LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

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\82X071619W.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	26	rBV	40309	53299	1.17%	0.124%
2	1.794	98	105	116	rBV	210221	304648	6.69%	0.706%
3	2.001	134	139	149	rVB	198948	280142	6.15%	0.649%
4	2.397	196	204	218	rVB	61669	129090	2.84%	0.299%
5	2.849	270	278	281	rBV	89695	201828	4.43%	0.468%
6	2.891	281	285	290	rVB	145677	263859	5.80%	0.612%
7	3.178	323	332	347	rVB	260586	606912	13.33%	1.407%
8	3.525	380	389	398	rBV2	76853	174843	3.84%	0.405%
9	4.403	523	533	548	rVB	745384	2200474	48.34%	5.101%
10	5.238	656	670	679	rBV2	16938	63322	1.39%	0.147%
11	5.500	698	713	718	rBV	130854	379831	8.34%	0.881%
12	5.580	718	726	734	rVV	637545	1931497	42.43%	4.478%
13	5.659	734	739	748	rVB	188266	485716	10.67%	1.126%
14	5.946	771	786	797	rBV5	74464	261558	5.75%	0.606%
15	6.061	797	805	820	rVB	127693	333994	7.34%	0.774%
16	6.256	828	837	847	rBV3	83616	257804	5.66%	0.598%
17	6.360	847	854	862	rVV2	84662	223839	4.92%	0.519%
18	6.458	862	870	881	rVB2	79530	217287	4.77%	0.504%
19	6.860	926	936	946	rBV	333192	783416	17.21%	1.816%
20	7.464	1021	1035	1047	rBV	524872	1202516	26.42%	2.788%
21	7.732	1073	1079	1090	rVB2	39749	80266	1.76%	0.186%
22	7.848	1090	1098	1106	rBV2	26658	56633	1.24%	0.131%
23	8.024	1121	1127	1137	rVB4	24867	52856	1.16%	0.123%
24	8.665	1225	1232	1235	rBV2	53541	97314	2.14%	0.226%
25	8.713	1235	1240	1249	rVB	729986	1126149	24.74%	2.611%
26	8.841	1255	1261	1265	rBV	42700	72246	1.59%	0.167%
27	9.036	1288	1293	1301	rVB	91291	149854	3.29%	0.347%
28	9.164	1304	1314	1319	rBV	39906	66129	1.45%	0.153%
29	9.622	1385	1389	1393	rVB	39412	52916	1.16%	0.123%
30	9.677	1393	1398	1402	rBV	32313	47423	1.04%	0.110%
31	10.109	1457	1469	1475	rBV	696820	964117	21.18%	2.235%
32	10.183	1475	1481	1486	rVB	44813	65062	1.43%	0.151%
33	10.250	1486	1492	1498	rBV	2207427	2802809	61.57%	6.497%
34	10.359	1501	1510	1516	rBV	3289932	4552376	100.00%	10.553%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

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\82X071619W.M
Title : SW846 8260

35	10.695	1560	1565	1575	rVB	2687709	3501770	76.92%	8.118%
36	11.018	1612	1618	1628	rVB	564820	700461	15.39%	1.624%
37	11.134	1632	1637	1642	rBV	651838	810806	17.81%	1.880%
38	11.359	1669	1674	1681	rVB	282231	349666	7.68%	0.811%
39	11.432	1681	1686	1693	rBV	721562	1364869	29.98%	3.164%
40	11.506	1693	1698	1705	rVB	608727	727070	15.97%	1.685%
41	11.664	1718	1724	1733	rBV	1172121	1435263	31.53%	3.327%
42	11.768	1733	1741	1743	rBV	38332	52512	1.15%	0.122%
43	11.804	1743	1747	1752	rVB	1072351	1239481	27.23%	2.873%
44	11.920	1758	1766	1767	rBV	72355	91839	2.02%	0.213%
45	11.944	1767	1770	1776	rVB	112860	141953	3.12%	0.329%
46	12.024	1776	1783	1786	rBV	136688	164536	3.61%	0.381%
47	12.079	1786	1792	1797	rVB	780605	1068181	23.46%	2.476%
48	12.140	1797	1802	1812	rVB	1928280	2285393	50.20%	5.298%
49	12.231	1812	1817	1821	rVB	51072	62440	1.37%	0.145%
50	12.298	1821	1828	1835	rBV2	516883	738150	16.21%	1.711%
51	12.365	1835	1839	1848	rVB4	214191	342495	7.52%	0.794%
52	12.457	1849	1854	1859	rBV	50402	63264	1.39%	0.147%
53	12.518	1859	1864	1869	rBV	138563	170410	3.74%	0.395%
54	12.585	1869	1875	1877	rBV	112178	156686	3.44%	0.363%
55	12.609	1877	1879	1883	rVB	145918	140554	3.09%	0.326%
56	12.664	1883	1888	1892	rBV	294311	339218	7.45%	0.786%
57	12.755	1899	1903	1910	rVB4	267347	484864	10.65%	1.124%
58	12.902	1922	1927	1931	rVB2	202900	290310	6.38%	0.673%
59	12.975	1931	1939	1942	rBV	233302	314395	6.91%	0.729%
60	13.017	1942	1946	1951	rVB	183514	226763	4.98%	0.526%
61	13.078	1951	1956	1962	rBV2	52139	111602	2.45%	0.259%
62	13.341	1995	1999	2005	rVB2	486598	647140	14.22%	1.500%
63	13.475	2015	2021	2027	rVB	201364	269823	5.93%	0.626%
64	13.597	2037	2041	2044	rVV	41741	66660	1.46%	0.155%
65	13.633	2044	2047	2051	rVV3	83019	133373	2.93%	0.309%
66	13.694	2051	2057	2059	rVV3	70034	146001	3.21%	0.338%
67	13.719	2059	2061	2067	rVB2	92060	119198	2.62%	0.276%
68	13.828	2070	2079	2088	rVB	933091	1313202	28.85%	3.044%
69	13.908	2088	2092	2097	rVB	98454	119443	2.62%	0.277%
70	13.981	2097	2104	2108	rBV2	106735	164429	3.61%	0.381%
71	14.286	2146	2154	2161	rVB	134557	226078	4.97%	0.524%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
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Sample : K3884-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

