LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

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\82X040319W.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	1.300	20	24	36	rBV	9054673	12447571	8.17%	1.476%
2	1.404	36	41	47	rVV	20035563	29791285	19.55%	3.533%
3	1.459	47	50	58	rVV	7577936	9490936	6.23%	1.125%
4	1.532	58	62	83	rVV	4347788	5390179	3.54%	0.639%
5	1.690	83	88	98	rVV	1682914	2446956	1.61%	0.290%
6	1.782	98	103	118	rVB	20382039	30512282	20.02%	3.618%
7	1.946	125	130	134	rBV	5559439	7655254	5.02%	0.908%
8	1.995	134	138	151	rVV	12891944	18860235	12.38%	2.237%
9	2.111	151	157	165	rVV	10446613	15212343	9.98%	1.804%
10	2.208	168	173	193	rVB	4731631	7535143	4.94%	0.894%
11	2.812	257	272	280	rBV2	3269699	9053104	5.94%	1.074%
12	2.891	280	285	288	rVV	2558455	5499656	3.61%	0.652%
13	2.934	288	292	322	rVV2	4366871	12006435	7.88%	1.424%
14	3.172	322	331	345	rVB	1846340	4234435	2.78%	0.502%
15	3.525	380	389	404	rVB	1795158	4100767	2.69%	0.486%
16	3.751	419	426	435	rVB	738296	1806828	1.19%	0.214%
17	3.995	458	466	471	rBV	565239	1584632	1.04%	0.188%
18	4.409	522	534	548	rVB	4897610	14464069	9.49%	1.715%
19	5.586	716	727	738	rBV	4519816	14123452	9.27%	1.675%
20	6.183	798	825	834	rBV2	33672312	114671410	75.24%	13.598%
21	6.366	834	855	863	rVB2	3897947	13001838	8.53%	1.542%
22	7.464	1021	1035	1043	rBV	3003213	6945487	4.56%	0.824%
23	8.512	1198	1207	1213	rBV	2860367	5766985	3.78%	0.684%
24	8.616	1213	1224	1229	rBV	8366555	16953687	11.12%	2.010%
25	8.829	1246	1259	1264	rVV3	54732350	152400727	100.00%	18.072%
26	8.921	1264	1274	1281	rVB	10253100	16626436	10.91%	1.972%
27	9.512	1363	1371	1376	rBV	5674426	8133558	5.34%	0.965%
28	10.103	1458	1468	1474	rBV	9422930	18675480	12.25%	2.215%
29	10.177	1474	1480	1483	rVV	3121882	5030111	3.30%	0.596%
30	10.219	1483	1487	1490	rVV	12321346	16803300	11.03%	1.993%
31	10.262	1490	1494	1498	rVV	26792353	38068370	24.98%	4.514%
32	10.311	1498	1502	1506	rVV	2532139	4335996	2.85%	0.514%
33	10.378	1506	1513	1518	rVV2	48881692	85771378	56.28%	10.171%
34	10.707	1561	1567	1573	rVB	26224629	36869280	24.19%	4.372%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

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\82X040319W.M
Title : SW846 8260

35	10.847	1584	1590	1596	rBV	5238963	8647721	5.67%	1.025%
36	11.140	1631	1638	1641	rBV	1744870	2277124	1.49%	0.270%
37	11.231	1646	1653	1659	rVV	8378386	11993516	7.87%	1.422%
38	11.335	1663	1670	1672	rVV	5789652	7647332	5.02%	0.907%
39	11.359	1672	1674	1678	rVV	2366874	3201358	2.10%	0.380%
40	11.439	1682	1687	1693	rVV	7054669	12960966	8.50%	1.537%
41	11.506	1693	1698	1710	rVB	3910527	5765018	3.78%	0.684%
42	11.670	1719	1725	1729	rBV	3539787	4426826	2.90%	0.525%
43	11.810	1743	1748	1751	rVV	10660909	12484354	8.19%	1.480%
44	11.853	1751	1755	1760	rVB	3142470	3870766	2.54%	0.459%
45	11.932	1760	1768	1776	rBV2	4223128	7504412	4.92%	0.890%
46	12.146	1798	1803	1809	rVV	4449905	6871079	4.51%	0.815%
47	12.201	1809	1812	1821	rVB	2340552	2810693	1.84%	0.333%
48	12.298	1821	1828	1836	rBV3	3775859	6544447	4.29%	0.776%

Sum of corrected areas: 843275217

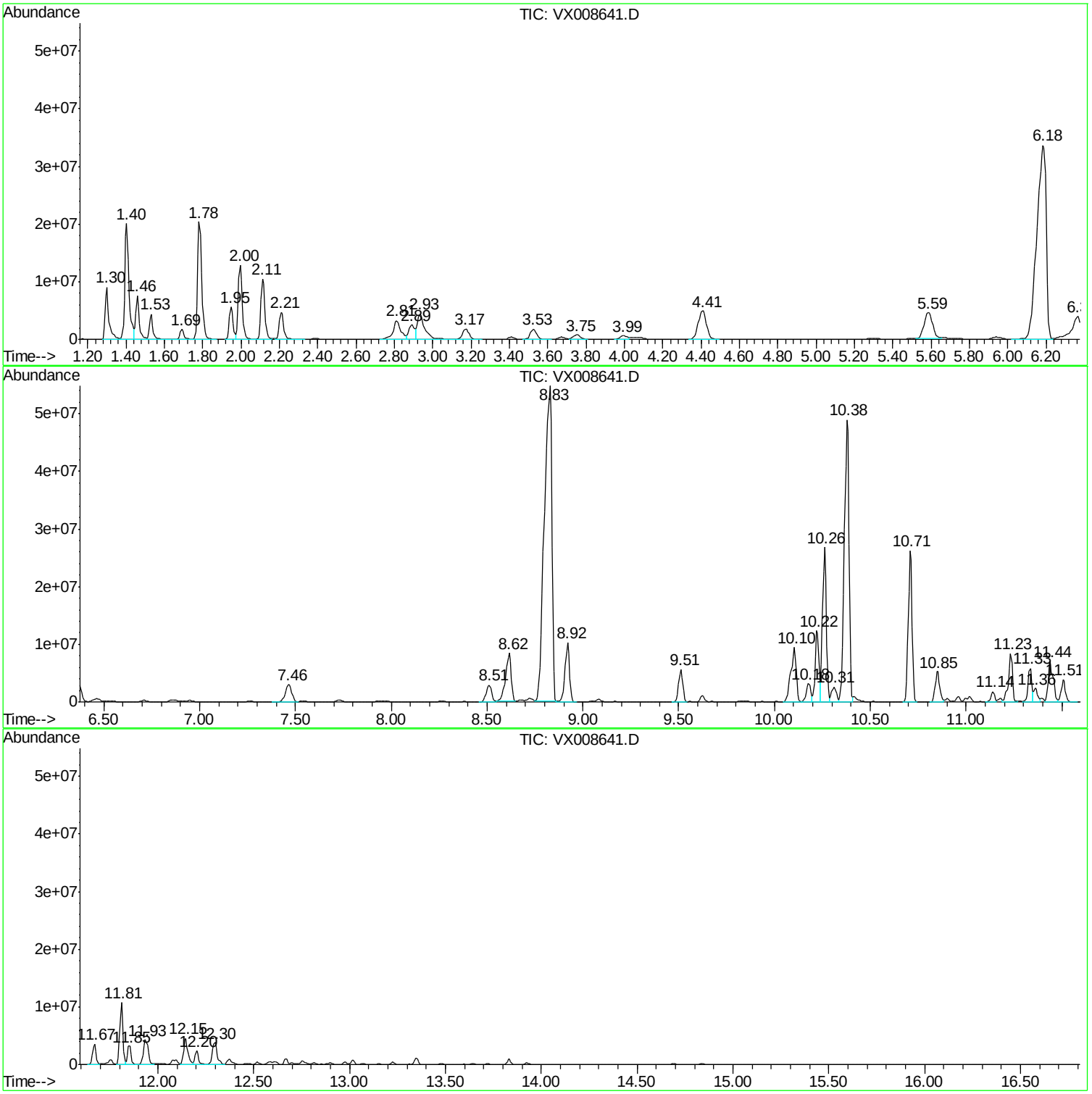
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.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\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

