LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

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\82X032519W.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	35	rBV	4486940	5596690	1.68%	0.554%
2	1.404	35	41	48	rVV	15898857	21384513	6.44%	2.115%
3	1.459	48	50	58	rVV	2848601	3372433	1.02%	0.334%
4	1.782	98	103	118	rVB	23484701	35222342	10.60%	3.484%
5	1.946	125	130	134	rBV	3848872	5325365	1.60%	0.527%
6	2.007	134	140	152	rVV2	8575970	18804772	5.66%	1.860%
7	2.111	152	157	166	rVV	11654183	17306975	5.21%	1.712%
8	2.208	167	173	177	rVV	7368111	11428333	3.44%	1.130%
9	2.263	177	182	197	rVB	24342677	39160593	11.79%	3.873%
10	2.812	256	272	281	rBV2	6607327	18011748	5.42%	1.781%
11	2.891	281	285	288	rVV	2561738	4959003	1.49%	0.490%
12	2.934	288	292	319	rVB2	3071390	9383594	2.83%	0.928%
13	3.172	321	331	354	rVB	1738477	4038344	1.22%	0.399%
14	3.818	431	437	446	rVB	1998172	4859634	1.46%	0.481%
15	4.196	490	499	510	rVV	1674259	4452851	1.34%	0.440%
16	4.409	524	534	547	rVV	3815057	11646597	3.51%	1.152%
17	5.305	670	681	698	rVB	2108037	6474647	1.95%	0.640%
18	5.586	718	727	737	rVV2	1109982	4164022	1.25%	0.412%
19	5.726	737	750	772	rVB4	755403	3737715	1.13%	0.370%
20	6.159	809	821	831	rVB	18266150	49728679	14.97%	4.919%
21	6.348	831	852	863	rVV3	2323946	10437992	3.14%	1.032%
22	8.866	1246	1265	1269	rVB4	70592583	332159492	100.00%	32.853%
23	10.262	1488	1494	1499	rVB	23314841	32905611	9.91%	3.255%
24	10.384	1504	1514	1519	rVB3	69624631	142553111	42.92%	14.100%
25	10.713	1561	1568	1573	rVB	45089883	67416368	20.30%	6.668%
26	11.359	1665	1674	1681	rBV	4606434	5563560	1.67%	0.550%
27	11.439	1681	1687	1694	rVV	19743579	35107074	10.57%	3.472%
28	11.512	1694	1699	1704	rVB	9197042	11099669	3.34%	1.098%
29	11.670	1719	1725	1735	rBV	8875021	10704774	3.22%	1.059%
30	11.817	1742	1749	1753	rBV	35253180	43979886	13.24%	4.350%
31	12.146	1797	1803	1808	rBV	10047302	12052687	3.63%	1.192%
32	12.298	1821	1828	1836	rBV2	9959203	13591646	4.09%	1.344%
33	13.347	1995	2000	2005	rVB2	3160042	4057561	1.22%	0.401%
34	13.834	2074	2080	2086	rBV	8529010	10360383	3.12%	1.025%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

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\82X032519W.M
Title : SW846 8260