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\82X071619W.M
Title : SW846 8260

72	14.426	2172	2177	2182	rVB2	38158	50660	1.11%	0.117%
73	14.535	2190	2195	2200	rBV2	94979	132641	2.91%	0.307%
74	14.694	2214	2221	2225	rBV	648720	836791	18.38%	1.940%
75	14.834	2238	2244	2249	rBV	554148	685638	15.06%	1.589%
76	15.267	2305	2315	2320	rBV2	50065	97224	2.14%	0.225%
77	15.547	2354	2361	2366	rBV	37335	61248	1.35%	0.142%
78	15.682	2376	2383	2387	rBV	53384	96427	2.12%	0.224%
79	15.724	2387	2390	2395	rVB	36953	54182	1.19%	0.126%

Sum of corrected areas: 43137134

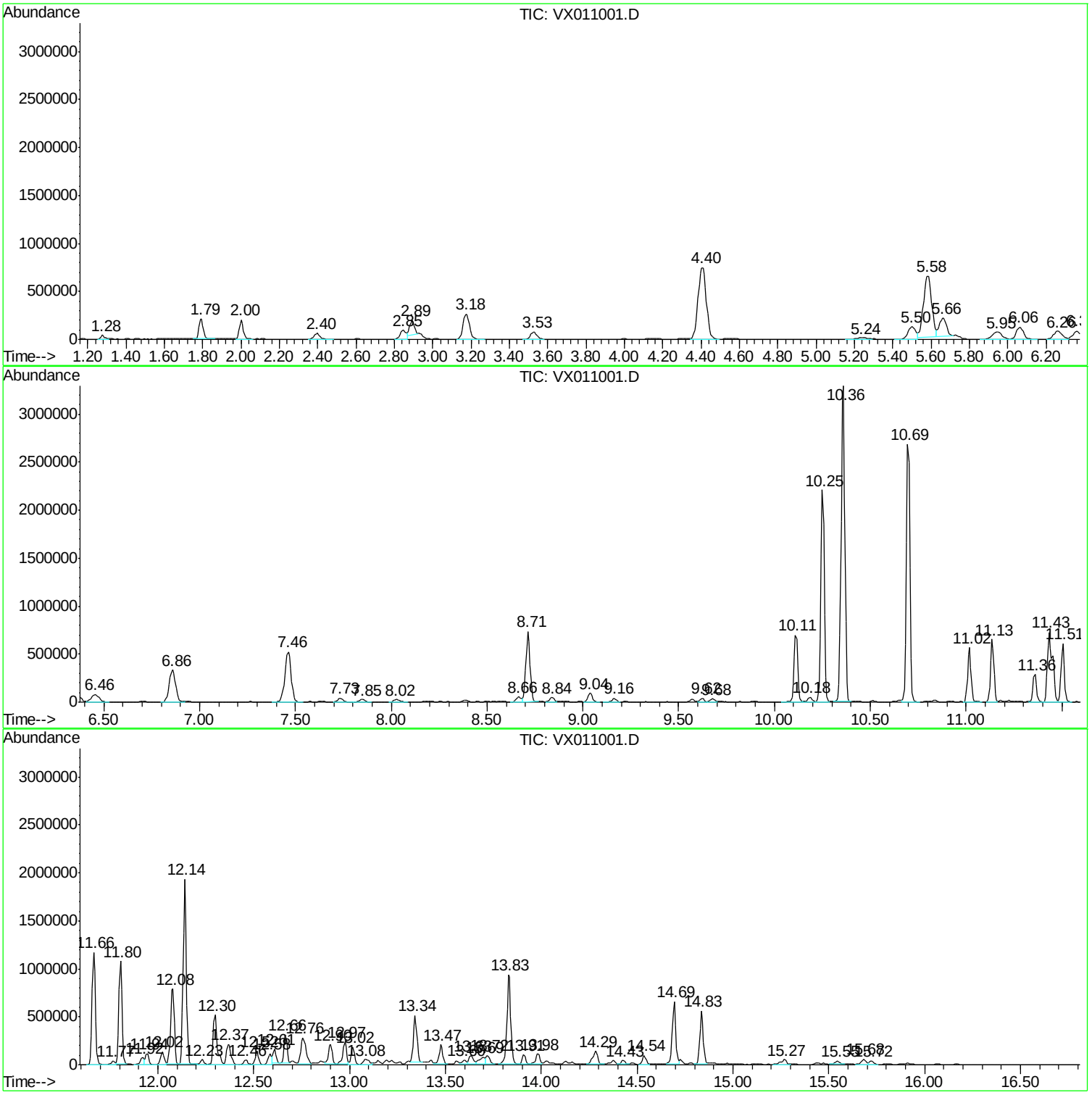
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

