LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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	442561	541663	3.90%	0.539%
2	1.783	141	147	159	rVB	572365	810792	5.83%	0.807%
3	1.991	175	181	188	rBV	229890	309763	2.23%	0.308%
4	2.838	310	320	323	rBV	153752	331138	2.38%	0.330%
5	2.881	323	327	332	rVB	116465	215359	1.55%	0.214%
6	3.161	364	373	385	rBV	156949	352762	2.54%	0.351%
7	3.515	422	431	446	rBV	74489	165607	1.19%	0.165%
8	4.393	565	575	590	rVB	525010	1537300	11.06%	1.531%
9	5.490	742	755	759	rBV2	110428	298597	2.15%	0.297%
10	5.569	759	768	777	rVV	704467	2281212	16.41%	2.272%
11	5.655	777	782	788	rVV	219186	603406	4.34%	0.601%
12	5.716	788	792	808	rVB2	101706	289977	2.09%	0.289%
13	5.929	815	827	839	rBV5	105500	368244	2.65%	0.367%
14	6.051	839	847	863	rVV	133612	358286	2.58%	0.357%
15	6.252	867	880	888	rVV3	117544	357519	2.57%	0.356%
16	6.350	888	896	904	rVV4	146831	434053	3.12%	0.432%
17	6.447	904	912	927	rVB2	212811	602046	4.33%	0.600%
18	6.850	968	978	988	rBV	319278	757022	5.45%	0.754%
19	7.459	1065	1078	1091	rBV	1763016	4002270	28.80%	3.986%
20	7.727	1115	1122	1132	rVB	183953	362425	2.61%	0.361%
21	8.051	1165	1175	1186	rVB2	72627	200906	1.45%	0.200%
22	8.172	1186	1195	1204	rBV2	129023	293064	2.11%	0.292%
23	8.660	1267	1275	1278	rBV	195150	337122	2.43%	0.336%
24	8.709	1278	1283	1294	rVB	651994	1091961	7.86%	1.087%
25	8.837	1298	1304	1308	rBV	135710	225921	1.63%	0.225%
26	9.038	1331	1337	1344	rVB	217678	367070	2.64%	0.366%
27	9.160	1347	1357	1363	rBV	119166	191636	1.38%	0.191%
28	9.569	1418	1424	1428	rBV3	103469	166344	1.20%	0.166%
29	9.617	1428	1432	1437	rVV	247218	346110	2.49%	0.345%
30	9.672	1437	1441	1446	rVV	218853	314200	2.26%	0.313%
31	10.111	1508	1513	1518	rBV	612245	811604	5.84%	0.808%
32	10.184	1518	1525	1529	rVB	158963	228235	1.64%	0.227%
33	10.251	1529	1536	1545	rBV	8674502	11517907	82.87%	11.470%
34	10.361	1545	1554	1560	rVV	9418594	12204418	87.81%	12.154%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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

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Title : SW846 8260

35	10.642	1591	1600	1606	rBV3	56097	151292	1.09%	0.151%
36	10.831	1619	1631	1638	rBV3	100613	177351	1.28%	0.177%
37	11.013	1656	1661	1670	rBV	2405272	2952207	21.24%	2.940%
38	11.135	1676	1681	1685	rBV	494005	626909	4.51%	0.624%
39	11.355	1712	1717	1724	rBV	2287397	2742159	19.73%	2.731%
40	11.452	1727	1733	1743	rVB	3535382	4336205	31.20%	4.318%
41	11.666	1762	1768	1777	rBV	4703261	5868501	42.22%	5.844%
42	11.806	1786	1791	1796	rVB	11634692	13899056	100.00%	13.842%
43	11.940	1810	1813	1821	rVB	318681	427207	3.07%	0.425%
44	12.068	1829	1834	1840	rVB3	746738	1242095	8.94%	1.237%
45	12.141	1840	1846	1851	rBV	3971157	4889189	35.18%	4.869%
46	12.227	1855	1860	1865	rVB	153789	193749	1.39%	0.193%
47	12.294	1865	1871	1876	rBV	1461984	1811676	13.03%	1.804%
48	12.361	1876	1882	1892	rVB2	404478	688987	4.96%	0.686%
49	12.458	1892	1898	1903	rBV	254672	335476	2.41%	0.334%
50	12.513	1903	1907	1913	rBV	662225	788907	5.68%	0.786%
51	12.580	1913	1918	1920	rVV	645574	809549	5.82%	0.806%
52	12.605	1920	1922	1927	rVV	775132	845561	6.08%	0.842%
53	12.666	1927	1932	1935	rVV	809570	993990	7.15%	0.990%
54	12.696	1935	1937	1942	rVV	303529	349185	2.51%	0.348%
55	12.751	1942	1946	1953	rVB2	747106	1183397	8.51%	1.178%
56	12.897	1965	1970	1975	rVB2	490221	646354	4.65%	0.644%
57	12.970	1975	1982	1986	rVV	465315	640943	4.61%	0.638%
58	13.013	1986	1989	1995	rVV	912822	1072483	7.72%	1.068%
59	13.080	1995	2000	2006	rVB2	97584	145040	1.04%	0.144%
60	13.220	2020	2023	2026	rVB	196370	204573	1.47%	0.204%
61	13.342	2038	2043	2048	rVB2	1388089	1887566	13.58%	1.880%
62	13.476	2060	2065	2073	rVB	478721	579313	4.17%	0.577%
63	13.635	2087	2091	2096	rBV4	139505	245111	1.76%	0.244%
64	13.720	2102	2105	2113	rVB2	159527	259535	1.87%	0.258%
65	13.830	2114	2123	2130	rBV	2341903	3006705	21.63%	2.994%
66	14.269	2190	2195	2201	rVB2	103765	210933	1.52%	0.210%
67	14.690	2257	2264	2275	rVB	1159918	1449436	10.43%	1.443%
68	14.836	2281	2288	2298	rVB	734166	965621	6.95%	0.962%
69	15.543	2398	2404	2409	rBV2	112110	185801	1.34%	0.185%
70	15.683	2421	2427	2430	rBV	116087	187727	1.35%	0.187%
71	15.720	2430	2433	2439	rVB	94486	139803	1.01%	0.139%