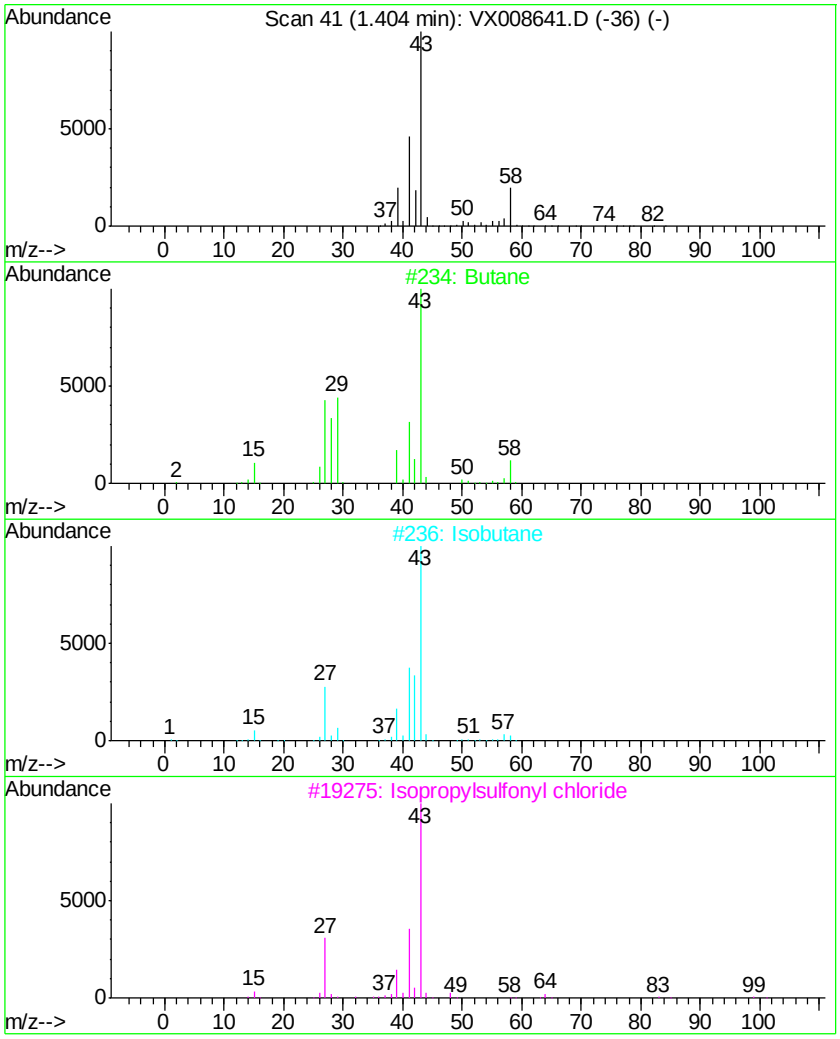
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

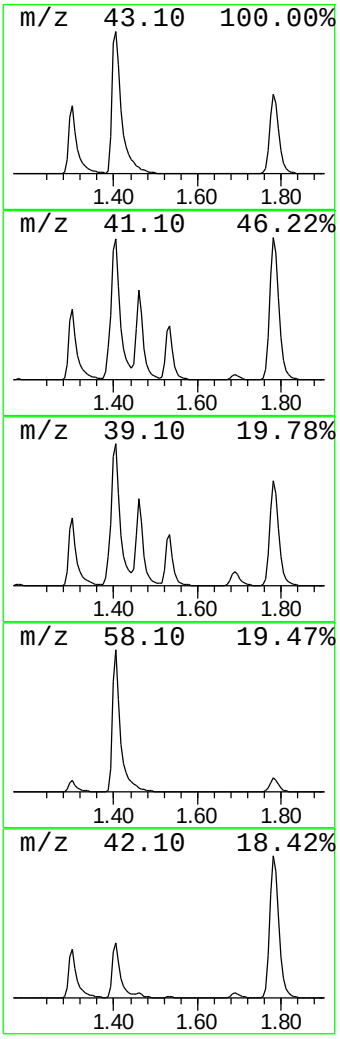
****

Peak Number 1 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	105.47 ug/l	29791300	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Isobutane	58	C4H10	000075-28-5	9
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Acetone	58	C3H6O	000067-64-1	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