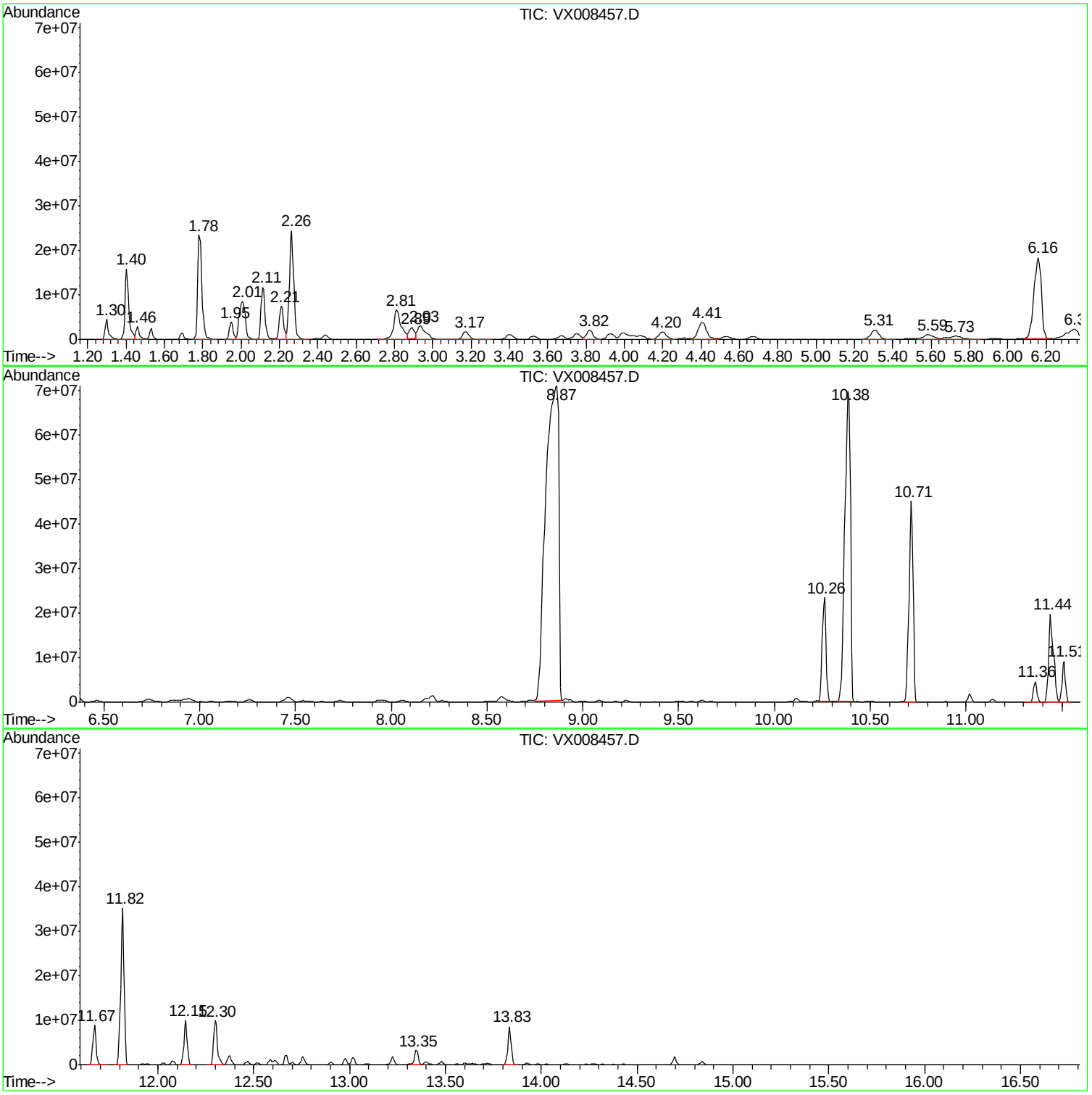
Sum of corrected areas: 1011048664

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.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\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

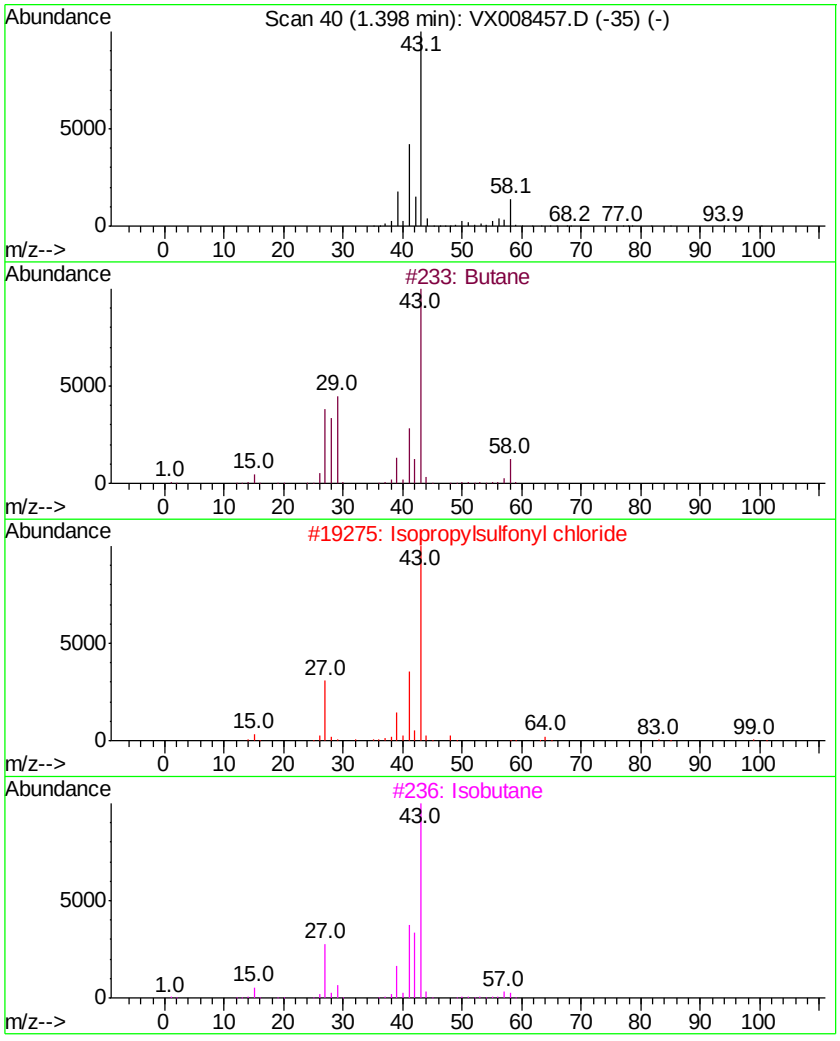
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

