LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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	2.440	205	211	225	rBV	88653	163582	2.02%	0.382%
2	2.568	225	232	247	rVB	56624	108870	1.35%	0.255%
3	5.501	701	713	727	rBV	100057	289482	3.58%	0.677%
4	5.659	728	739	754	rVV	177257	503963	6.23%	1.178%
5	6.062	795	805	819	rBV	124912	327144	4.04%	0.765%
6	6.860	925	936	952	rBV	284157	676299	8.36%	1.581%
7	8.714	1234	1240	1249	rBV	611749	941244	11.63%	2.200%
8	10.110	1464	1469	1475	rBV	586833	777587	9.61%	1.818%
9	10.250	1486	1492	1497	rBV	79576	122264	1.51%	0.286%
10	10.640	1544	1556	1563	rBV3	90420	221396	2.74%	0.518%
11	10.835	1579	1588	1592	rBV2	159422	261688	3.23%	0.612%
12	10.914	1592	1601	1604	rBV3	92188	169097	2.09%	0.395%
13	11.018	1612	1618	1622	rBV	531533	702338	8.68%	1.642%
14	11.134	1632	1637	1642	rBV	514293	638413	7.89%	1.492%
15	11.183	1642	1645	1649	rVB	81543	90651	1.12%	0.212%
16	11.274	1652	1660	1668	rVB2	177892	277148	3.43%	0.648%
17	11.359	1668	1674	1678	rBV	940797	1188656	14.69%	2.779%
18	11.439	1683	1687	1691	rVV4	69525	129847	1.60%	0.304%
19	11.506	1691	1698	1706	rVB	761602	1096851	13.56%	2.564%
20	11.670	1720	1725	1732	rVB4	151144	270097	3.34%	0.631%
21	11.768	1737	1741	1743	rVV	318838	399660	4.94%	0.934%
22	11.804	1743	1747	1753	rVV	6637996	8090297	100.00%	18.913%
23	11.914	1757	1765	1767	rBV2	182237	286074	3.54%	0.669%
24	11.945	1767	1770	1775	rVV	492617	610781	7.55%	1.428%
25	12.024	1775	1783	1787	rVV	1344922	1659591	20.51%	3.880%
26	12.073	1787	1791	1797	rVV2	624938	894498	11.06%	2.091%
27	12.140	1797	1802	1811	rVV	520969	694002	8.58%	1.622%
28	12.231	1812	1817	1823	rVB	309446	412708	5.10%	0.965%
29	12.298	1823	1828	1830	rBV	1625119	2110926	26.09%	4.935%
30	12.323	1830	1832	1835	rVV	1420604	1448379	17.90%	3.386%
31	12.365	1835	1839	1847	rVB2	1175966	1740659	21.52%	4.069%
32	12.457	1847	1854	1861	rBV	506663	649357	8.03%	1.518%
33	12.585	1869	1875	1877	rBV	1149890	1550074	19.16%	3.624%
34	12.609	1877	1879	1883	rVV	1447516	1492092	18.44%	3.488%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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	12.664	1884	1888	1891	rVV	1453178	1754370	21.68%	4.101%
36	12.701	1891	1894	1898	rVV	491255	630608	7.79%	1.474%
37	12.755	1898	1903	1911	rVV4	959918	2062649	25.50%	4.822%
38	12.847	1915	1918	1921	rVV2	222374	301112	3.72%	0.704%
39	12.896	1922	1926	1931	rVV2	528713	774948	9.58%	1.812%
40	12.975	1931	1939	1942	rVV	656505	930831	11.51%	2.176%
41	13.018	1942	1946	1952	rVB	1543338	1826313	22.57%	4.269%
42	13.079	1952	1956	1962	rBV2	201715	341456	4.22%	0.798%
43	13.146	1965	1967	1971	rVV	117909	147531	1.82%	0.345%
44	13.194	1971	1975	1977	rVV3	170082	245900	3.04%	0.575%
45	13.219	1977	1979	1983	rVV2	187745	244752	3.03%	0.572%
46	13.262	1983	1986	1989	rVV2	72800	95197	1.18%	0.223%
47	13.304	1989	1993	1996	rVV2	143440	204294	2.53%	0.478%
48	13.347	1996	2000	2006	rVB2	841673	1188956	14.70%	2.779%
49	13.475	2017	2021	2028	rVB	344709	458433	5.67%	1.072%
50	13.597	2038	2041	2044	rBV	72468	97389	1.20%	0.228%
51	13.639	2044	2048	2053	rVB3	112185	193663	2.39%	0.453%
52	13.719	2058	2061	2072	rVB2	110619	192594	2.38%	0.450%
53	14.158	2123	2133	2142	rBV9	22867	89463	1.11%	0.209%