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

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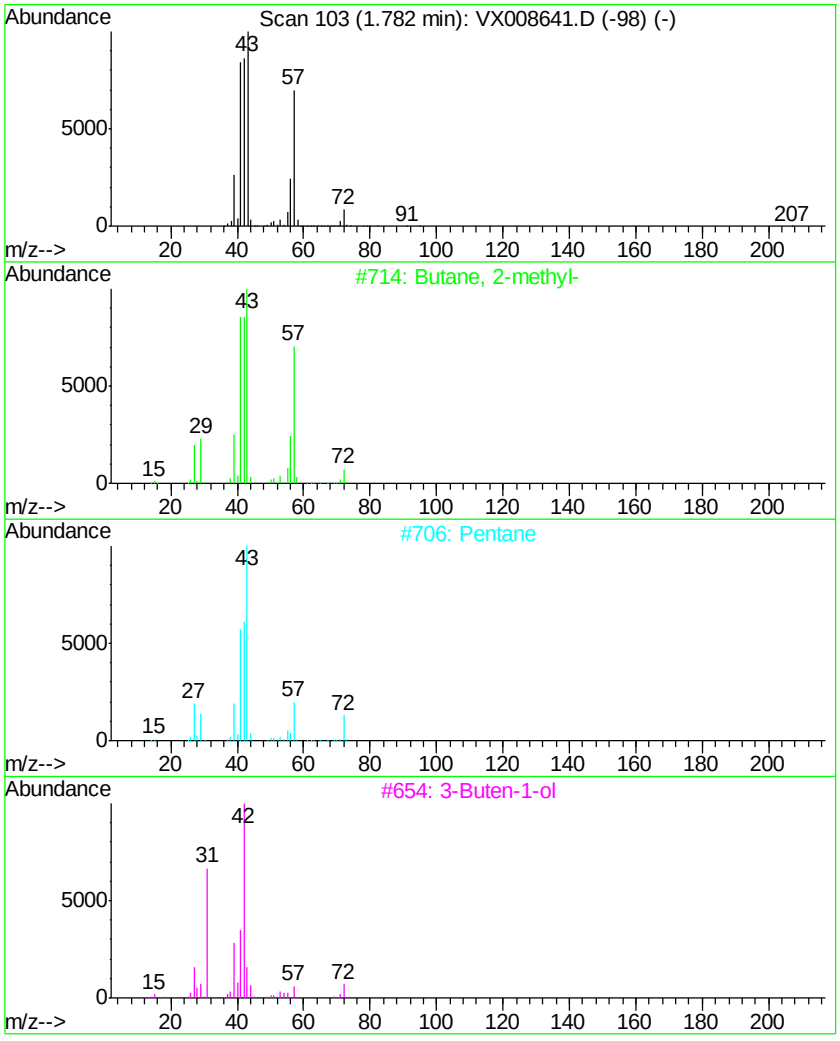
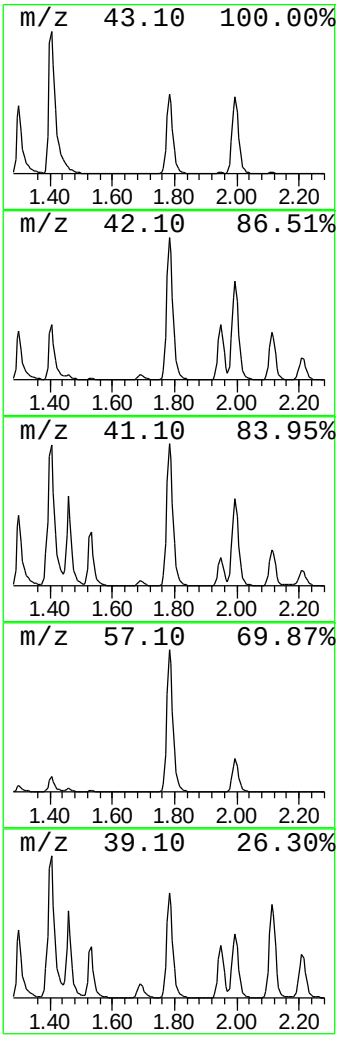
Peak Number 2 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	108.02 ug/l	30512300	Pentafluorobenzene	5.67

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	39
3	3-Buten-1-ol	72	C4H8O	000627-27-0	28
4	1-Butene	56	C4H8	000106-98-9	10
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

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

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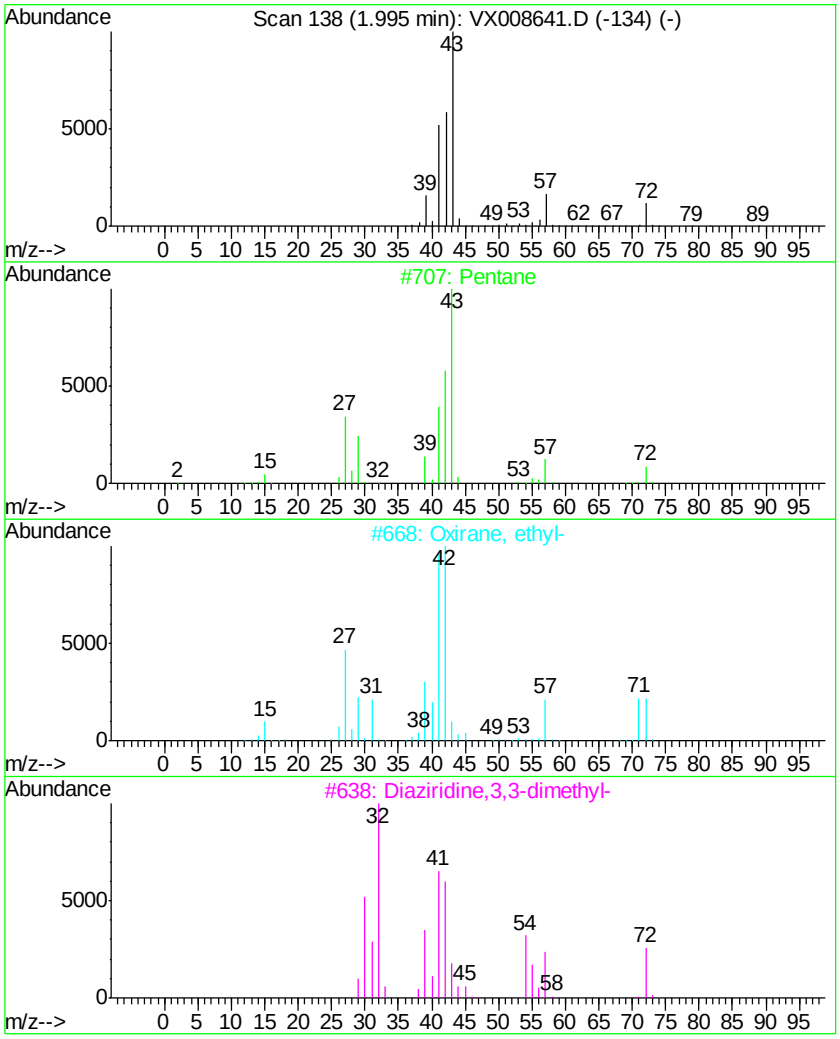
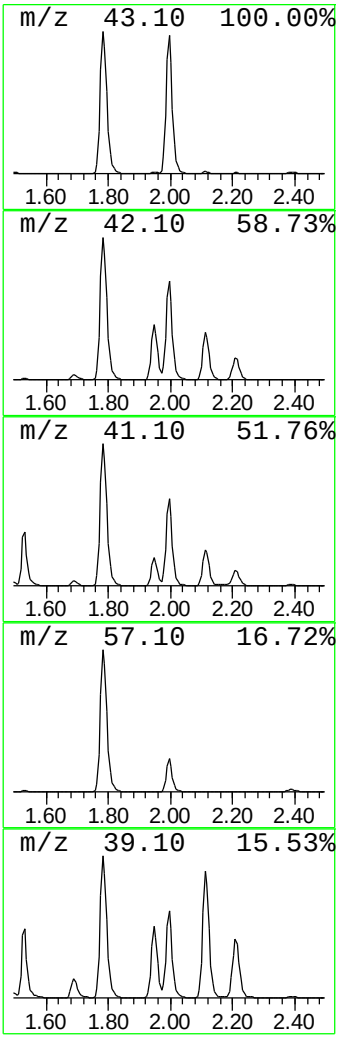
Peak Number 3 Pentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	66.77 ug/l	18860200	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	33
3	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	9
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

