LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

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\82X032519W.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	1.276	16	20	27	rBV	46792	68921	2.06%	0.216%
2	4.592	550	564	578	rBV	336126	946753	28.27%	2.973%
3	5.495	702	712	725	rBV	134342	391144	11.68%	1.228%
4	5.659	729	739	763	rVB	238753	691940	20.66%	2.173%
5	6.062	795	805	814	rBV	170302	449901	13.44%	1.413%
6	6.860	925	936	948	rBV	385460	932559	27.85%	2.928%
7	8.714	1233	1240	1247	rBV	817373	1271307	37.97%	3.992%
8	8.781	1247	1251	1262	rVB	176294	282028	8.42%	0.886%
9	10.110	1459	1469	1486	rBV	756097	1065647	31.83%	3.346%
10	10.250	1486	1492	1503	rVV	693891	903672	26.99%	2.838%
11	10.354	1503	1509	1522	rVB	987573	1328245	39.67%	4.171%
12	10.695	1560	1565	1576	rVB	775609	1010798	30.19%	3.174%
13	11.018	1612	1618	1626	rBV	126219	164644	4.92%	0.517%
14	11.134	1632	1637	1644	rBV	603469	793193	23.69%	2.491%
15	11.359	1669	1674	1680	rBV	294266	359282	10.73%	1.128%
16	11.433	1680	1686	1693	rBV	453377	613347	18.32%	1.926%
17	11.506	1693	1698	1704	rVB	897135	1072448	32.03%	3.368%
18	11.664	1719	1724	1731	rBV	565009	713561	21.31%	2.241%
19	11.768	1736	1741	1743	rVV	100504	127984	3.82%	0.402%
20	11.804	1743	1747	1753	rVB	2842267	3348395	100.00%	10.514%
21	11.920	1761	1766	1767	rBV	38949	47919	1.43%	0.150%
22	11.945	1767	1770	1775	rVB	60619	78532	2.35%	0.247%
23	12.024	1777	1783	1786	rBV	53118	69669	2.08%	0.219%
24	12.079	1786	1792	1797	rVB	690746	917504	27.40%	2.881%
25	12.140	1797	1802	1808	rBV	2096604	2516148	75.14%	7.901%
26	12.231	1813	1817	1821	rVB	59387	71092	2.12%	0.223%
27	12.298	1821	1828	1835	rBV	1206852	1516211	45.28%	4.761%
28	12.371	1835	1840	1848	rVB4	218367	341300	10.19%	1.072%
29	12.463	1849	1855	1859	rBV2	87814	129375	3.86%	0.406%
30	12.518	1859	1864	1869	rVB	70896	97920	2.92%	0.307%
31	12.585	1870	1875	1877	rBV	146432	180391	5.39%	0.566%
32	12.609	1877	1879	1882	rVV	69035	72744	2.17%	0.228%
33	12.664	1884	1888	1892	rVV	948868	1132527	33.82%	3.556%
34	12.701	1892	1894	1898	rVB	116482	117930	3.52%	0.370%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

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\82X032519W.M
Title : SW846 8260

35	12.756	1898	1903	1909	rBV2	386632	637301	19.03%	2.001%
36	12.810	1909	1912	1916	rVB2	69603	71400	2.13%	0.224%
37	12.902	1922	1927	1933	rVB2	224338	285622	8.53%	0.897%
38	12.975	1933	1939	1943	rBV	896134	1107884	33.09%	3.479%
39	13.018	1943	1946	1951	rVB	422056	498603	14.89%	1.566%
40	13.079	1951	1956	1961	rBV3	57145	108009	3.23%	0.339%
41	13.146	1965	1967	1972	rVB	44307	52420	1.57%	0.165%
42	13.225	1976	1980	1988	rVB	276025	358584	10.71%	1.126%
43	13.341	1988	1999	2004	rBV2	1347897	1939863	57.93%	6.091%
44	13.390	2004	2007	2011	rVV2	246407	325775	9.73%	1.023%
45	13.426	2011	2013	2016	rVB	35808	34327	1.03%	0.108%
46	13.475	2017	2021	2026	rVB	354860	456758	13.64%	1.434%
47	13.524	2026	2029	2032	rBV	61784	75706	2.26%	0.238%
48	13.597	2037	2041	2044	rVV	157430	208521	6.23%	0.655%
49	13.640	2044	2048	2054	rVV3	97758	191036	5.71%	0.600%
50	13.719	2054	2061	2071	rVB2	105545	246952	7.38%	0.775%
51	13.835	2076	2080	2088	rVB2	51366	106534	3.18%	0.335%
52	13.914	2088	2093	2098	rBV2	25665	56274	1.68%	0.177%
53	13.981	2099	2104	2108	rBV2	60960	84234	2.52%	0.265%
54	14.024	2108	2111	2120	rVB3	59442	100275	2.99%	0.315%
55	14.127	2123	2128	2130	rBV	65287	94905	2.83%	0.298%
56	14.152	2130	2132	2139	rVB2	48991	71289	2.13%	0.224%
57	14.267	2146	2151	2159	rBV3	65954	142751	4.26%	0.448%
58	14.371	2164	2168	2174	rVV3	41233	69415	2.07%	0.218%
59	14.432	2174	2178	2191	rVB	98086	175332	5.24%	0.551%
60	14.566	2196	2200	2209	rVB	98490	160835	4.80%	0.505%
61	14.834	2240	2244	2253	rVB	111960	162789	4.86%	0.511%
62	14.956	2256	2264	2274	rVB3	39953	79347	2.37%	0.249%
63	15.048	2275	2279	2287	rVB	41374	61614	1.84%	0.193%
64	15.389	2330	2335	2346	rBV	32386	56319	1.68%	0.177%

