LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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	37	rBV	1677266	1900680	8.48%	3.009%
2	1.404	37	41	61	rVB	3480419	3795104	16.93%	6.009%
3	1.788	98	104	123	rBV	2810978	4056638	18.10%	6.423%
4	1.995	133	138	152	rVB	1512802	2233597	9.96%	3.536%
5	2.263	176	182	193	rVB	515596	801319	3.57%	1.269%
6	2.891	279	285	287	rVV	328555	647004	2.89%	1.024%
7	2.934	287	292	302	rVV	538489	1165670	5.20%	1.846%
8	3.038	302	309	323	rVV	220418	494667	2.21%	0.783%
9	3.172	323	331	346	rVB	236843	544885	2.43%	0.863%
10	3.818	427	437	449	rBV	149255	373421	1.67%	0.591%
11	4.403	522	533	548	rVB	469813	1375427	6.14%	2.178%
12	5.501	701	713	718	rBV	123985	355713	1.59%	0.563%
13	5.580	718	726	734	rVV	412924	1286272	5.74%	2.037%
14	5.659	734	739	764	rVB	223705	676760	3.02%	1.072%
15	6.068	796	806	809	rBV	149185	364154	1.62%	0.577%
16	6.153	809	820	834	rVB	8374584	22417415	100.00%	35.493%
17	6.348	842	852	864	rVB	2094842	5601418	24.99%	8.869%
18	6.860	926	936	943	rBV	364783	863849	3.85%	1.368%