Sum of corrected areas: 42776174

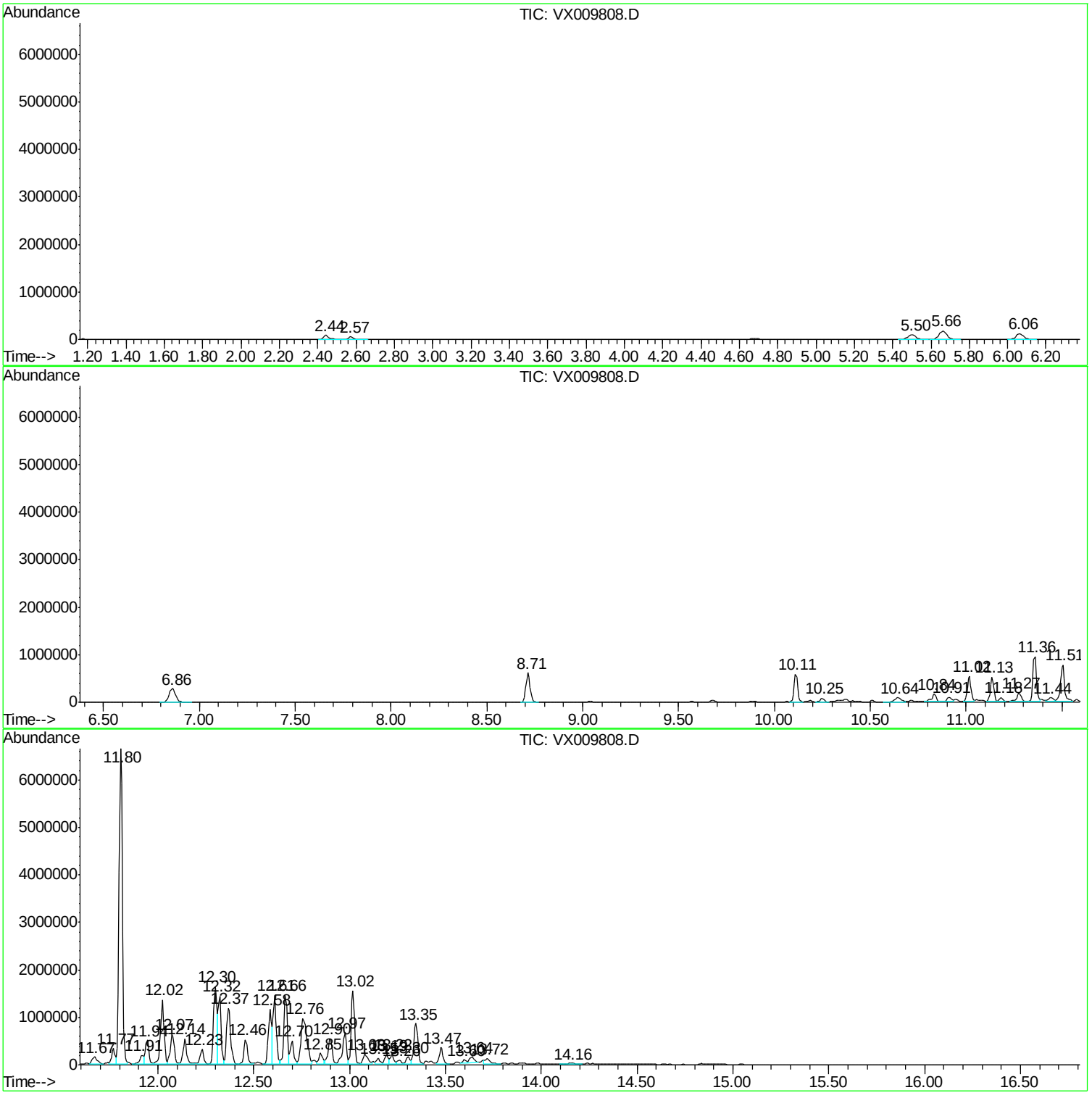
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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 : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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

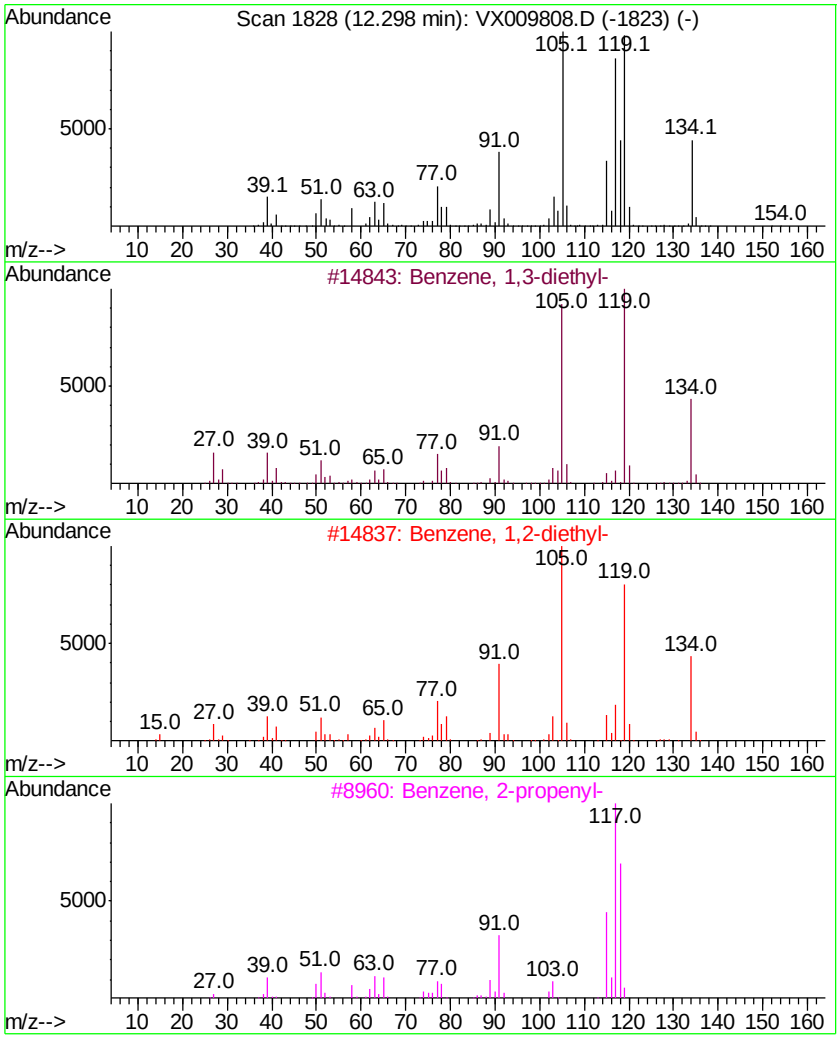
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

