LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

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\82X091719W.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	1.070	26	30	42	rBV	410177	491184	11.44%	1.530%
2	1.783	141	147	157	rVB	214155	292042	6.80%	0.910%
3	1.991	176	181	189	rVB	108904	150371	3.50%	0.468%
4	2.594	272	280	288	rBV	49498	90783	2.11%	0.283%
5	2.838	312	320	324	rBV	69342	157545	3.67%	0.491%
6	2.881	324	327	336	rVB2	51825	95922	2.23%	0.299%
7	3.167	364	374	382	rBV2	57978	137058	3.19%	0.427%
8	3.515	422	431	441	rVB	38626	87060	2.03%	0.271%
9	4.393	565	575	589	rVB	232549	683031	15.90%	2.127%
10	5.490	742	755	760	rBV	107915	307741	7.17%	0.959%
11	5.569	760	768	775	rVV	239366	698530	16.27%	2.176%
12	5.655	775	782	789	rVB	177974	471805	10.99%	1.470%
13	5.929	815	827	838	rBV6	33927	117073	2.73%	0.365%
14	6.057	838	848	863	rVV	131058	347110	8.08%	1.081%
15	6.252	865	880	888	rVV3	33161	111036	2.59%	0.346%
16	6.344	888	895	904	rVV4	57891	173613	4.04%	0.541%
17	6.447	904	912	924	rVB2	55472	155545	3.62%	0.484%
18	6.850	968	978	990	rBV	312875	746124	17.37%	2.324%
19	7.459	1066	1078	1089	rBV	429194	984688	22.93%	3.067%
20	7.727	1116	1122	1131	rVB	45312	90862	2.12%	0.283%
21	8.051	1165	1175	1185	rVB4	40042	109587	2.55%	0.341%
22	8.172	1187	1195	1204	rBV2	64839	143390	3.34%	0.447%
23	8.660	1268	1275	1278	rBV2	61067	113669	2.65%	0.354%
24	8.709	1278	1283	1293	rVB	633976	1008455	23.48%	3.141%
25	8.837	1298	1304	1308	rVV	46747	84804	1.97%	0.264%
26	9.032	1331	1336	1343	rVB	75655	125245	2.92%	0.390%
27	9.160	1348	1357	1363	rBV	38998	66642	1.55%	0.208%
28	9.569	1418	1424	1428	rBV3	29640	49199	1.15%	0.153%
29	9.617	1428	1432	1437	rVV	54611	77389	1.80%	0.241%
30	9.672	1437	1441	1446	rVV	56823	81938	1.91%	0.255%
31	10.111	1507	1513	1519	rBV	603922	813991	18.95%	2.535%
32	10.184	1520	1525	1530	rVB	38608	56642	1.32%	0.176%
33	10.245	1530	1535	1541	rBV	534751	704799	16.41%	2.195%
34	10.355	1544	1553	1560	rBV	2899740	3912946	91.11%	12.188%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

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\82X091719W.M
Title : SW846 8260

35	11.013	1656	1661	1672	rBV	710957	891499	20.76%	2.777%
36	11.135	1675	1681	1686	rBV	481664	624589	14.54%	1.945%
37	11.355	1712	1717	1724	rBV	612438	738385	17.19%	2.300%
38	11.428	1724	1729	1731	rBV	1505447	1953518	45.49%	6.085%
39	11.501	1737	1741	1749	rVB	1220205	1481580	34.50%	4.615%
40	11.666	1762	1768	1776	rBV	1337368	1647744	38.37%	5.132%
41	11.806	1785	1791	1796	rVB	3440840	4294605	100.00%	13.376%
42	11.940	1810	1813	1818	rVB	74545	92074	2.14%	0.287%
43	12.019	1821	1826	1830	rBV	105416	131858	3.07%	0.411%
44	12.074	1830	1835	1840	rVV2	599351	793891	18.49%	2.473%
45	12.135	1840	1845	1851	rVB	1385119	1775331	41.34%	5.530%
46	12.294	1865	1871	1879	rBV2	295762	506702	11.80%	1.578%
47	12.367	1879	1883	1892	rVB4	182833	283675	6.61%	0.884%
48	12.458	1892	1898	1902	rBV	42219	58593	1.36%	0.182%
49	12.513	1902	1907	1914	rVB	126277	154825	3.61%	0.482%
50	12.580	1914	1918	1920	rBV	109487	140828	3.28%	0.439%
51	12.605	1920	1922	1926	rVV	141865	155278	3.62%	0.484%
52	12.666	1927	1932	1935	rVV	151160	186543	4.34%	0.581%
53	12.696	1935	1937	1942	rVB	54465	60940	1.42%	0.190%
54	12.751	1942	1946	1954	rBV3	136254	252310	5.88%	0.786%
55	12.897	1965	1970	1975	rVB2	90087	127406	2.97%	0.397%
56	12.970	1975	1982	1986	rBV	94597	136668	3.18%	0.426%
57	13.013	1986	1989	1995	rVB	153402	188627	4.39%	0.588%
58	13.080	1995	2000	2005	rBV3	29142	58305	1.36%	0.182%
59	13.342	2039	2043	2049	rVB2	258213	361859	8.43%	1.127%
60	13.476	2060	2065	2071	rVB	116101	147669	3.44%	0.460%
61	13.635	2087	2091	2096	rBV3	38069	67740	1.58%	0.211%
62	13.714	2102	2104	2110	rVB2	41184	60535	1.41%	0.189%
63	13.830	2115	2123	2130	rVB	351858	462536	10.77%	1.441%
64	14.281	2190	2197	2202	rVB4	30281	65558	1.53%	0.204%
65	14.690	2254	2264	2269	rBV	196620	265214	6.18%	0.826%
66	14.836	2283	2288	2296	rBV	146741	201213	4.69%	0.627%