Sum of corrected areas: 31845705

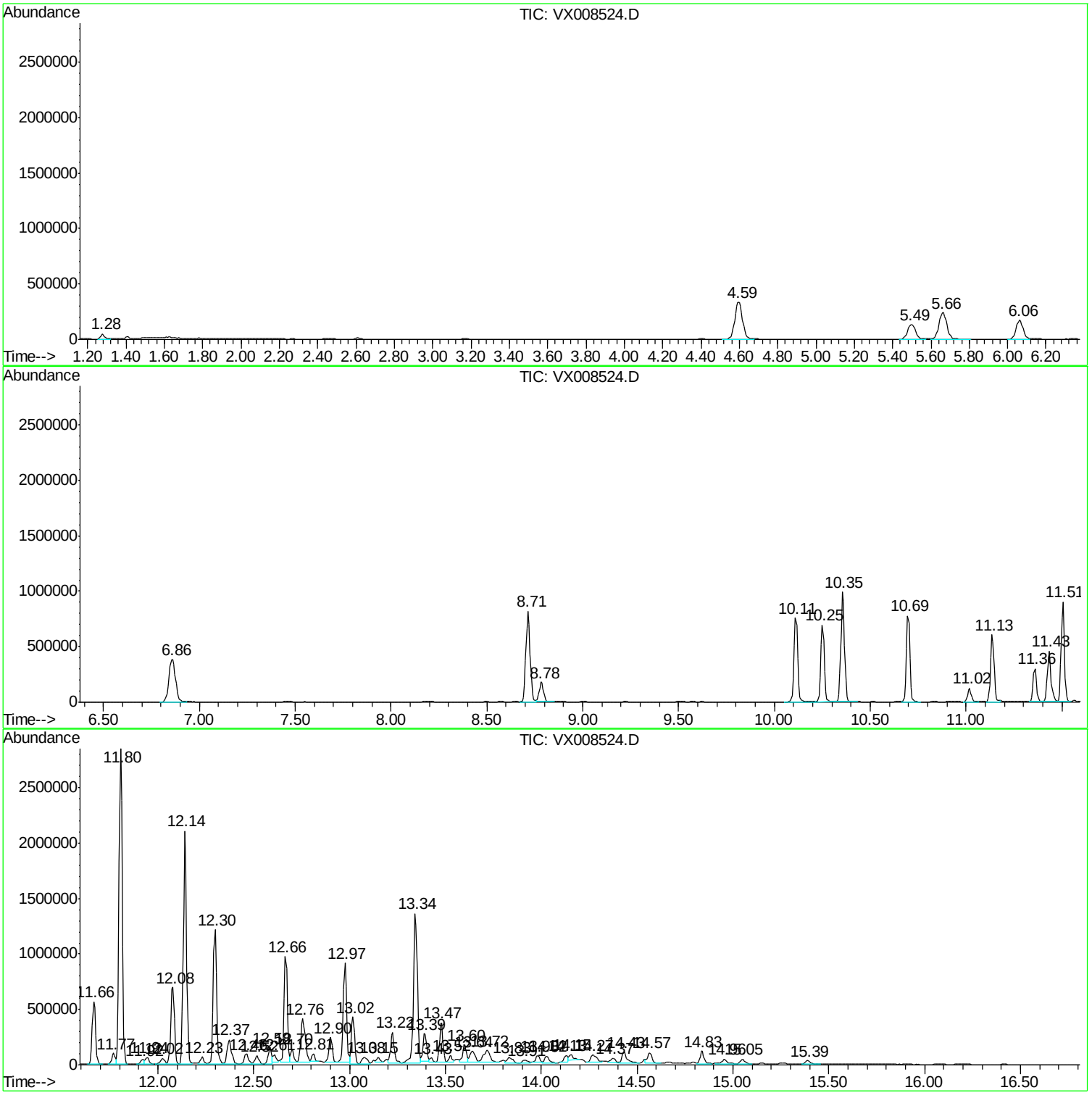
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.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\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