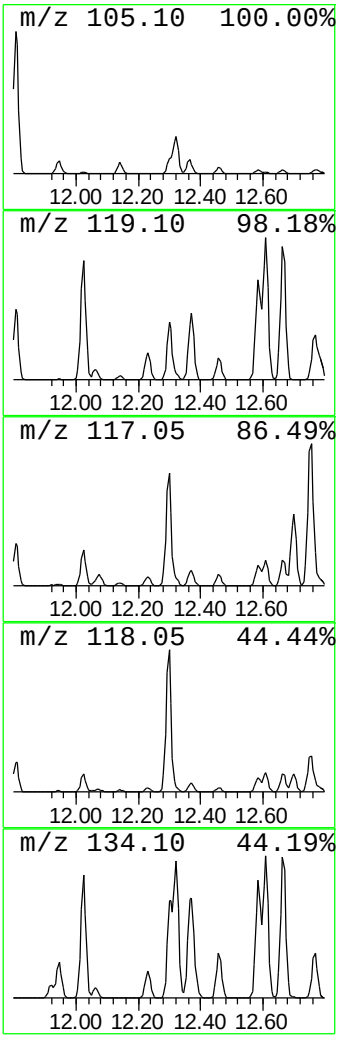
****

Peak Number 1 Benzene, 1,3-diethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	118.00 ug/l	2110930	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	80
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
5	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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

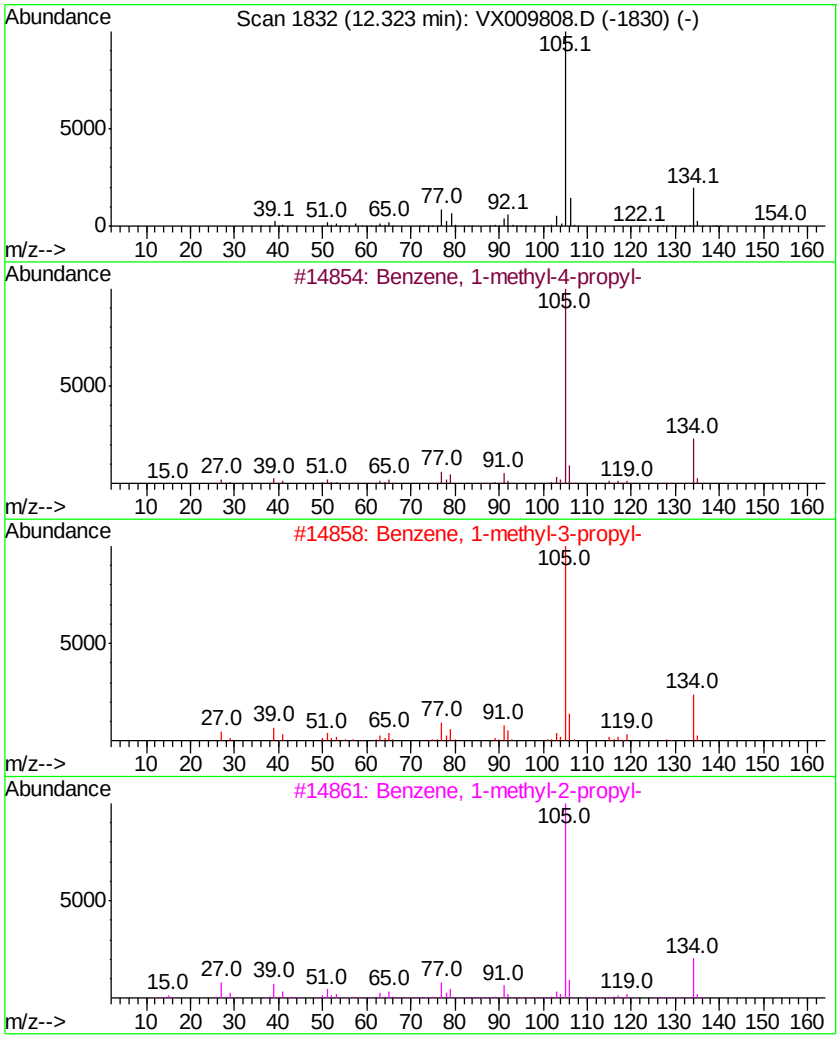
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

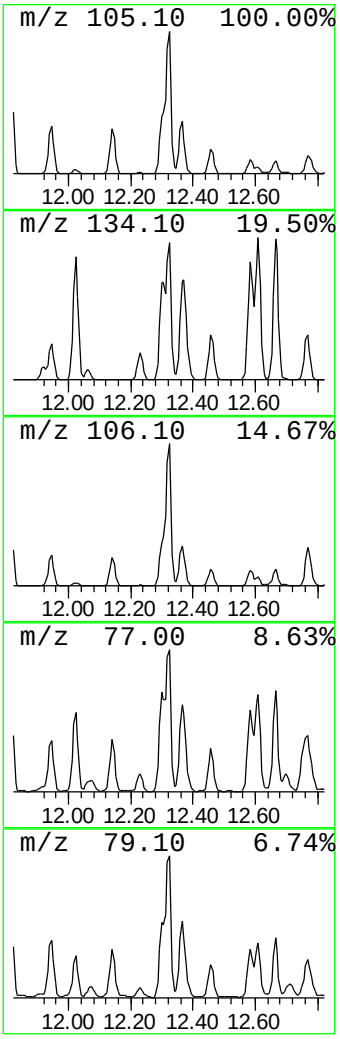
****

Peak Number 2 Benzene, 1-methyl-4-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	80.96 ug/l	1448380	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	78
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
4	2-Indanol	134	C9H10O	004254-29-9	72
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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