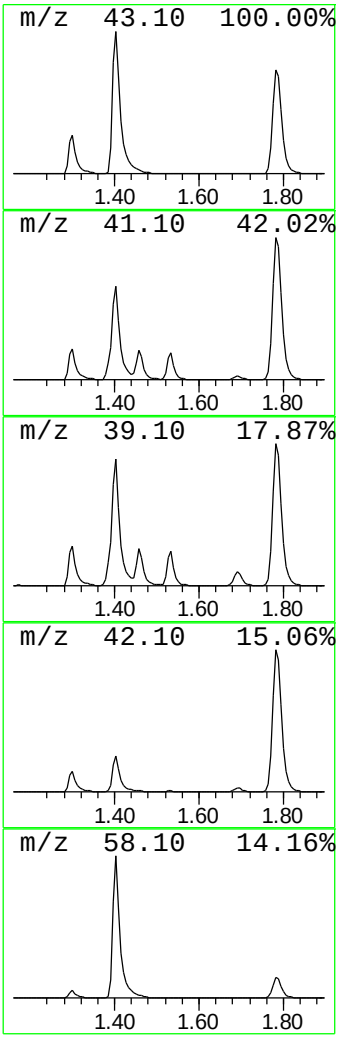
****

Peak Number 1 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	286.06 ug/l	21384500	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	86
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	Acetone	58	C3H6O	000067-64-1	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

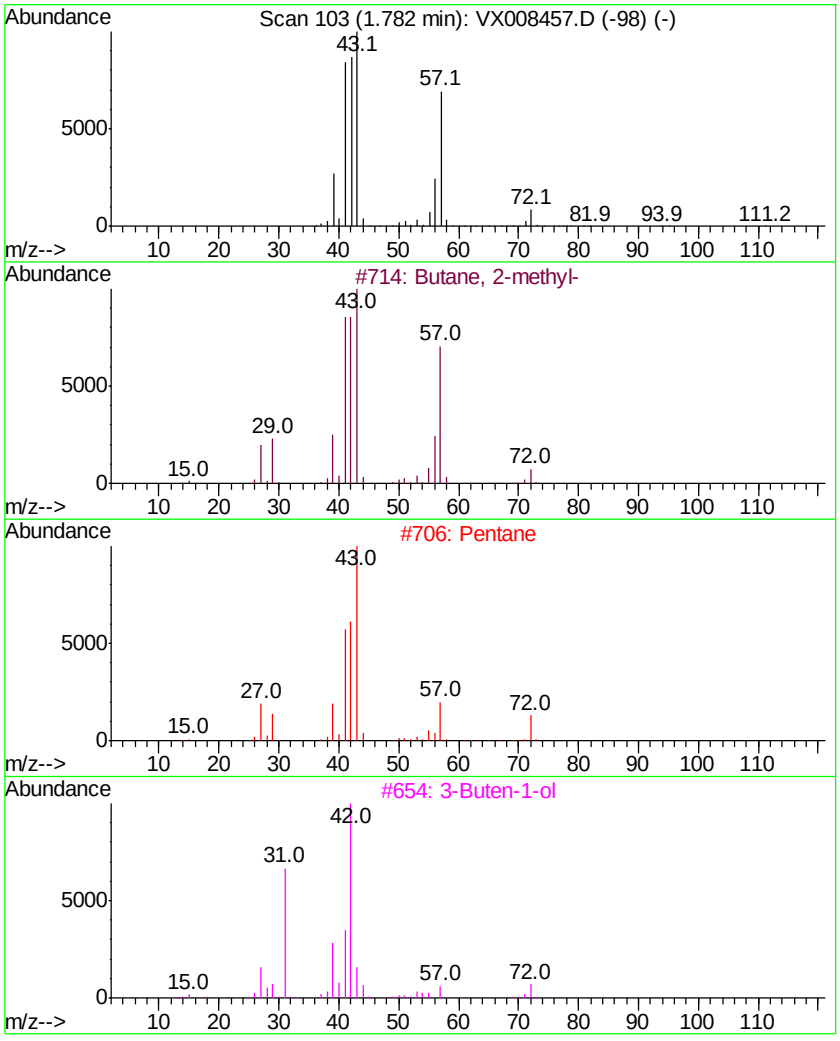
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

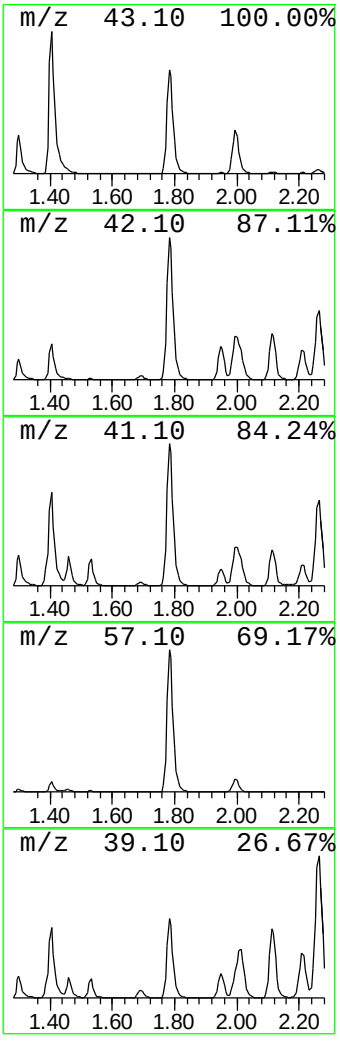
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	471.18 ug/l	35222300	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	56
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\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

