LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

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\82X112918W.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	35	rVB	1189413	1081332	11.44%	1.264%
2	1.770	96	101	107	rVB	88161	123973	1.31%	0.145%
3	1.989	132	137	145	rBV2	80860	140957	1.49%	0.165%
4	2.263	177	182	192	rVB	76218	125377	1.33%	0.147%
5	2.452	208	213	221	rBV	70693	122599	1.30%	0.143%
6	2.928	287	291	301	rVB2	54288	117419	1.24%	0.137%
7	3.166	321	330	337	rBV2	50839	126495	1.34%	0.148%
8	4.397	521	532	544	rBV4	148287	448050	4.74%	0.524%
9	5.299	670	680	692	rVB3	35197	112123	1.19%	0.131%
10	5.501	700	713	720	rBV2	393943	1163513	12.31%	1.360%
11	5.574	720	725	731	rVV2	185416	540005	5.71%	0.631%
12	5.659	731	739	764	rVB	699676	2061195	21.81%	2.409%
13	5.927	772	783	794	rBV7	29749	104243	1.10%	0.122%
14	6.068	796	806	814	rBV	386525	1011798	10.70%	1.182%
15	6.452	861	869	878	rVB3	59611	165612	1.75%	0.194%
16	6.860	926	936	946	rBV	994626	2419988	25.60%	2.828%
17	7.250	994	1000	1008	rVB2	45550	101607	1.07%	0.119%
18	7.458	1024	1034	1046	rBV	386753	895803	9.48%	1.047%
19	8.214	1152	1158	1162	rBV	76686	124795	1.32%	0.146%
20	8.567	1208	1216	1224	rVB	85789	157815	1.67%	0.184%
21	8.665	1224	1232	1234	rBV3	66077	112966	1.20%	0.132%
22	8.714	1234	1240	1248	rVB	2159826	3369789	35.65%	3.938%
23	9.220	1319	1323	1333	rVB2	57958	97225	1.03%	0.114%
24	10.110	1463	1469	1475	rBV	2071208	2872967	30.39%	3.357%
25	10.360	1499	1510	1516	rBV	2319683	3228006	34.15%	3.772%
26	10.695	1561	1565	1571	rVB	1092072	1479859	15.66%	1.729%
27	11.140	1632	1638	1643	rBV	1752607	2311747	24.46%	2.701%
28	11.433	1681	1686	1694	rBV	2976801	5192600	54.93%	6.068%
29	11.506	1694	1698	1710	rVB	2619518	3148924	33.31%	3.680%
30	11.664	1719	1724	1735	rVB	1396380	1832410	19.38%	2.141%
31	11.804	1742	1747	1753	rVB	7700018	9452781	100.00%	11.046%
32	12.024	1778	1783	1787	rBV	273486	335306	3.55%	0.392%
33	12.079	1787	1792	1797	rVB	2417980	3037399	32.13%	3.549%
34	12.140	1797	1802	1808	rBV	2996365	3715596	39.31%	4.342%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

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\82X112918W.M
Title : SW846 8260

35	12.298	1823	1828	1836	rBV2	2053984	3212080	33.98%	3.754%
36	12.371	1836	1840	1847	rVB2	1469387	1874930	19.83%	2.191%
37	12.463	1849	1855	1860	rVB3	153523	216948	2.30%	0.254%
38	12.518	1860	1864	1868	rBV	282601	328370	3.47%	0.384%
39	12.585	1870	1875	1877	rBV	871199	1077882	11.40%	1.260%
40	12.609	1877	1879	1884	rVB	864696	916792	9.70%	1.071%
41	12.670	1884	1889	1892	rBV	1404172	1704974	18.04%	1.992%
42	12.701	1892	1894	1898	rVB	398282	420938	4.45%	0.492%
43	12.755	1898	1903	1911	rBV2	1375079	1863762	19.72%	2.178%
44	12.902	1922	1927	1932	rVB2	497148	605735	6.41%	0.708%
45	12.975	1932	1939	1943	rBV	994872	1225120	12.96%	1.432%
46	13.018	1943	1946	1952	rVB	1548243	1796236	19.00%	2.099%
47	13.097	1952	1959	1962	rBV3	156750	326845	3.46%	0.382%
48	13.225	1976	1980	1985	rVB	1483550	1714630	18.14%	2.004%
49	13.310	1990	1994	1996	rBV3	129971	190734	2.02%	0.223%
50	13.347	1996	2000	2005	rVV2	3053358	4079405	43.16%	4.767%
51	13.402	2005	2009	2011	rVV3	178700	252357	2.67%	0.295%
52	13.481	2017	2022	2028	rVB	766735	955977	10.11%	1.117%
53	13.560	2029	2035	2038	rBV2	209711	279879	2.96%	0.327%
54	13.603	2038	2042	2045	rVV	437492	631293	6.68%	0.738%
55	13.639	2045	2048	2054	rVV3	419088	768560	8.13%	0.898%
56	13.700	2054	2058	2059	rVV	230272	314078	3.32%	0.367%
57	13.719	2059	2061	2067	rVB2	463344	613959	6.50%	0.717%
58	13.835	2073	2080	2089	rBV	2421270	3067933	32.46%	3.585%
59	13.926	2089	2095	2100	rBV	450004	576831	6.10%	0.674%
60	13.981	2100	2104	2108	rVV2	191764	259956	2.75%	0.304%
61	14.030	2108	2112	2116	rVB	170788	200262	2.12%	0.234%
62	14.133	2124	2129	2134	rBV	379369	468038	4.95%	0.547%
63	14.273	2147	2152	2157	rBV	318692	535169	5.66%	0.625%
64	14.377	2165	2169	2175	rBV	136158	218030	2.31%	0.255%
65	14.432	2175	2178	2183	rVB2	227146	277167	2.93%	0.324%
66	14.542	2190	2196	2201	rBV2	75253	123232	1.30%	0.144%
67	14.658	2209	2215	2217	rBV	207844	267678	2.83%	0.313%
68	14.694	2217	2221	2232	rVV	1422294	1834640	19.41%	2.144%
69	14.840	2240	2245	2256	rVB2	736565	1041605	11.02%	1.217%