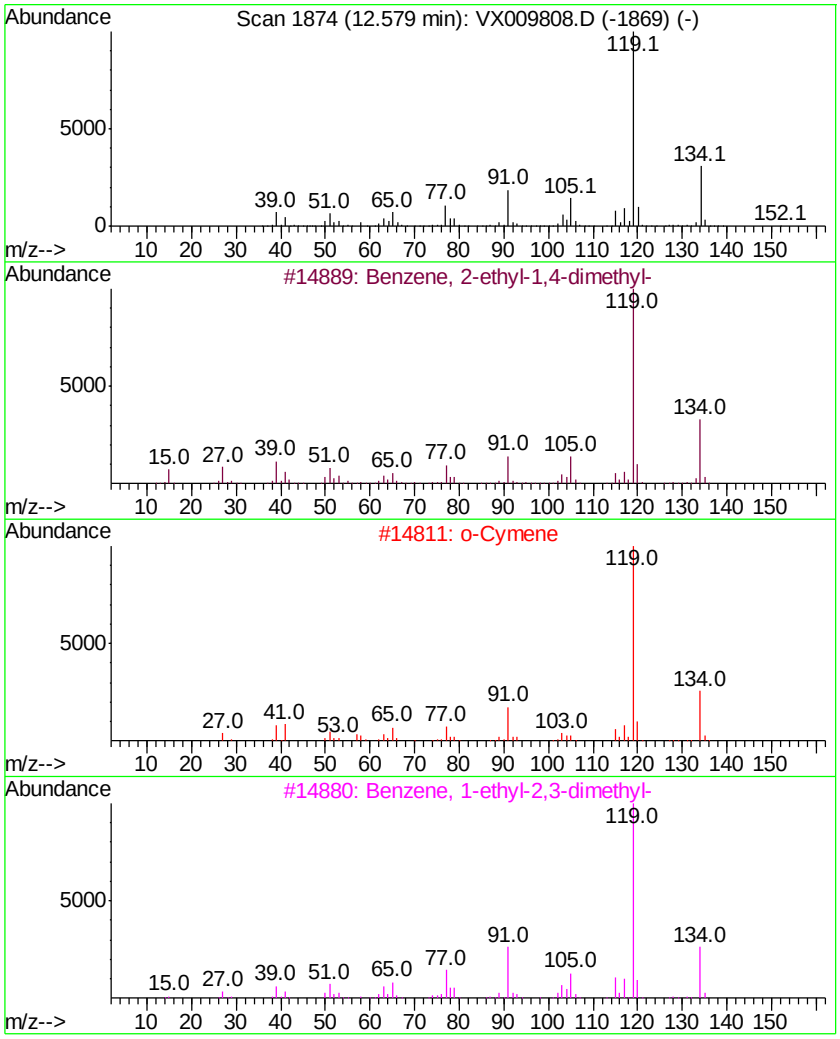
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

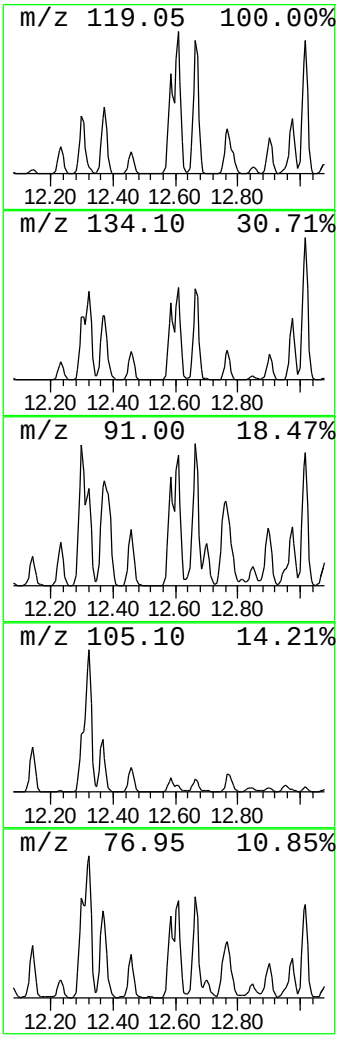
****

Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	86.64 ug/l	1550070	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	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, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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

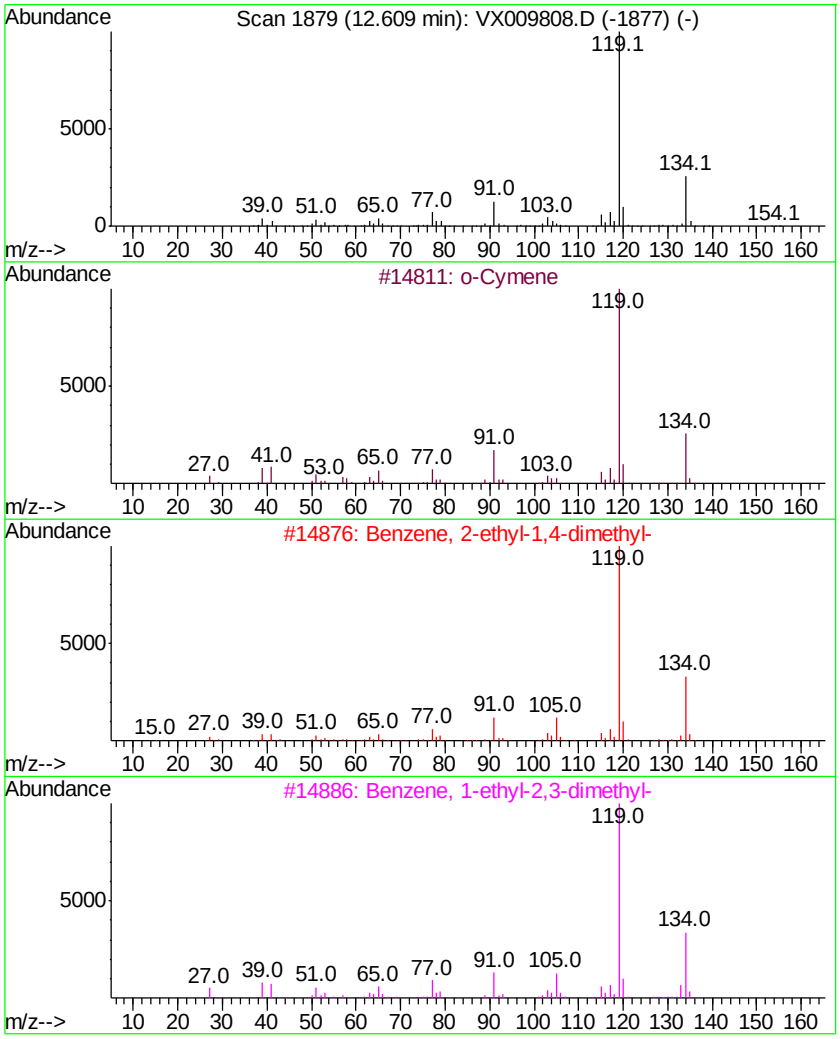
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