LSC Area Percent Report

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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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

Sum of corrected areas: 100415531

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
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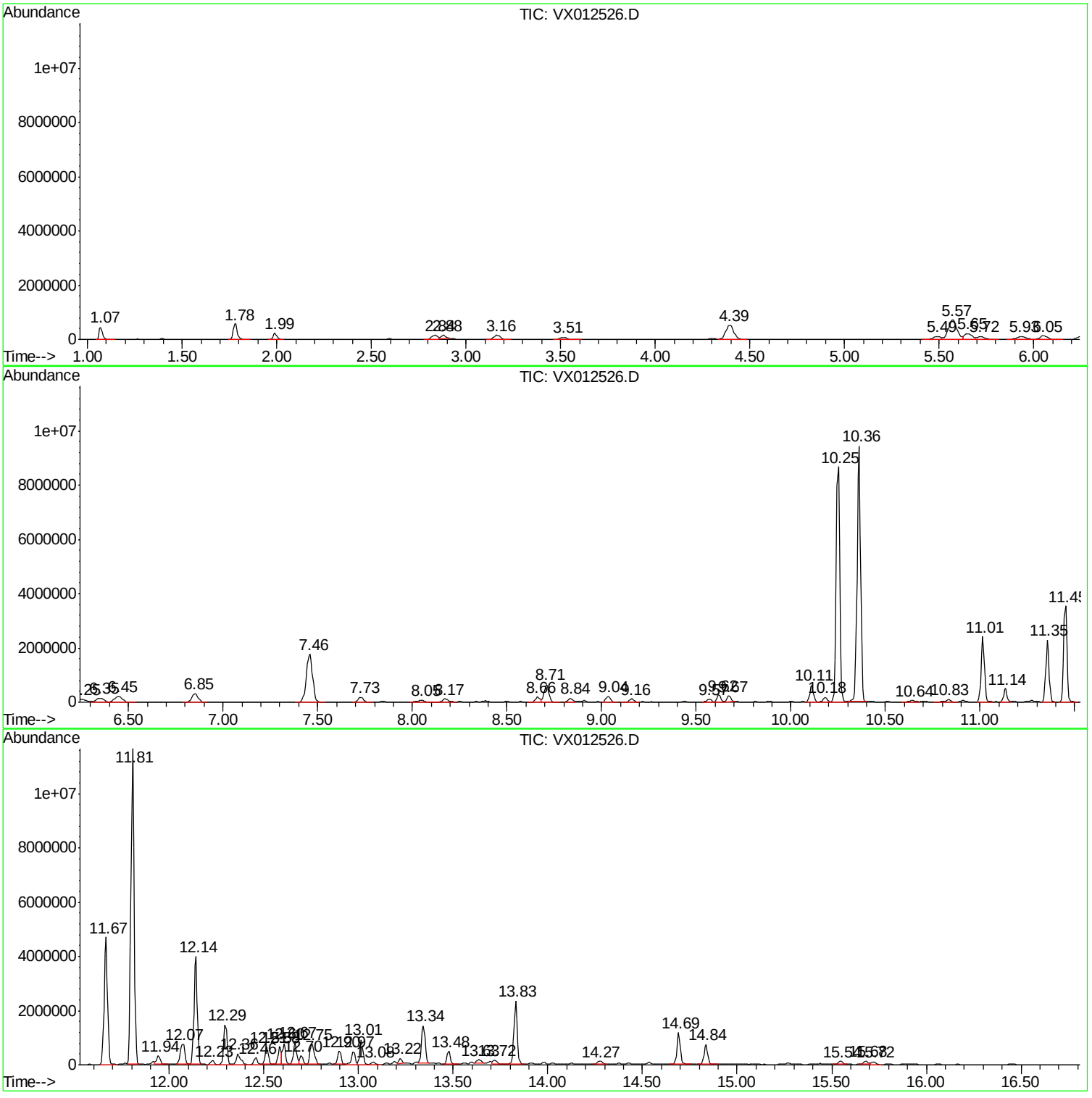
Instrument :
MSVOA_X
ClientSampleId :
Z2-0159

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\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA X/WATER
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Instrument : MSVOA_X
ClientSampleId : Z2-0159

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

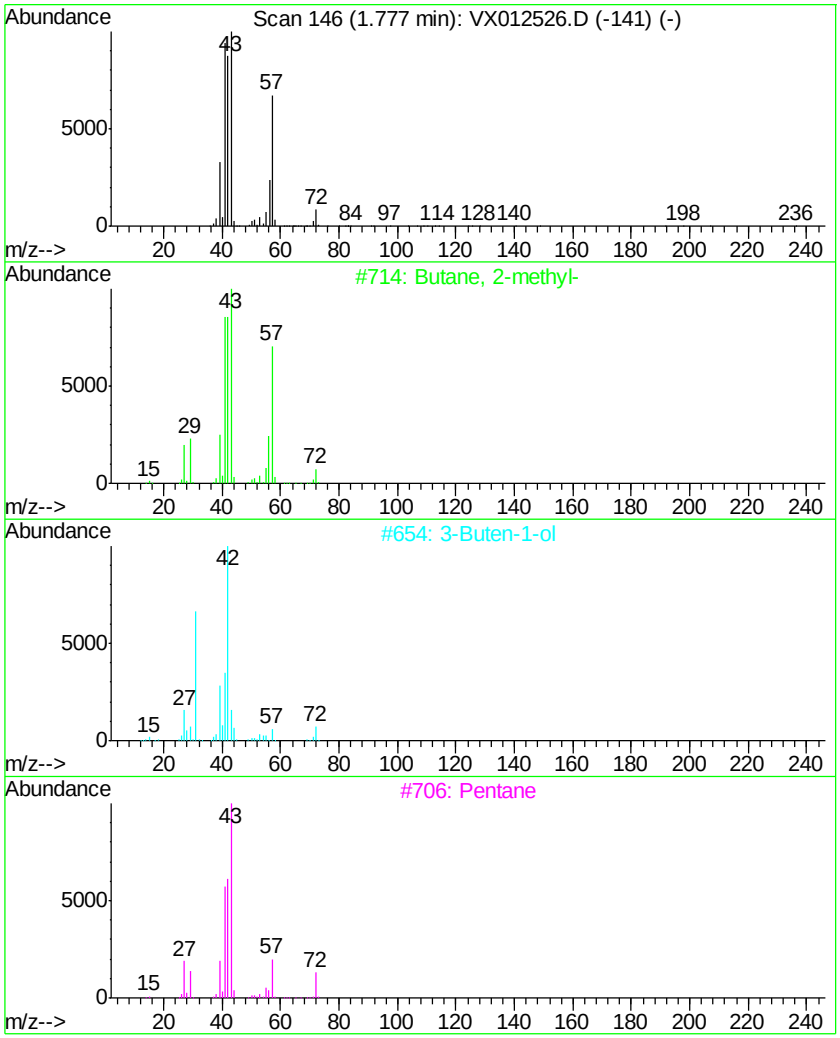
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