Sum of corrected areas: 85574299

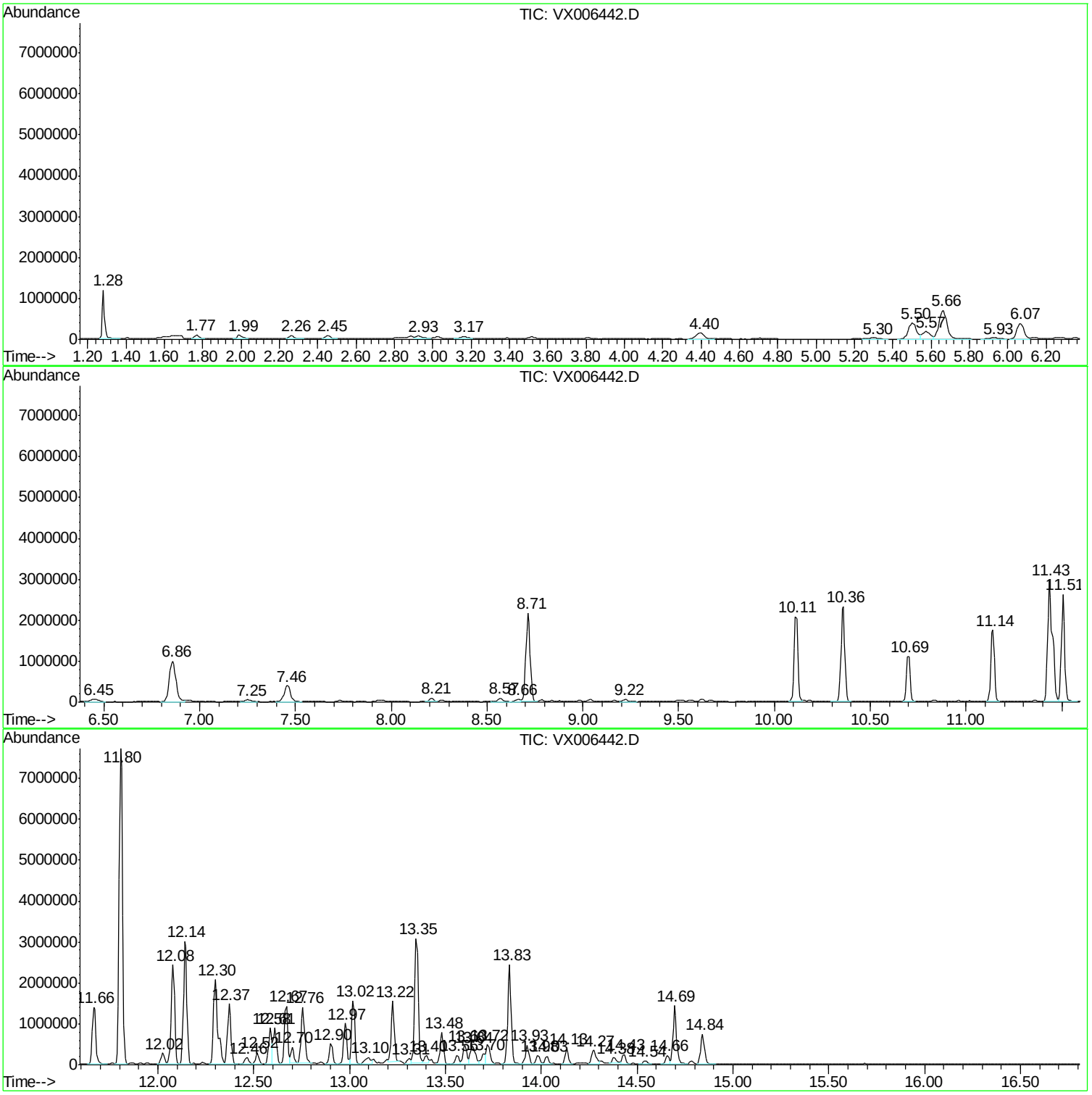
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

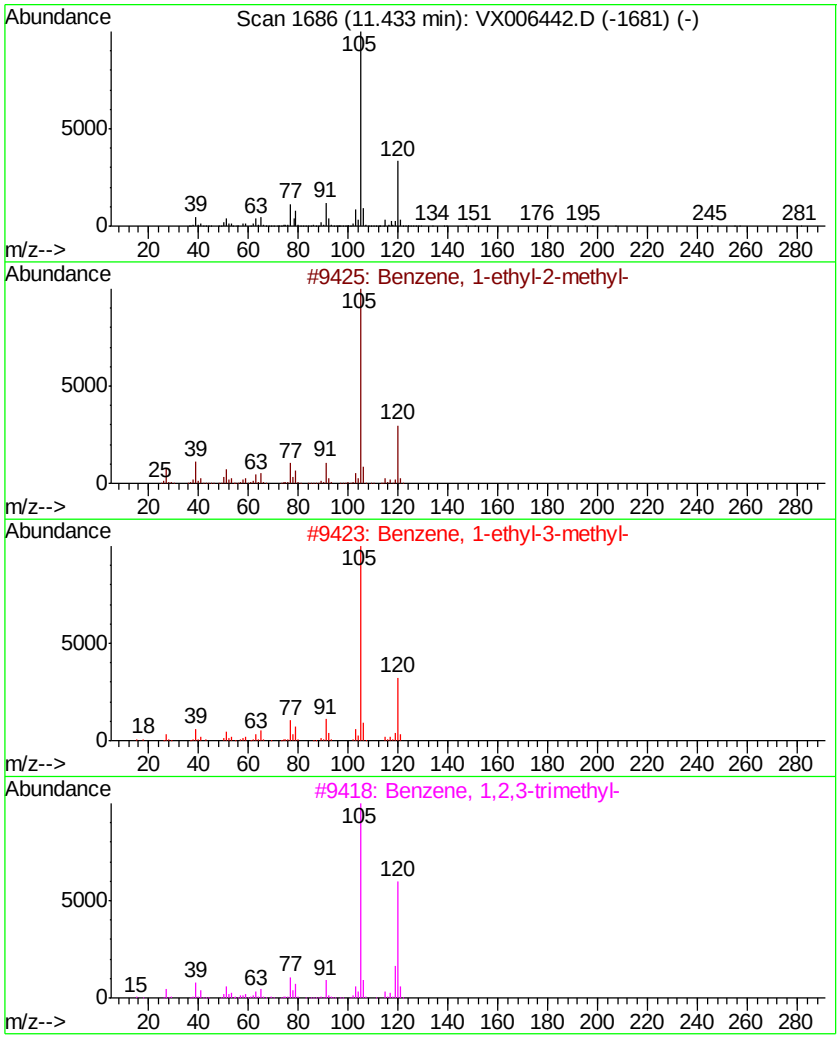
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