Sum of corrected areas: 32105917

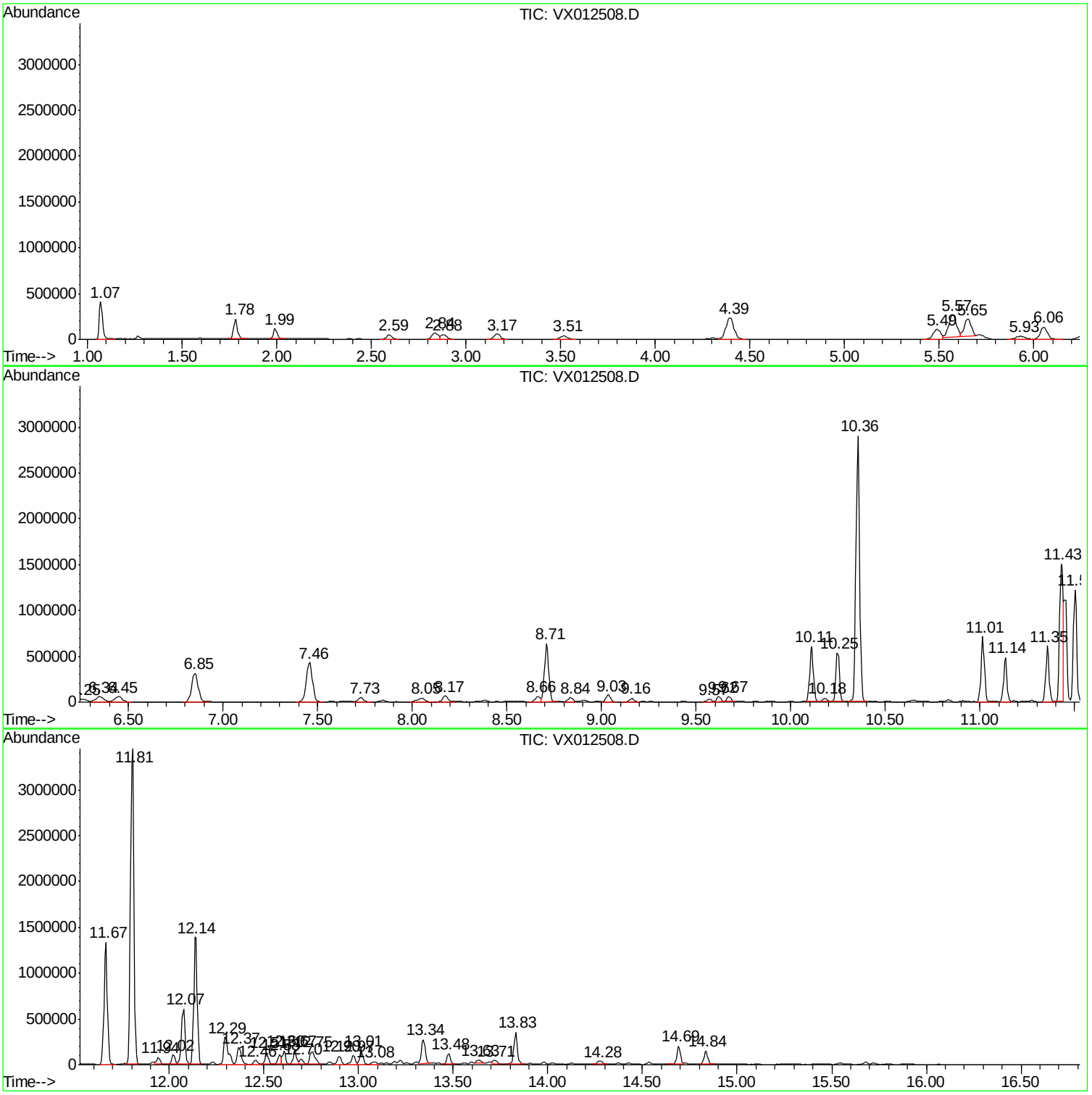
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.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\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

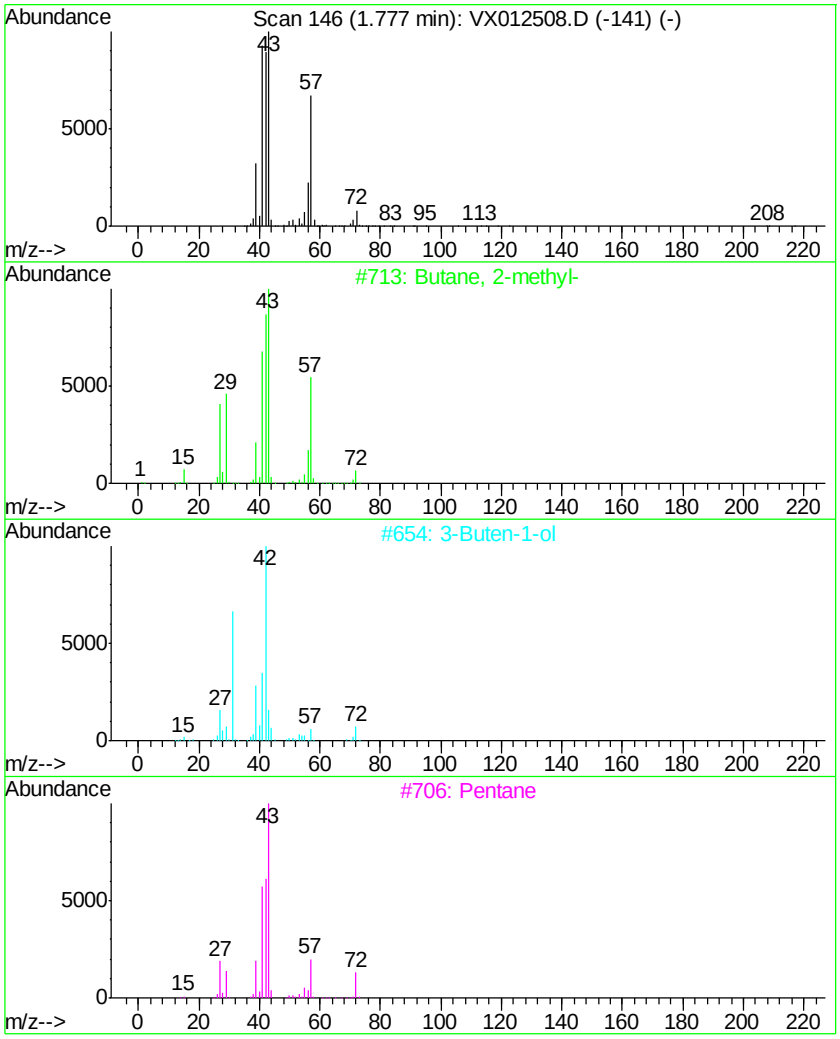
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