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

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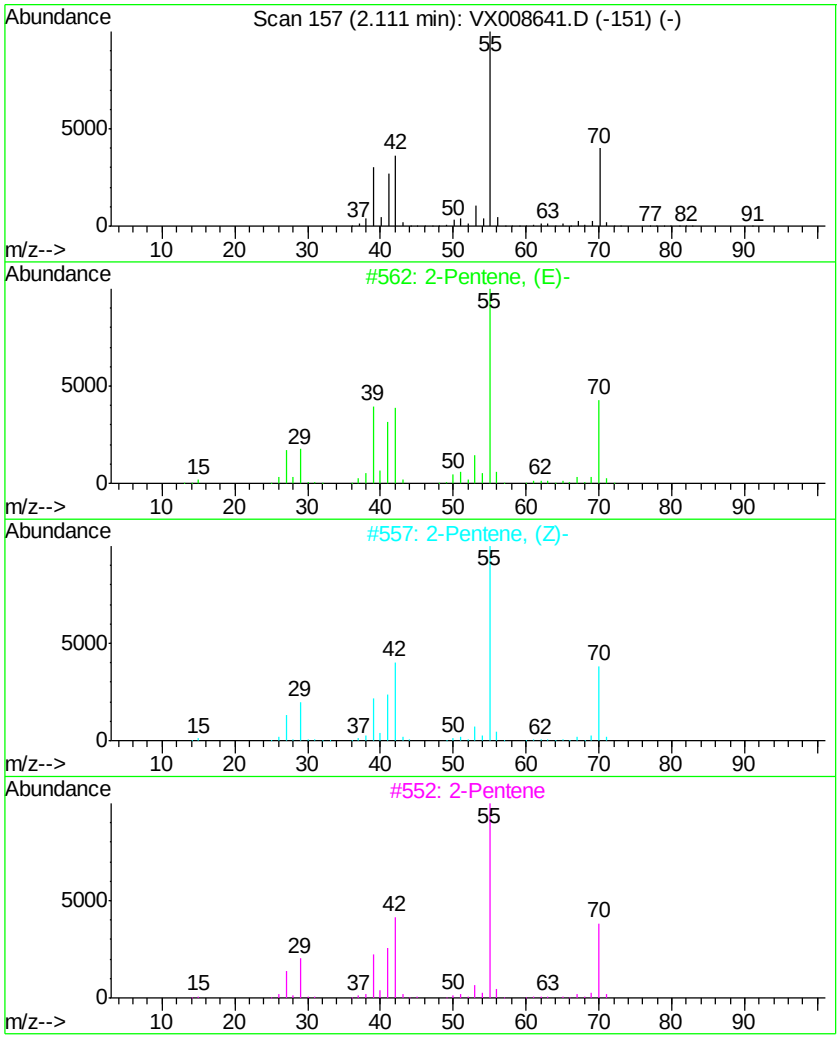
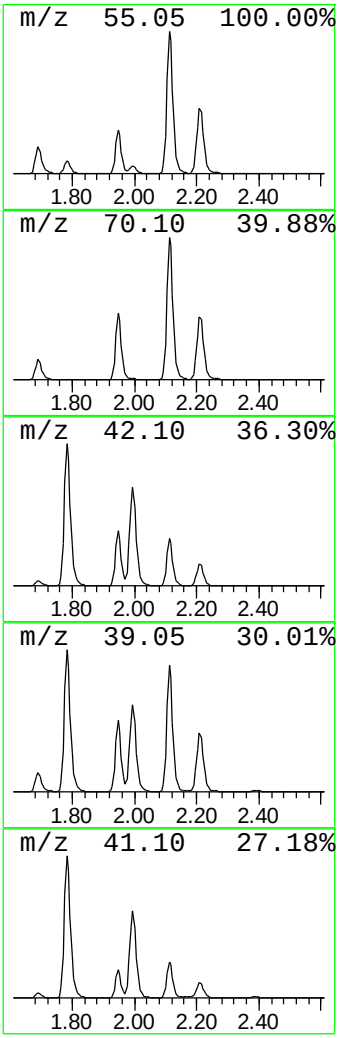
Peak Number 4 2-Pentene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.11	53.85 ug/l	15212300	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	94
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	2-Pentene	70	C5H10	000109-68-2	91
4	2-Methyl-1-butene	70	C5H10	000563-46-2	91
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

