LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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	1.404	35	41	48	rVV	13279995	17417780	5.07%	1.477%
2	1.788	98	104	118	rBV	21369354	32790322	9.55%	2.781%
3	1.946	125	130	134	rBV	3210799	4456446	1.30%	0.378%
4	2.001	134	139	152	rVV3	6579772	13706283	3.99%	1.162%
5	2.111	152	157	166	rVV	10588920	15807783	4.60%	1.341%
6	2.208	168	173	177	rVV	6720776	10311261	3.00%	0.874%
7	2.263	177	182	197	rVB	20812713	33564774	9.78%	2.846%
8	2.812	257	272	281	rBV2	7451525	20319711	5.92%	1.723%
9	2.891	281	285	288	rVV	2720456	5314129	1.55%	0.451%
10	2.934	288	292	320	rVB2	3160455	9944396	2.90%	0.843%
11	3.178	321	332	353	rVB2	2120974	5641155	1.64%	0.478%
12	3.818	431	437	447	rVB	2115637	5232225	1.52%	0.444%
13	4.202	490	500	510	rBV	1839038	4986595	1.45%	0.423%
14	4.409	524	534	546	rVV	4183334	12366635	3.60%	1.049%
15	5.312	670	682	699	rVB	2001038	6301375	1.84%	0.534%
16	5.586	718	727	737	rVV2	1345238	4893666	1.43%	0.415%
17	5.732	739	751	773	rVB5	766533	3788989	1.10%	0.321%
18	6.214	799	830	838	rBV2	51672279	221469159	64.50%	18.781%
19	6.348	838	852	864	rVV5	2347009	10771637	3.14%	0.913%
20	7.464	1024	1035	1050	rBV5	1224395	3736756	1.09%	0.317%
21	8.214	1154	1158	1175	rVB2	1666823	4339899	1.26%	0.368%
22	8.579	1210	1218	1230	rVB3	1278501	3485716	1.02%	0.296%