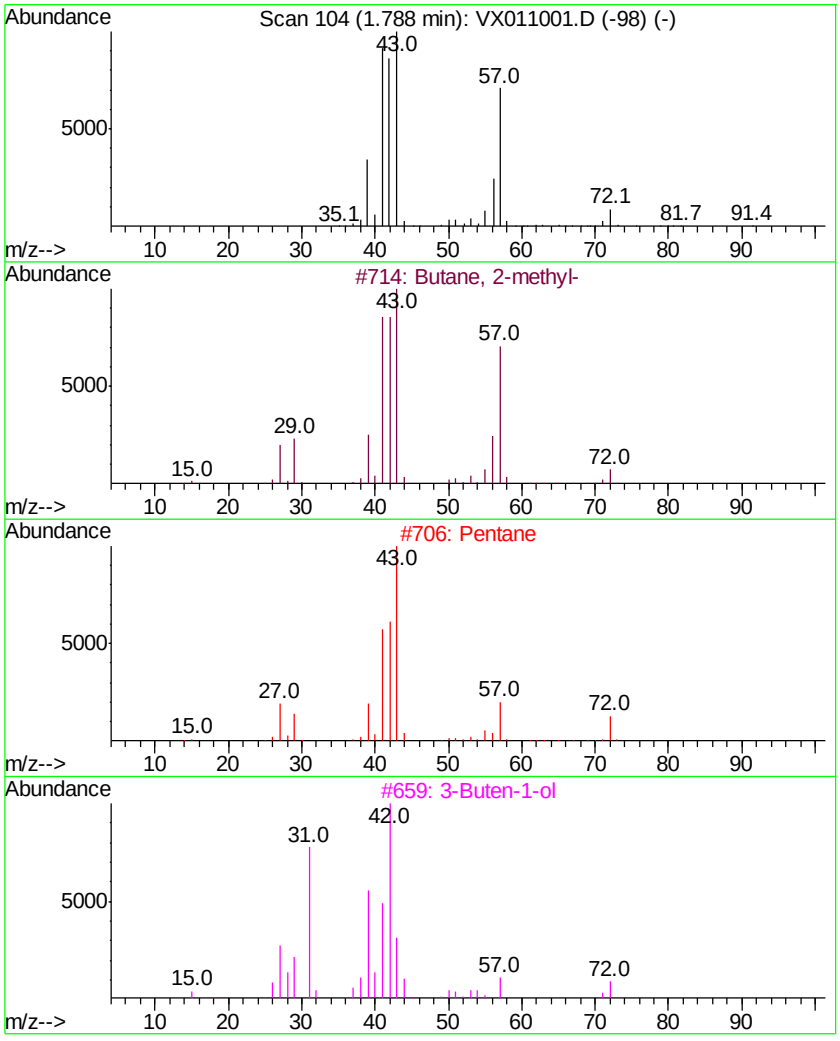
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

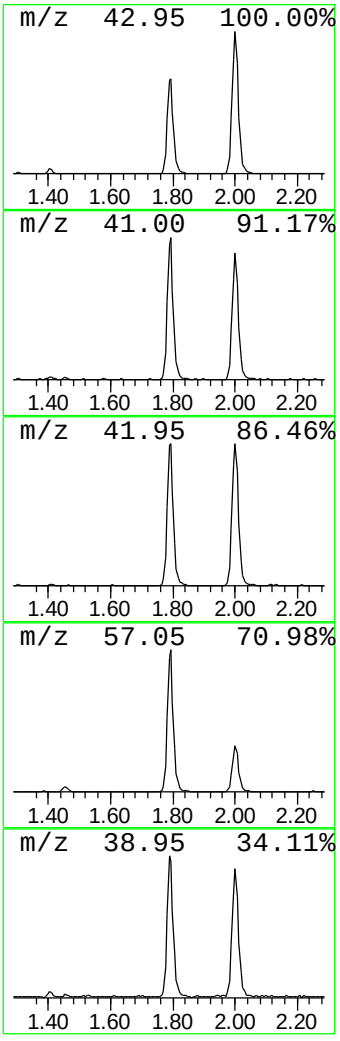
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	31.36 ug/l	304648	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Pentane	72	C5H12	000109-66-0	33
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	12
5	1-Butene	56	C4H8	000106-98-9	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

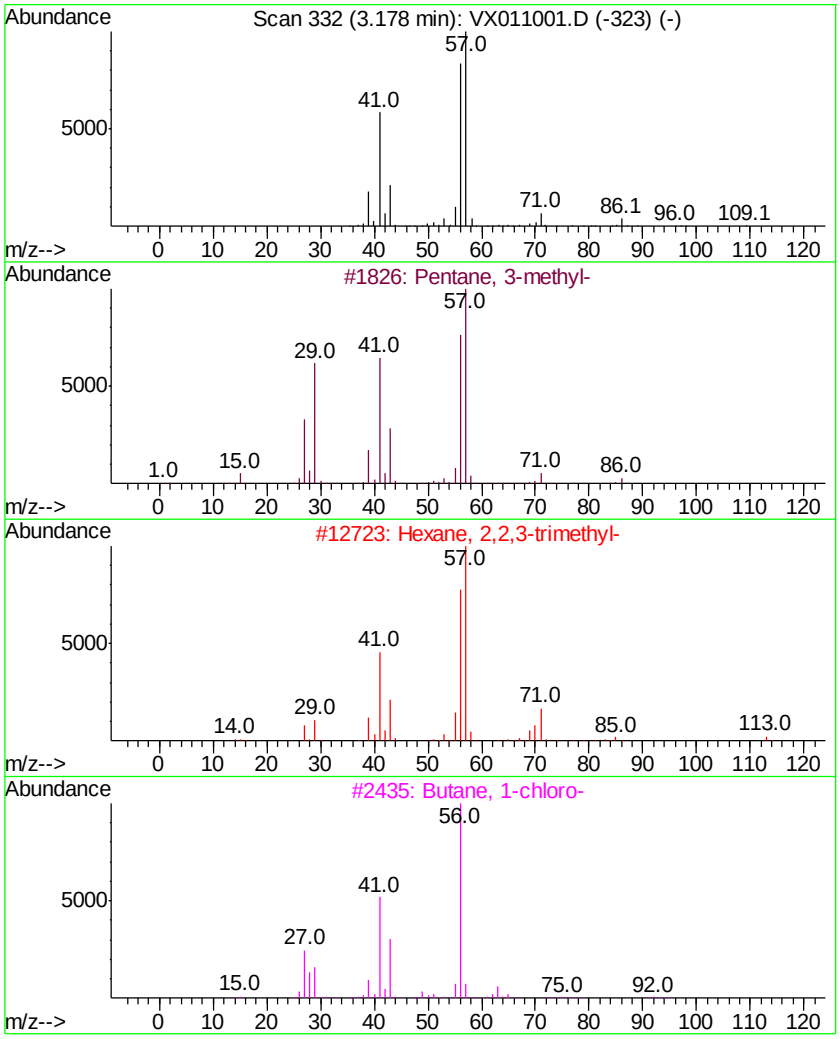
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