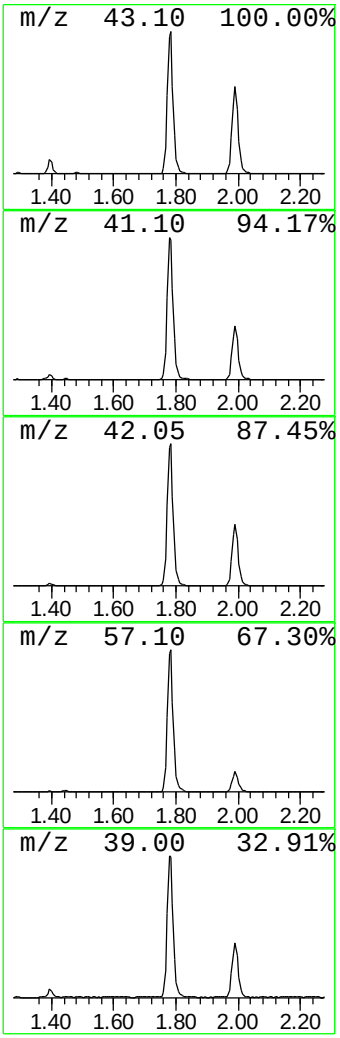
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	67.18 ug/l	810792	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	38
3	Pentane	72	C5H12	000109-66-0	36
4	1-Butene	56	C4H8	000106-98-9	14
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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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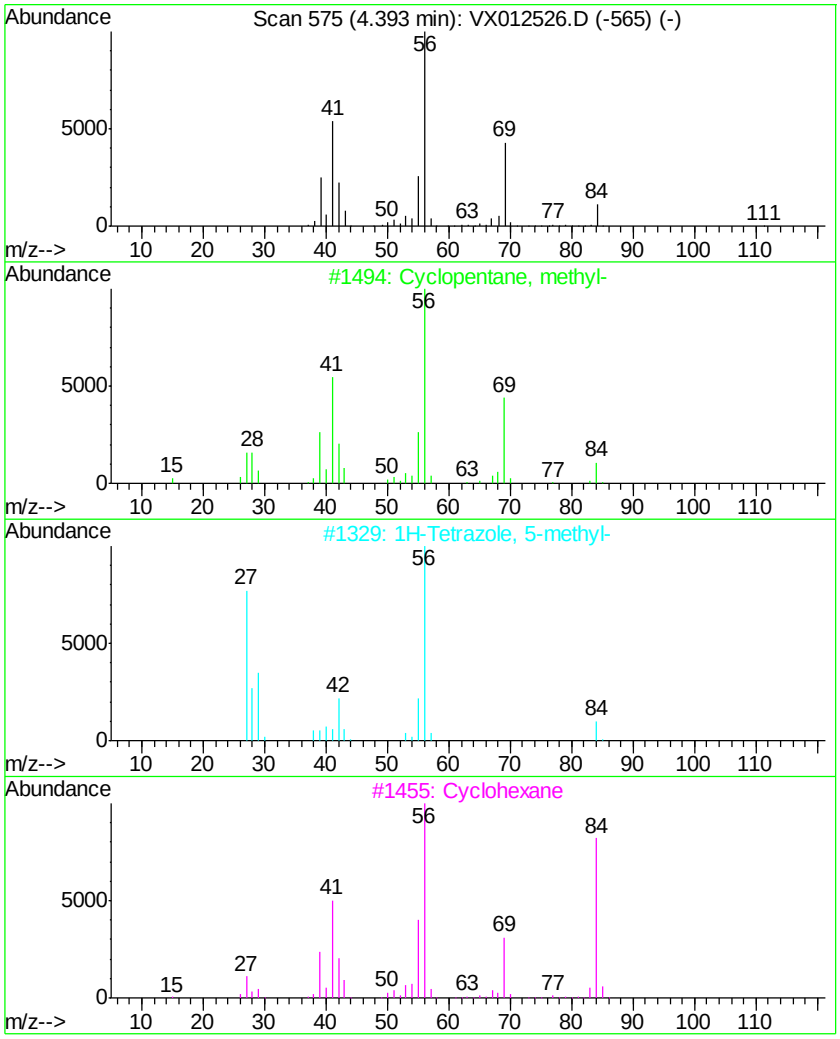
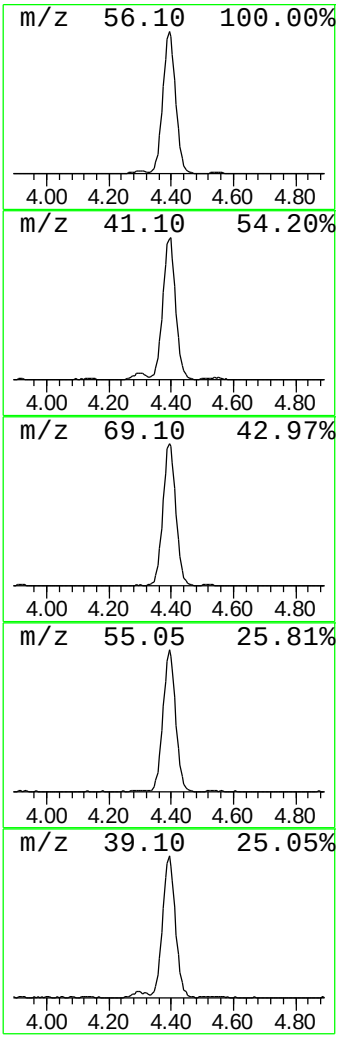
Peak Number 3 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	127.39 ug/l	1537300	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	Cyclohexane	84	C6H12	000110-82-7	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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