19	7.464	1024	1035	1045	rBV	237182	548956	2.45%	0.869%
20	8.494	1197	1204	1210	rBV	342827	568717	2.54%	0.900%
21	8.567	1210	1216	1228	rVB	1203725	1896637	8.46%	3.003%
22	8.714	1228	1240	1247	rBV	771193	1194791	5.33%	1.892%
23	8.903	1264	1271	1283	rVB	1279347	1917968	8.56%	3.037%
24	9.506	1363	1370	1375	rBV	220600	327160	1.46%	0.518%
25	10.079	1456	1464	1466	rBV	402616	596904	2.66%	0.945%
26	10.110	1466	1469	1474	rVV	694669	952755	4.25%	1.508%
27	10.201	1480	1484	1490	rVB	467711	616671	2.75%	0.976%
28	10.695	1560	1565	1576	rVB	2582195	3420808	15.26%	5.416%
29	11.134	1632	1637	1643	rBV	536576	704440	3.14%	1.115%
30	11.664	1716	1724	1731	rBV	311660	393231	1.75%	0.623%
31	12.079	1786	1792	1797	rBV	597124	778154	3.47%	1.232%
32	12.140	1797	1802	1808	rVB	231971	288502	1.29%	0.457%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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

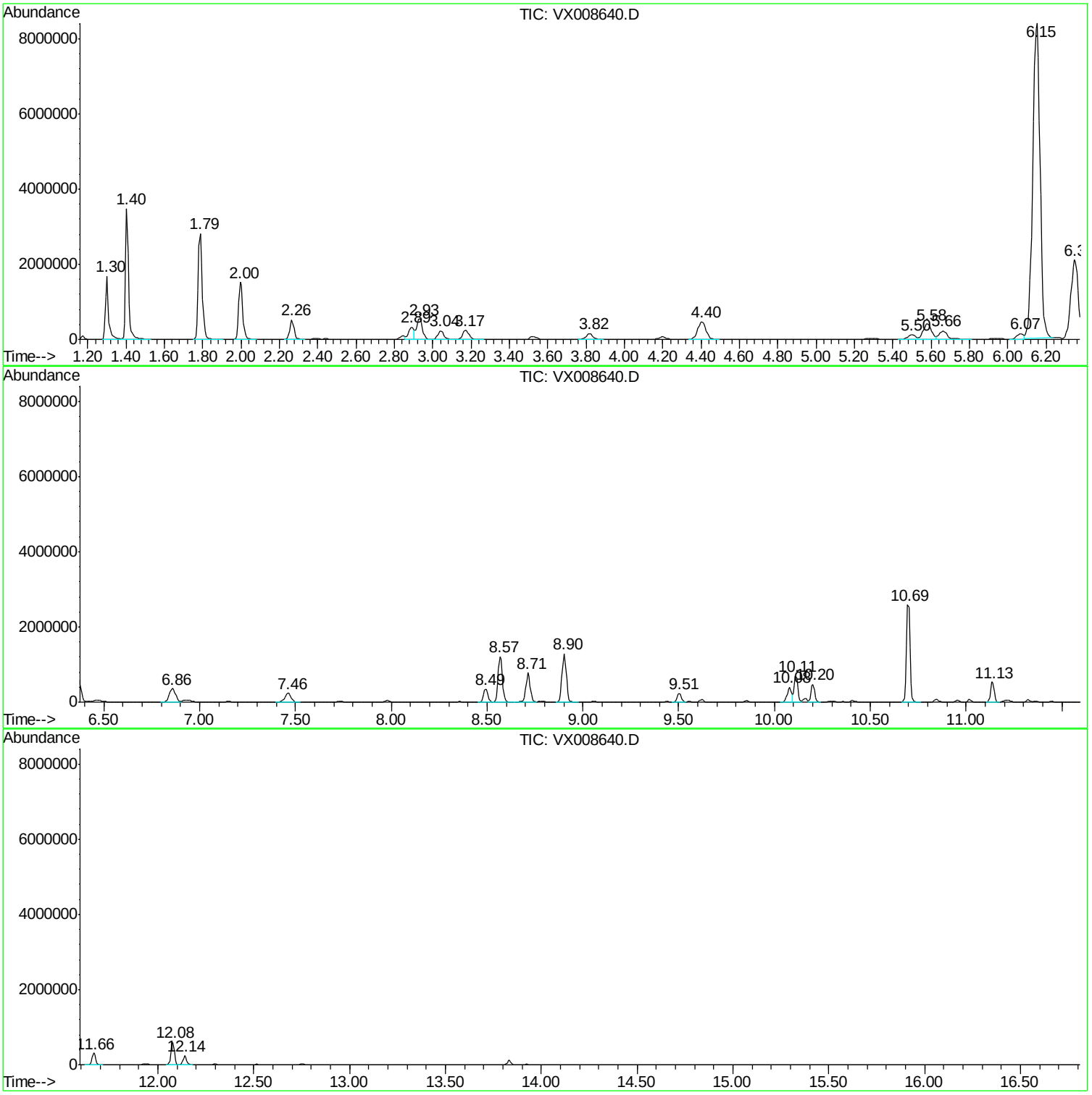
Sum of corrected areas: 63159687