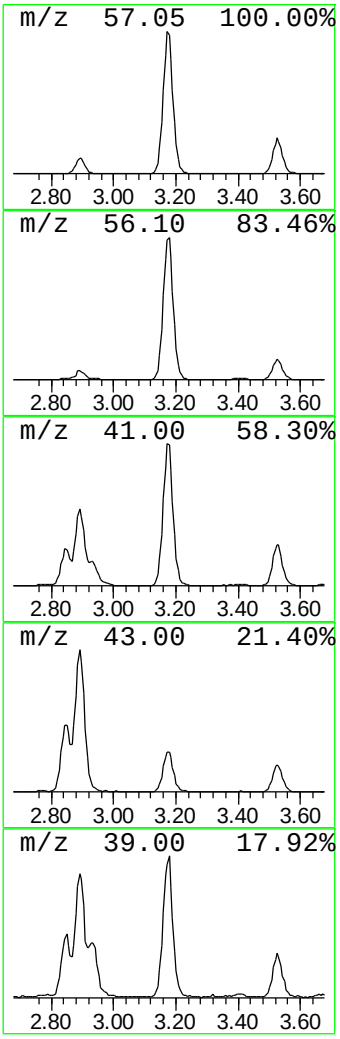
****

Peak Number 2 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	62.48 ug/l	606912	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	Butane, 1-chloro-	92	C4H9Cl	000109-69-3	42
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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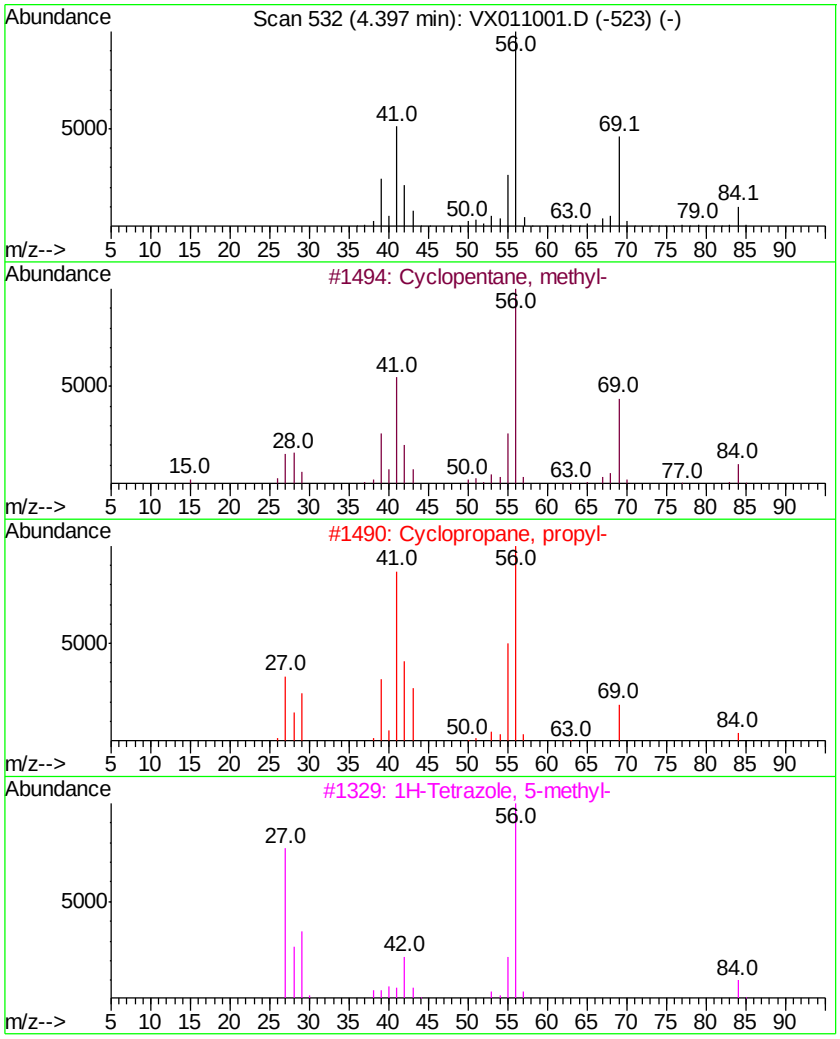
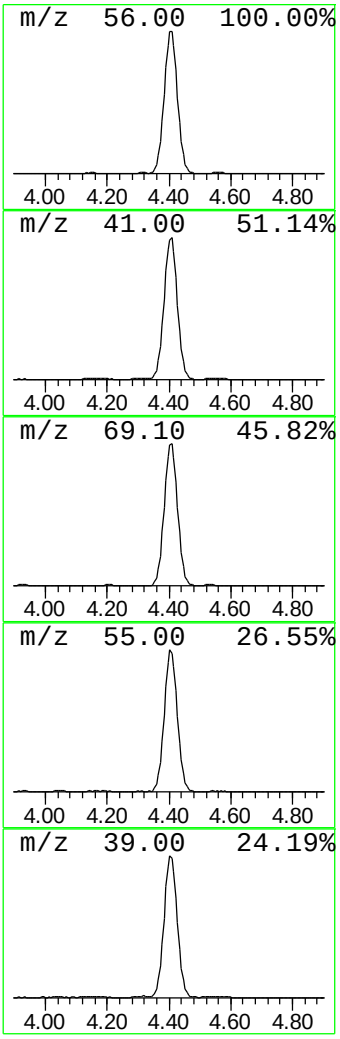
****