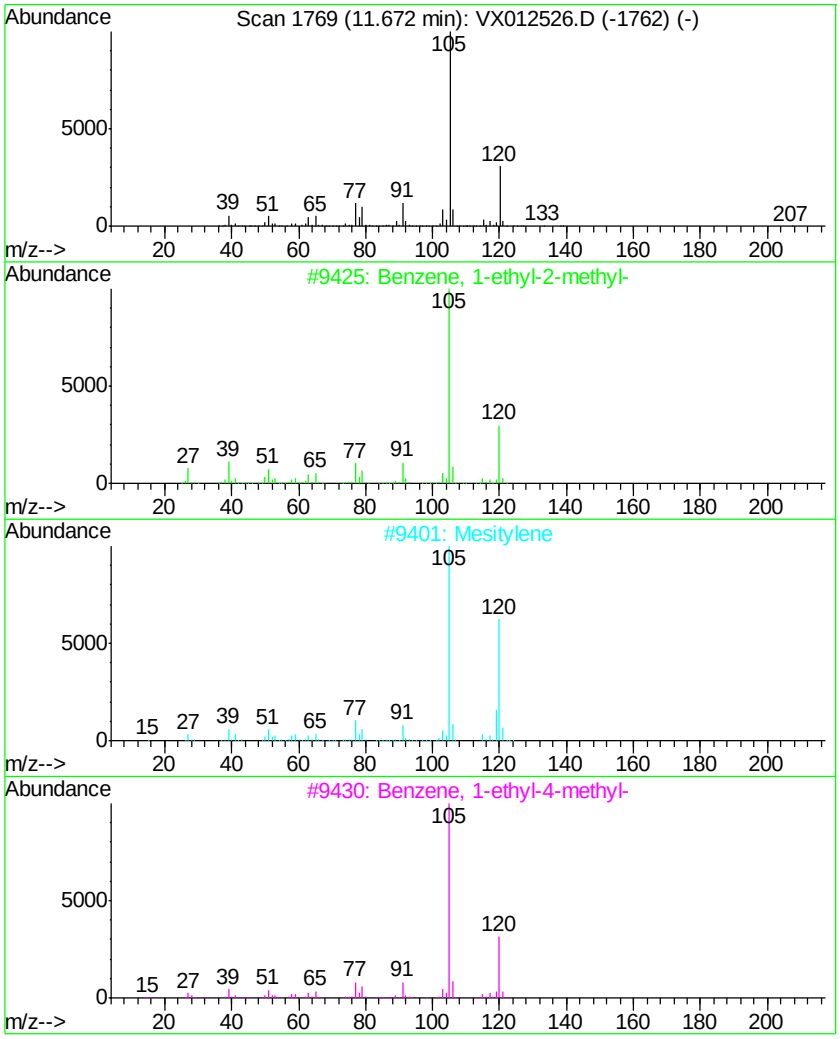
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

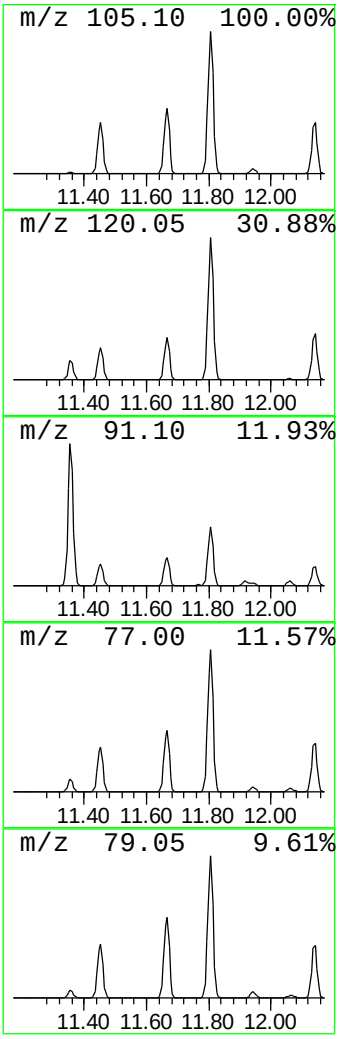
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	236.23 ug/l	5868500	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	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	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\VX091919\
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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

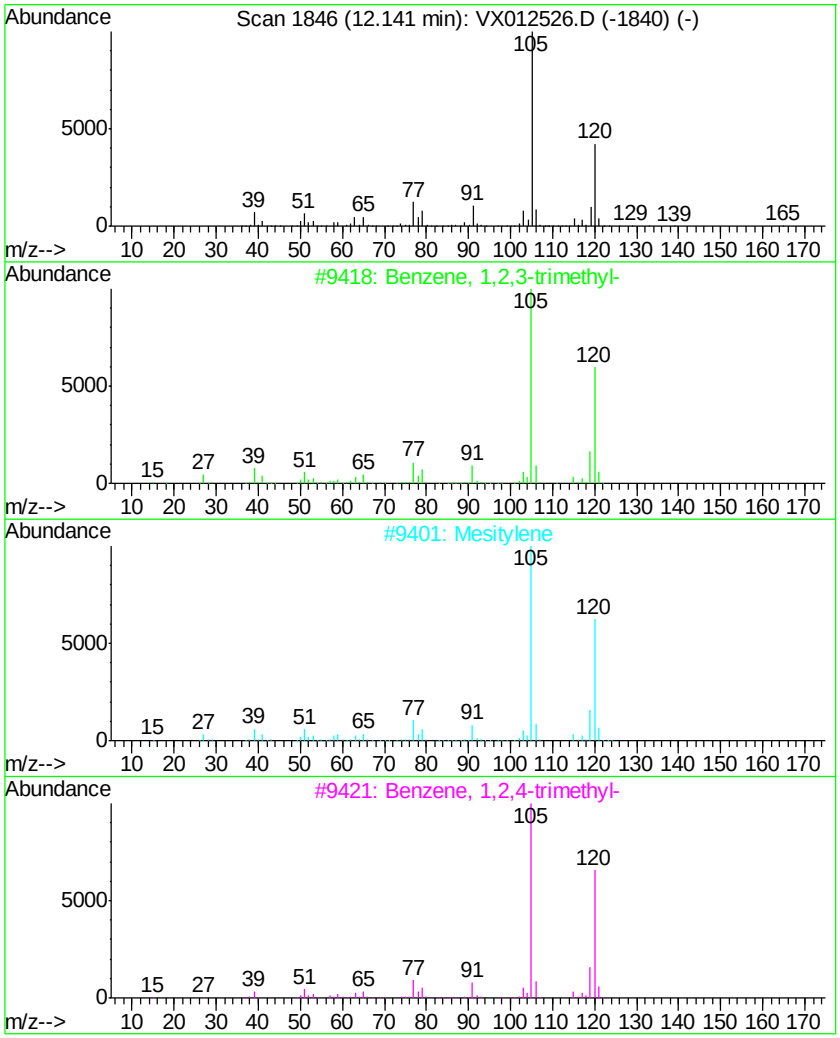
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