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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 : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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

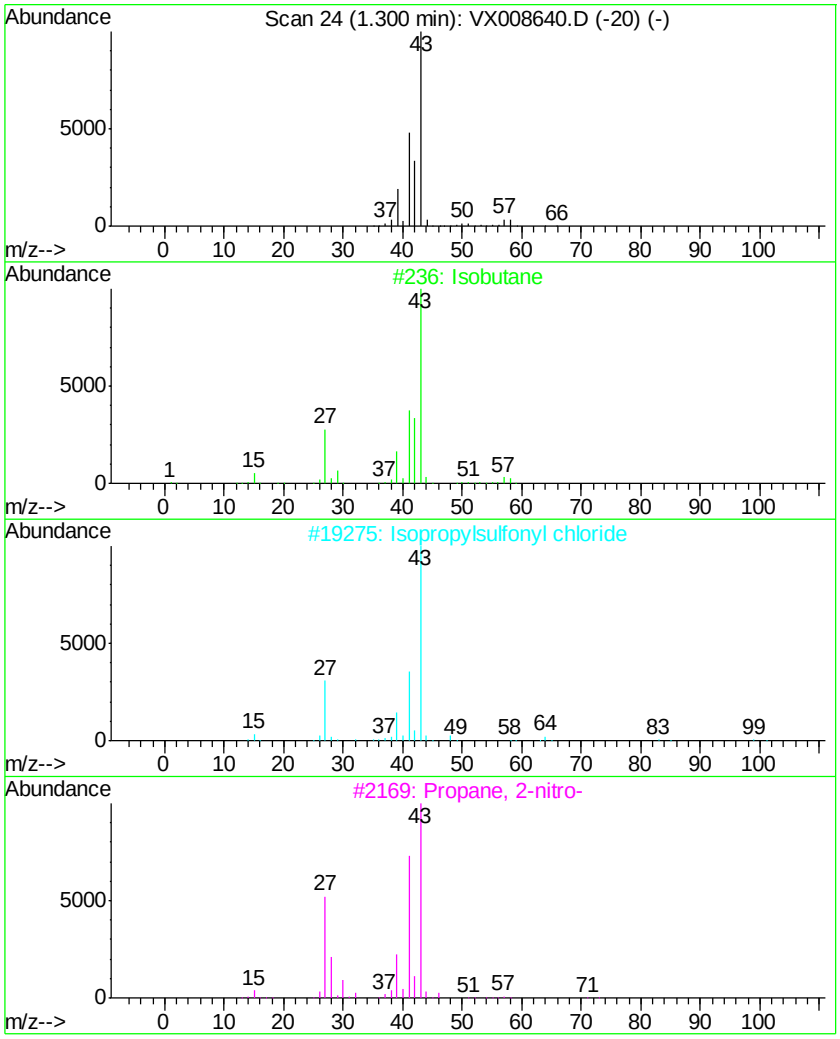
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

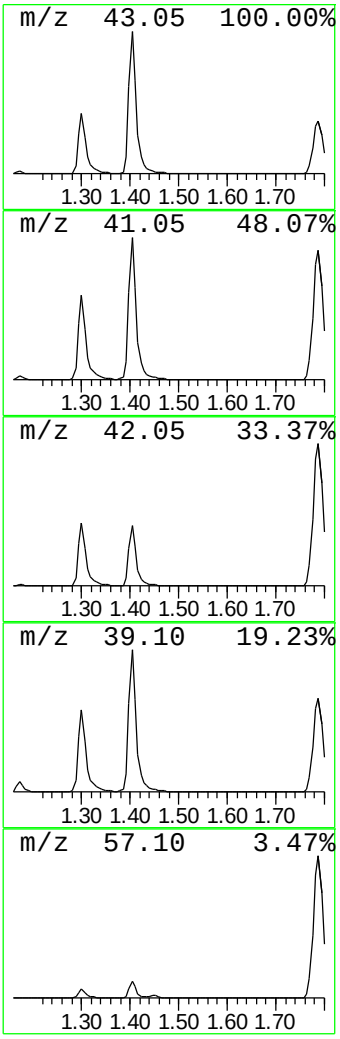
****

Peak Number 1 Isobutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	140.43 ug/l	1900680	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	86
2	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
3	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	4
4	Butane	58	C4H10	000106-97-8	4
5	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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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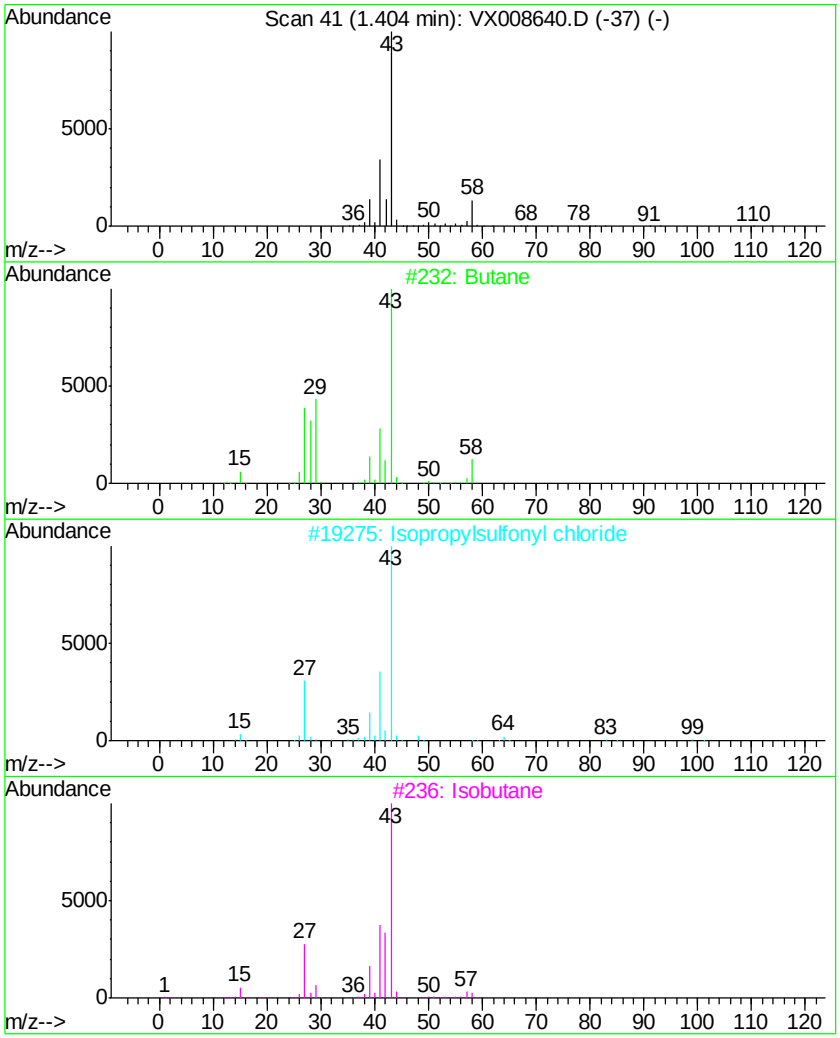
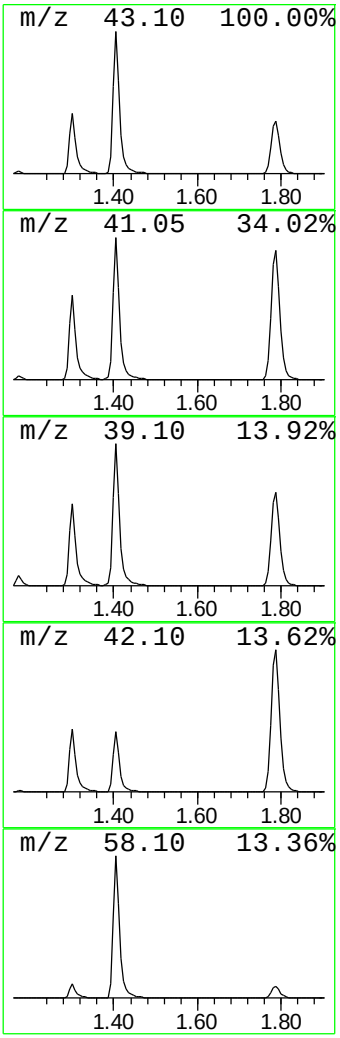
Peak Number 2 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	280.39 ug/l	3795100	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