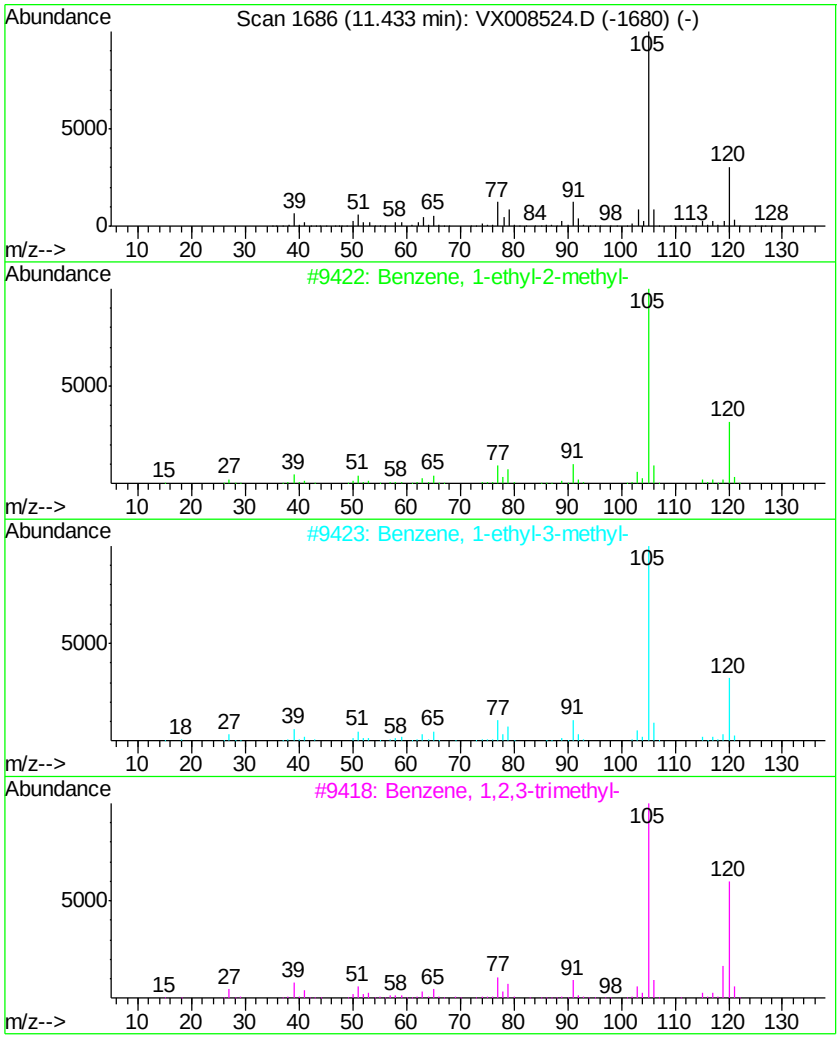
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

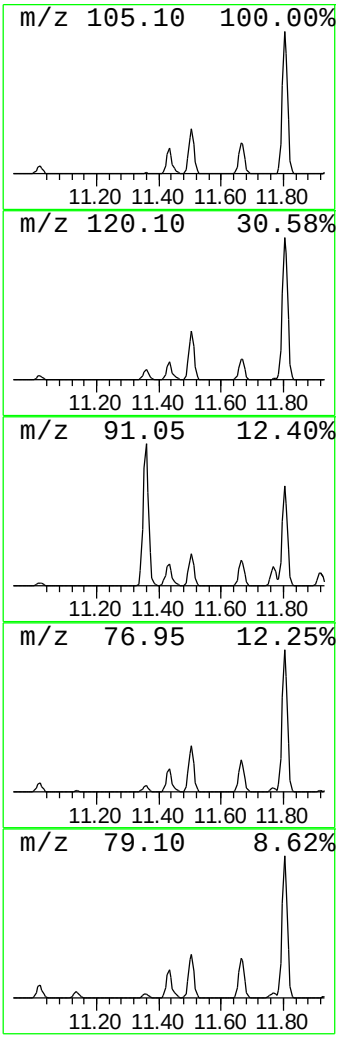
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	33.42 ug/l	613347	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-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

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

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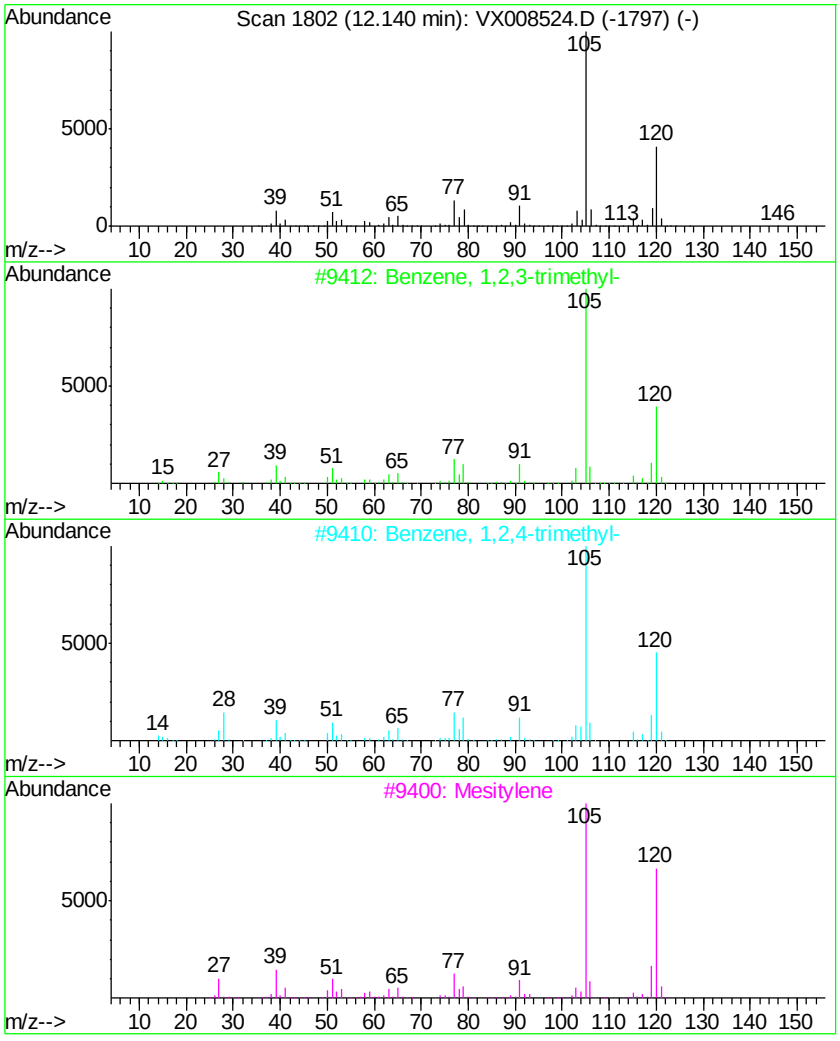
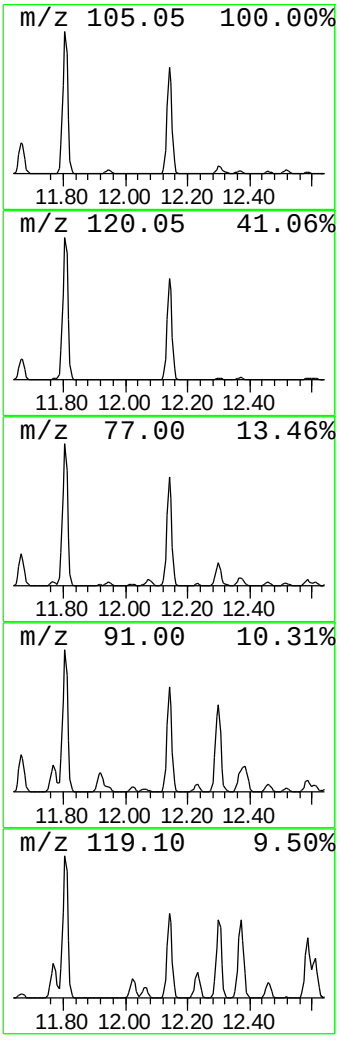
Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	137.12 ug/l	2516150	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	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