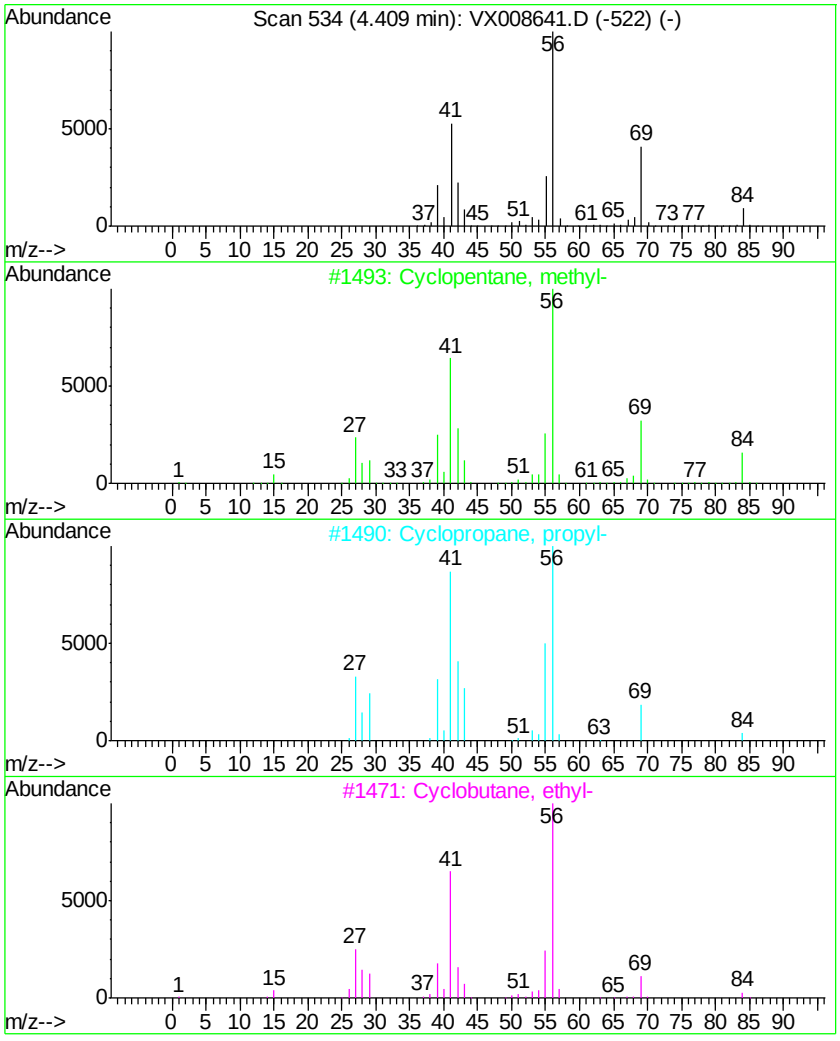
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

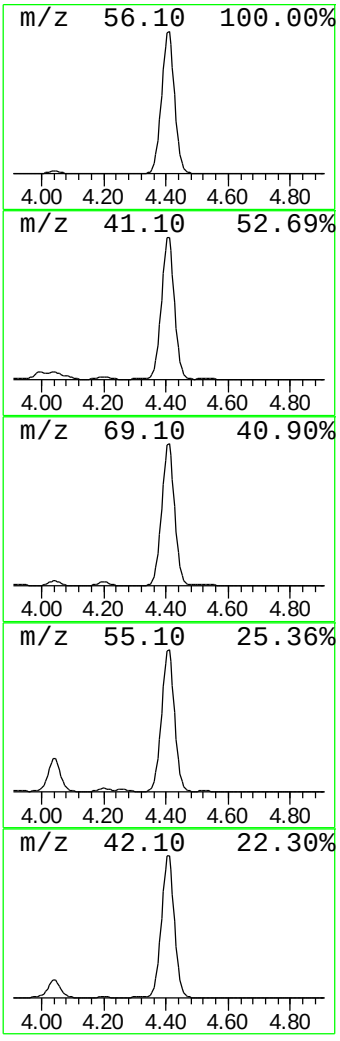
****

Peak Number 5 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	51.21 ug/l	14464100	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

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

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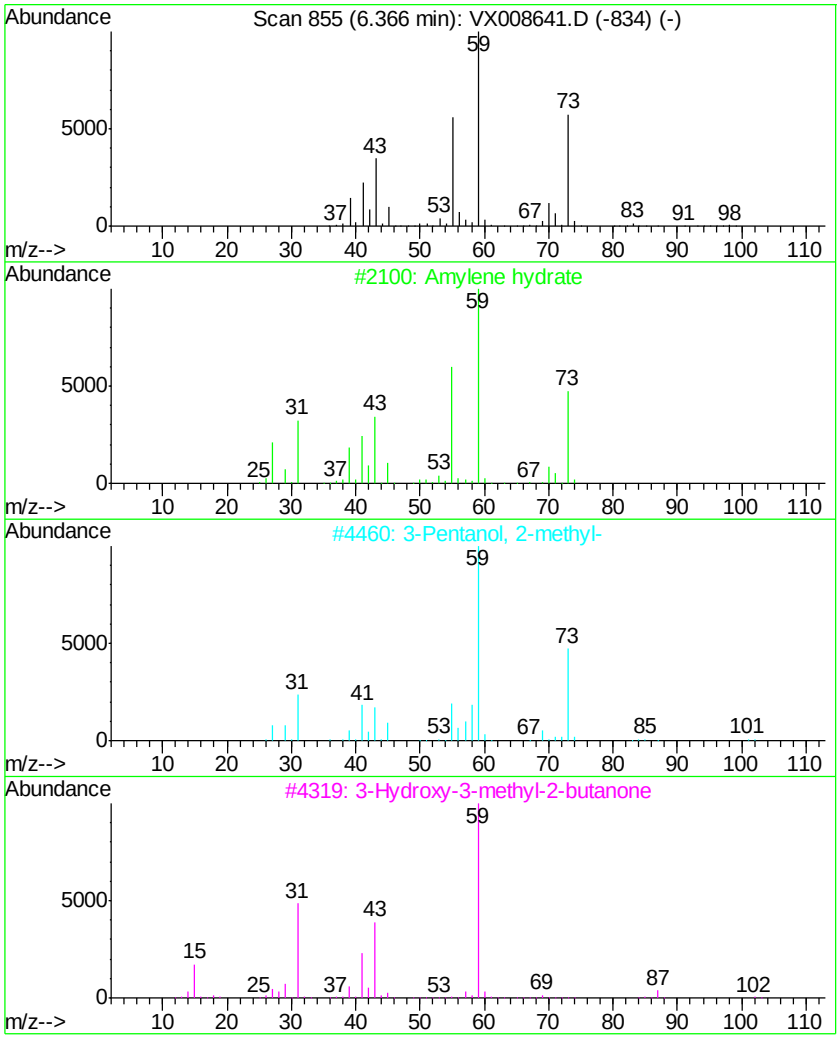
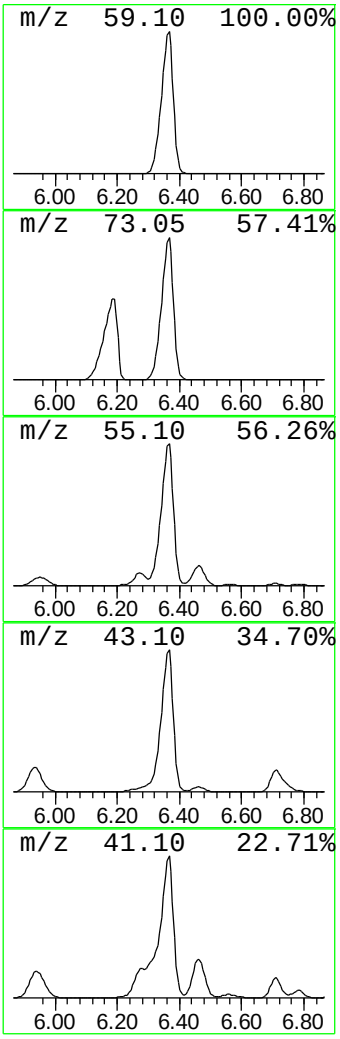
Peak Number 6 Amylene hydrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	50.00 ug/l	13001800	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	83
2	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	50
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	47
4	3-Hexanol	102	C6H14O	000623-37-0	43
5	Carbonic acid, 3-pentyl propyl e...	174	C9H18O3	1000325-64-0	36