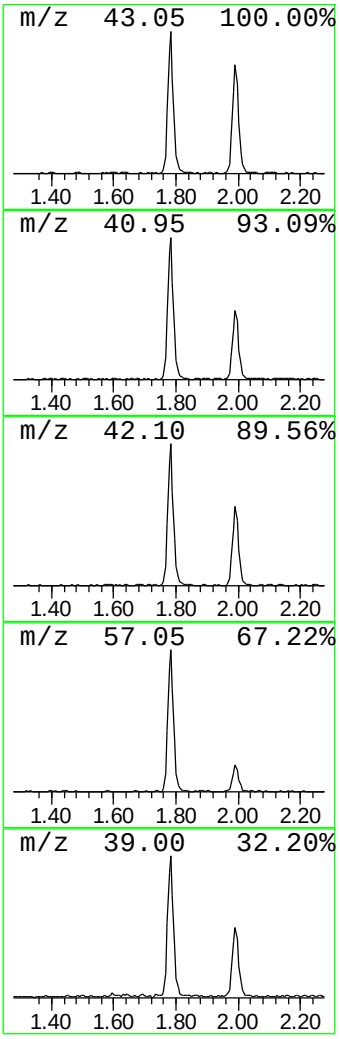
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	30.95 ug/l	292042	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	2,5-Furandione, dihydro-3-methyl-	114	C5H6O3	004100-80-5	23
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	14





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

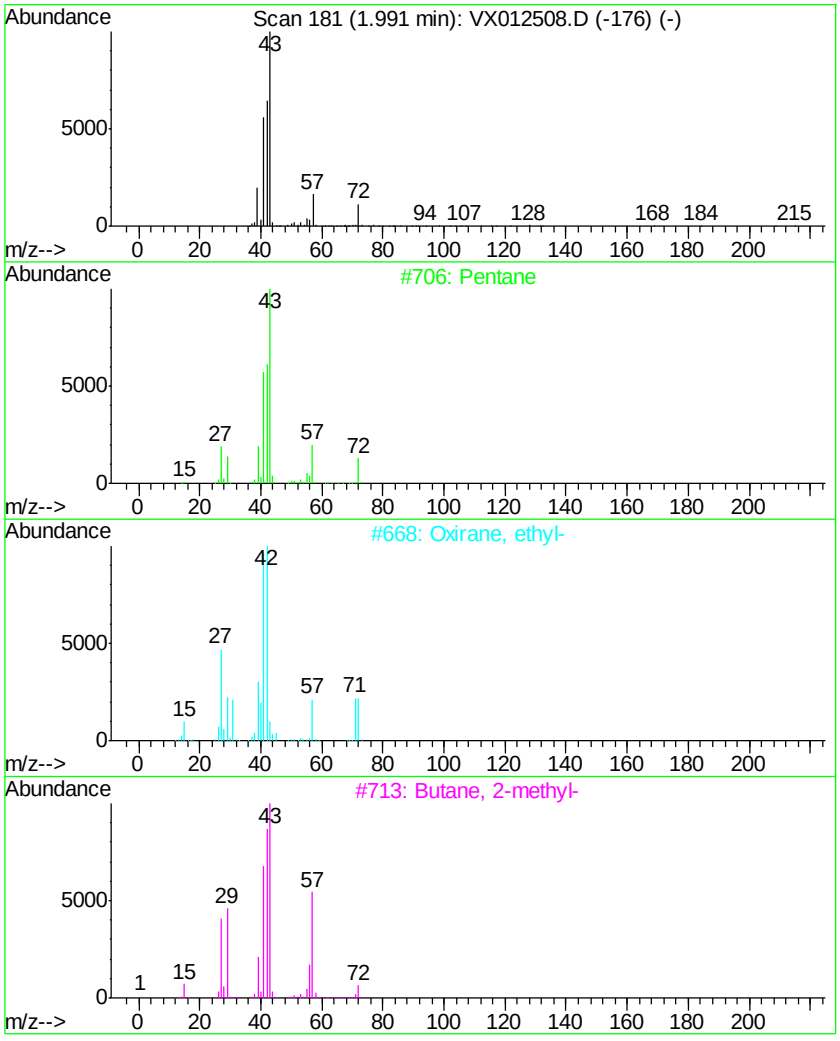
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