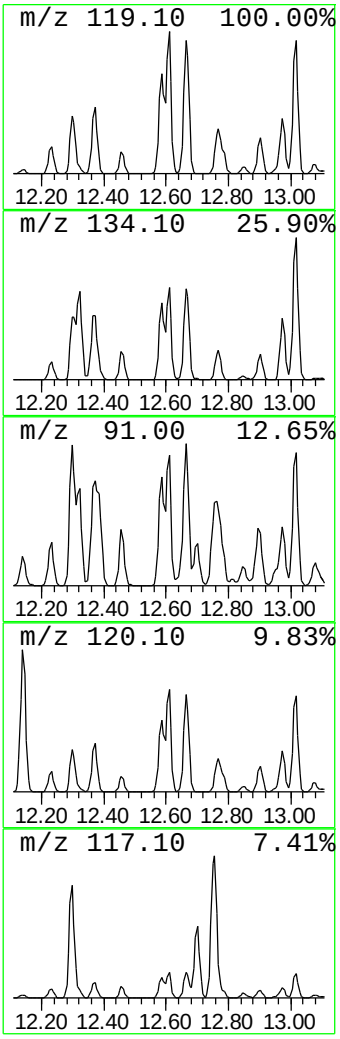
****

Peak Number 4 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	83.40 ug/l	1492090	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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

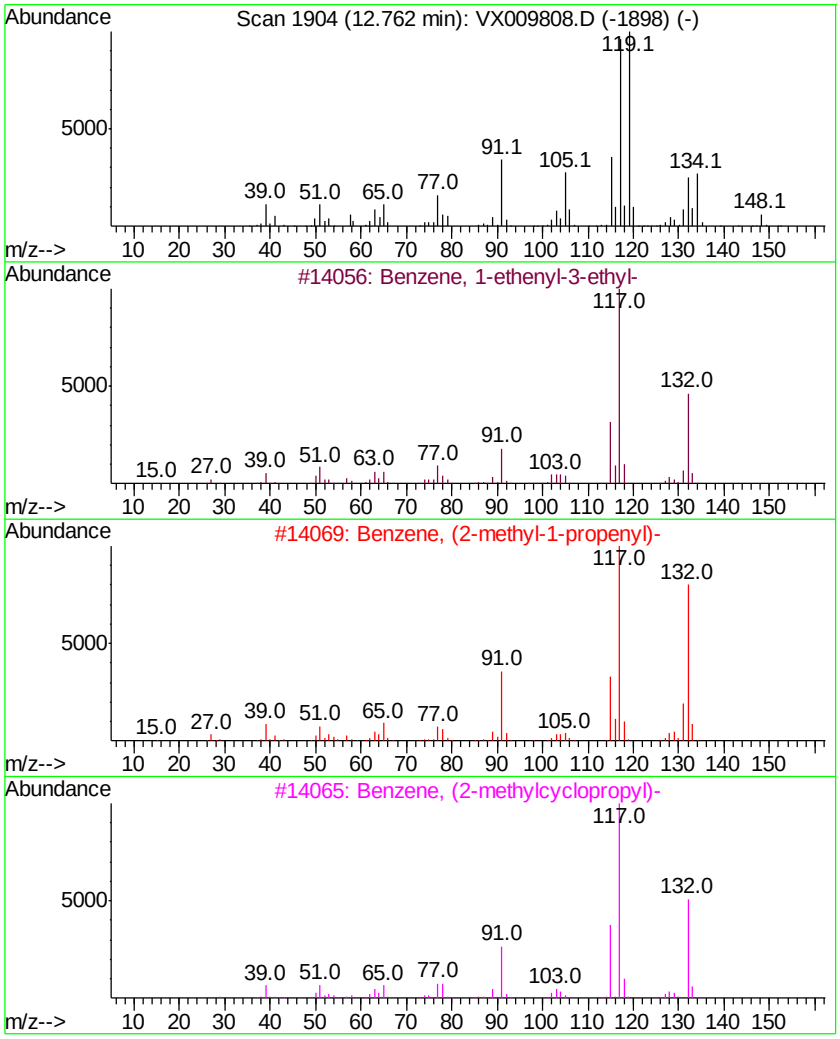
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

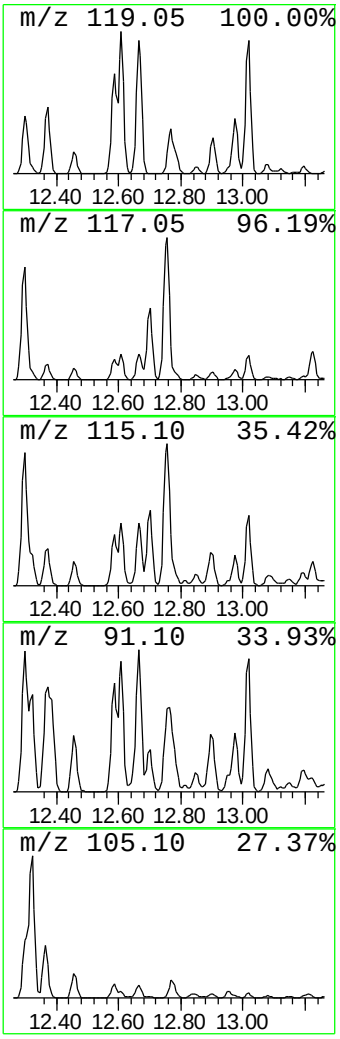
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	115.30 ug/l	2062650	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
4	Indan, 1-methyl-	132	C10H12	000767-58-8	76
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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