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

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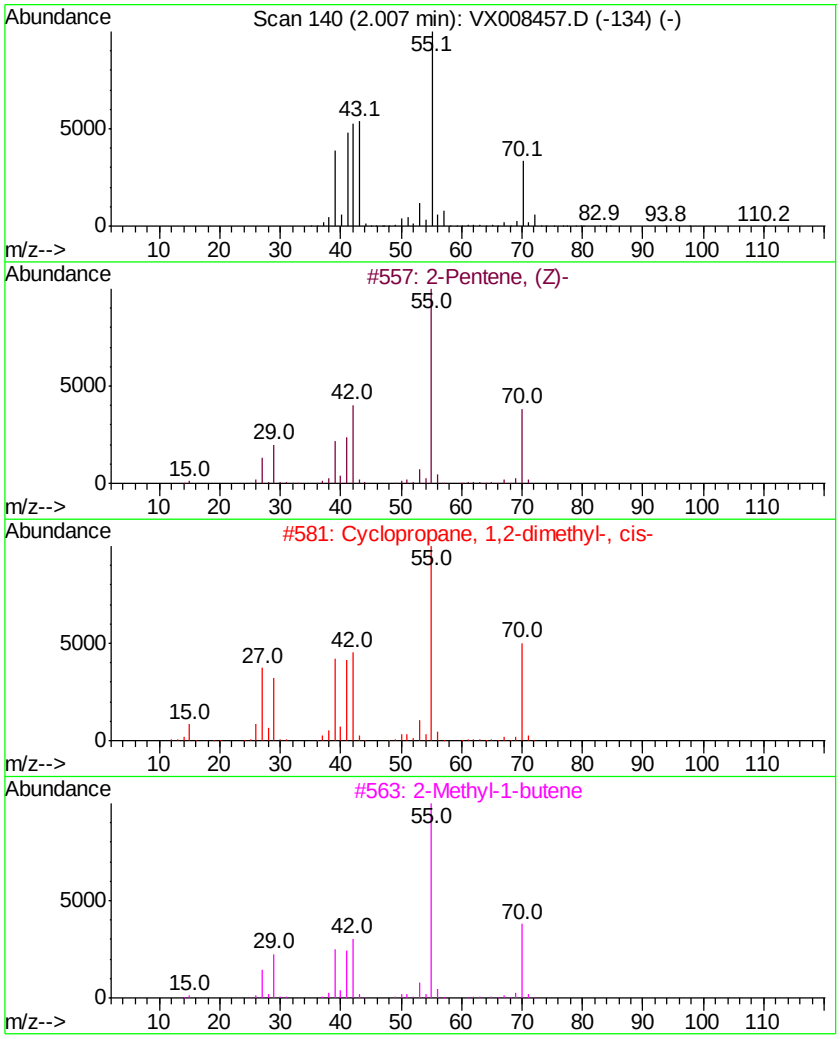
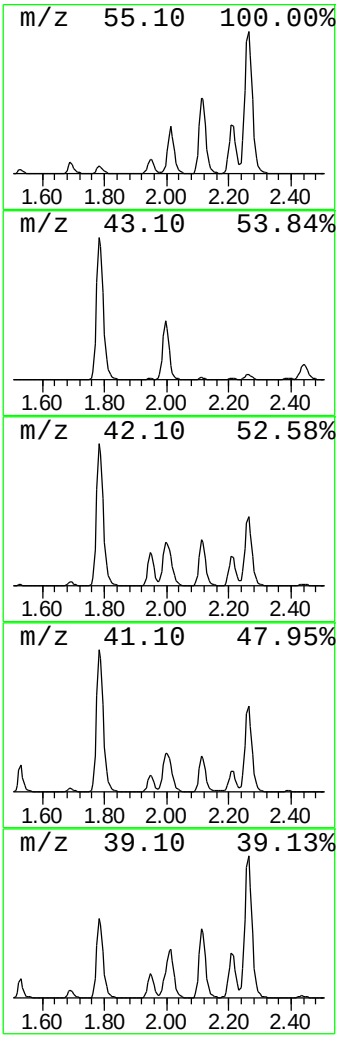
Peak Number 3 2-Pentene, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	251.55 ug/l	18804800	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
3	2-Methyl-1-butene	70	C5H10	000563-46-2	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
5	2-Pentene, (E)-	70	C5H10	000646-04-8	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