Peak Number 3 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	226.52 ug/l	2200470	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclohexane	84	C6H12	000110-82-7	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
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Sample : K3884-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

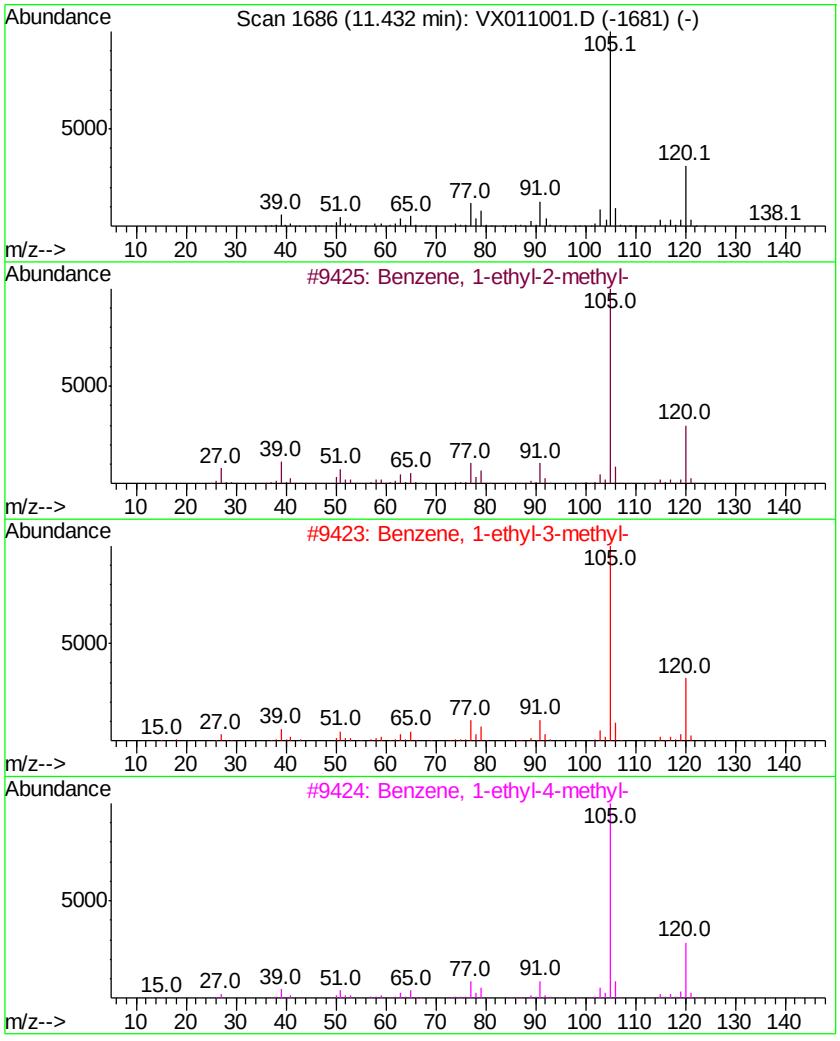
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

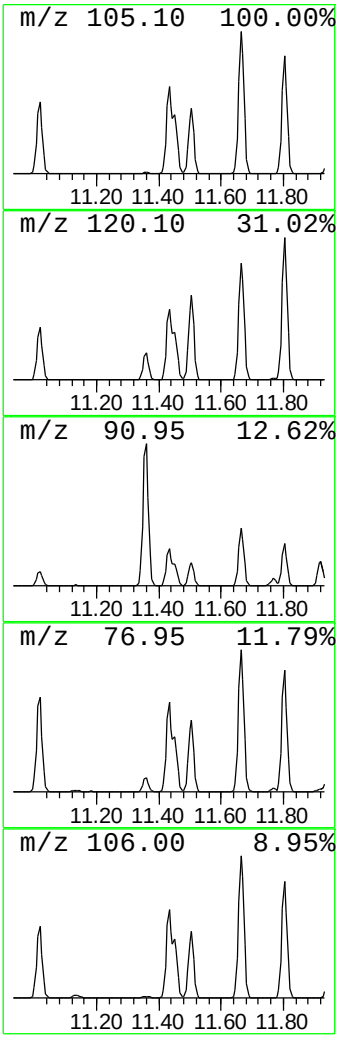
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	63.89 ug/l	1364870	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-ethyl-4-methyl-	120	C9H12	000622-96-8	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

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Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

