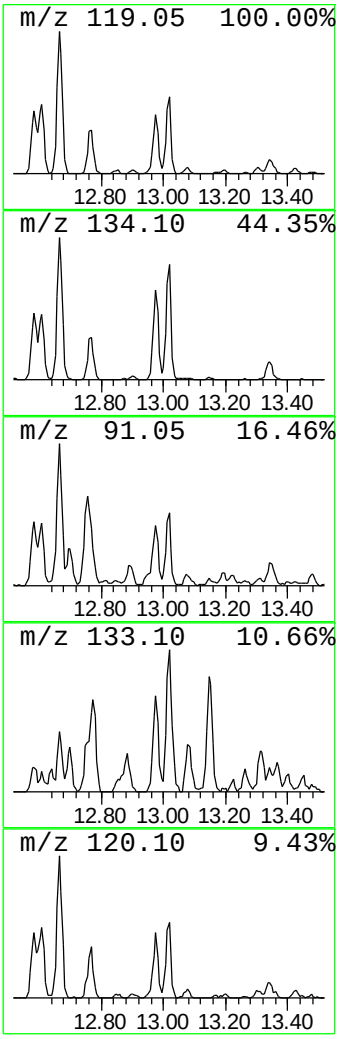
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	9.13 ug/l	118736	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	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009858.D
Acq On : 23 May 2019 15:07
Operator : JC/SP
Sample : K2977-11 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-E1-6

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
Indane	12.30	27.3	ug/l	355443	4	12.08	650260	50.0
Benzene, 2-ethyl-...	12.58	8.5	ug/l	111113	4	12.08	650260	50.0
Benzene, 4-ethyl-...	12.61	6.5	ug/l	84961	4	12.08	650260	50.0
Benzene, 2-ethyl-...	12.66	15.5	ug/l	201980	4	12.08	650260	50.0
Benzene, (1-methy...	12.70	5.4	ug/l	70027	4	12.08	650260	50.0
Benzene, (2-methy...	12.76	16.6	ug/l	216479	4	12.08	650260	50.0
Benzene, 1,2,4,5-...	12.98	8.5	ug/l	110025	4	12.08	650260	50.0
Benzene, 1,2,3,4-...	13.02	9.1	ug/l	118736	4	12.08	650260	50.0