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

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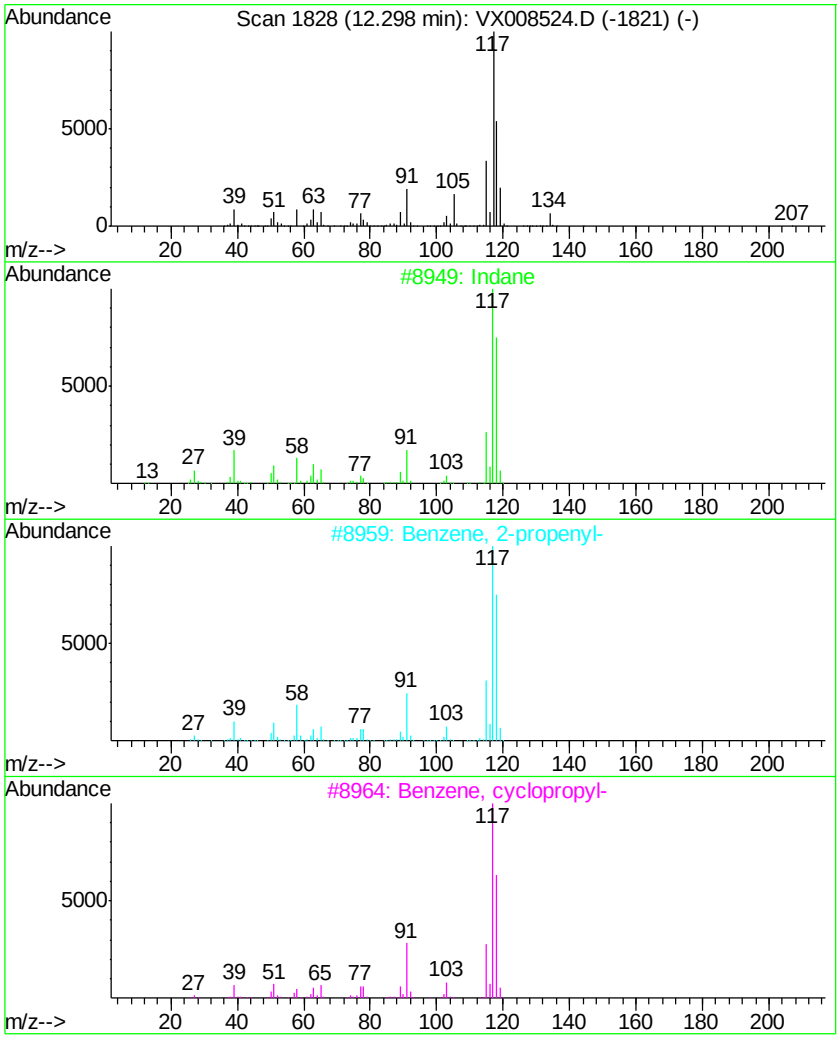
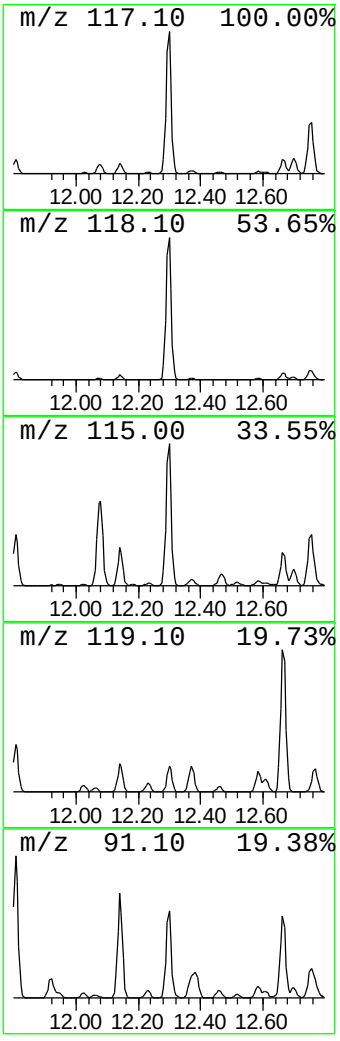
Peak Number 4 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	82.63 ug/l	1516210	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	62