Library Search Compound Report

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

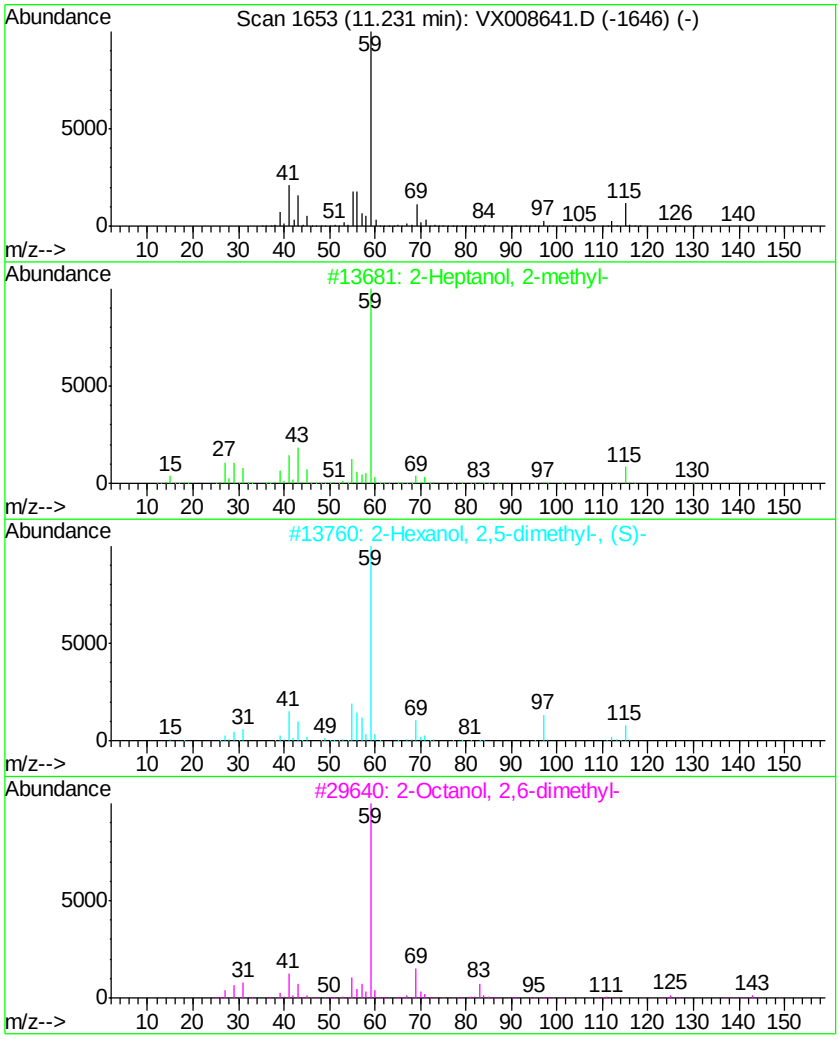
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

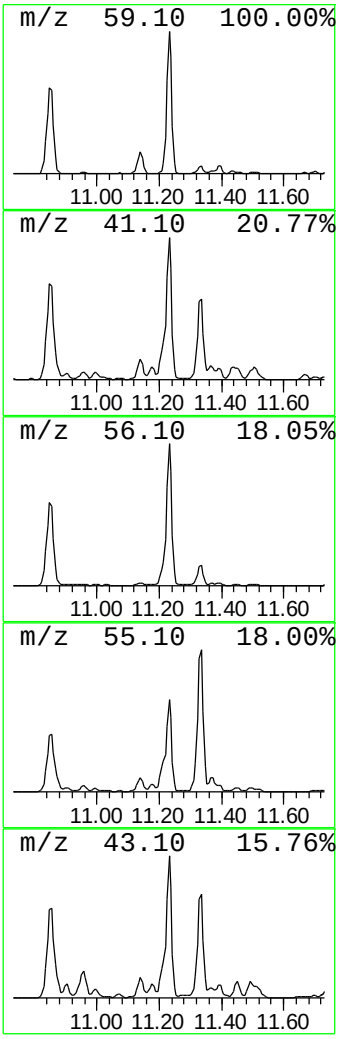
****

Peak Number 7 2-Heptanol, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	87.28 ug/l	11993500	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	72
2	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	72
3	2-Octanol, 2,6-dimethyl-	158	C10H22O	018479-57-7	64
4	2-Hydroxy-2,4-dimethyl-3-pentanone	130	C7H14O2	003212-67-7	64
5	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