3	Isobutane	58	C4H10	000075-28-5	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Diazene, dimethyl-	58	C2H6N2	000503-28-6	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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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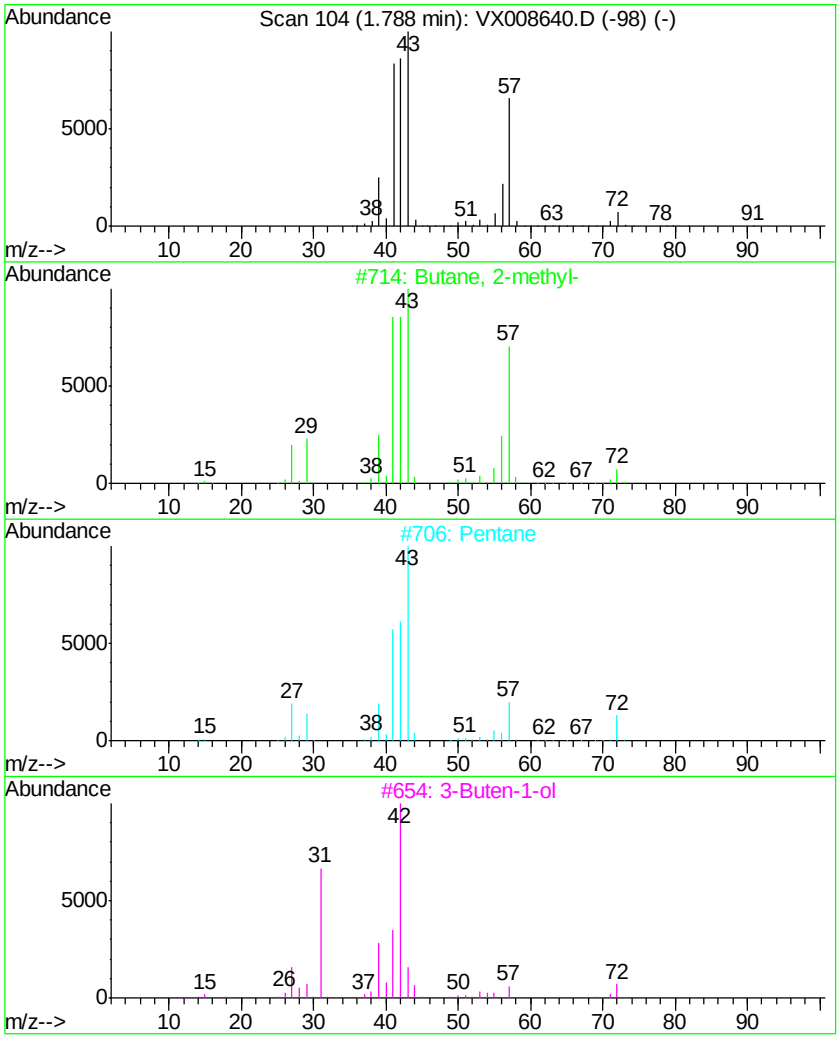
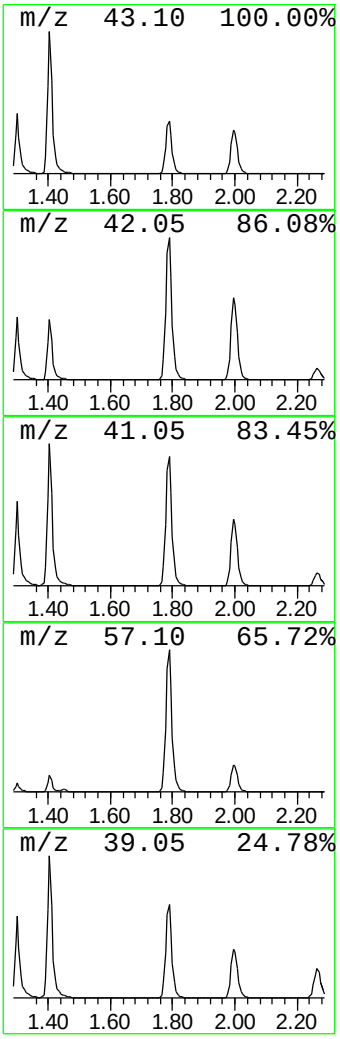
Peak Number 3 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	299.71 ug/l	4056640	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	36
3	3-Buten-1-ol	72	C4H8O	000627-27-0	25
4	1-Butene	56	C4H8	000106-98-9	9
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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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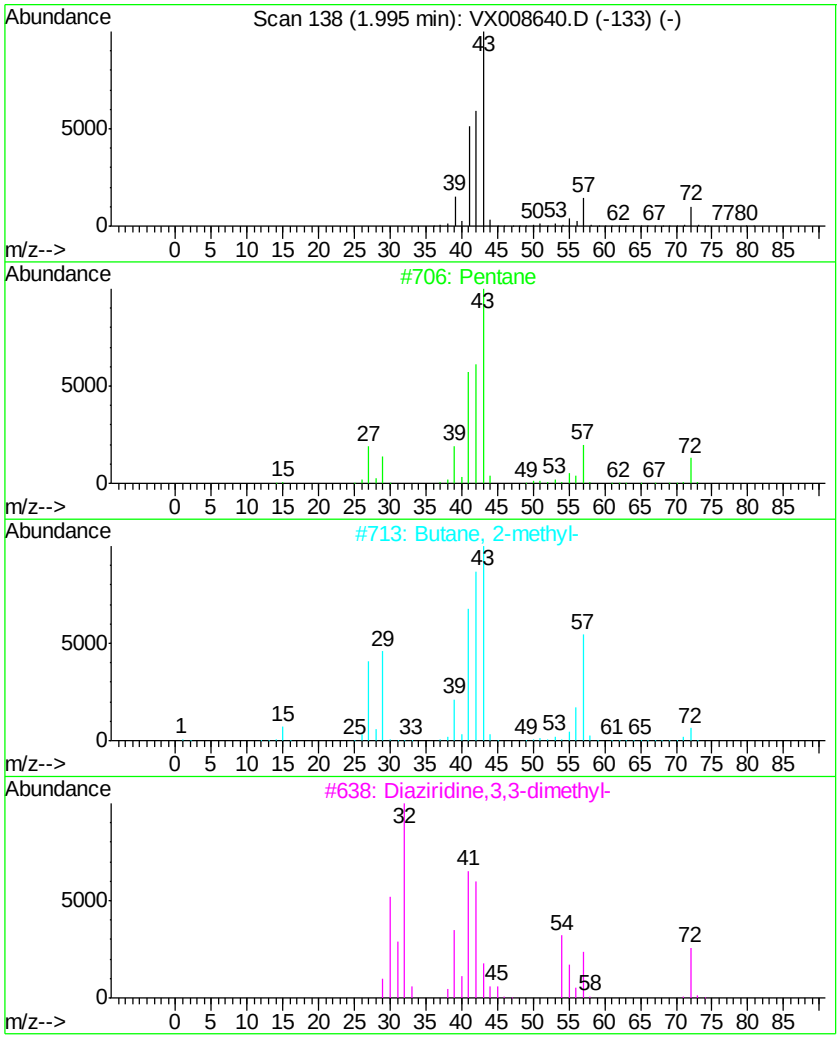
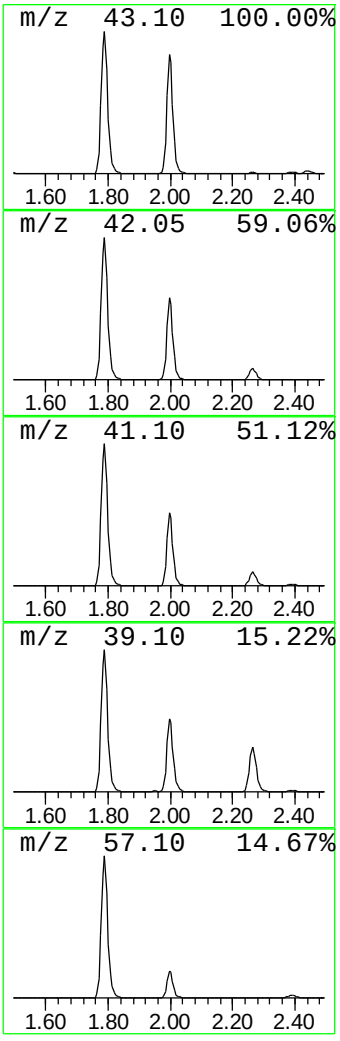
Peak Number 4 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	165.02 ug/l	2233600	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	38