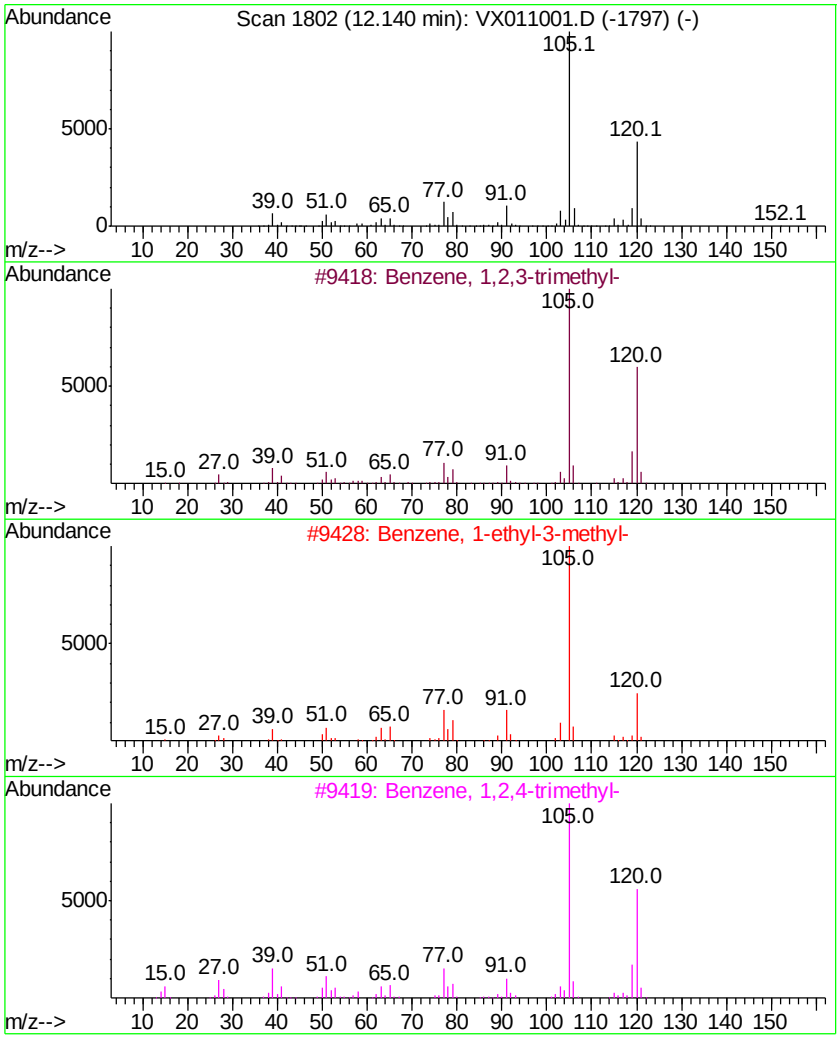
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

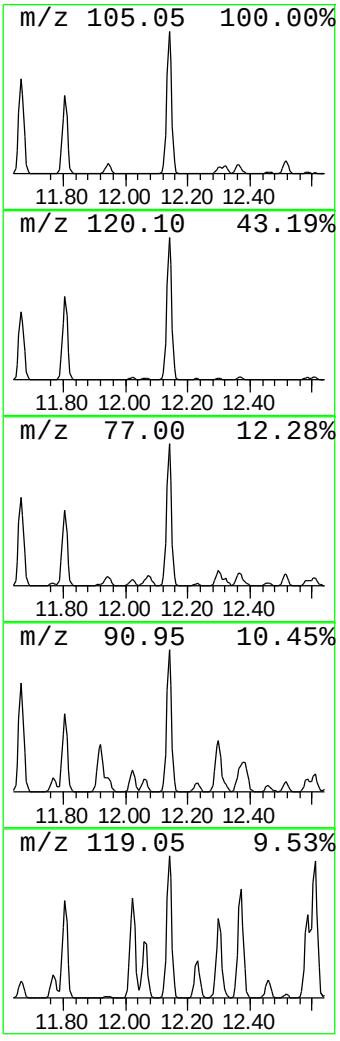
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	106.98 ug/l	2285390	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	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

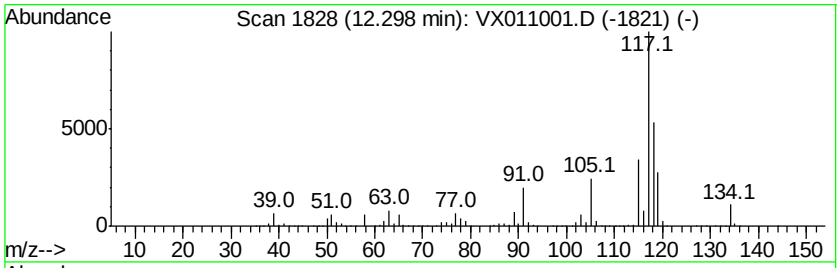
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

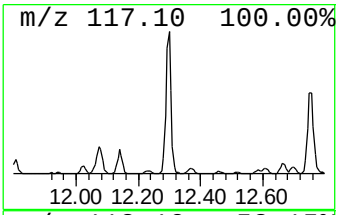
****

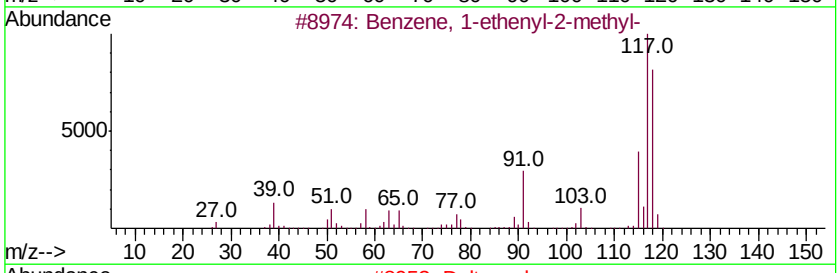
Peak Number 7 Benzene, 1-ethenyl-2-methyl- Concentration Rank 7

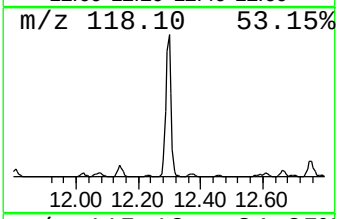
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	34.55 ug/l	738150	1,4-Dichlorobenzene-d4	12.08