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

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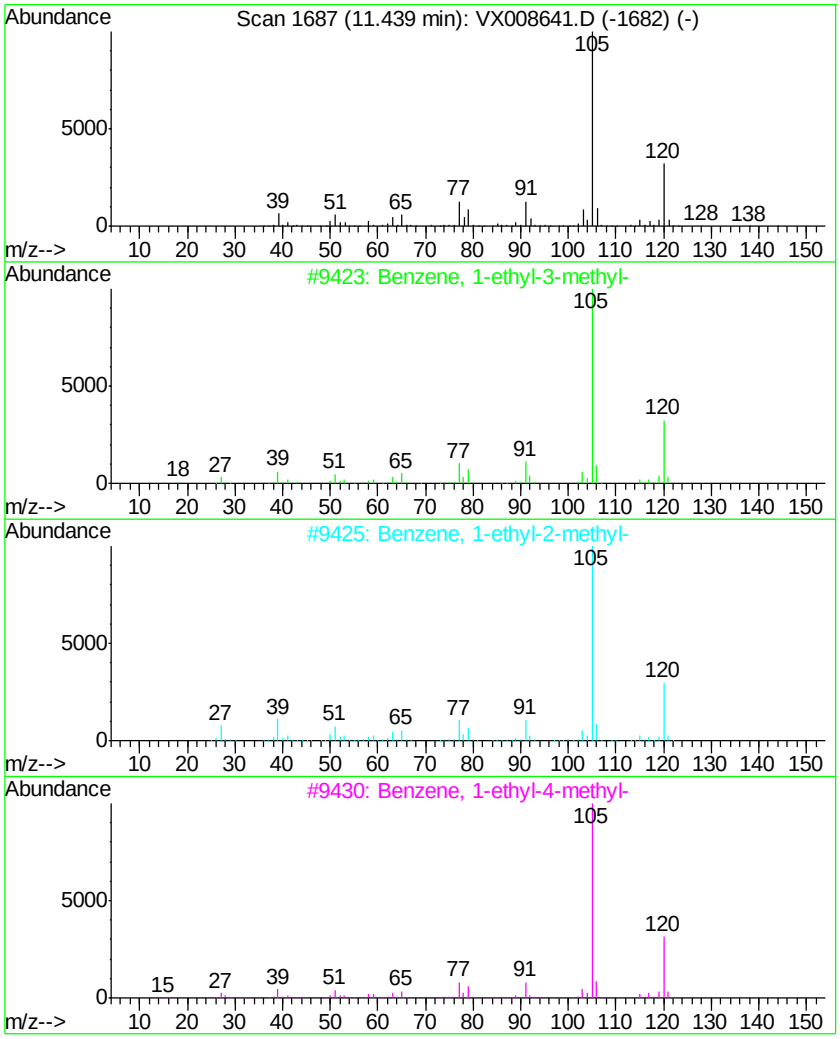
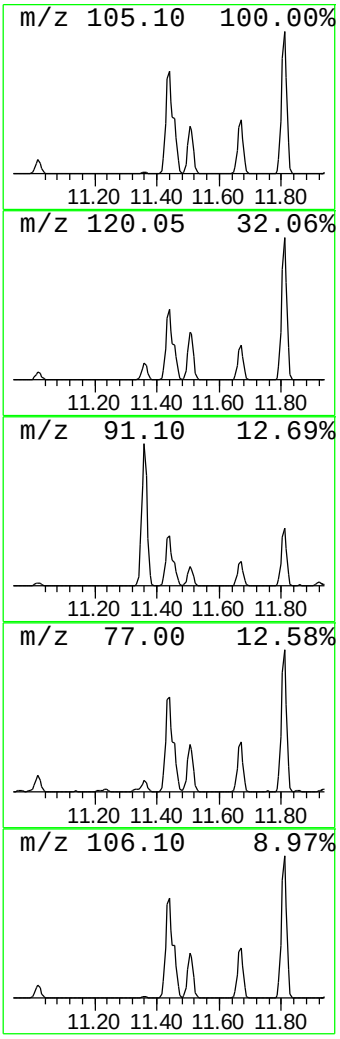
Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	94.32 ug/l	12961000	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

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

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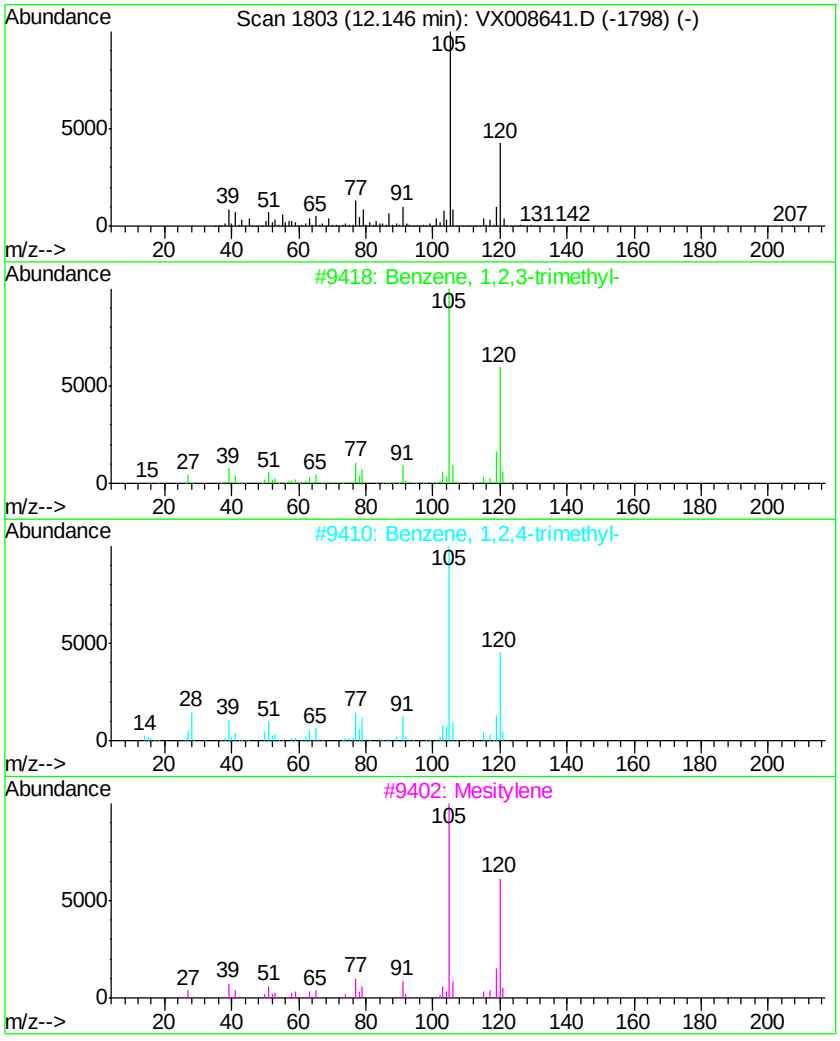
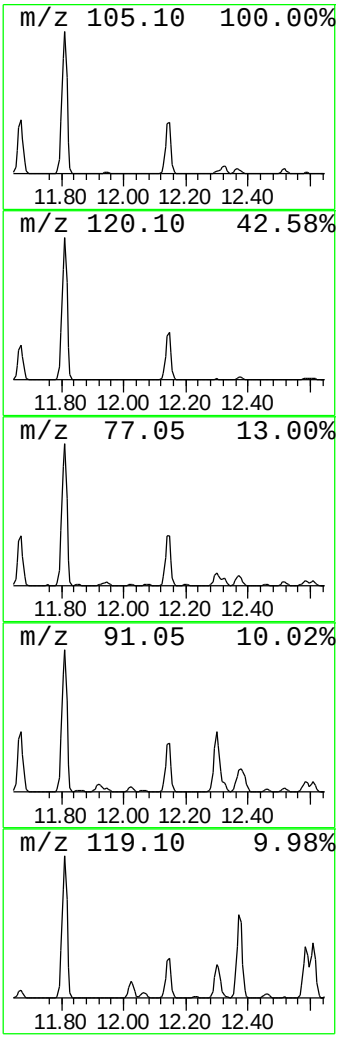
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	50.00 ug/l	6871080	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	93
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260