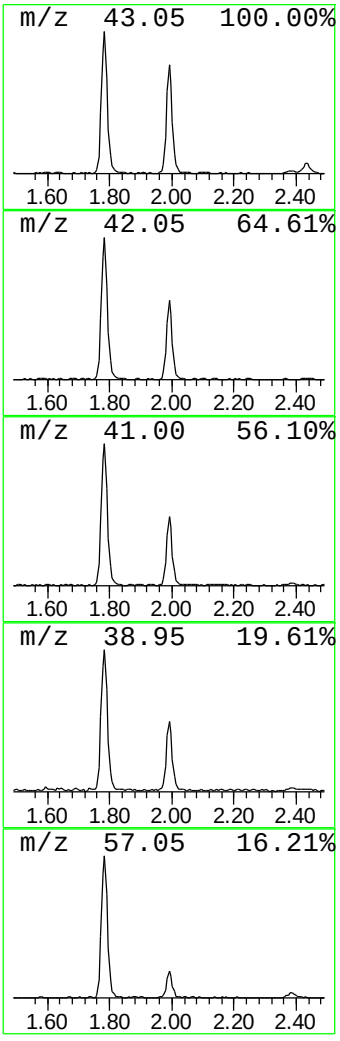
****

Peak Number 3 Pentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	15.94 ug/l	150371	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	40
3	Butane, 2-methyl-	72	C5H12	000078-78-4	38
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	17
5	Isobutyl nitrite	103	C4H9NO2	000542-56-3	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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

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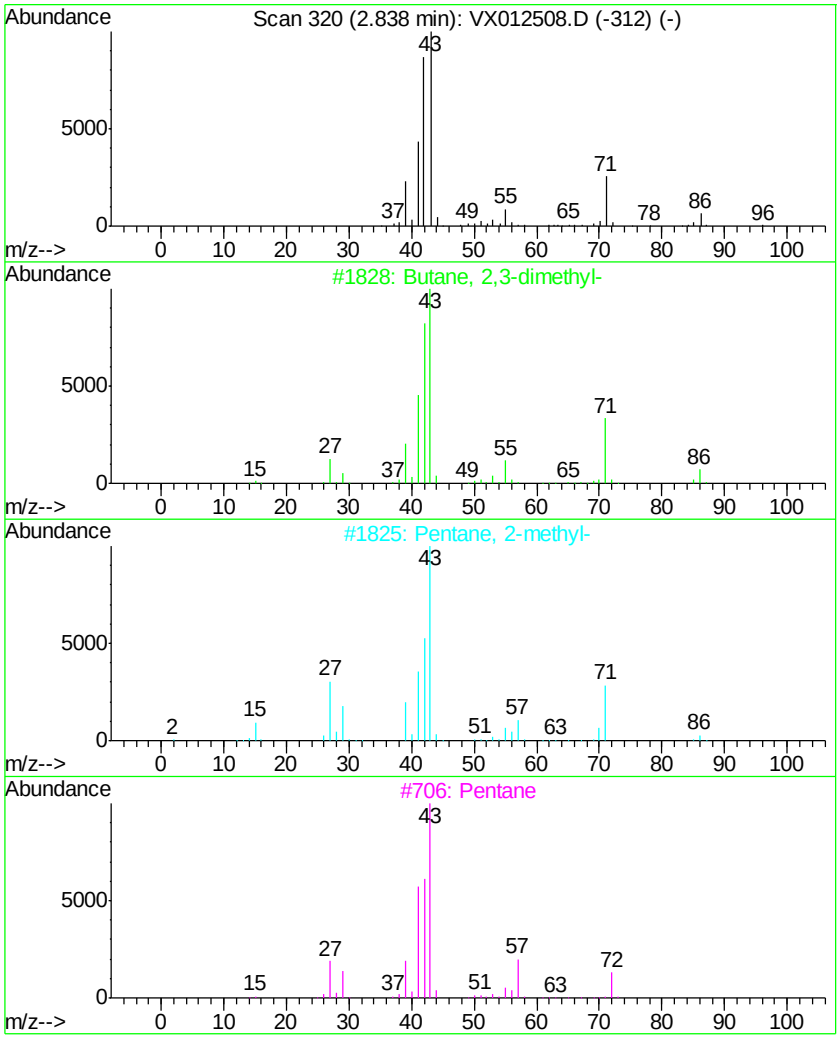
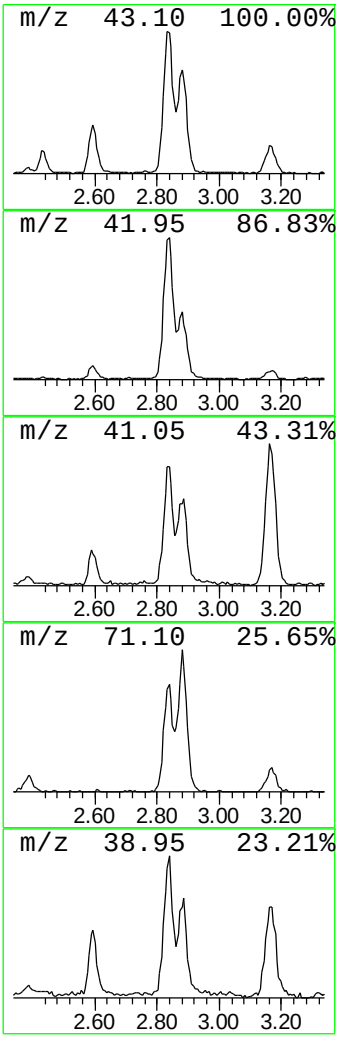
Peak Number 4 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	16.70 ug/l	157545	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	40
3	Pentane	72	C5H12	000109-66-0	38
4	Tetrahydrofuran	72	C4H8O	000109-99-9	38
5	C2H5C(CH3)2COCH3	114	C7H14O	020669-04-9	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