3	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	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 : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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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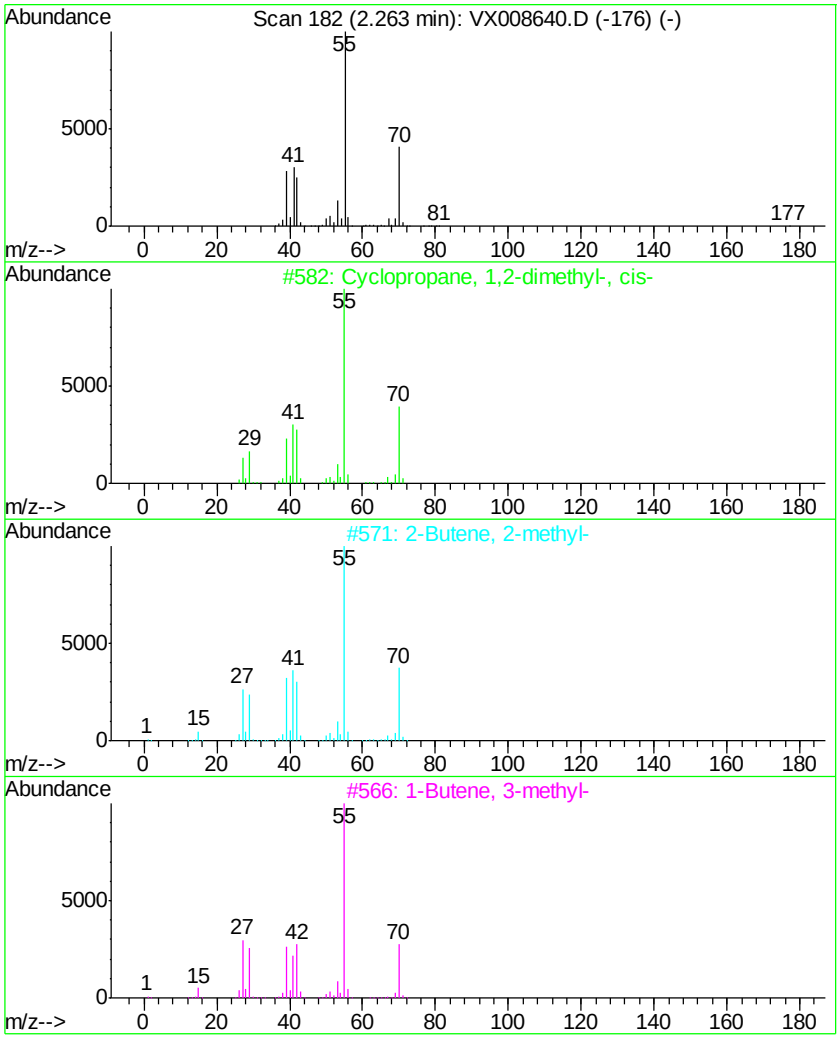
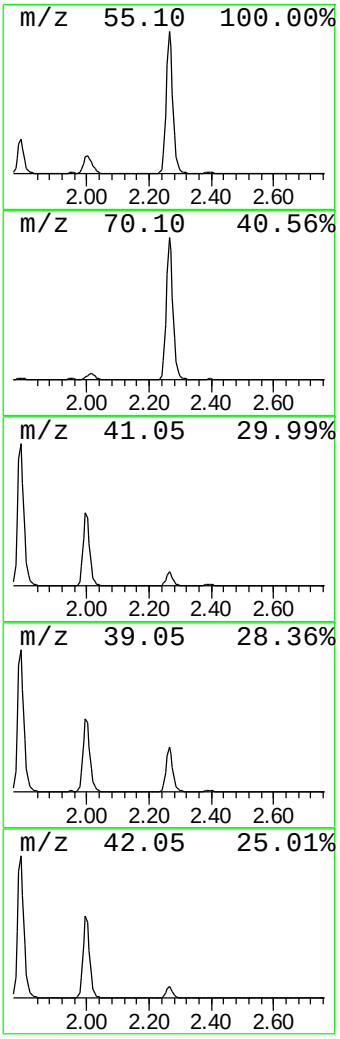
Peak Number 5 Cyclopropane, 1,2-dimethyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.26	59.20 ug/l	801319	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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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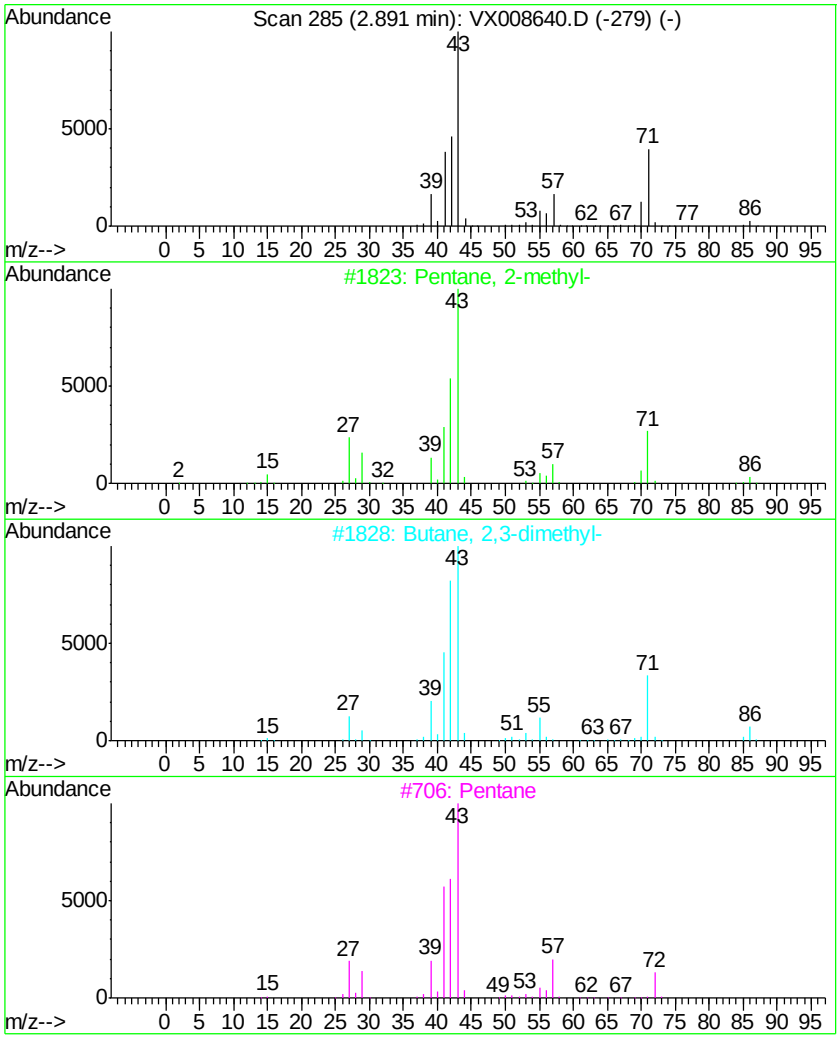
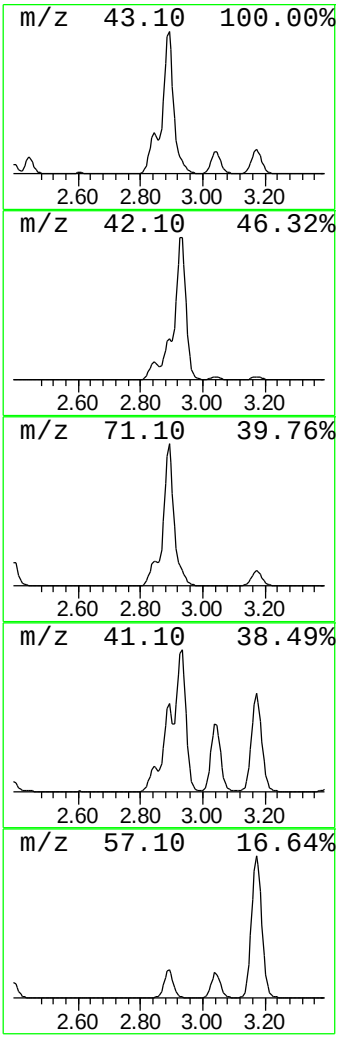
Peak Number 6 Pentane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	47.80 ug/l	647004	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
3	Pentane	72	C5H12	000109-66-0	49
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	33