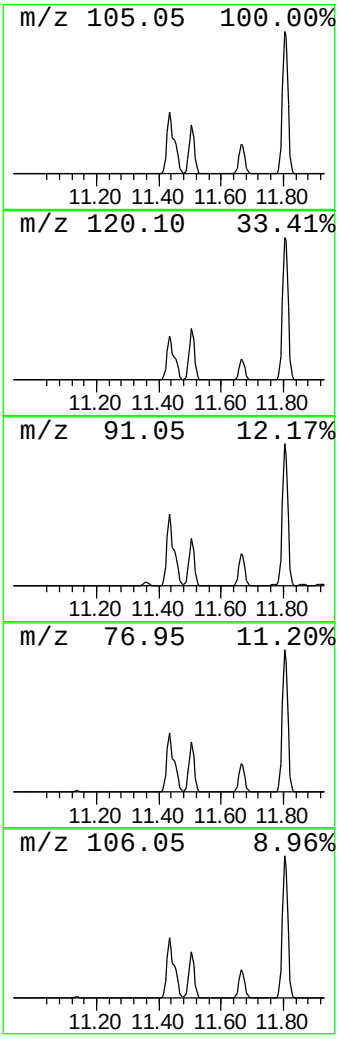
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	85.48 ug/l	5192600	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	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

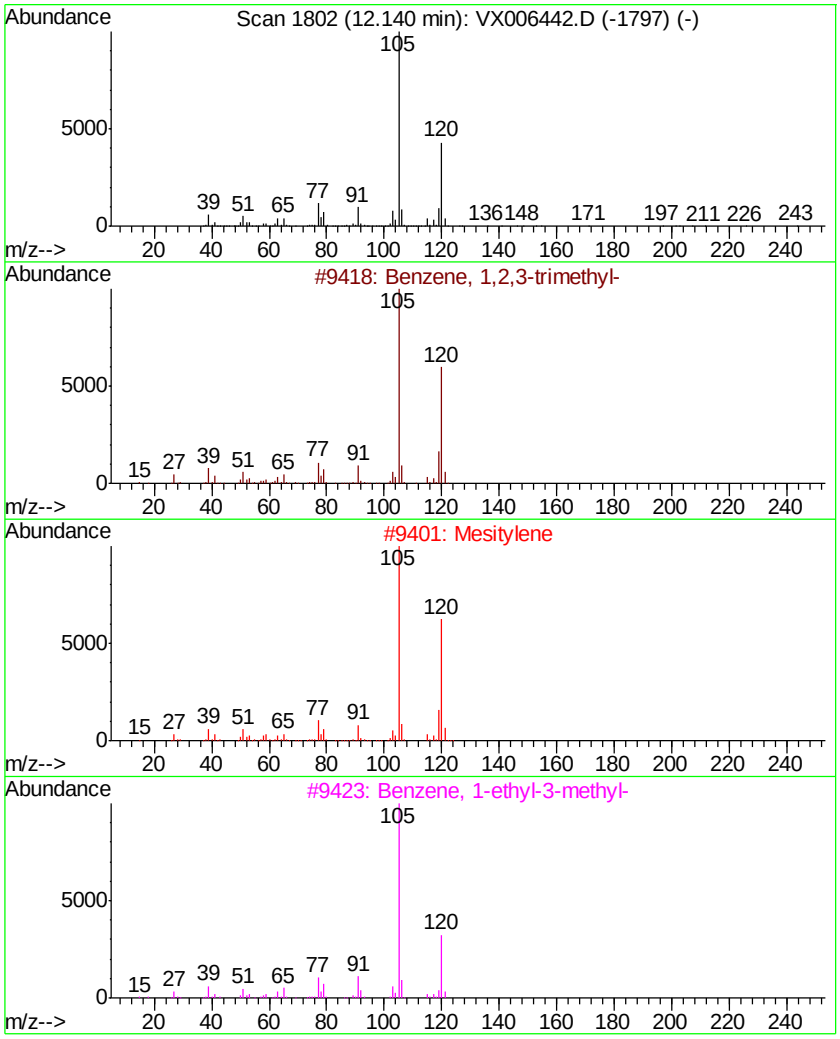
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

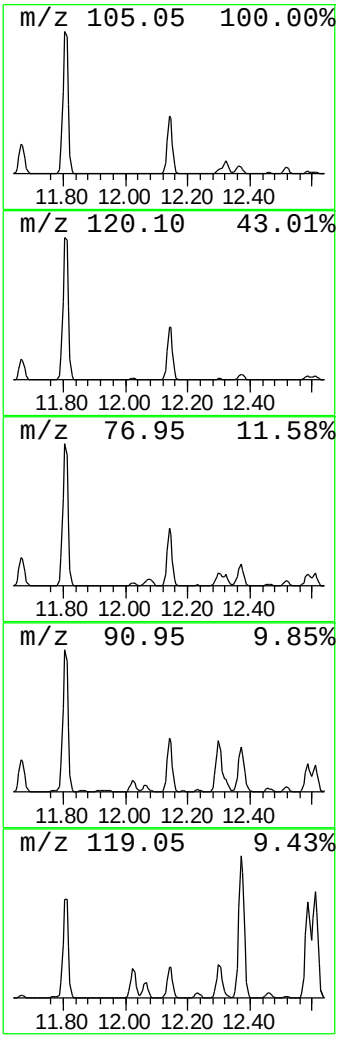
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	61.16 ug/l	3715600	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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