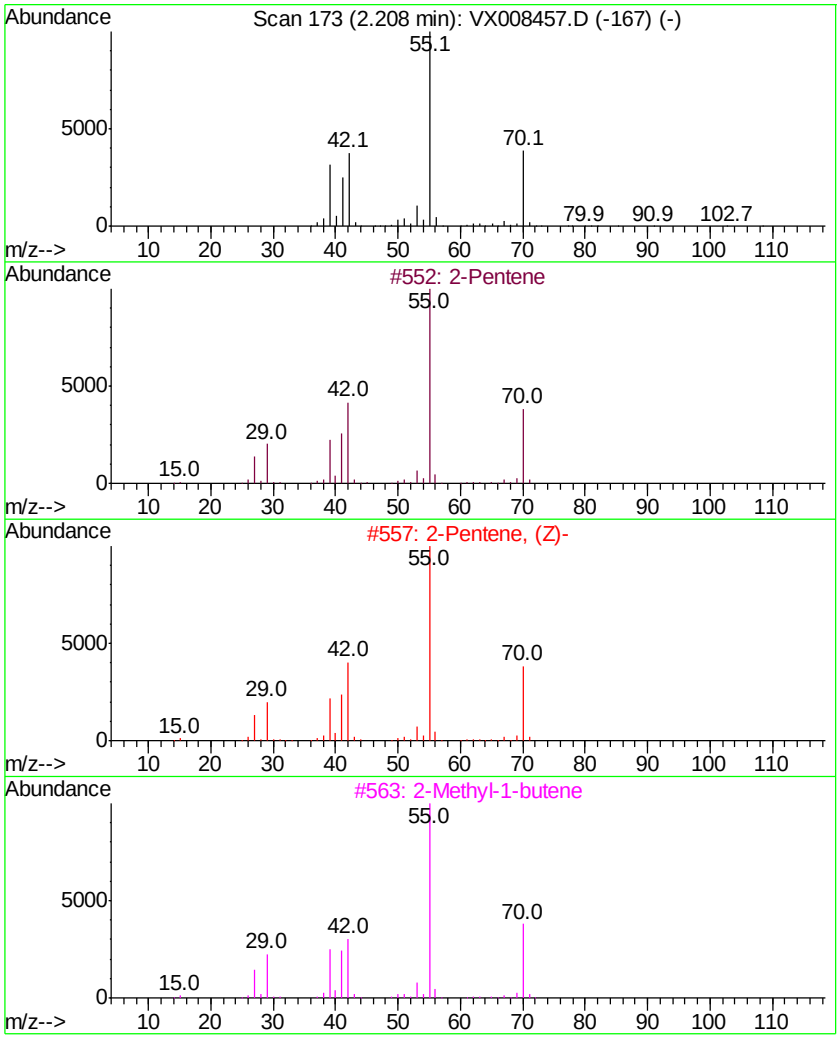
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

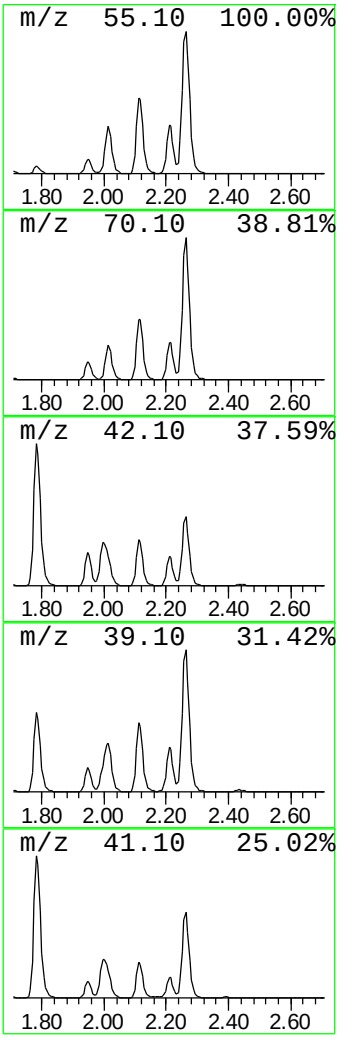
****

Peak Number 5 2-Pentene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	152.88 ug/l	11428300	Pentafluorobenzene	5.67

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

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

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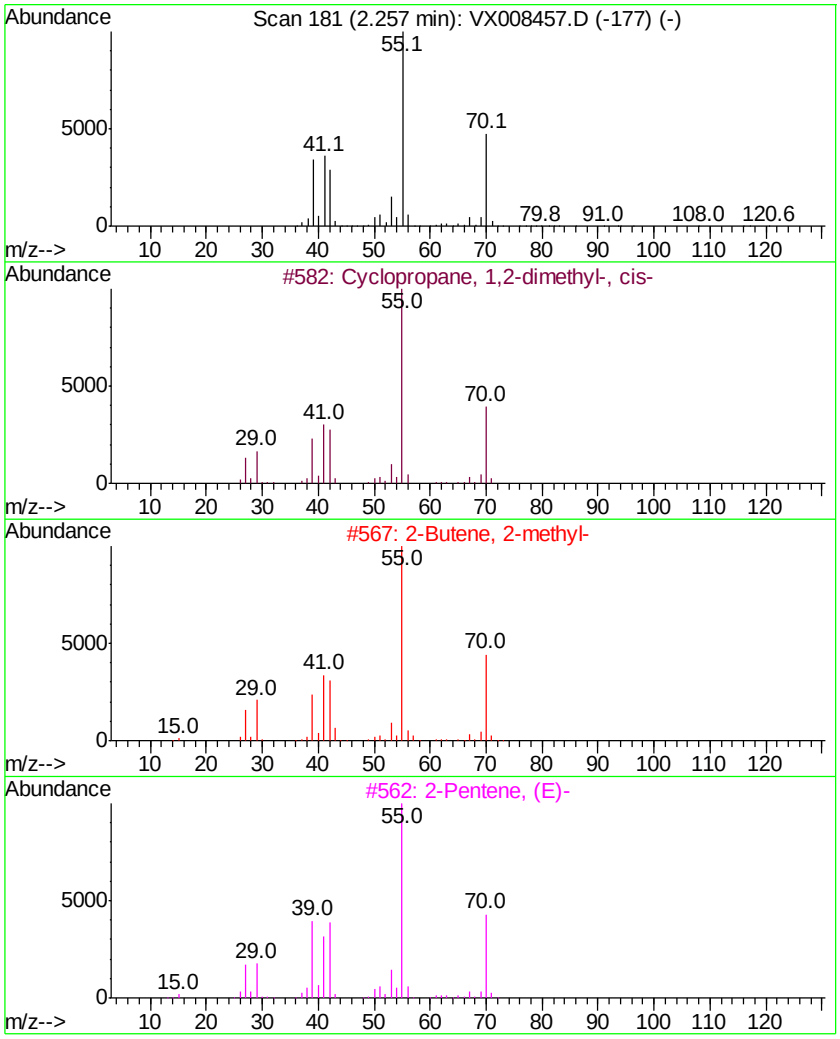
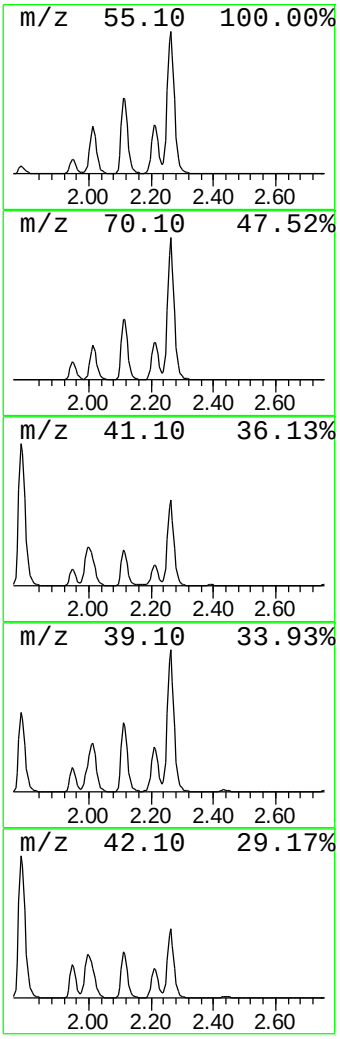
Peak Number 6 Cyclopropane, 1,2-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.26	523.86 ug/l	39160600	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	2-Pentene, (E)-	70	C5H10	000646-04-8	90
4	2-Methyl-1-butene	70	C5H10	000563-46-2	86
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