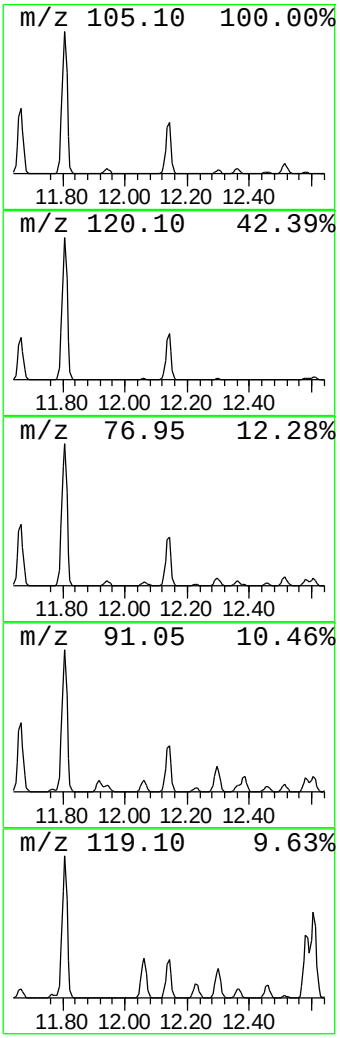
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	196.81 ug/l	4889190	1,4-Dichlorobenzene-d4	12.07

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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

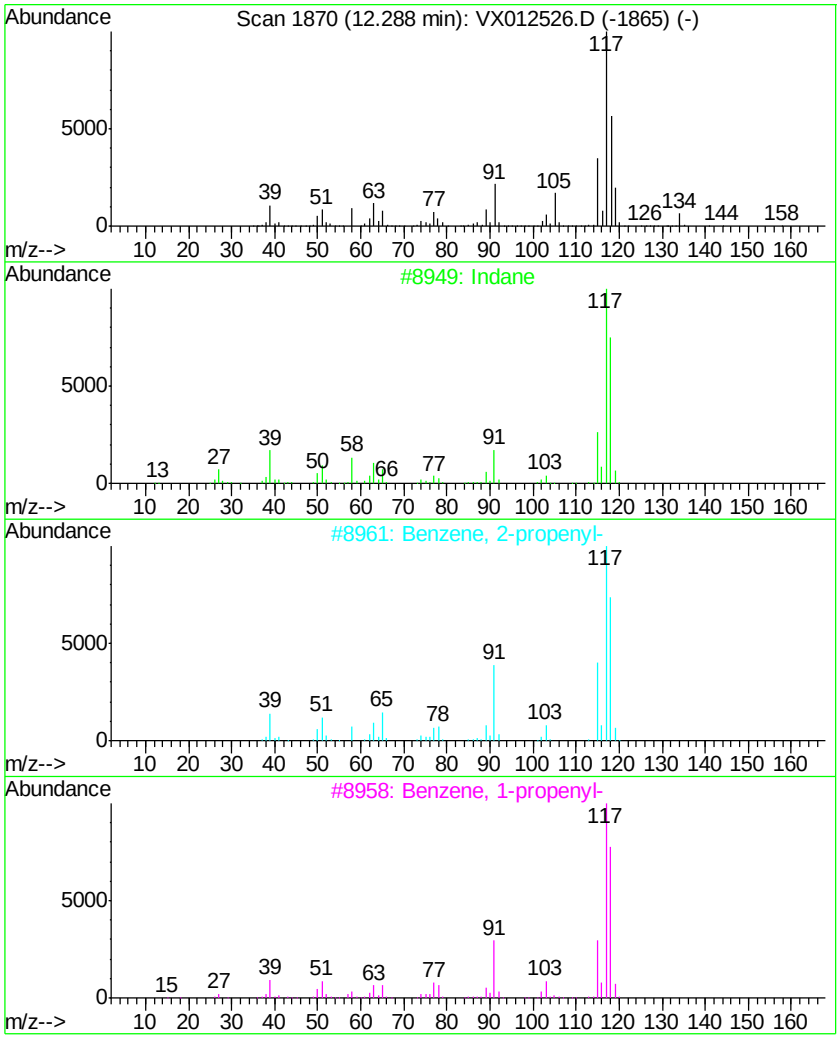
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