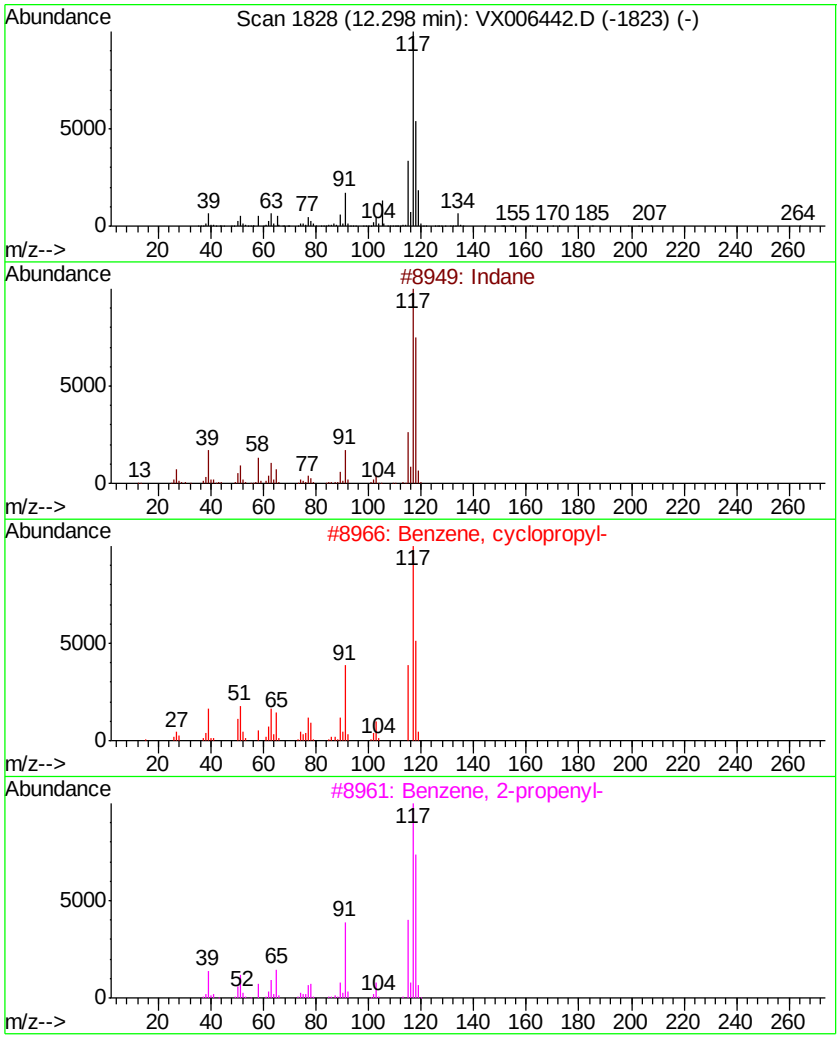
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

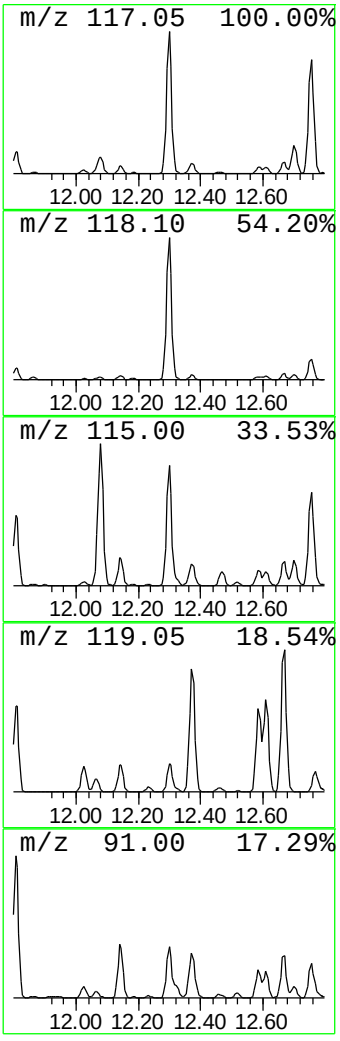
****

Peak Number 4 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	52.88 ug/l	3212080	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, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
5	Deltacyclene	118	C9H10	007785-10-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

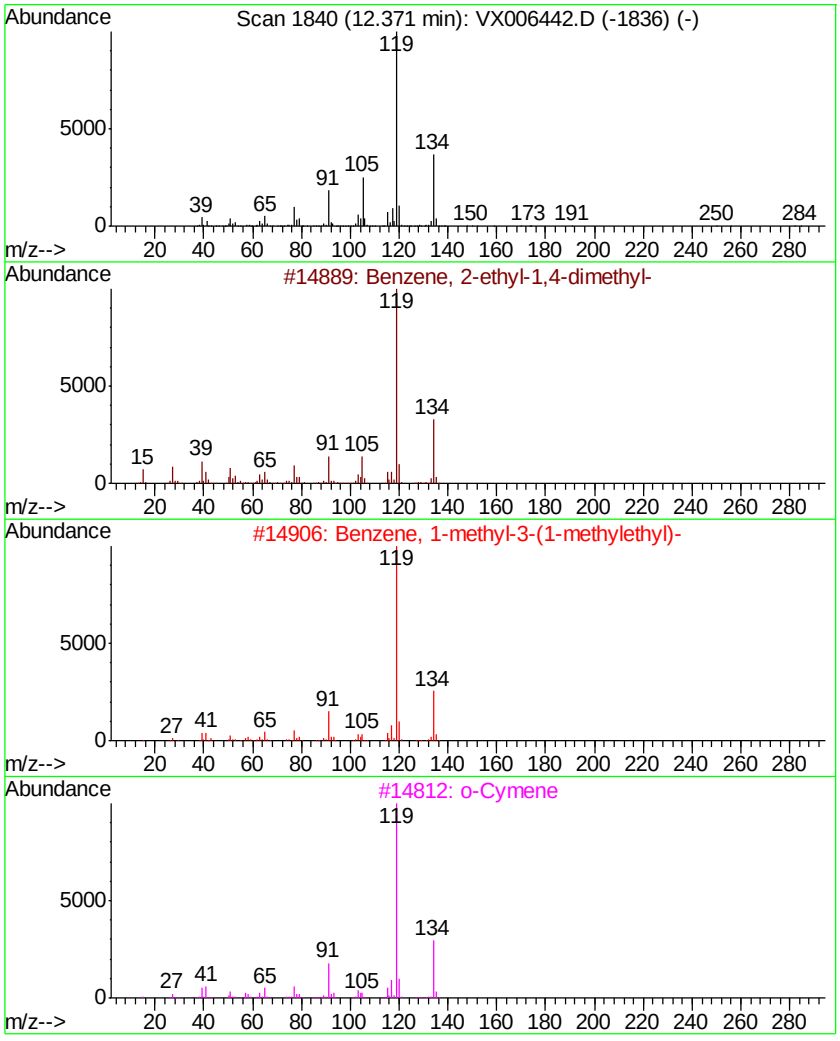
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