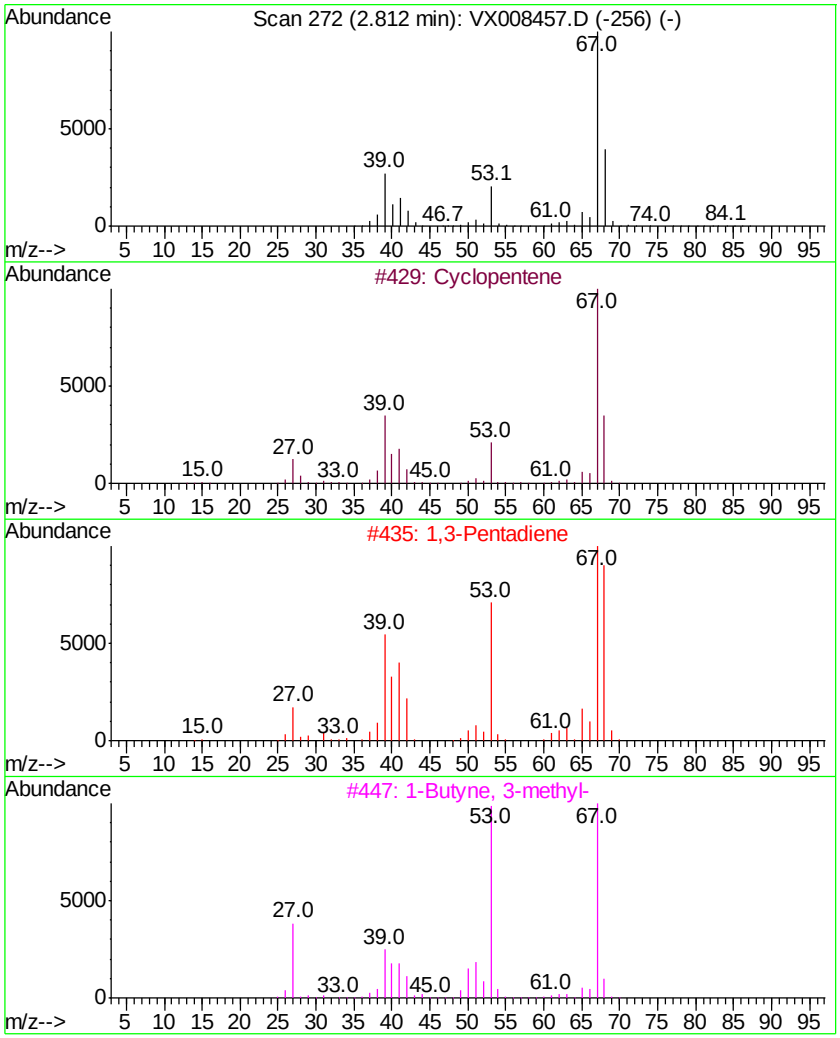
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