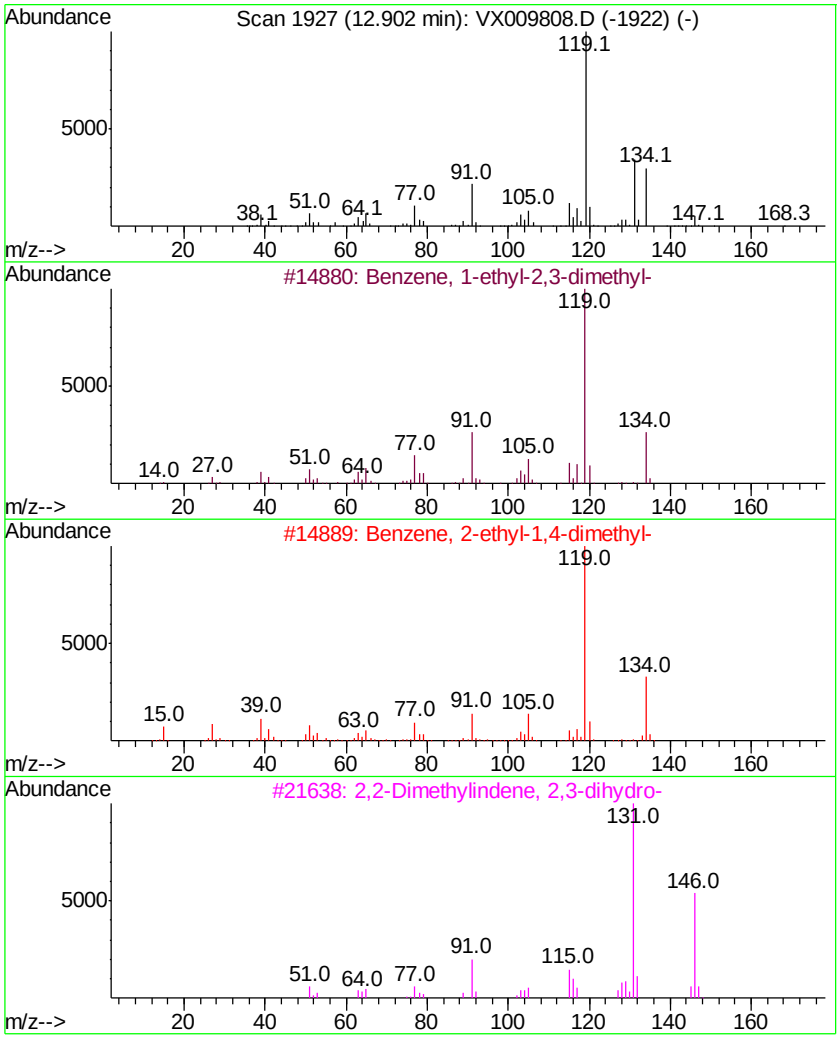
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

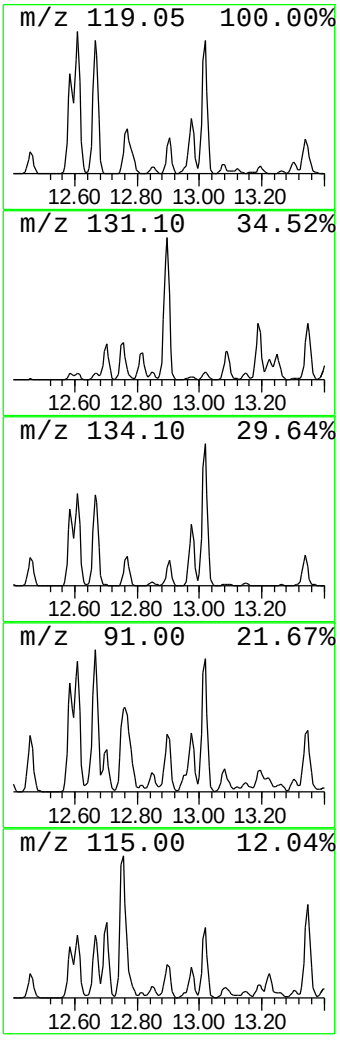
****

Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	43.32 ug/l	774948	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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

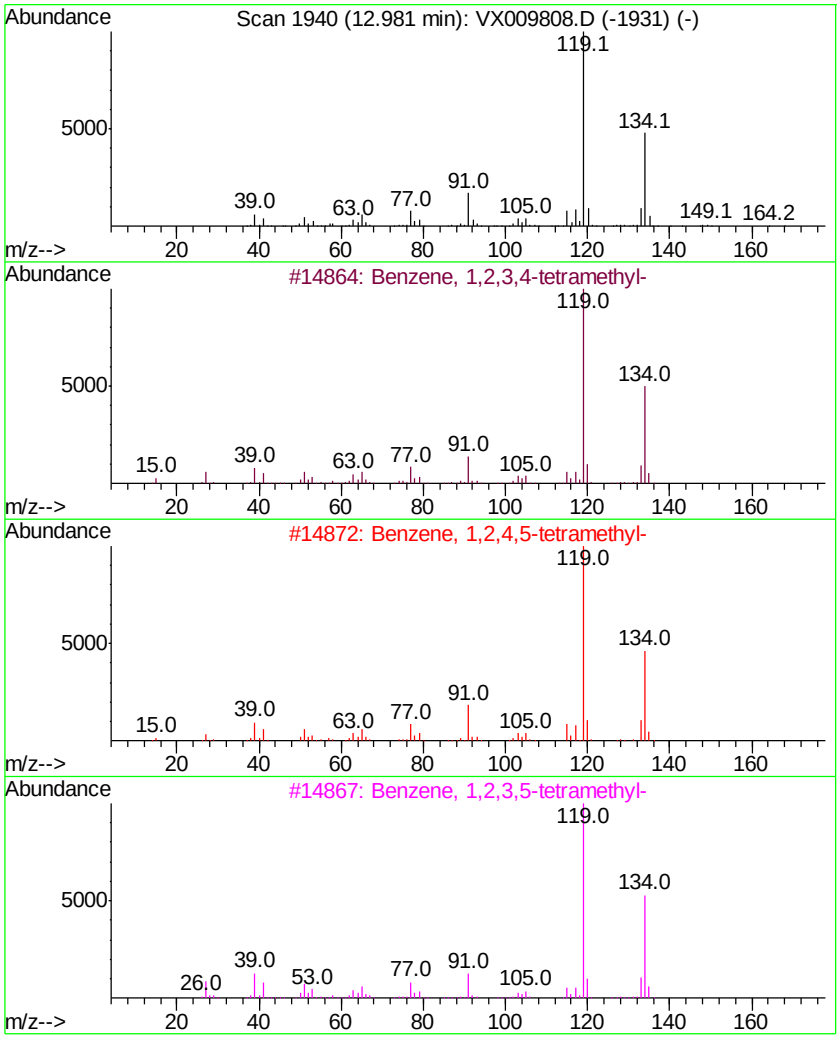
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