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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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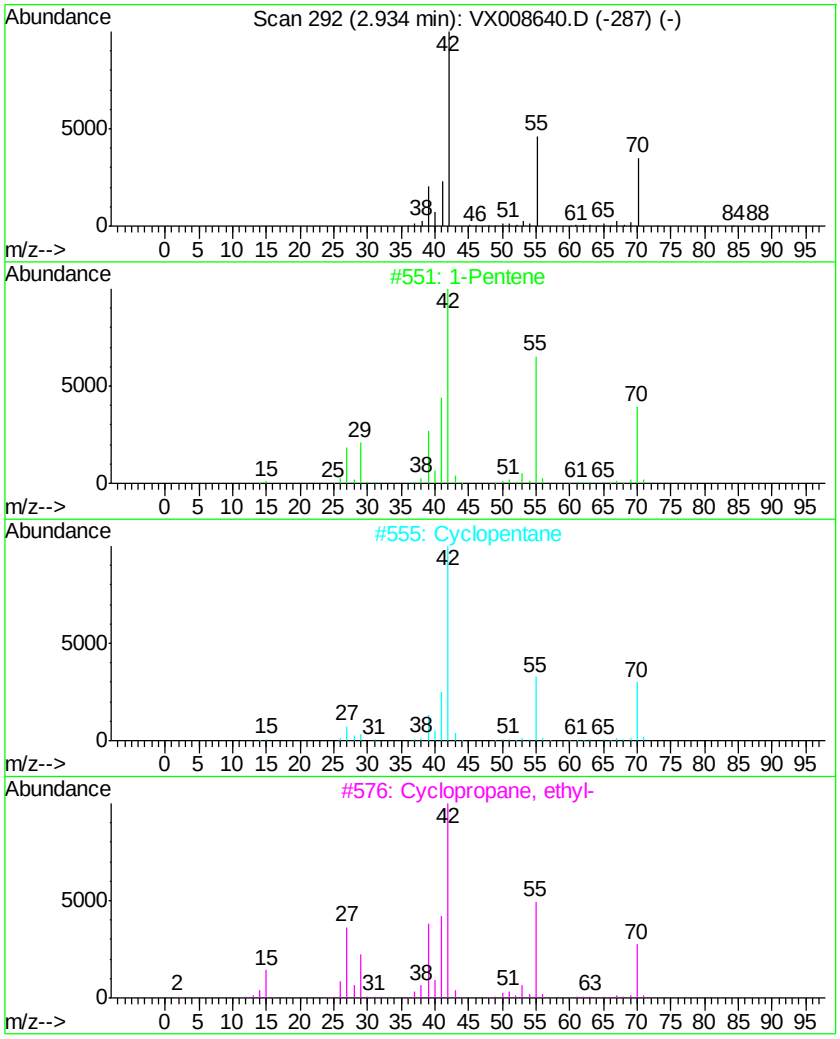
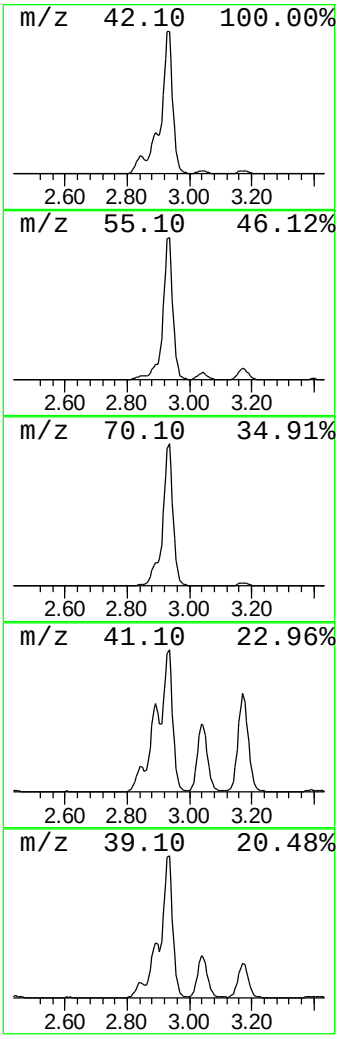
Peak Number 7 1-Pentene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	86.12 ug/l	1165670	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Cyclopentane	70	C5H10	000287-92-3	72
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	9
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	9
5	Cyclobutanone	70	C4H6O	001191-95-3	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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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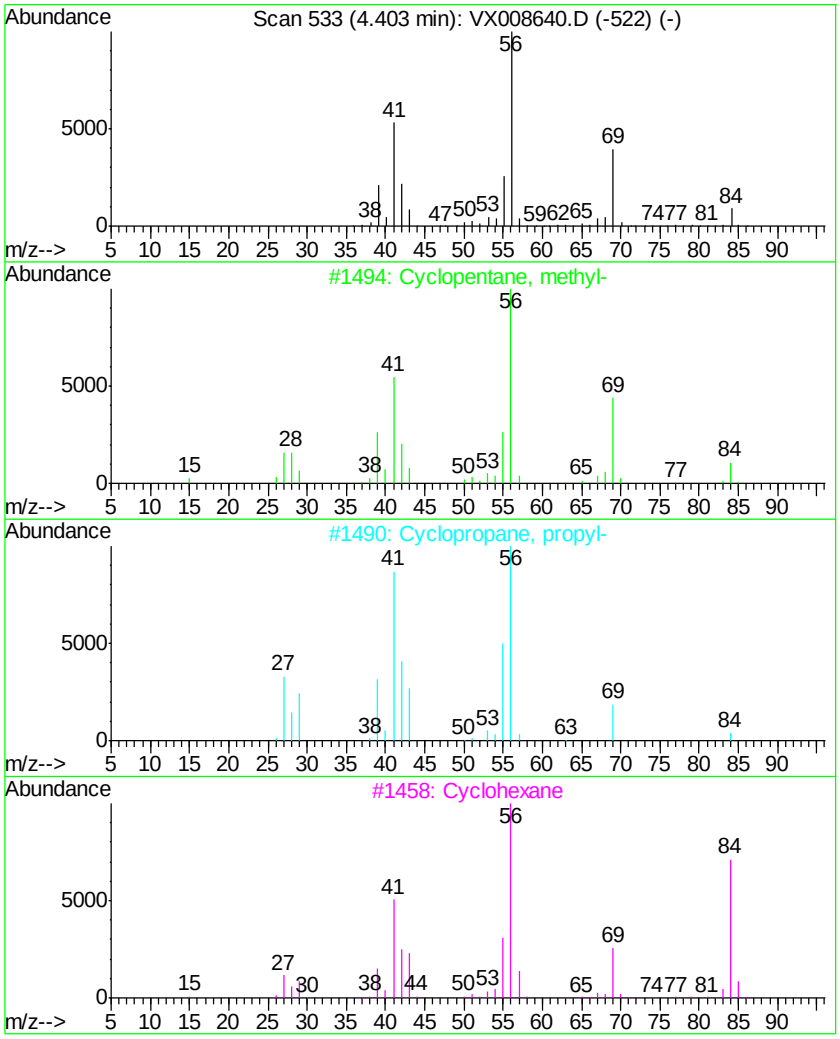
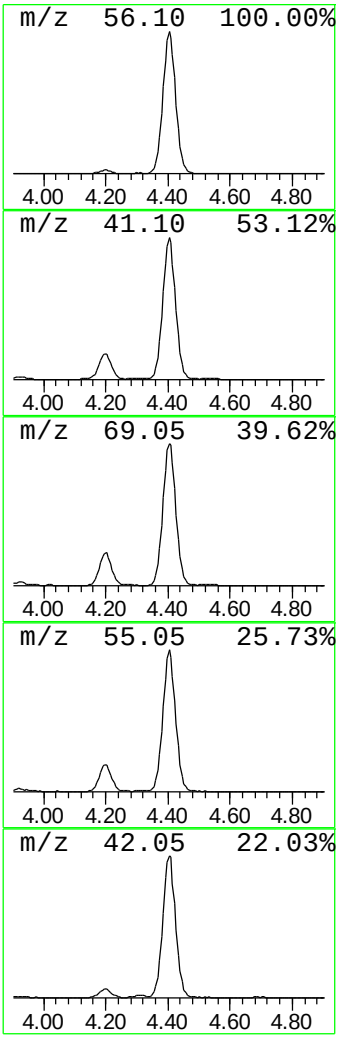
Peak Number 8 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	101.62 ug/l	1375430	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	Cyclohexane	84	C6H12	000110-82-7	78
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