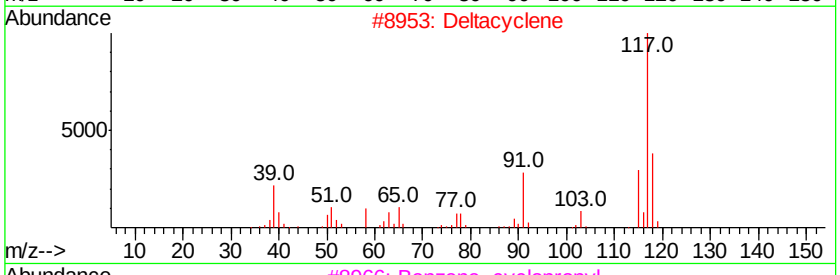
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
2	Deltacyclene	118	C9H10	007785-10-6	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Indane	118	C9H10	000496-11-7	64

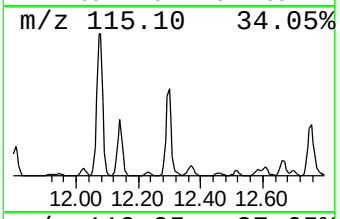


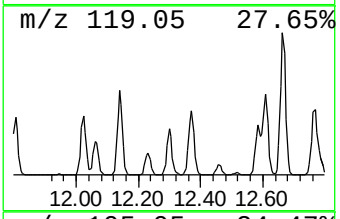


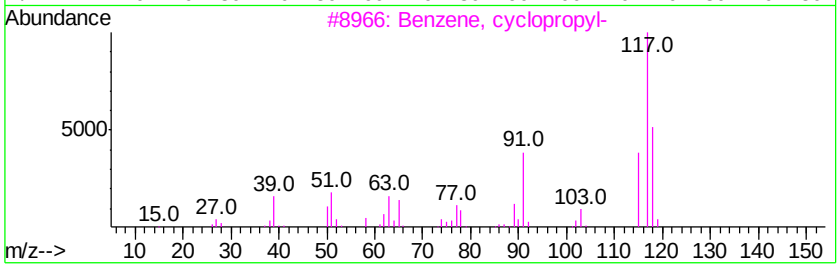


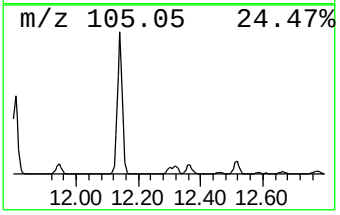












Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

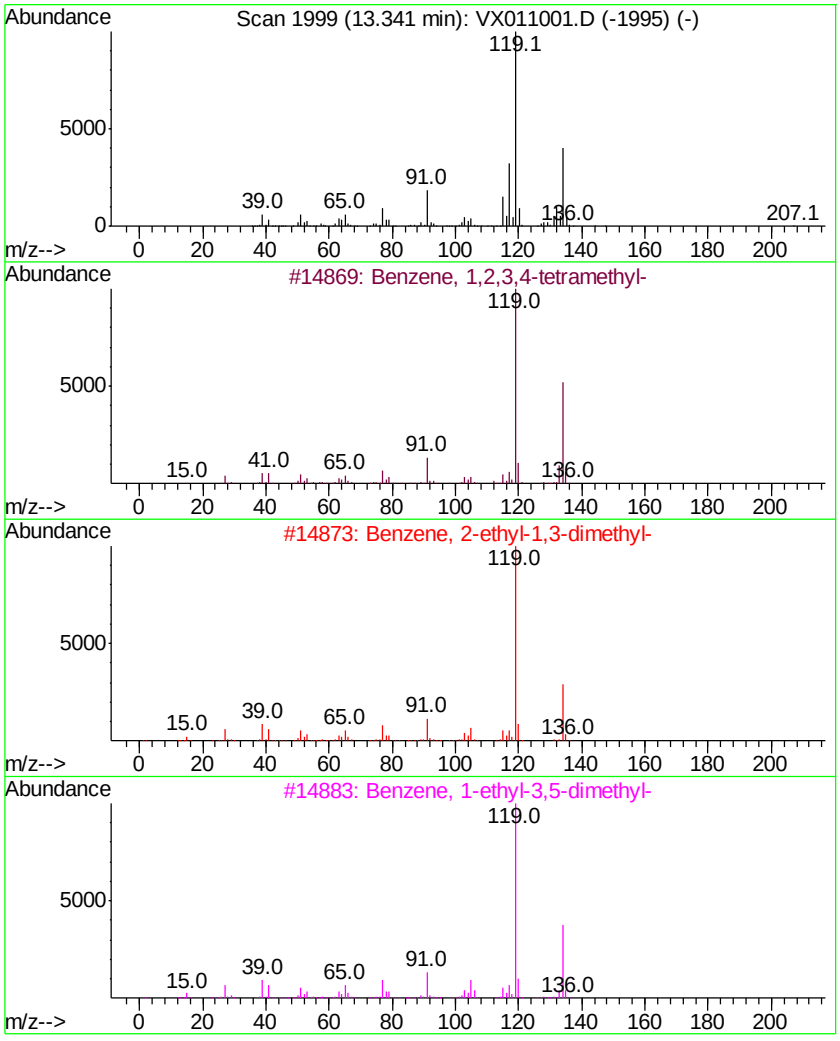
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

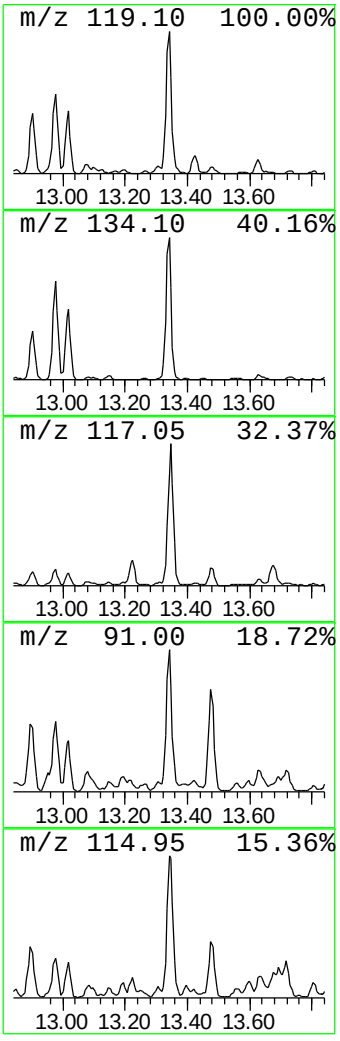
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	30.29 ug/l	647140	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-1,3-dimethyl-	134	C10H14	002870-04-4	81
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
5	o-Cymene	134	C10H14	000527-84-4	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