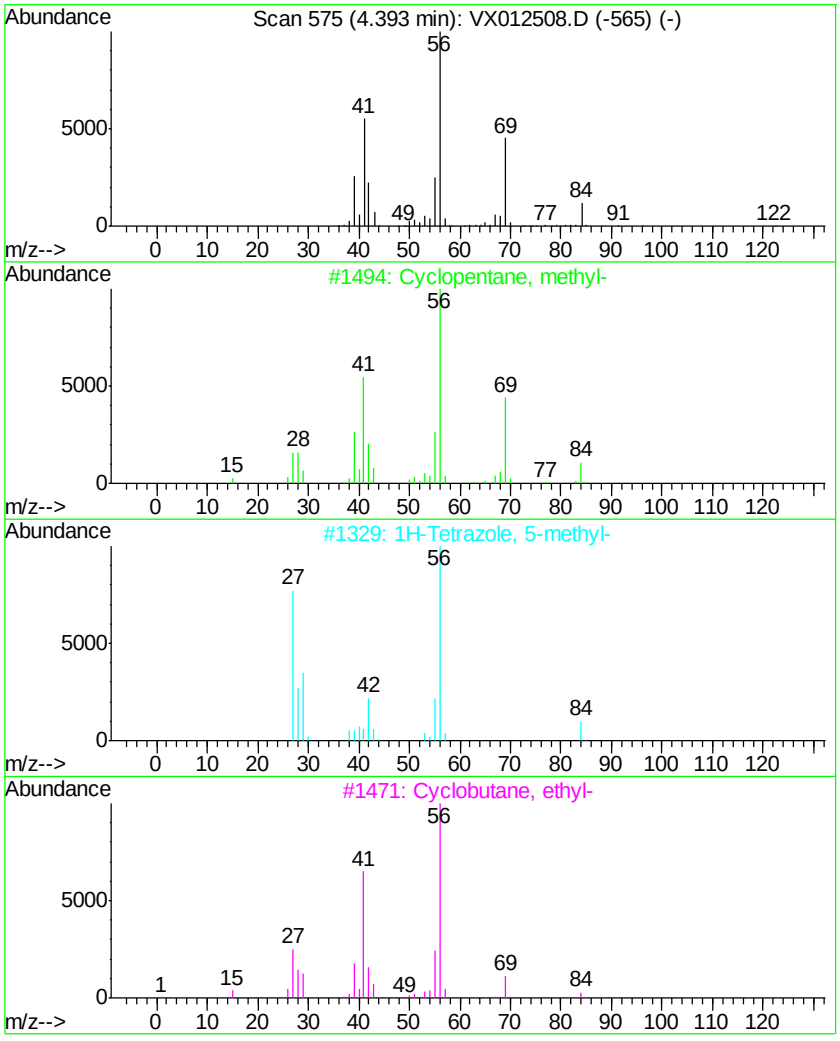
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

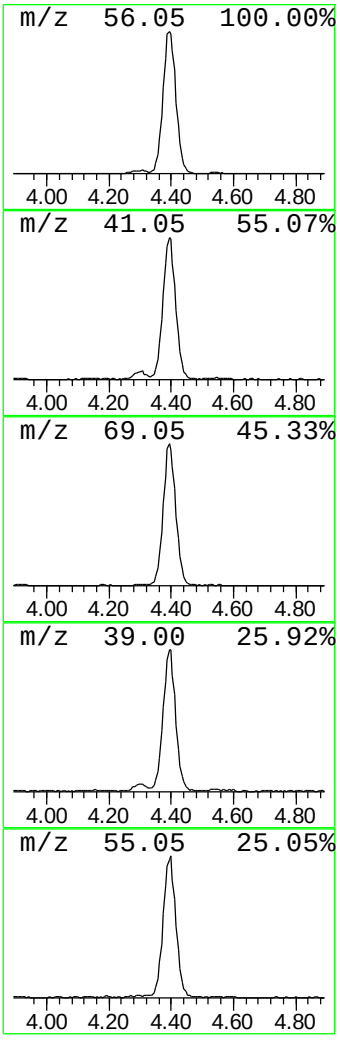
****

Peak Number 5 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	72.38 ug/l	683031	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
5	Cyclobutane	56	C4H8	000287-23-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