23	8.866	1246	1265	1270	rVV3	72292845	343342047	100.00%	29.116%
24	10.256	1488	1493	1499	rVB	17532590	24934937	7.26%	2.114%
25	10.390	1505	1515	1519	rVB3	70438312	148581369	43.28%	12.600%
26	10.713	1561	1568	1573	rVB2	46213009	72111654	21.00%	6.115%
27	11.439	1681	1687	1694	rVV	20652357	36128980	10.52%	3.064%
28	11.506	1694	1698	1705	rVB	9110018	11459193	3.34%	0.972%
29	11.670	1719	1725	1734	rBV	9024184	10873214	3.17%	0.922%
30	11.817	1742	1749	1753	rBV	33580163	42944026	12.51%	3.642%
31	12.146	1797	1803	1808	rBV	10015464	12127915	3.53%	1.028%
32	12.298	1821	1828	1836	rBV2	9423684	12747743	3.71%	1.081%
33	13.347	1995	2000	2005	rVB2	2809105	3709108	1.08%	0.315%
34	13.834	2074	2080	2087	rBV	8069765	9633669	2.81%	0.817%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

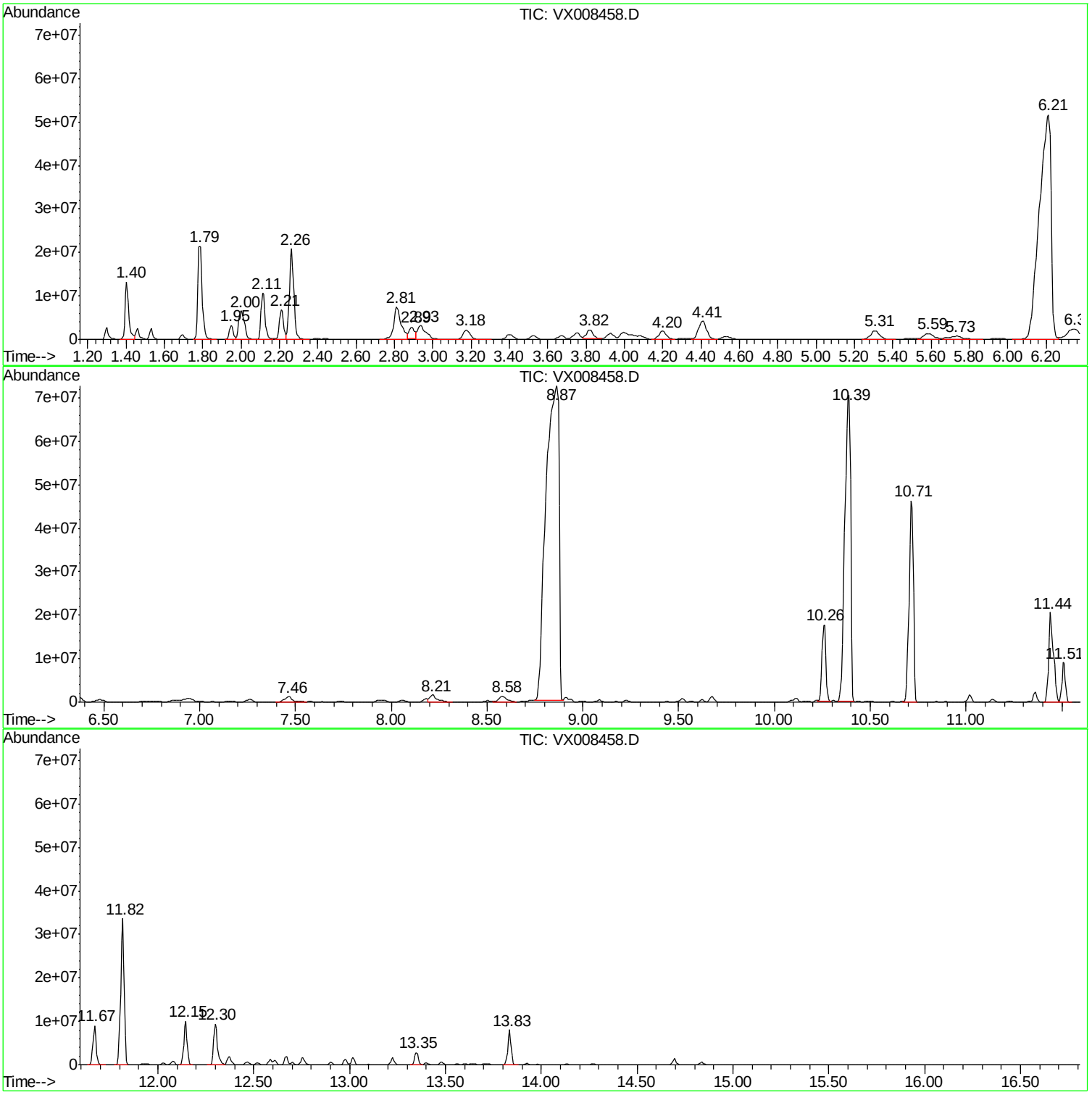
Sum of corrected areas: 1179240547

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-107

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 : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

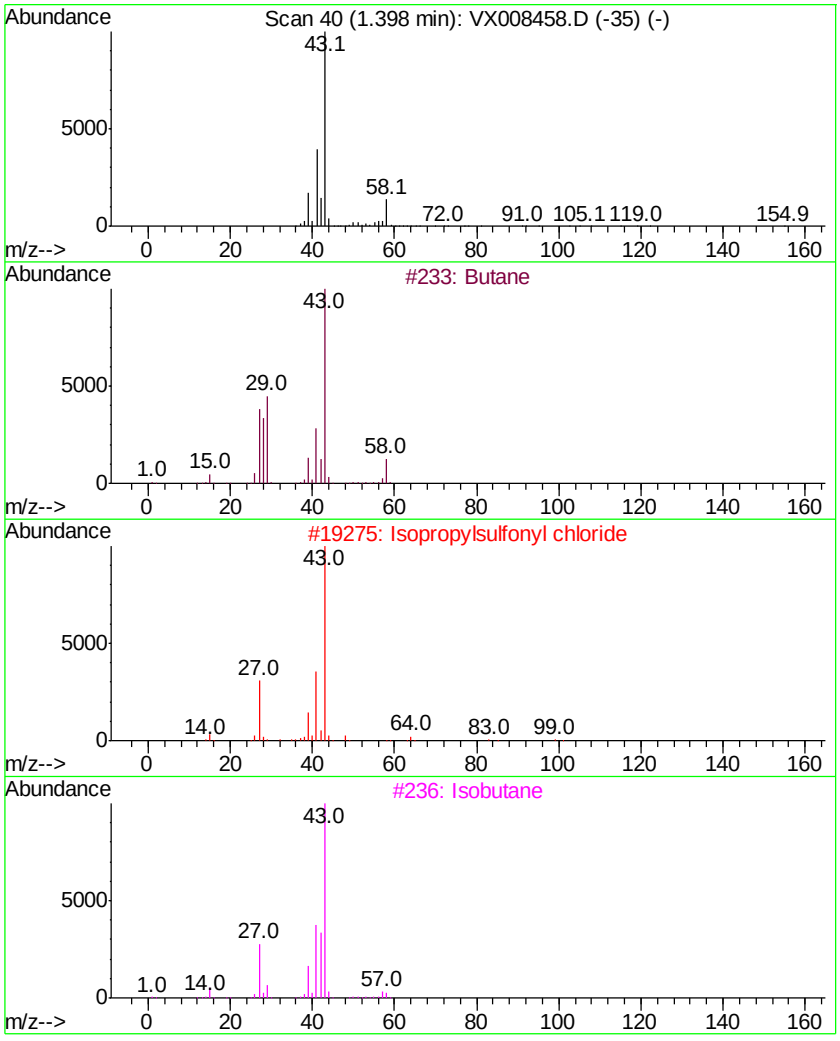
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

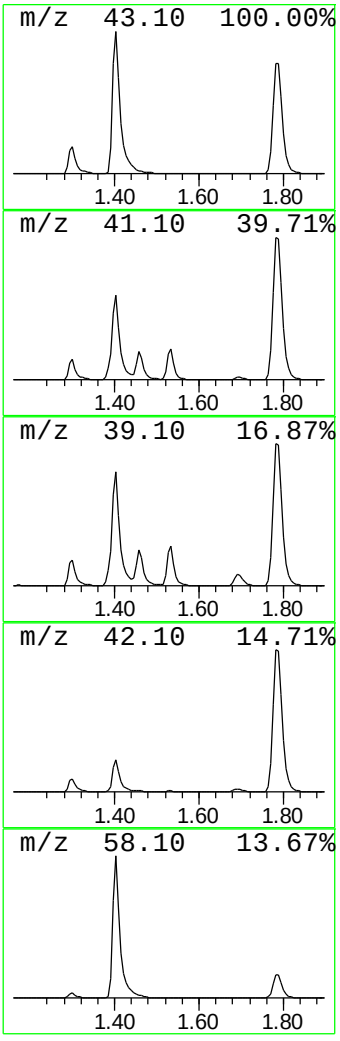
****

Peak Number 1 Butane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	229.85 ug/l	17417800	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	Diazene, dimethyl-	58	C2H6N2	000503-28-6	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