5	Deltacyclene	118	C9H10	007785-10-6	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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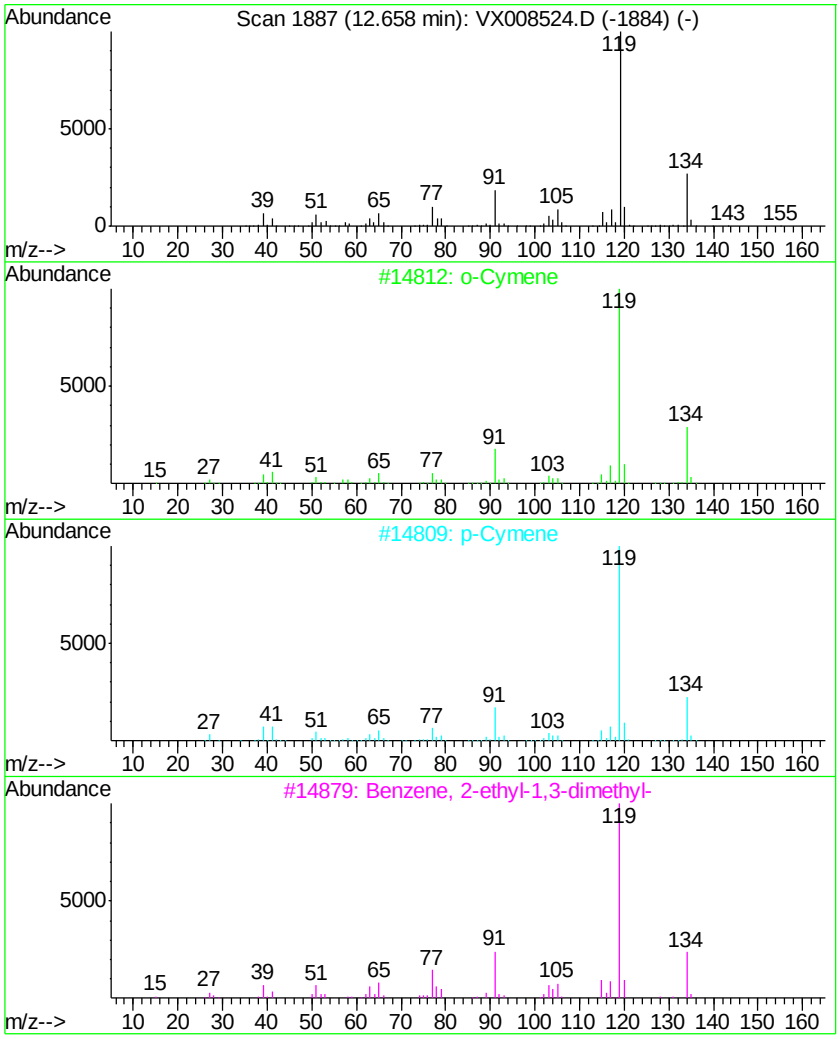
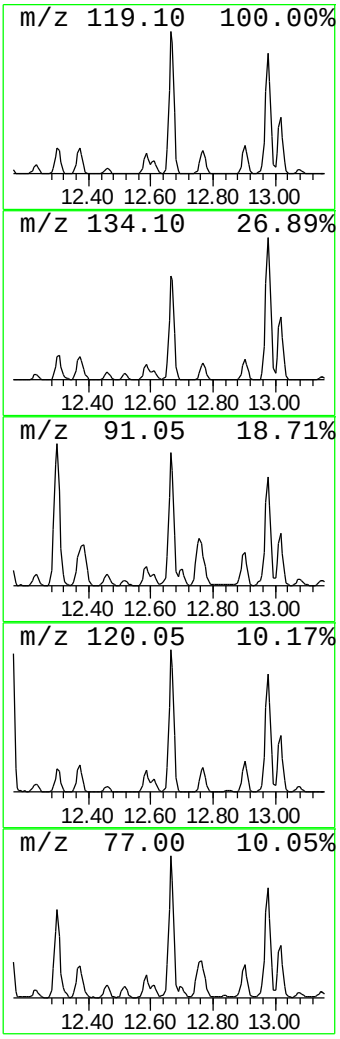
Peak Number 5 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	61.72 ug/l	1132530	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	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