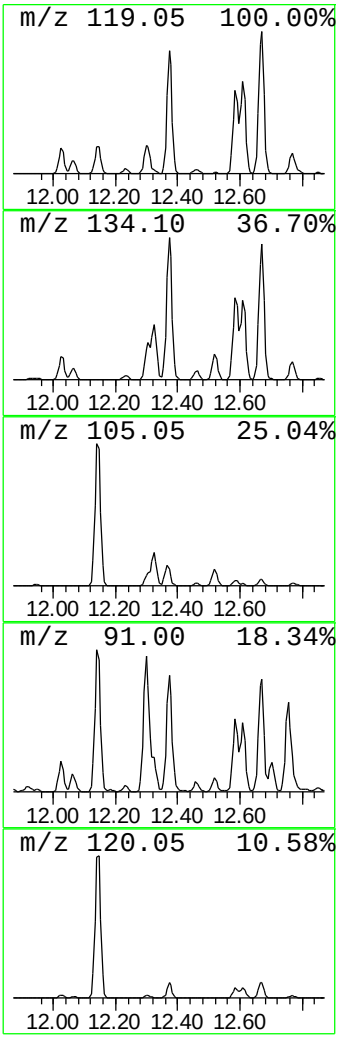
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	30.86 ug/l	1874930	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	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-3,5-dimethyl-	134	C10H14	000934-74-7	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

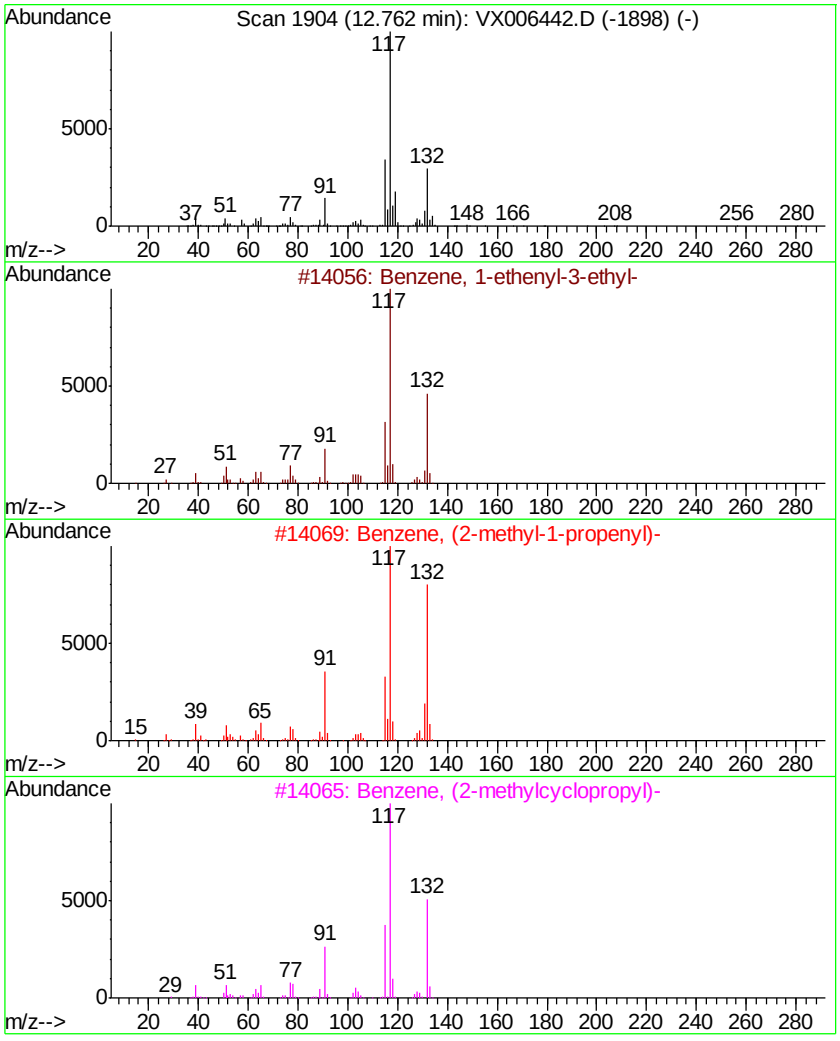
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

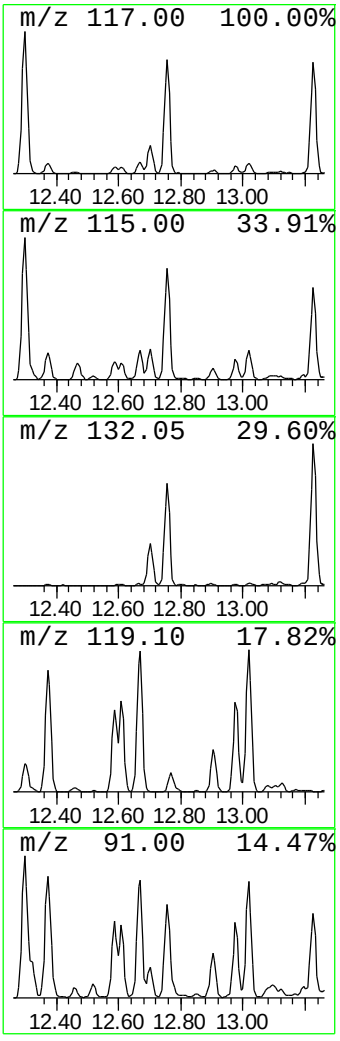
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	30.68 ug/l	1863760	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	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