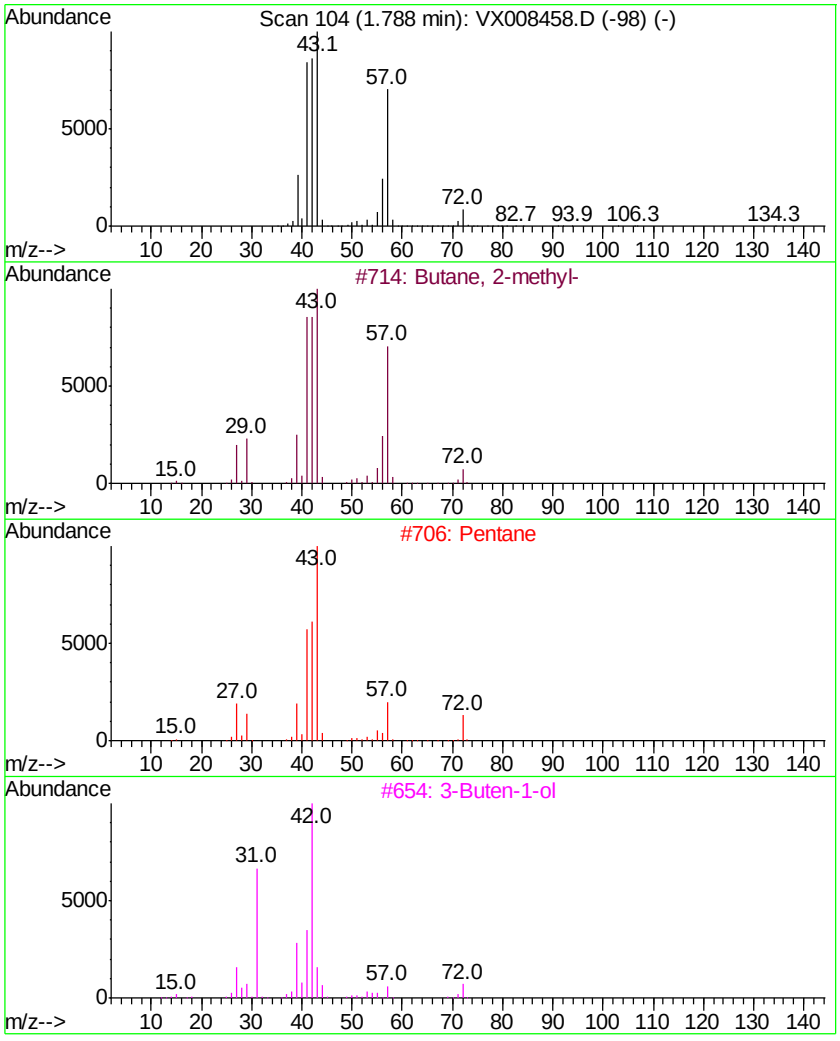
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

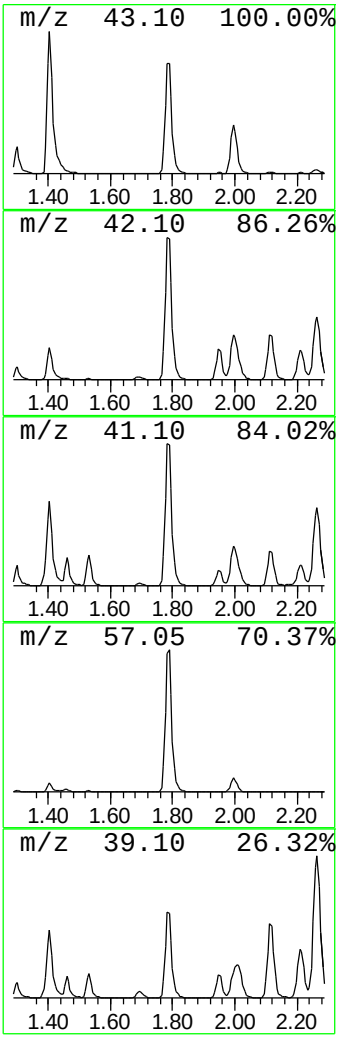
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	432.71 ug/l	32790300	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	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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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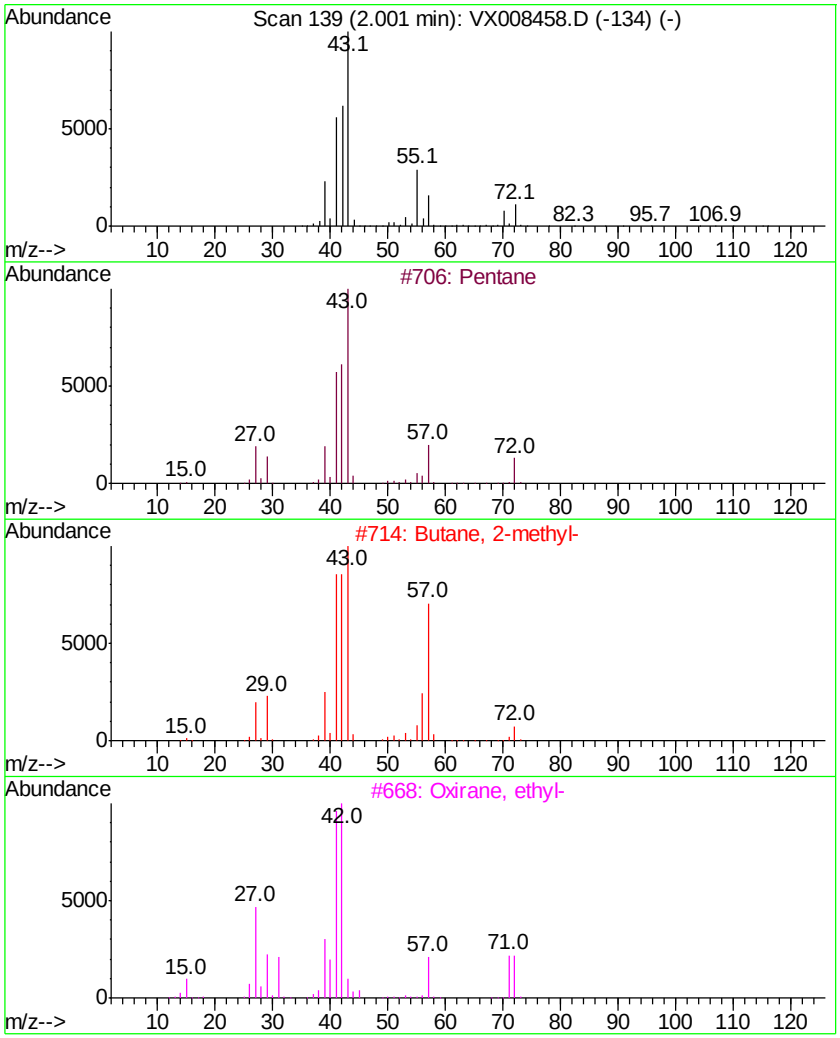
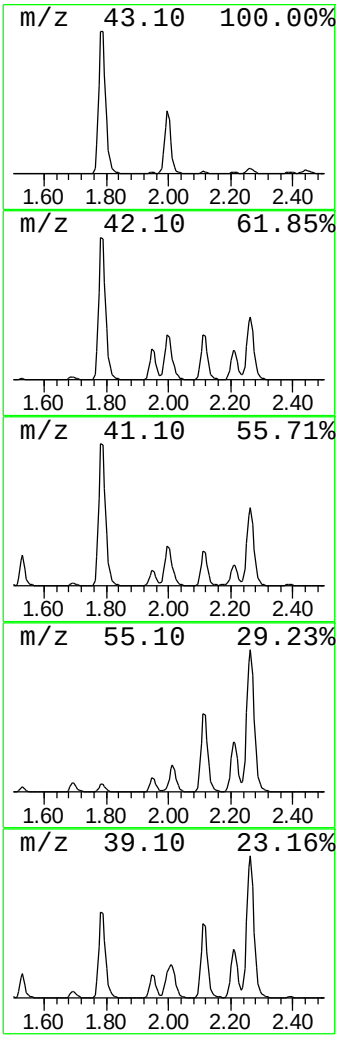
Peak Number 3 Pentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	180.87 ug/l	13706300	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	53