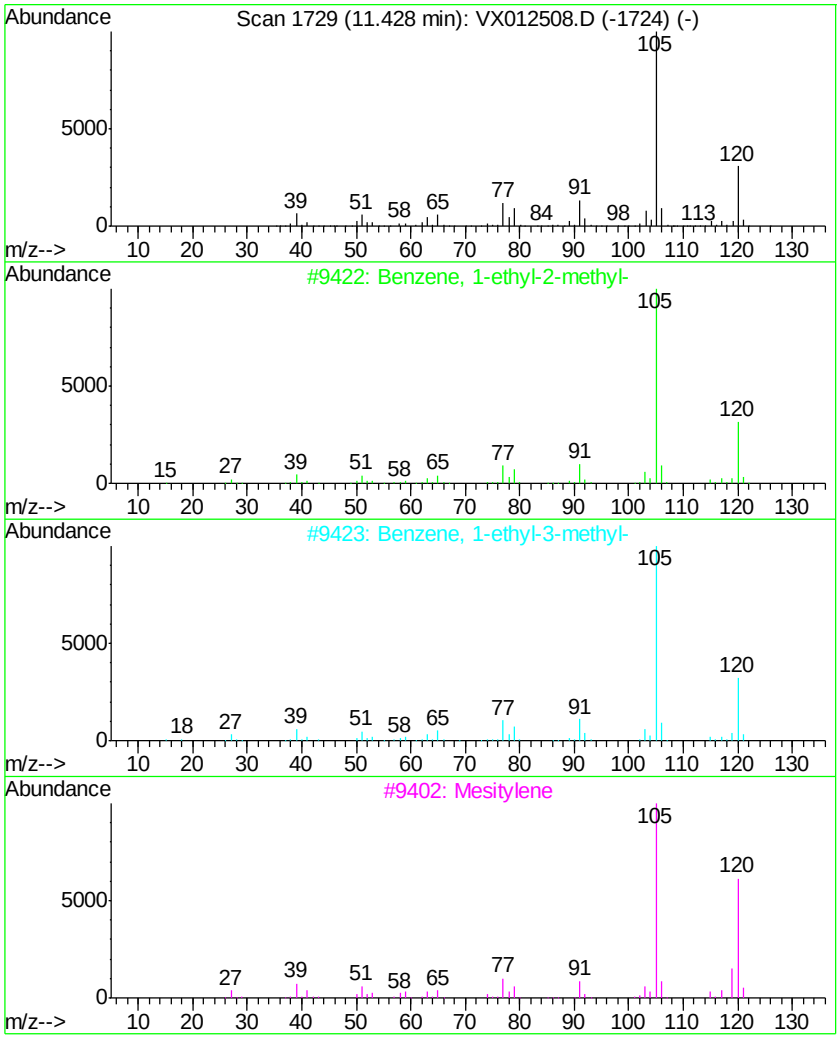
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

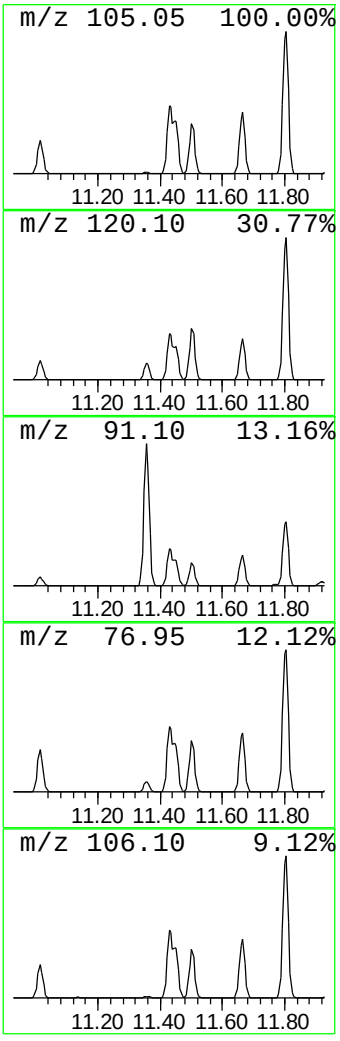
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	123.03 ug/l	1953520	1,4-Dichlorobenzene-d4	12.07

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	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

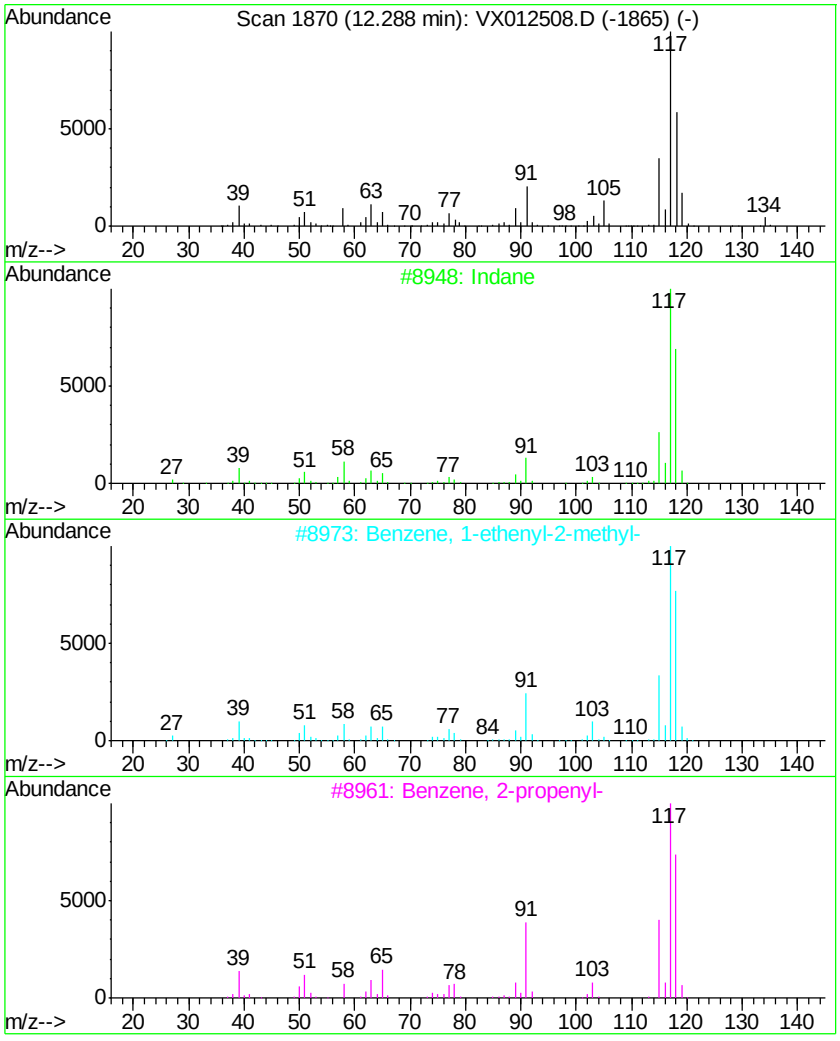
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