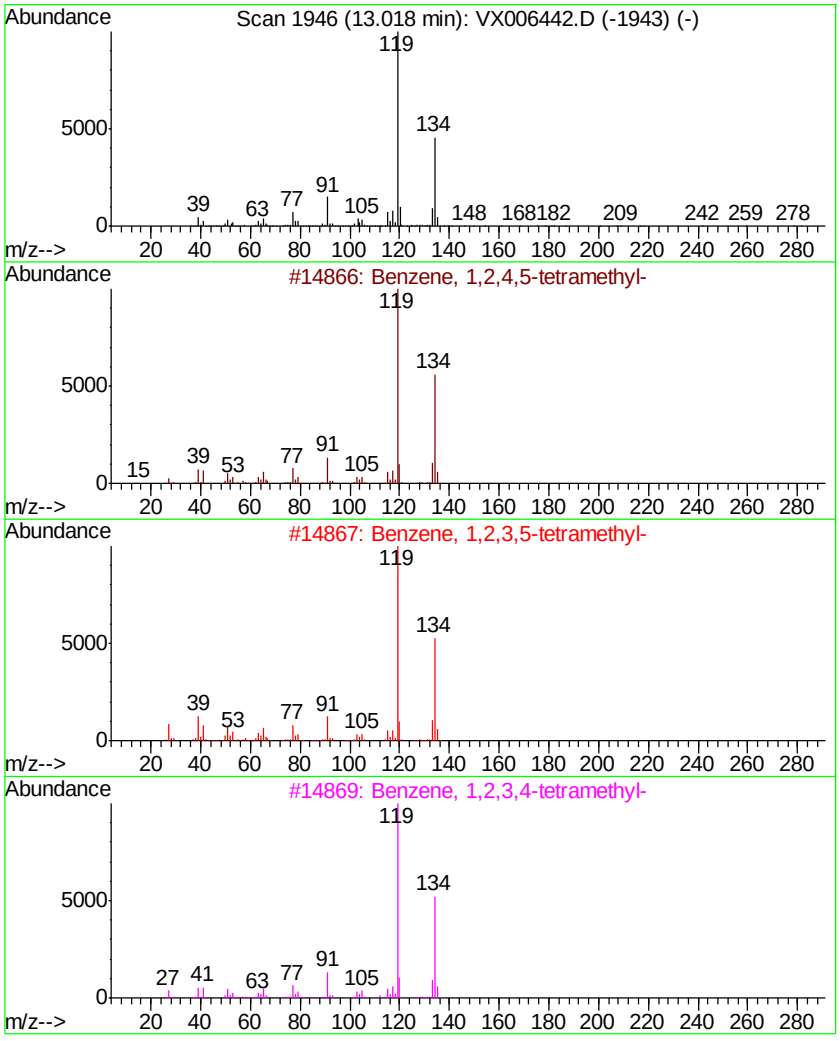
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

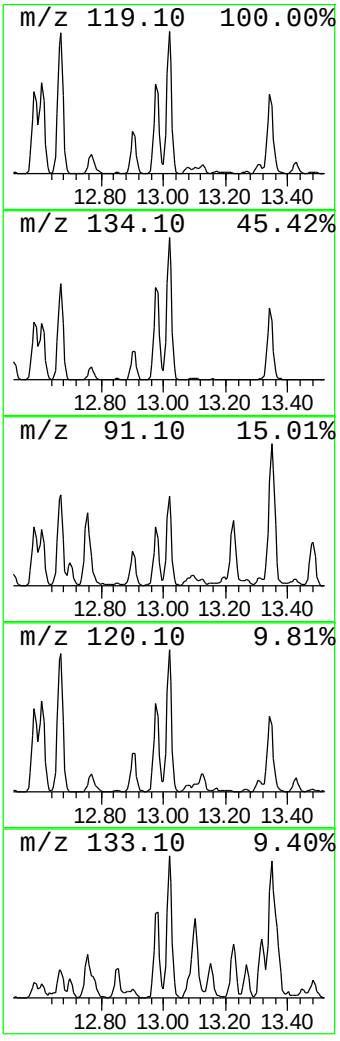
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	29.57 ug/l	1796240	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	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