5	Cyclobutane, butyl-	112	C8H16	013152-44-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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

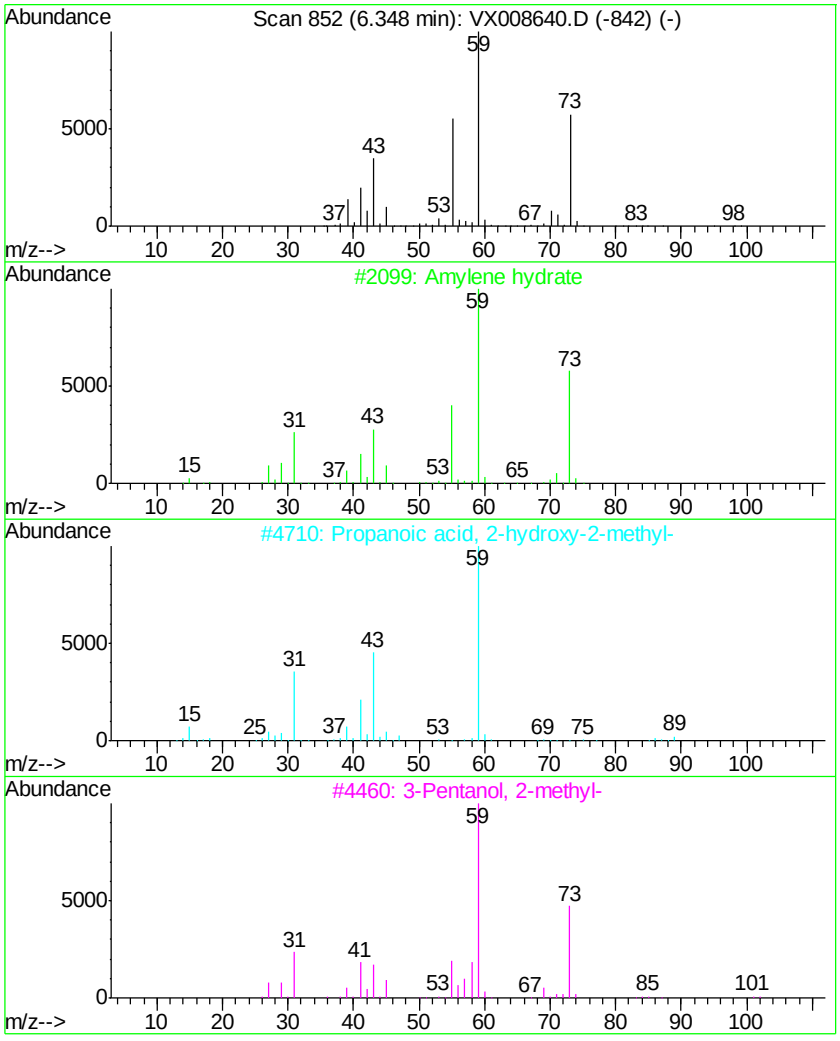
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

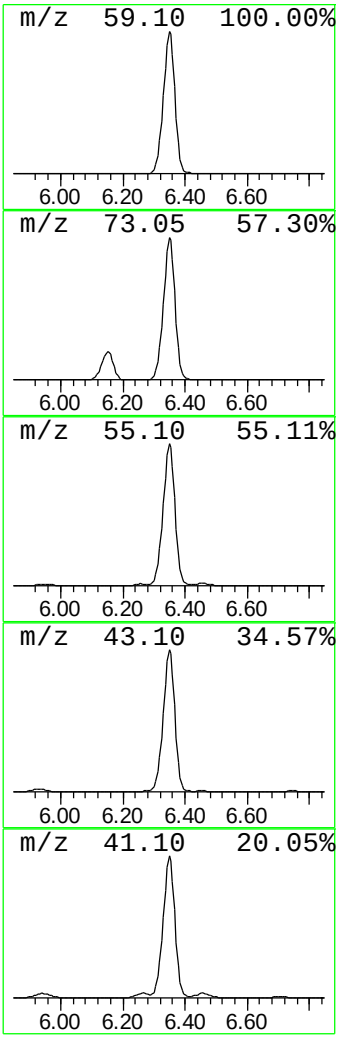
****

Peak Number 9 Amylene hydrate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	324.21 ug/l	5601420	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	83
2	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	40
3	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	39
4	1-Hepten-4-ol	114	C7H14O	003521-91-3	9
5	Butanamide	87	C4H9NO	000541-35-5	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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

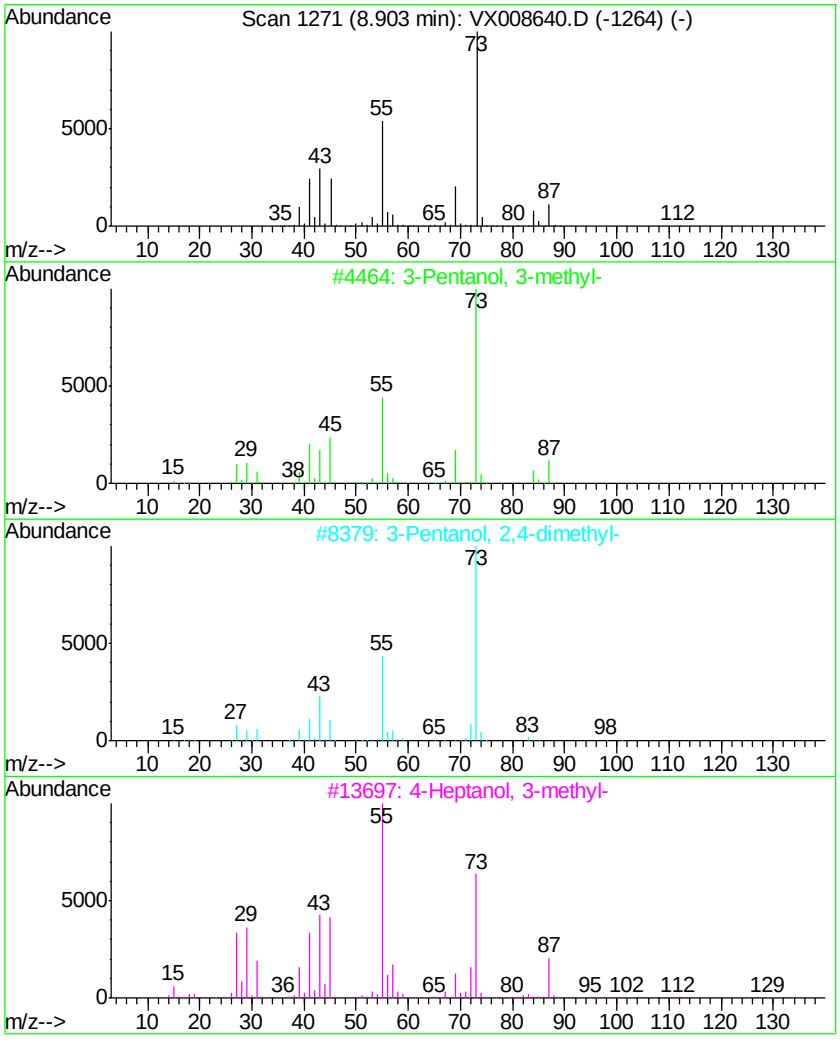
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

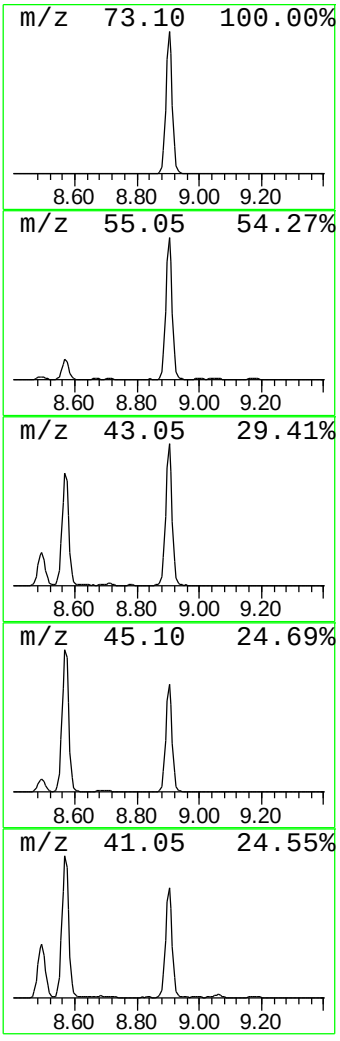
****

Peak Number 10 3-Pentanol, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	100.65 ug/l	1917970	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	90
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	47
3	4-Heptanol, 3-methyl-	130	C8H18O	001838-73-9	39
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
5	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	33





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008640.D
Acq On : 04 Apr 2019 16:54
Operator : JC/SP
Sample : K2263-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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
Isobutane	1.30	140.4	ug/l	1900680	1	5.67	676760	50.0
Butane	1.40	280.4	ug/l	3795100	1	5.67	676760	50.0
Butane, 2-methyl-	1.79	299.7	ug/l	4056640	1	5.67	676760	50.0
Pentane	2.00	165.0	ug/l	2233600	1	5.67	676760	50.0
Cyclopropane, 1,2...	2.26	59.2	ug/l	801319	1	5.67	676760	50.0
Pentane, 2-methyl-	2.89	47.8	ug/l	647004	1	5.67	676760	50.0
1-Pentene	2.93	86.1	ug/l	1165670	1	5.67	676760	50.0
Cyclopentane, met...	4.40	101.6	ug/l	1375430	1	5.67	676760	50.0
Amylene hydrate	6.35	324.2	ug/l	5601420	2	6.86	863849	50.0
3-Pentanol, 3-met...	8.90	100.7	ug/l	1917970	3	10.11	952755	50.0