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Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

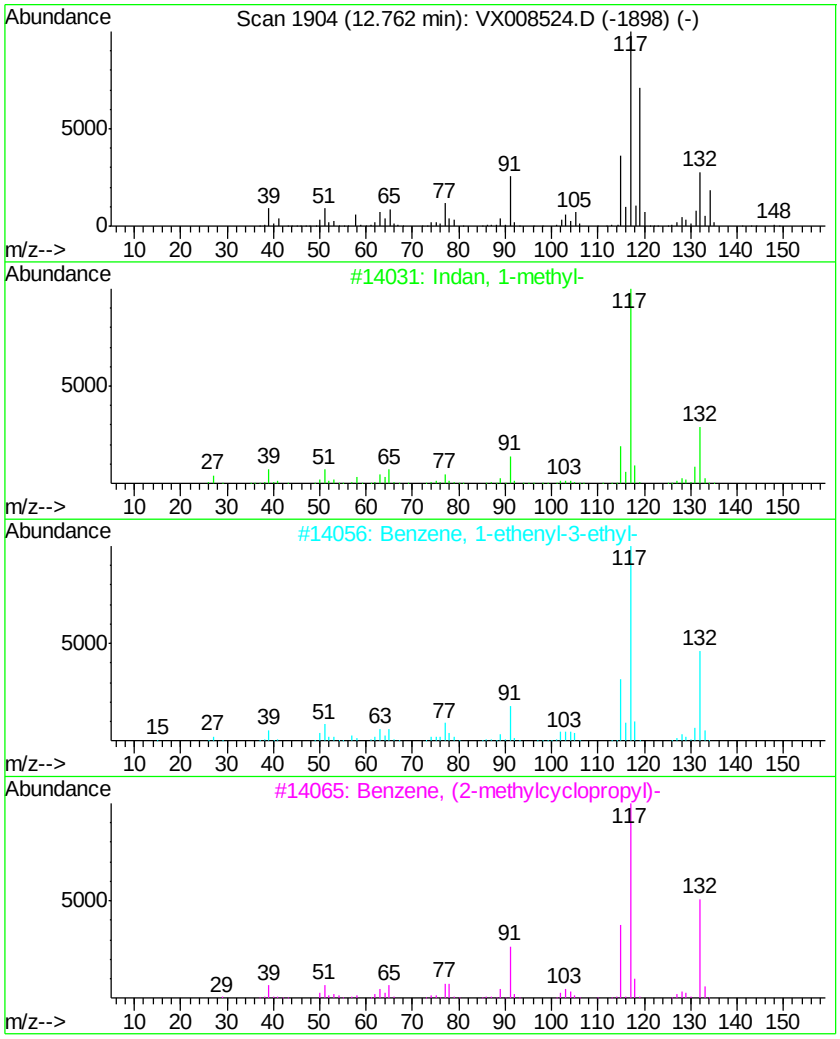
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

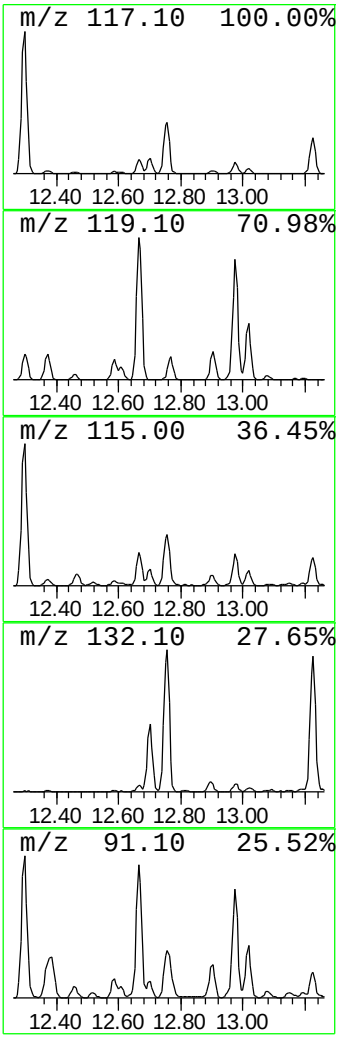
****

Peak Number 6 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	34.73 ug/l	637301	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72





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Data File : VX008524.D
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Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

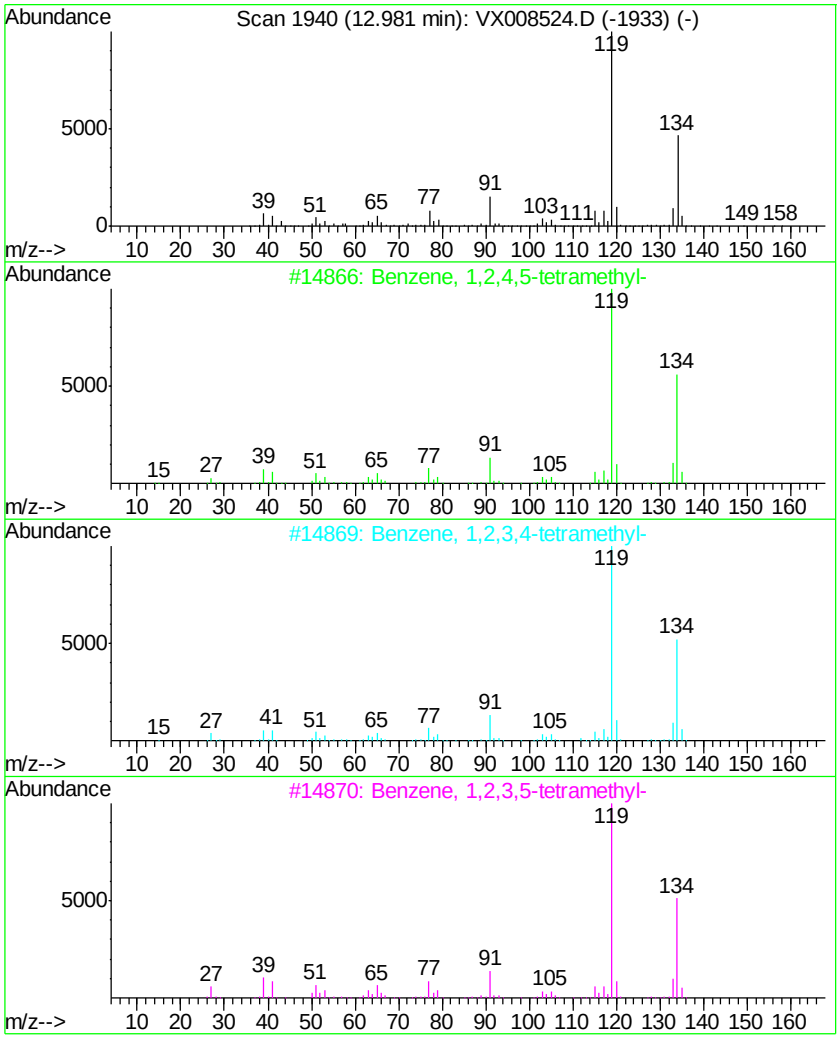
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