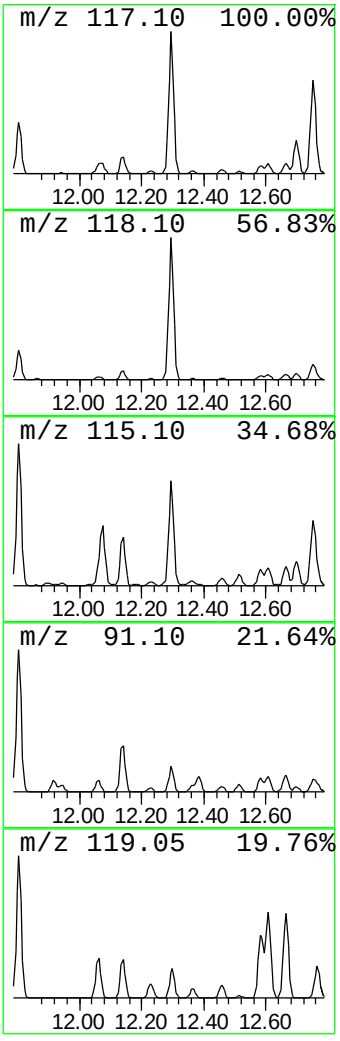
****

Peak Number 6 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	72.93 ug/l	1811680	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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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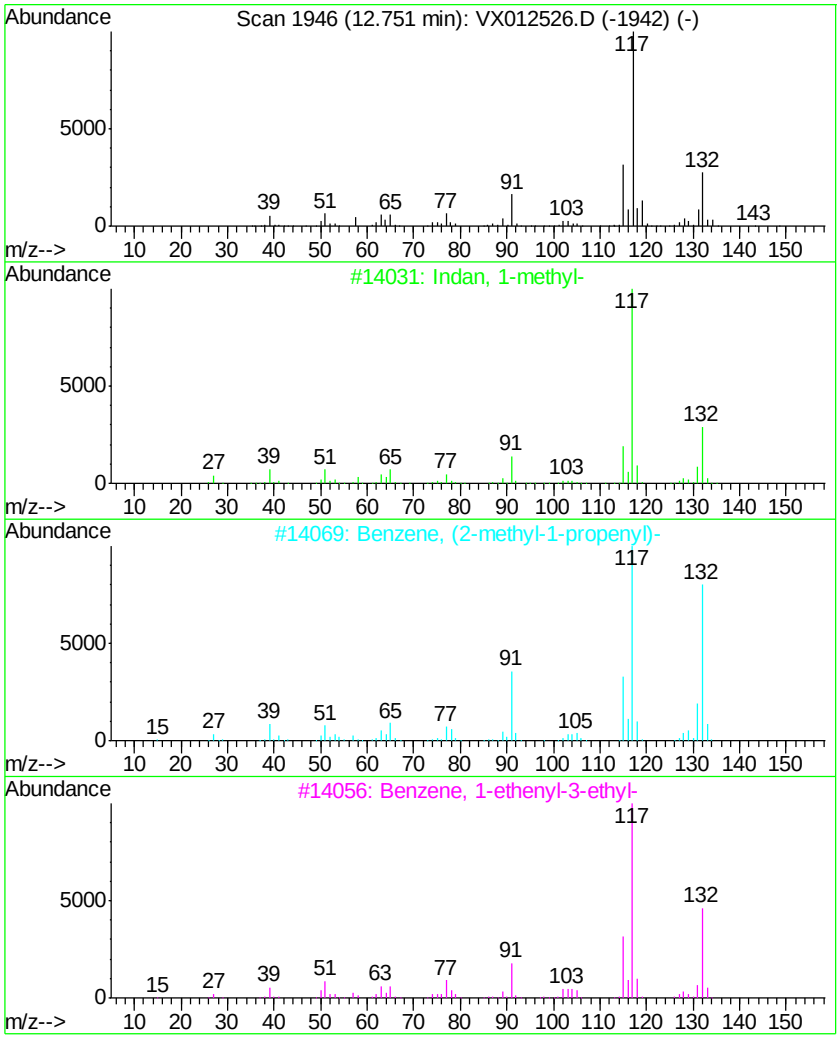
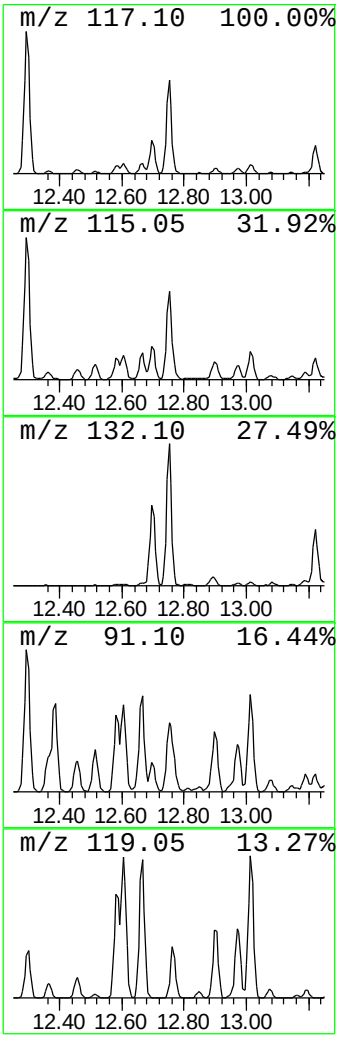
Peak Number 7 Indan, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	47.64 ug/l	1183400	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	94
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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