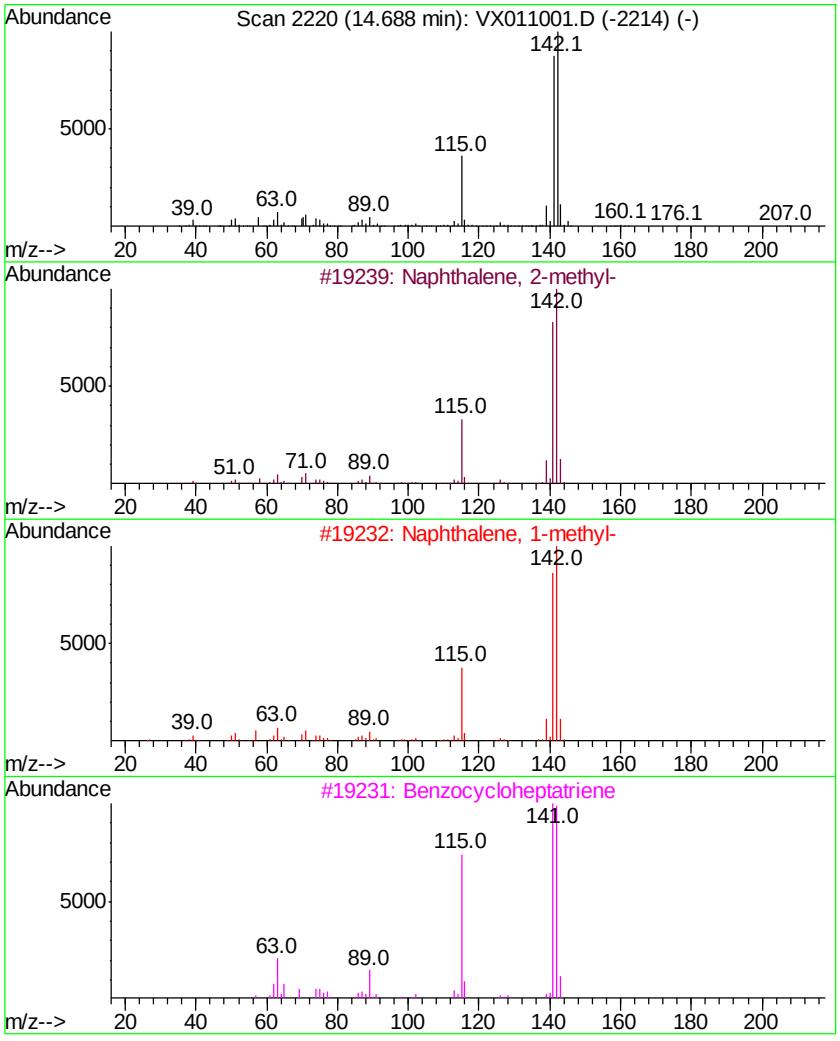
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

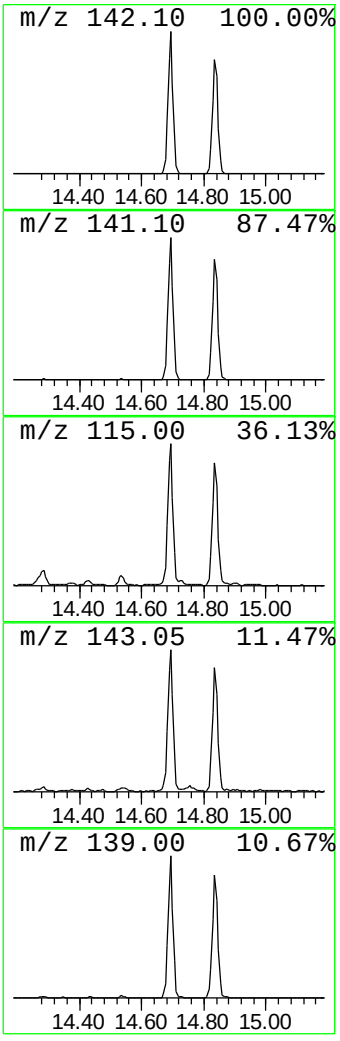
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	39.17 ug/l	836791	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	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	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\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
Sample : K3884-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0613

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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
Butane, 2-methyl-	1.79	31.4	ug/l	304648	1	5.66	485716	50.0
Pentane, 3-methyl-	3.18	62.5	ug/l	606912	1	5.66	485716	50.0
Cyclopentane, met...	4.40	226.5	ug/l	2200470	1	5.66	485716	50.0
Benzene, 1-ethyl-...	11.43	63.9	ug/l	1364870	4	12.08	1068180	50.0
Benzene, 1,2,3-tr...	12.14	107.0	ug/l	2285390	4	12.08	1068180	50.0
Benzene, 1-etheny...	12.30	34.5	ug/l	738150	4	12.08	1068180	50.0
Benzene, 1,2,3,4-...	13.34	30.3	ug/l	647140	4	12.08	1068180	50.0
Naphthalene, 1-me...	14.69	39.2	ug/l	836791	4	12.08	1068180	50.0