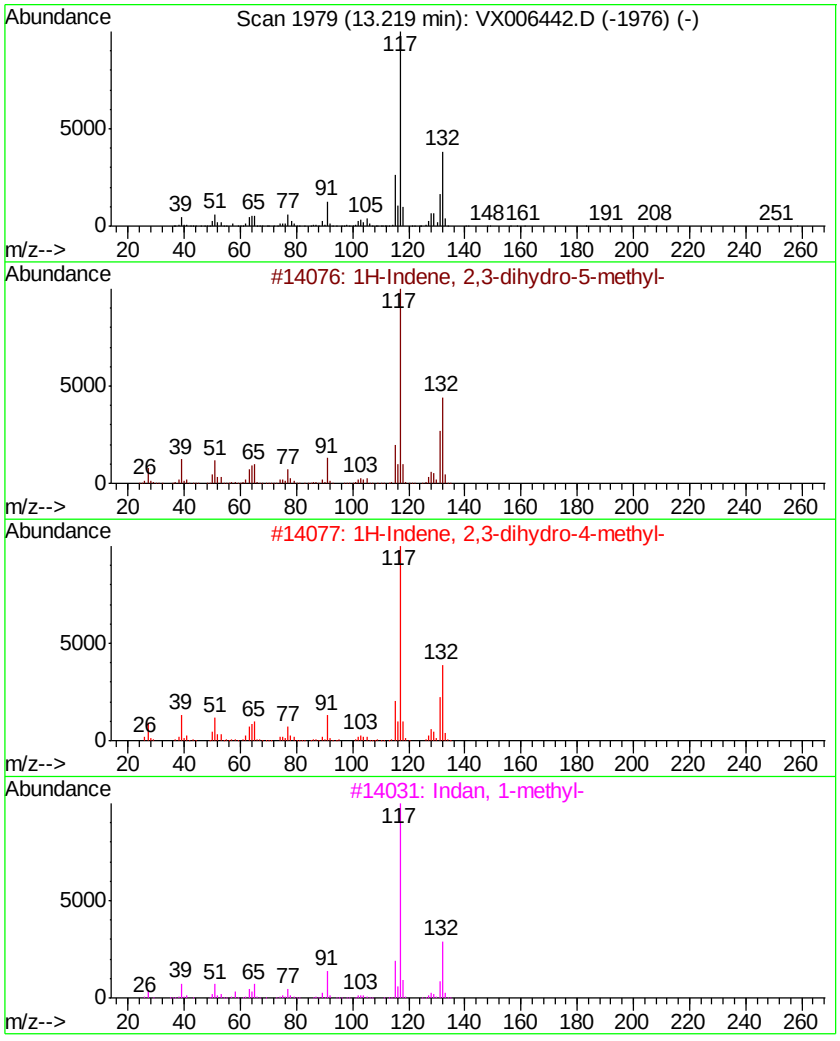
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

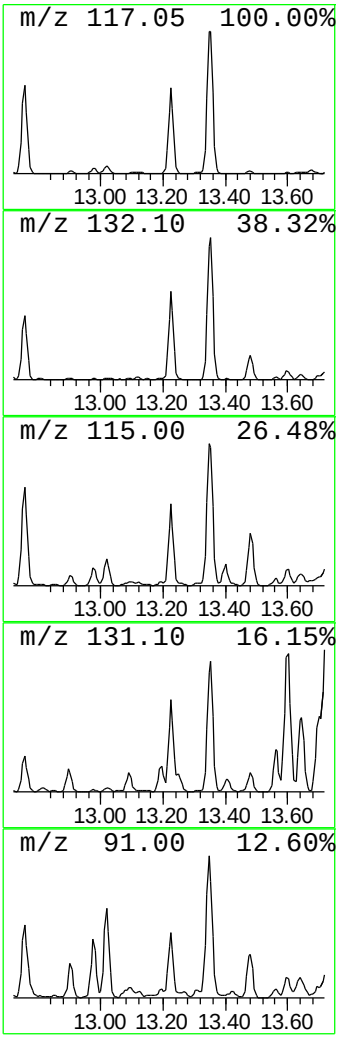
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	28.23 ug/l	1714630	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	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