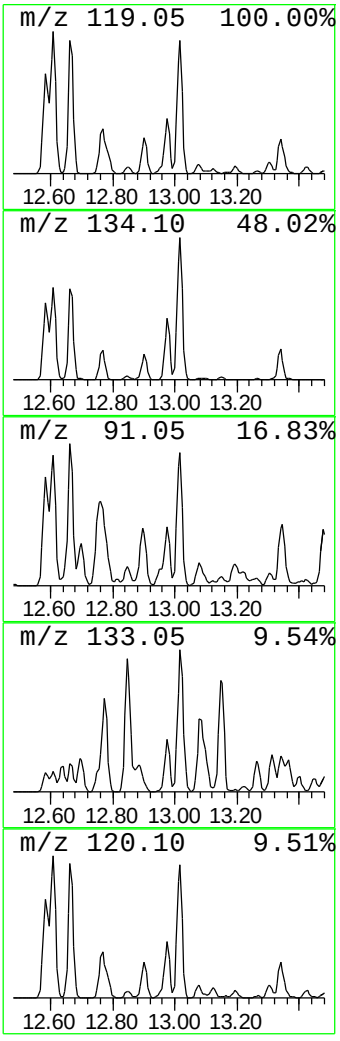
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	52.03 ug/l	930831	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	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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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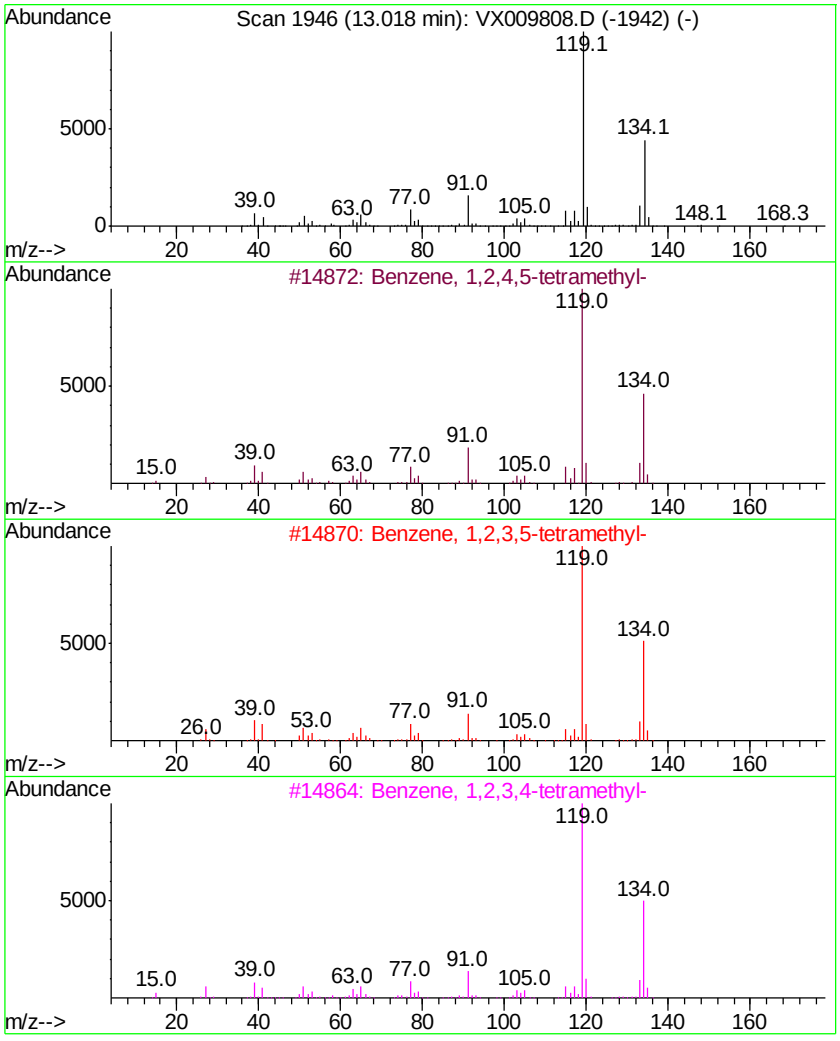
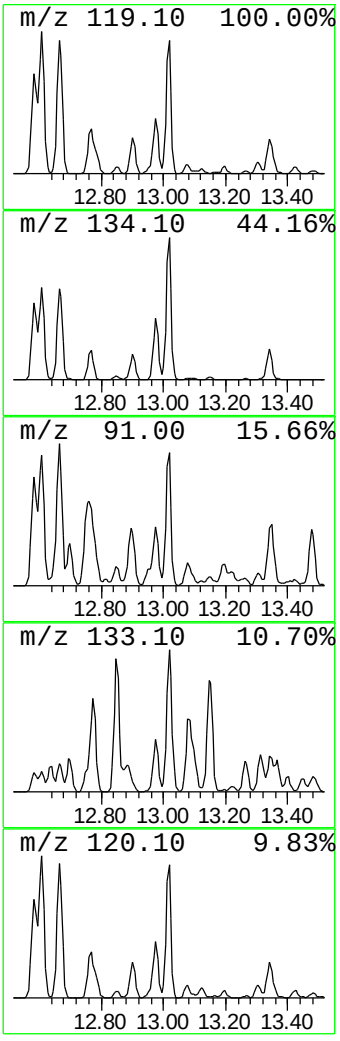
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	102.09 ug/l	1826310	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	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	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	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