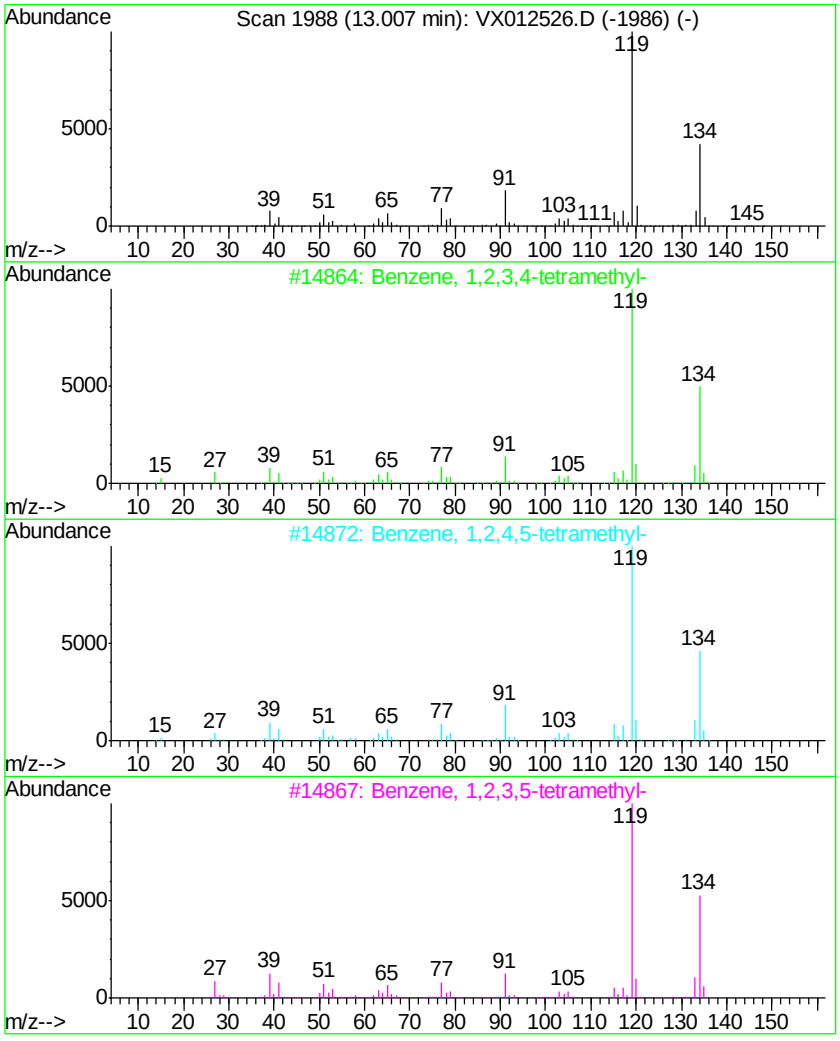
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

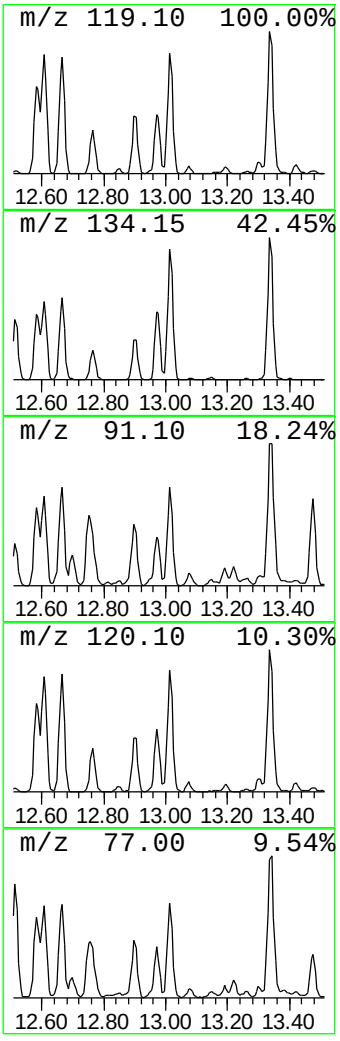
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	43.17 ug/l	1072480	1,4-Dichlorobenzene-d4	12.07

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	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