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Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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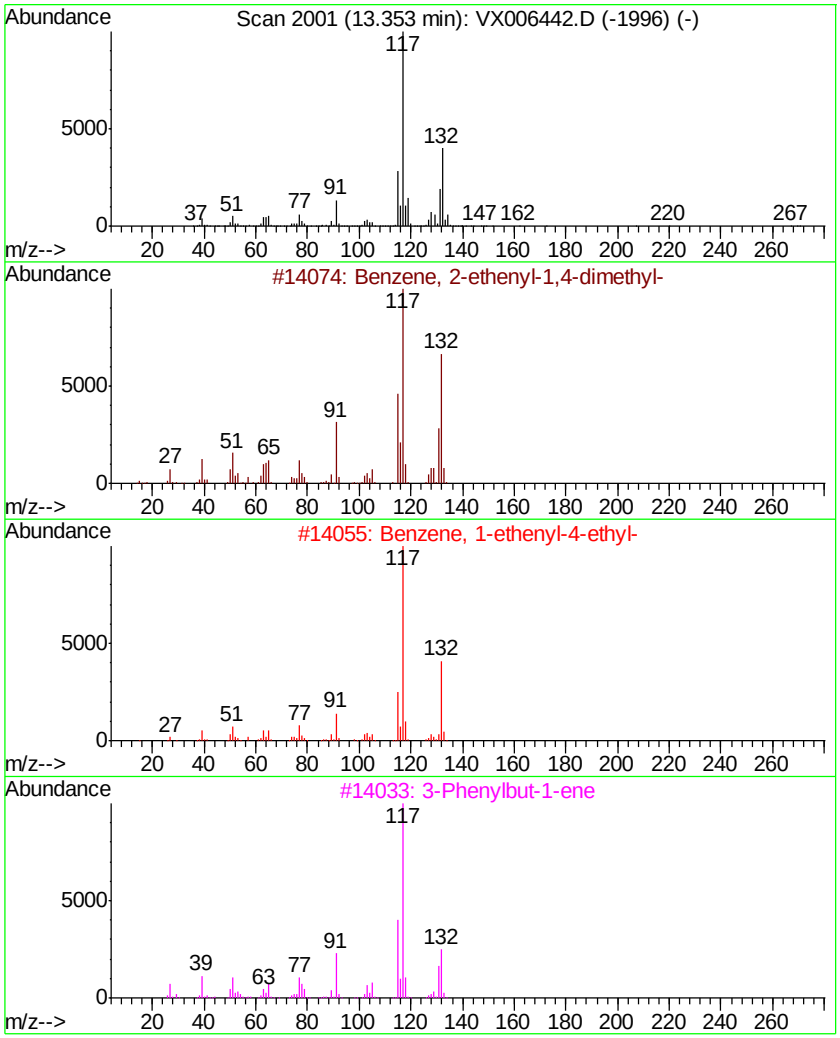
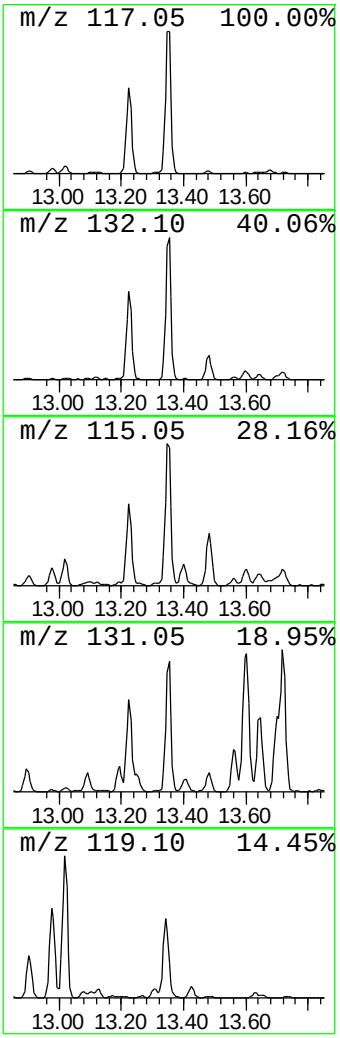
Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	67.15 ug/l	4079410	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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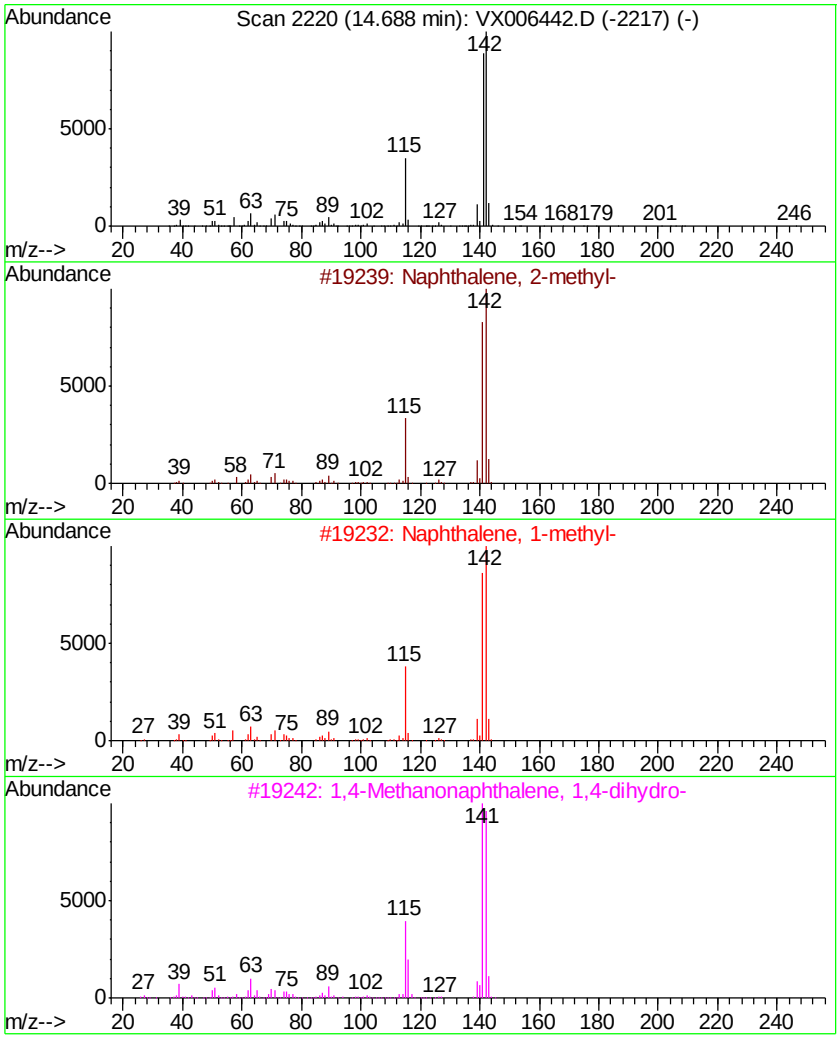
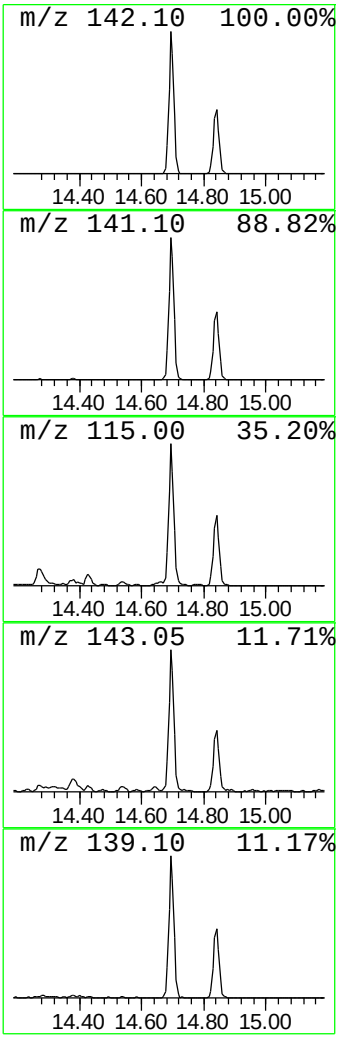
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	30.20 ug/l	1834640	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006442.D
Acq On : 12 Dec 2018 13:59
Operator : JC/MD
Sample : J6334-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B2-121018DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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	85.5	ug/l	5192600	4	12.08	3037400	50.0
Benzene, 1,2,3-tr...	12.14	61.2	ug/l	3715600	4	12.08	3037400	50.0
Indane	12.30	52.9	ug/l	3212080	4	12.08	3037400	50.0
Benzene, 2-ethyl-...	12.37	30.9	ug/l	1874930	4	12.08	3037400	50.0
Benzene, 1-etheny...	12.76	30.7	ug/l	1863760	4	12.08	3037400	50.0
Benzene, 1,2,4,5-...	13.02	29.6	ug/l	1796240	4	12.08	3037400	50.0
1H-Indene, 2,3-di...	13.22	28.2	ug/l	1714630	4	12.08	3037400	50.0
Benzene, 2-etheny...	13.35	67.2	ug/l	4079410	4	12.08	3037400	50.0
Naphthalene, 1-me...	14.69	30.2	ug/l	1834640	4	12.08	3037400	50.0