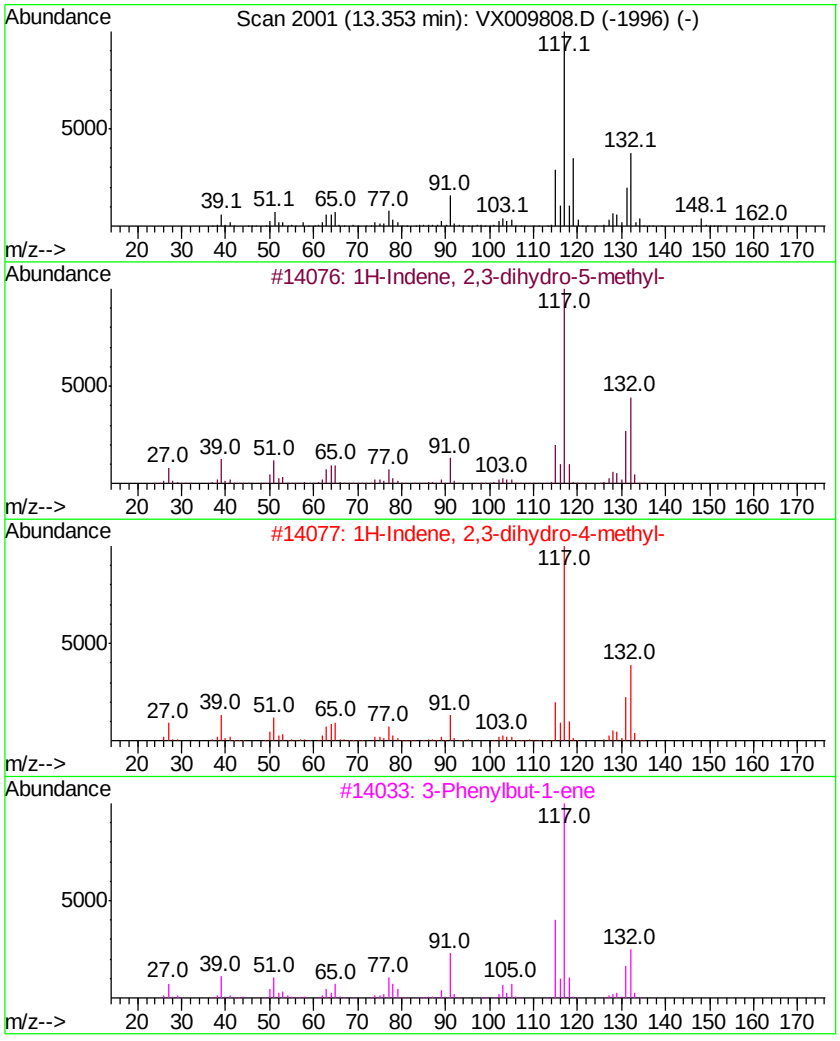
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

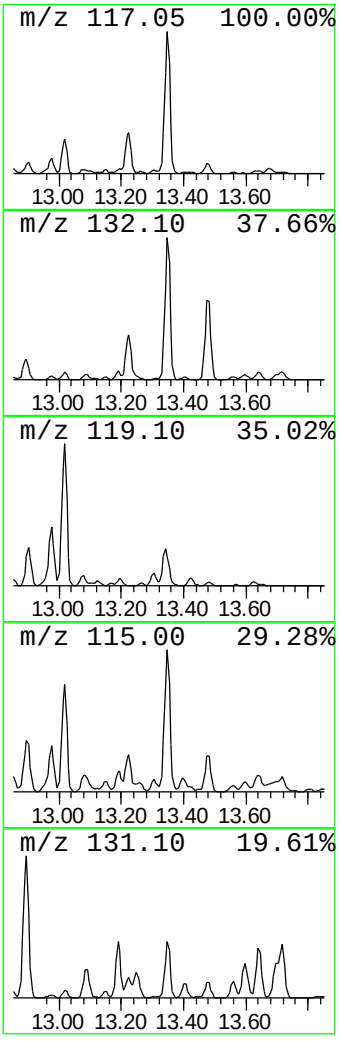
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	66.46 ug/l	1188960	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	92
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052219\
Data File : VX009808.D
Acq On : 22 May 2019 16:44
Operator : JC/SP
Sample : K2977-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EP1-PZ-W4-5

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, 1,3-diet...	12.30	118.0	ug/l	2110930	4	12.08	894498	50.0
Benzene, 1-methyl...	12.32	81.0	ug/l	1448380	4	12.08	894498	50.0
Benzene, 2-ethyl-...	12.58	86.6	ug/l	1550070	4	12.08	894498	50.0
o-Cymene	12.61	83.4	ug/l	1492090	4	12.08	894498	50.0
Benzene, 1-etheny...	12.76	115.3	ug/l	2062650	4	12.08	894498	50.0
Benzene, 1-ethyl-...	12.90	43.3	ug/l	774948	4	12.08	894498	50.0
Benzene, 1,2,3,4-...	12.98	52.0	ug/l	930831	4	12.08	894498	50.0
Benzene, 1,2,4,5-...	13.02	102.1	ug/l	1826310	4	12.08	894498	50.0
1H-Indene, 2,3-di...	13.35	66.5	ug/l	1188960	4	12.08	894498	50.0