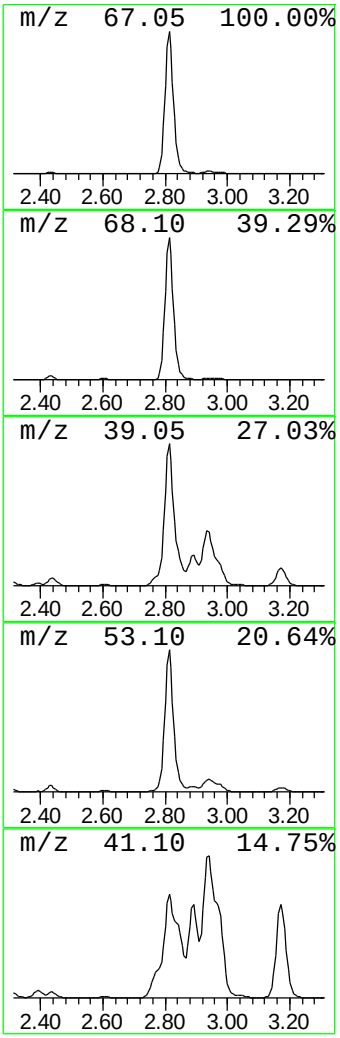
****

Peak Number 7 Cyclopentene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.81	240.95 ug/l	18011700	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	1,3-Pentadiene	68	C5H8	000504-60-9	59
3	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	59
4	1,4-Pentadiene	68	C5H8	000591-93-5	58
5	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

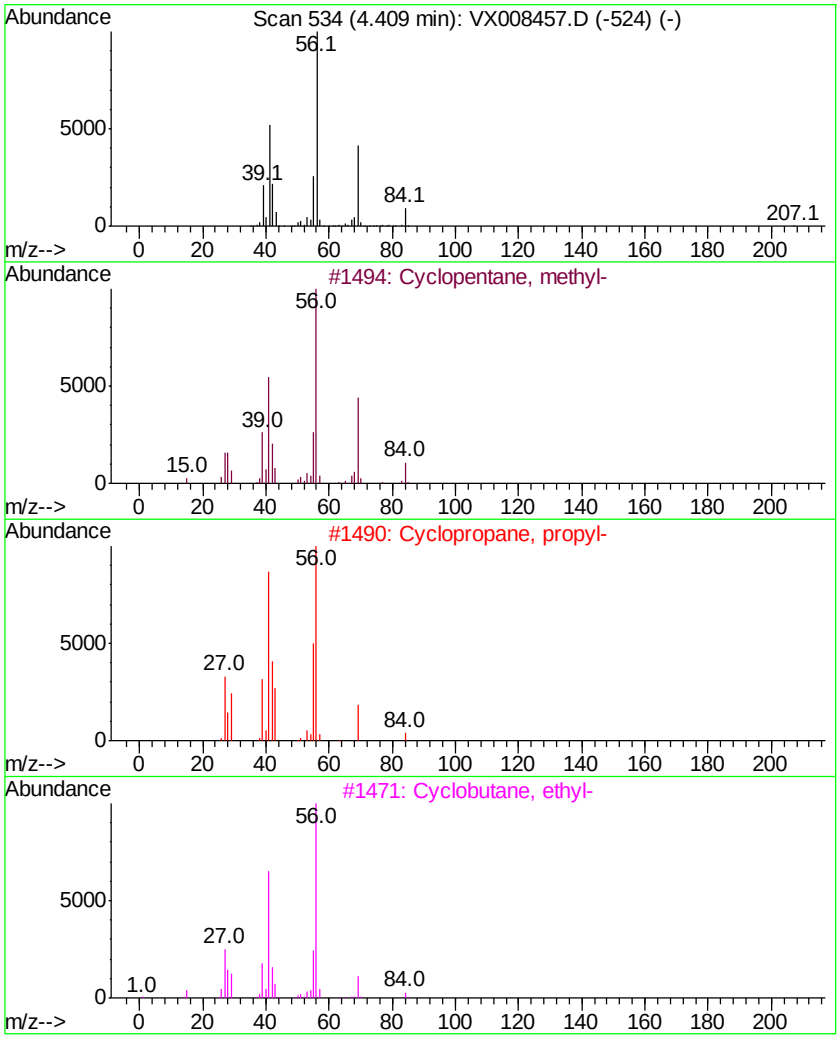
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

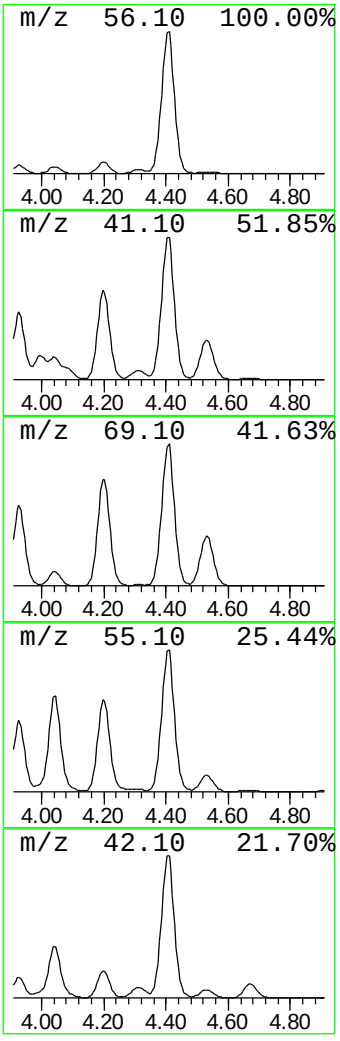
****

Peak Number 8 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	155.80 ug/l	11646600	Pentafluorobenzene	5.67