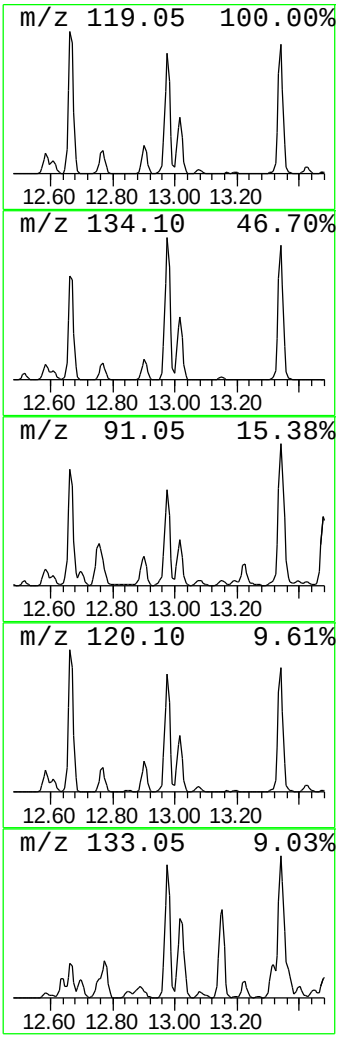
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	60.37 ug/l	1107880	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	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	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

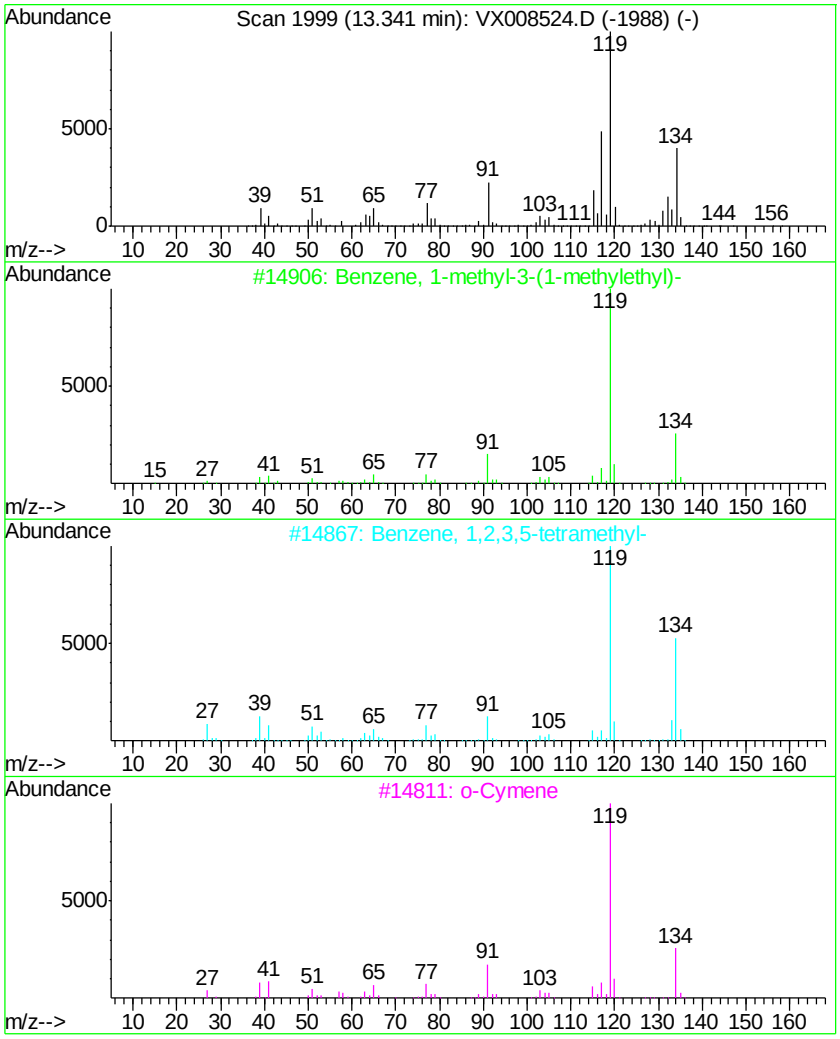
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

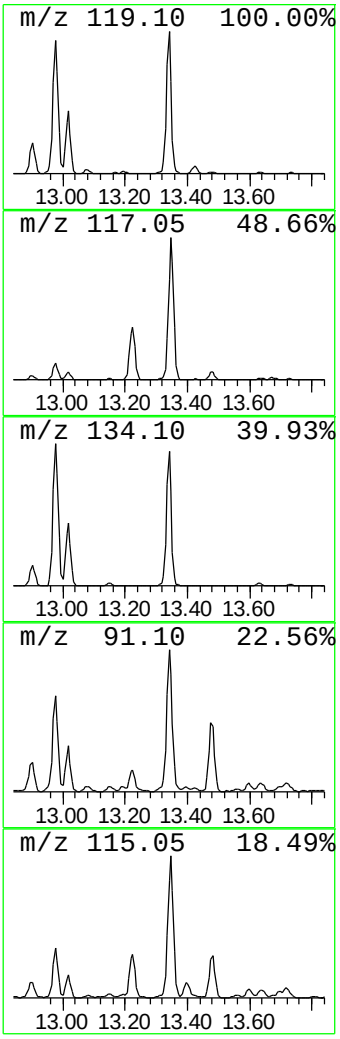
****

Peak Number 9 Benzene, 1-methyl-3-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	105.71 ug/l	1939860	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	70
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
5	p-Cymene	134	C10H14	000099-87-6	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