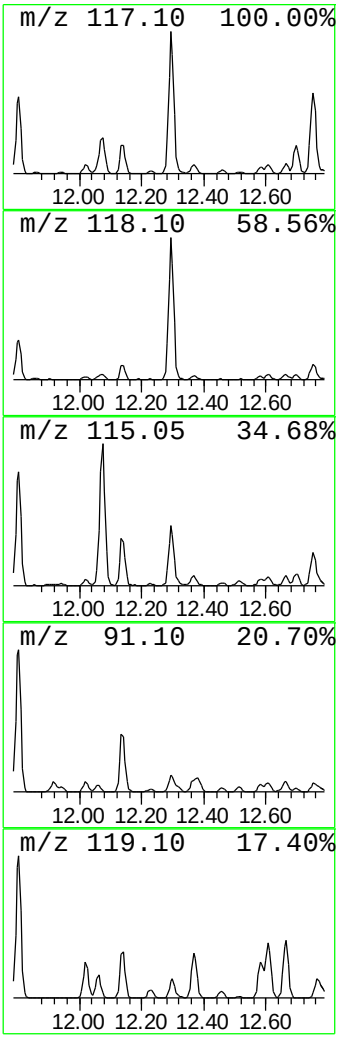
****

Peak Number 8 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	31.91 ug/l	506702	1,4-Dichlorobenzene-d4	12.07

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

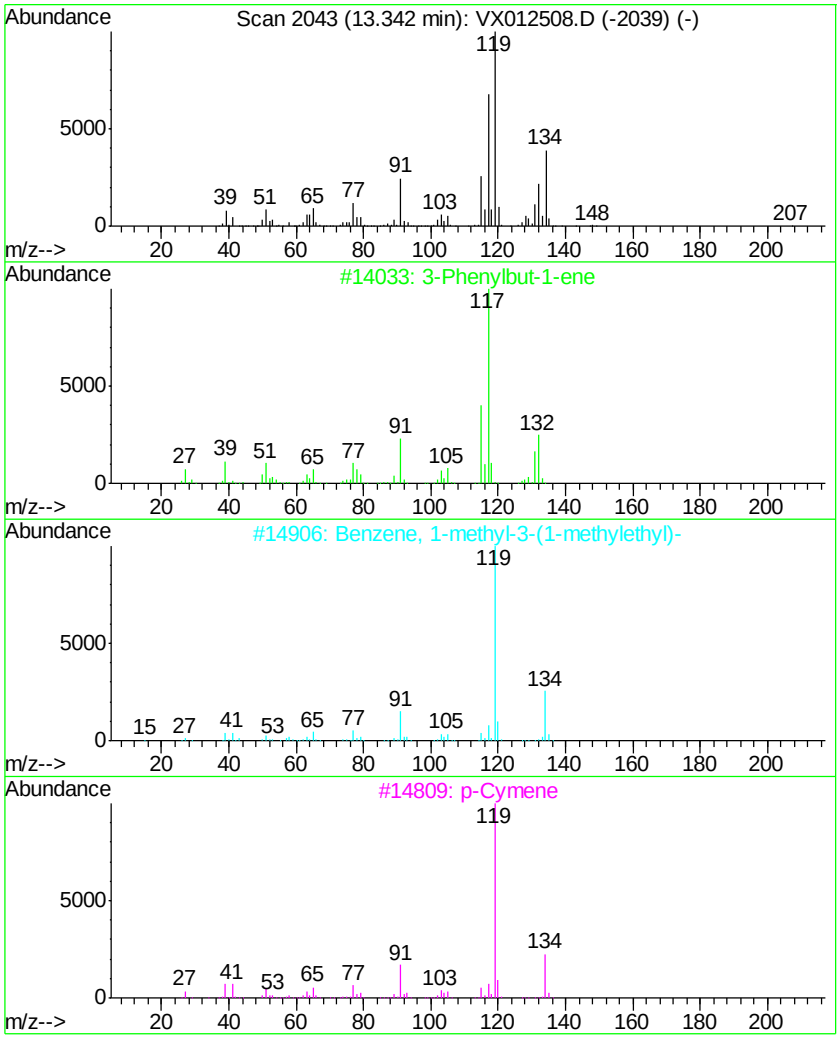
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

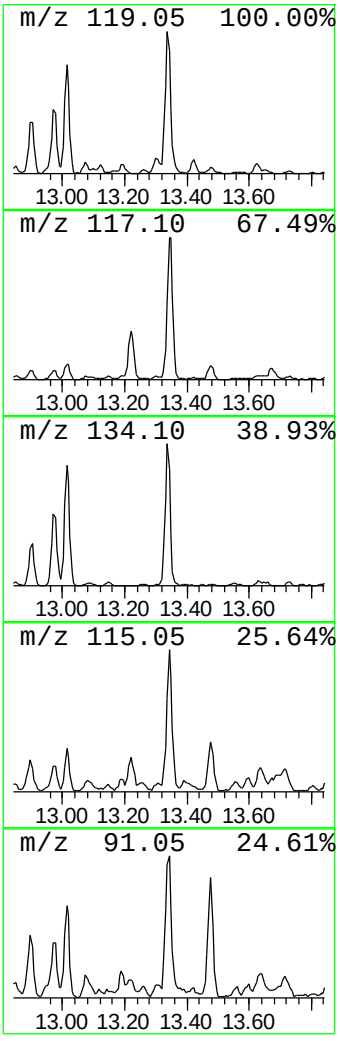
****

Peak Number 9 3-Phenylbut-1-ene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	22.79 ug/l	361859	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
3	p-Cymene	134	C10H14	000099-87-6	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