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Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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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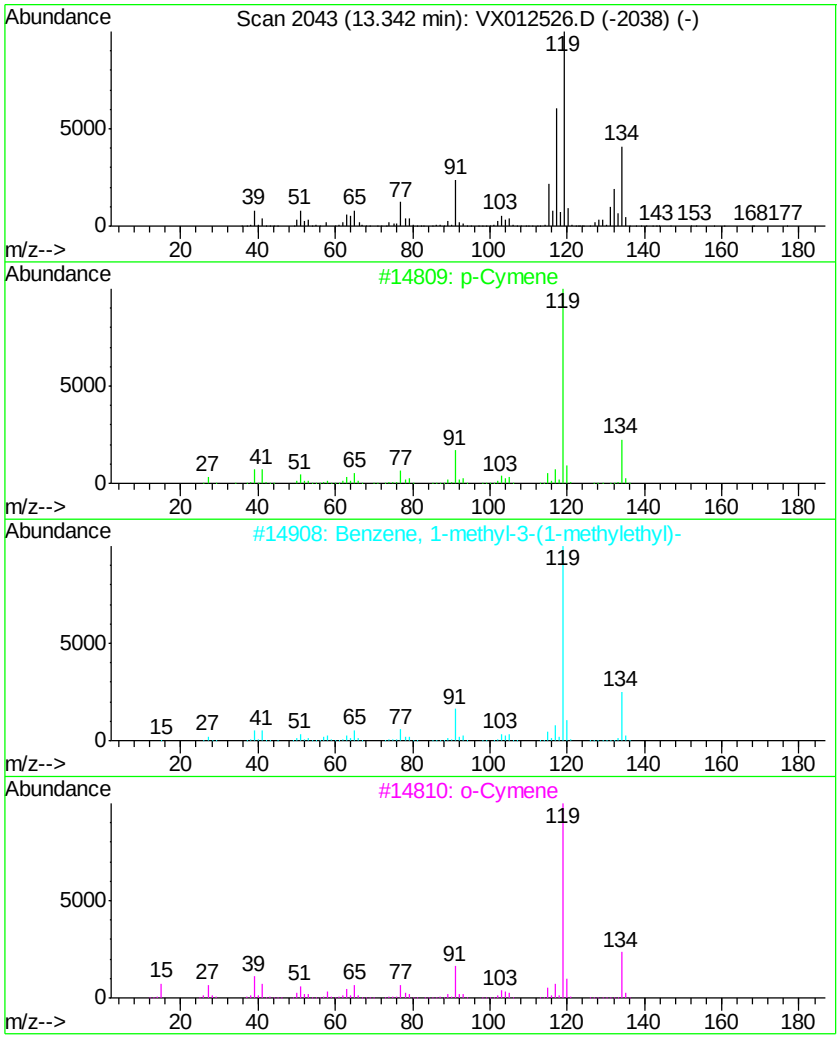
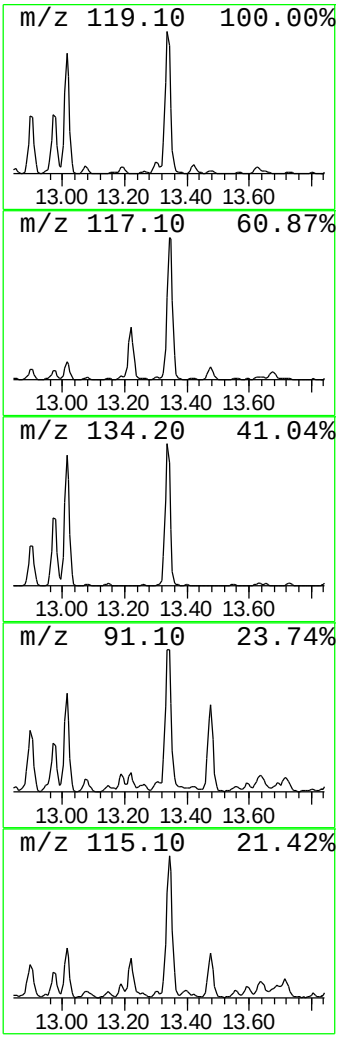
Peak Number 9 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	75.98 ug/l	1887570	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	64
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3	o-Cymene	134	C10H14	000527-84-4	64
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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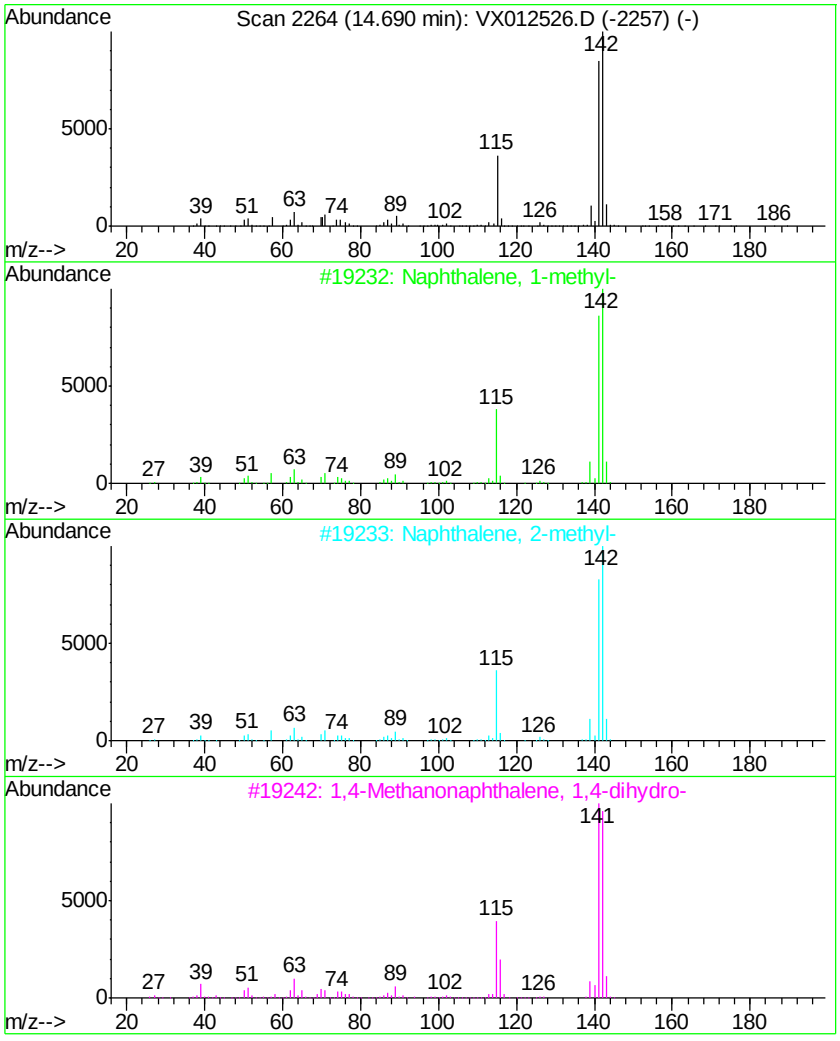
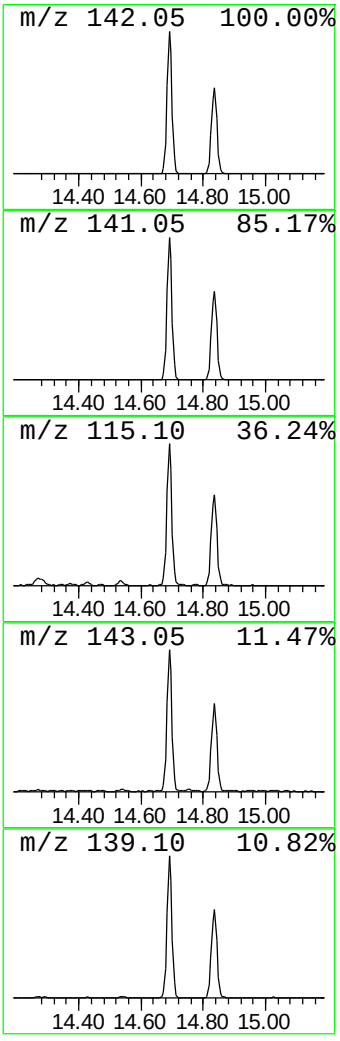
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	58.35 ug/l	1449440	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091919\
Data File : VX012526.D
Acq On : 19 Sep 2019 14:24
Operator : JC/SP
Sample : K4887-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0159

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	67.2	ug/l	810792	1	5.65	603406	50.0
Cyclopentane, met...	4.39	127.4	ug/l	1537300	1	5.65	603406	50.0
Benzene, 1-ethyl-...	11.67	236.2	ug/l	5868500	4	12.07	1242100	50.0
Benzene, 1,2,3-tr...	12.14	196.8	ug/l	4889190	4	12.07	1242100	50.0
Indane	12.29	72.9	ug/l	1811680	4	12.07	1242100	50.0
Indan, 1-methyl-	12.75	47.6	ug/l	1183400	4	12.07	1242100	50.0
Benzene, 1,2,3,4-...	13.01	43.2	ug/l	1072480	4	12.07	1242100	50.0
p-Cymene	13.34	76.0	ug/l	1887570	4	12.07	1242100	50.0
Naphthalene, 1-me...	14.69	58.4	ug/l	1449440	4	12.07	1242100	50.0