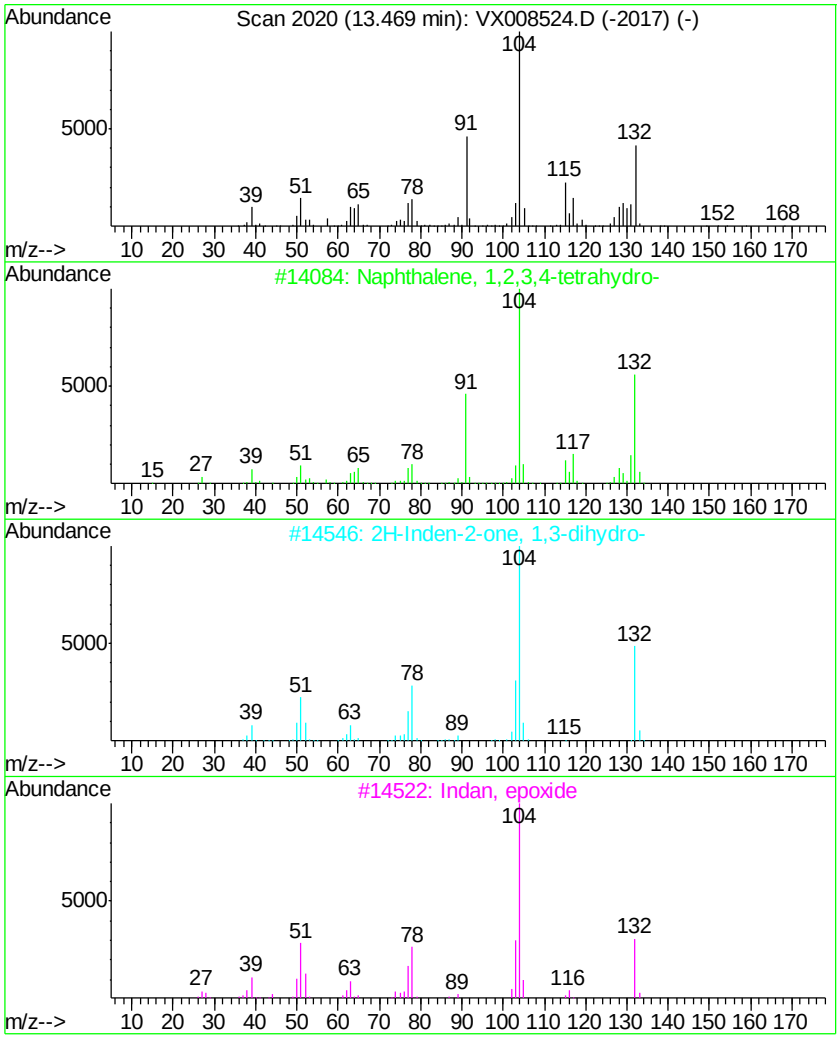
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

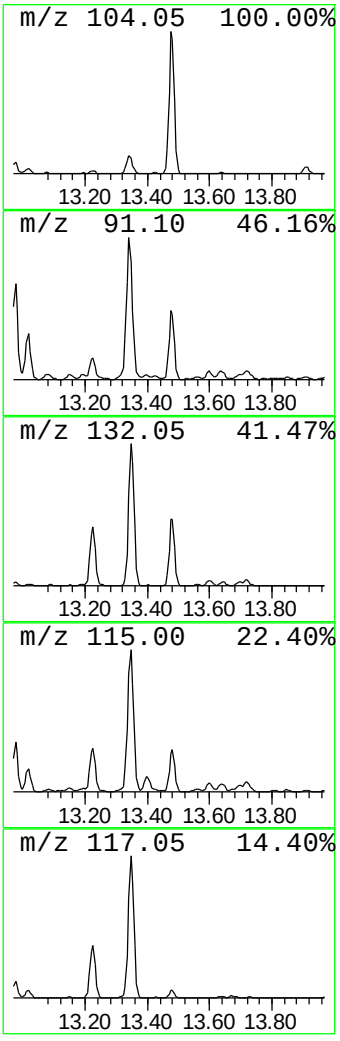
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	24.89 ug/l	456758	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49
3	Indan, epoxide	132	C9H8O	000768-22-9	46
4	Acetic acid, trifluoro-, 2-phenyl...	218	C10H9F3O2	055419-66-4	35
5	Acetic acid, trichloro-, 2-phenyl...	266	C10H9Cl3O2	071965-07-6	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032819\
Data File : VX008524.D
Acq On : 28 Mar 2019 17:00
Operator : JC/SP
Sample : K2121-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.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	33.4	ug/l	613347	4	12.08	917504	50.0
Benzene, 1,2,3-tr...	12.14	137.1	ug/l	2516150	4	12.08	917504	50.0
Indane	12.30	82.6	ug/l	1516210	4	12.08	917504	50.0
o-Cymene	12.66	61.7	ug/l	1132530	4	12.08	917504	50.0
Indan, 1-methyl-	12.76	34.7	ug/l	637301	4	12.08	917504	50.0
Benzene, 1,2,4,5-...	12.98	60.4	ug/l	1107880	4	12.08	917504	50.0
Benzene, 1-methyl...	13.34	105.7	ug/l	1939860	4	12.08	917504	50.0
Naphthalene, 1,2,...	13.47	24.9	ug/l	456758	4	12.08	917504	50.0