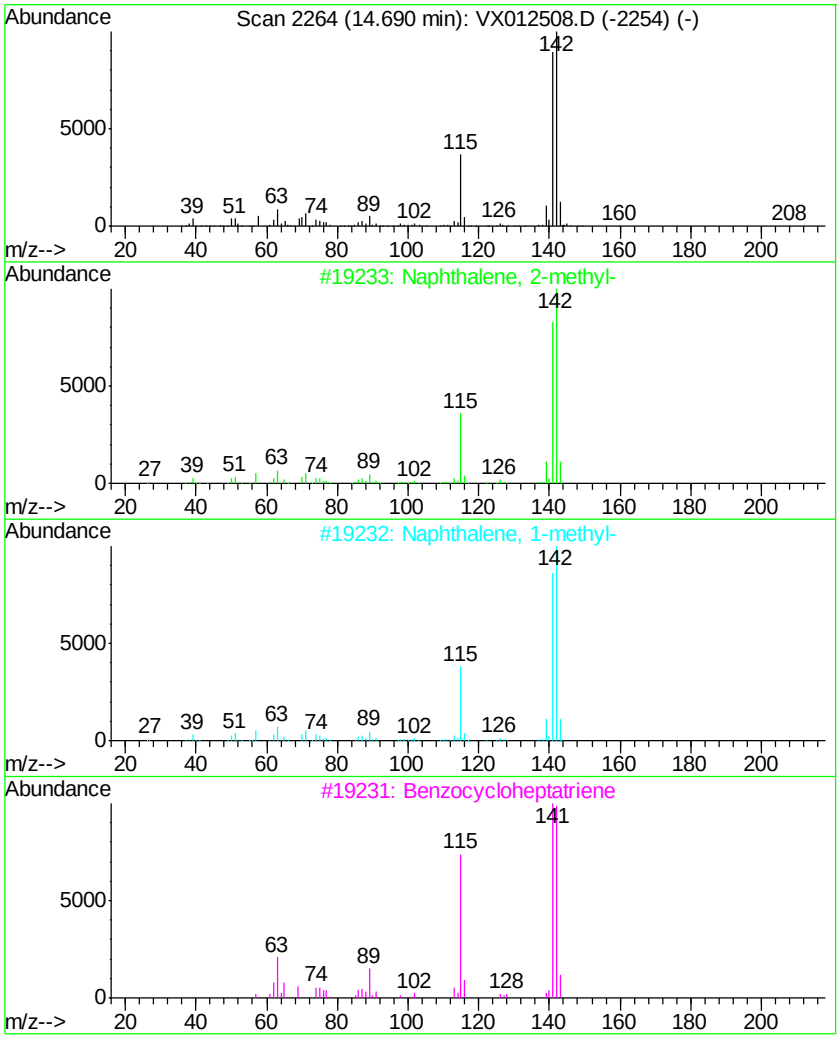
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

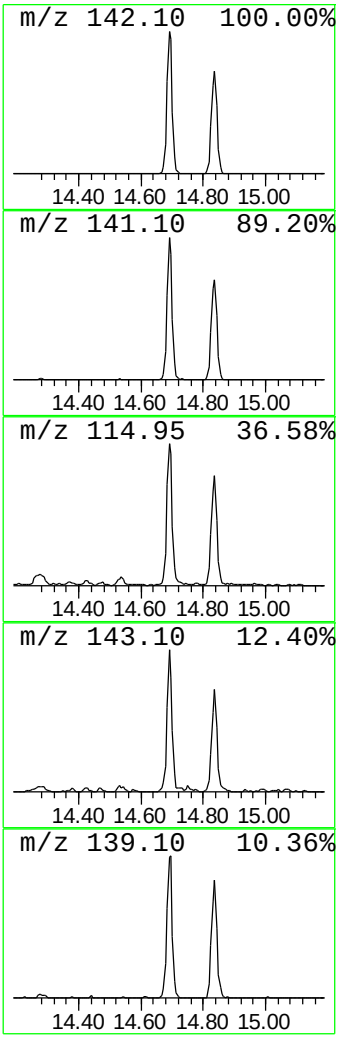
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	16.70 ug/l	265214	1,4-Dichlorobenzene-d4	12.07

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	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091819\
Data File : VX012508.D
Acq On : 19 Sep 2019 05:24
Operator : JC/SP
Sample : K4887-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0157

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.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-	1.78	30.9	ug/l	292042	1	5.65	471805	50.0
Pentane	1.99	15.9	ug/l	150371	1	5.65	471805	50.0
Butane, 2,3-dimet...	2.84	16.7	ug/l	157545	1	5.65	471805	50.0
Cyclopentane, met...	4.39	72.4	ug/l	683031	1	5.65	471805	50.0
Benzene, 1-ethyl-...	11.43	123.0	ug/l	1953520	4	12.07	793891	50.0
Indane	12.29	31.9	ug/l	506702	4	12.07	793891	50.0
3-Phenylbut-1-ene	13.34	22.8	ug/l	361859	4	12.07	793891	50.0
Naphthalene, 1-me...	14.69	16.7	ug/l	265214	4	12.07	793891	50.0