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	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260

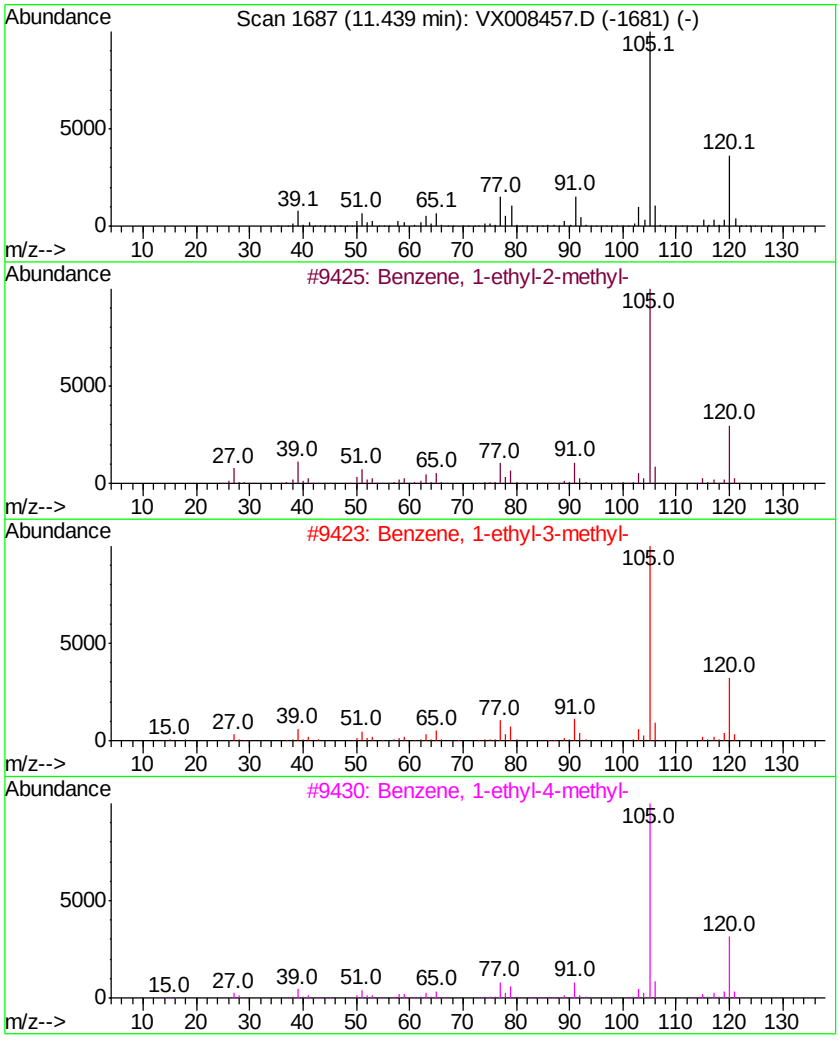
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

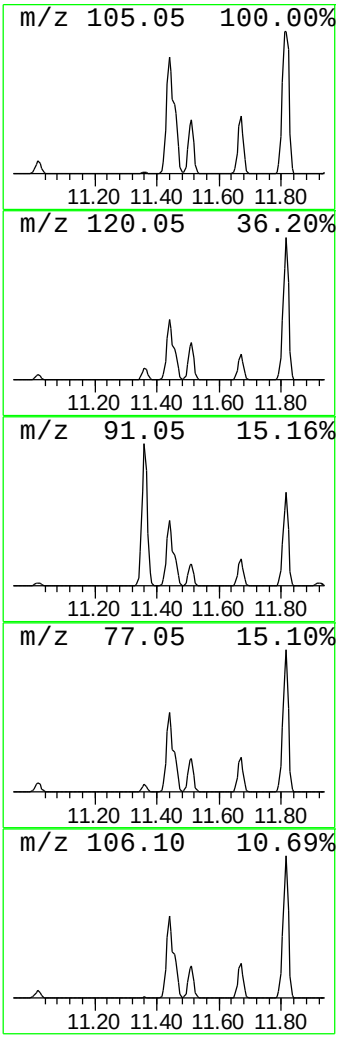
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	145.64 ug/l	35107100	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	94
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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008457.D
Acq On : 26 Mar 2019 15:16
Operator : JC/SP
Sample : K2089-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-106

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.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	286.1	ug/l	21384500	1	5.67	3737720	50.0
Butane, 2-methyl-	1.78	471.2	ug/l	35222300	1	5.67	3737720	50.0
2-Pentene, (Z)-	2.01	251.6	ug/l	18804800	1	5.67	3737720	50.0
2-Pentene	2.21	152.9	ug/l	11428300	1	5.67	3737720	50.0
Cyclopropane, 1,2...	2.26	523.9	ug/l	39160600	1	5.67	3737720	50.0
Cyclopentene	2.81	240.9	ug/l	18011700	1	5.67	3737720	50.0
Cyclopentane, met...	4.41	155.8	ug/l	11646600	1	5.67	3737720	50.0
Benzene, 1-ethyl-...	11.44	145.6	ug/l	35107100	4	12.08	12052700	50.0