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

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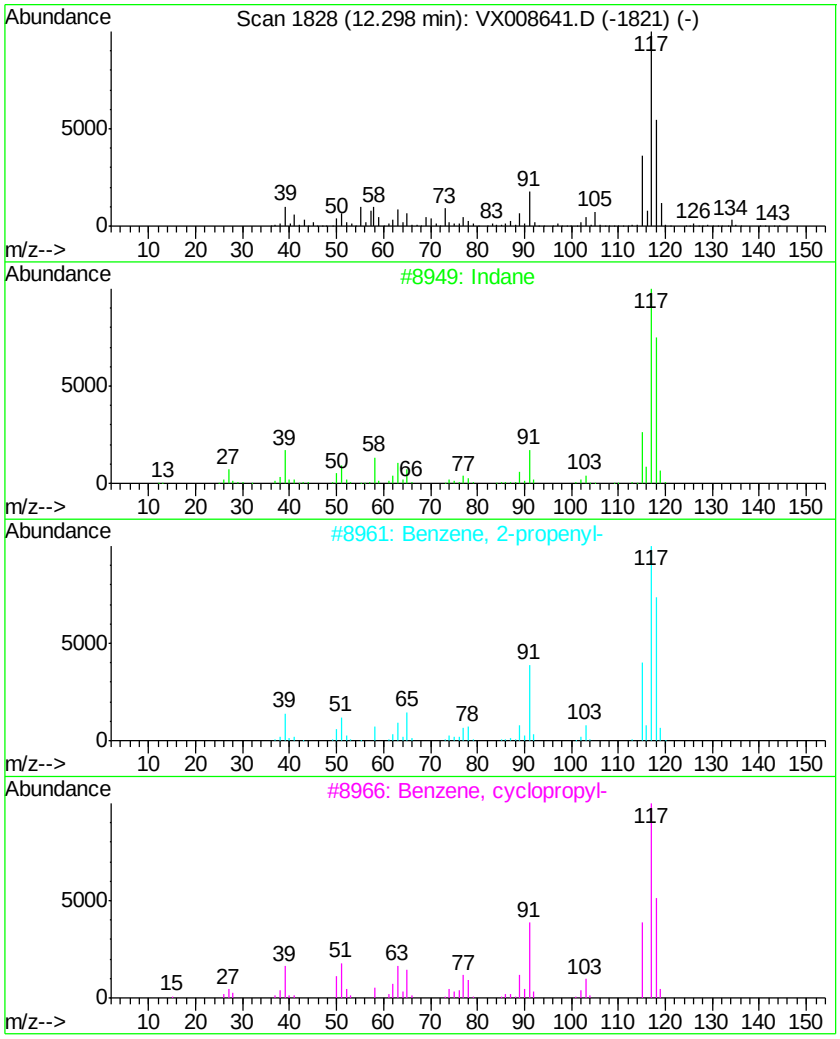
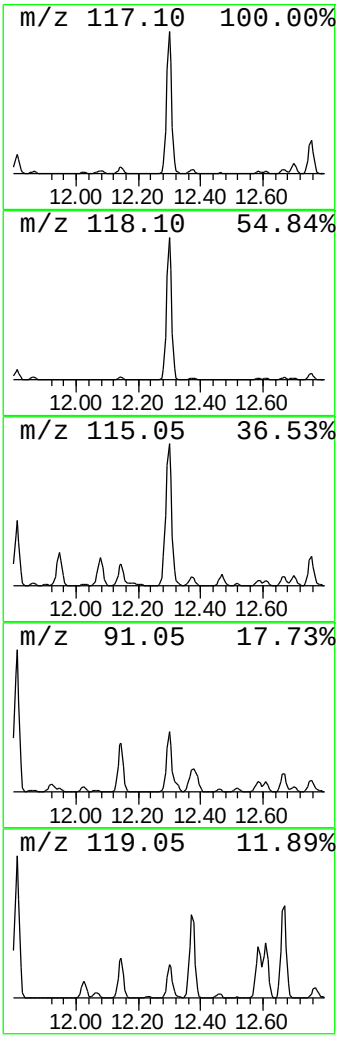
Peak Number 10 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	47.62 ug/l	6544450	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
5	Deltacyclene	118	C9H10	007785-10-6	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
Operator : JC/SP
Sample : K2263-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.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	1.40	105.5	ug/l	29791300	1	5.67	14123500	50.0
Butane, 2-methyl-	1.78	108.0	ug/l	30512300	1	5.67	14123500	50.0
Pentane	2.00	66.8	ug/l	18860200	1	5.67	14123500	50.0
2-Pentene, (E)-	2.11	53.9	ug/l	15212300	1	5.67	14123500	50.0
Cyclopentane, met...	4.41	51.2	ug/l	14464100	1	5.67	14123500	50.0
Amylene hydrate	6.37	50.0	ug/l	13001800	2	6.86	13001800	50.0
2-Heptanol, 2-met...	11.23	87.3	ug/l	11993500	4	12.08	6871080	50.0
Benzene, 1-ethyl-...	11.44	94.3	ug/l	12961000	4	12.08	6871080	50.0
Benzene, 1,2,3-tr...	12.15	50.0	ug/l	6871080	4	12.08	6871080	50.0
Indane	12.30	47.6	ug/l	6544450	4	12.08	6871080	50.0