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	47
4	1-Pentene	70	C5H10	000109-67-1	43
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

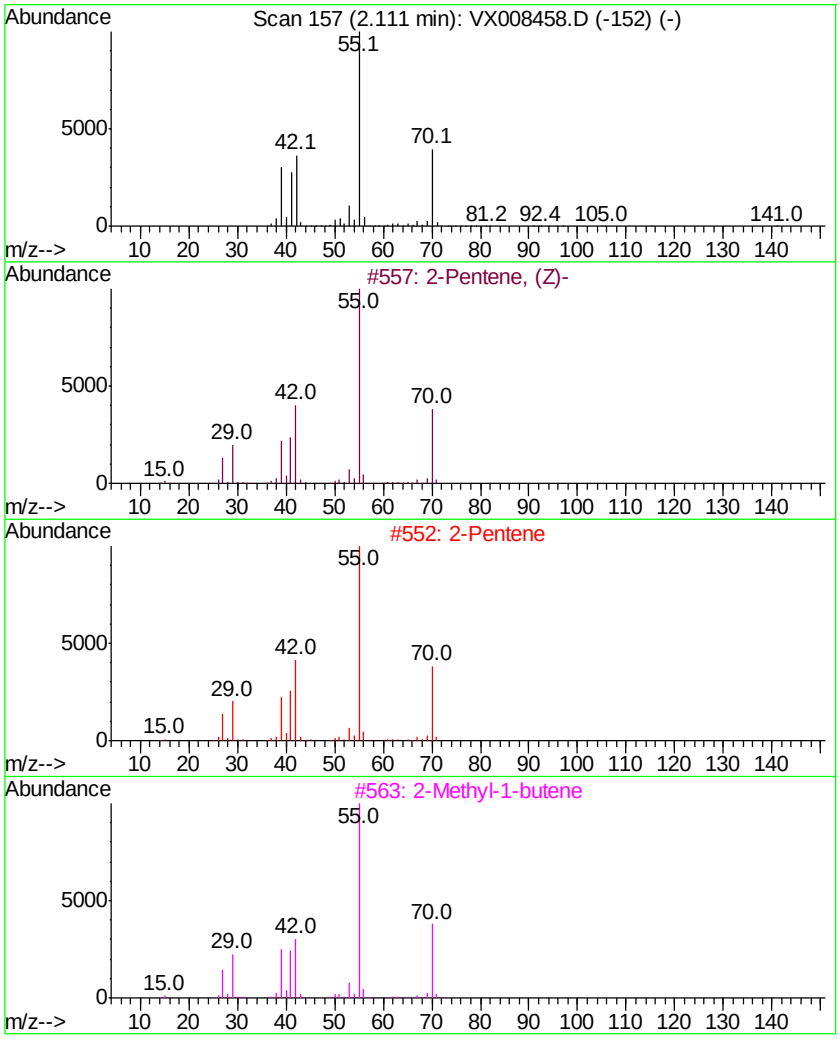
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

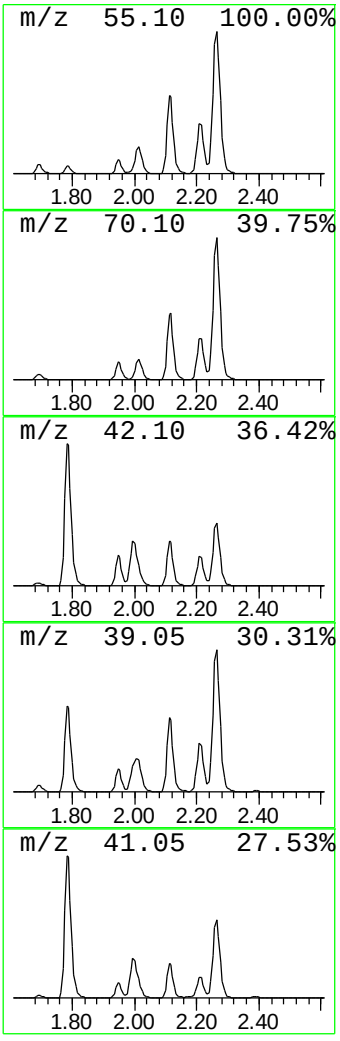
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.11	208.60 ug/l	15807800	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
2	2-Pentene	70	C5H10	000109-68-2	91
3	2-Methyl-1-butene	70	C5H10	000563-46-2	91
4	2-Pentene, (E)-	70	C5H10	000646-04-8	90
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

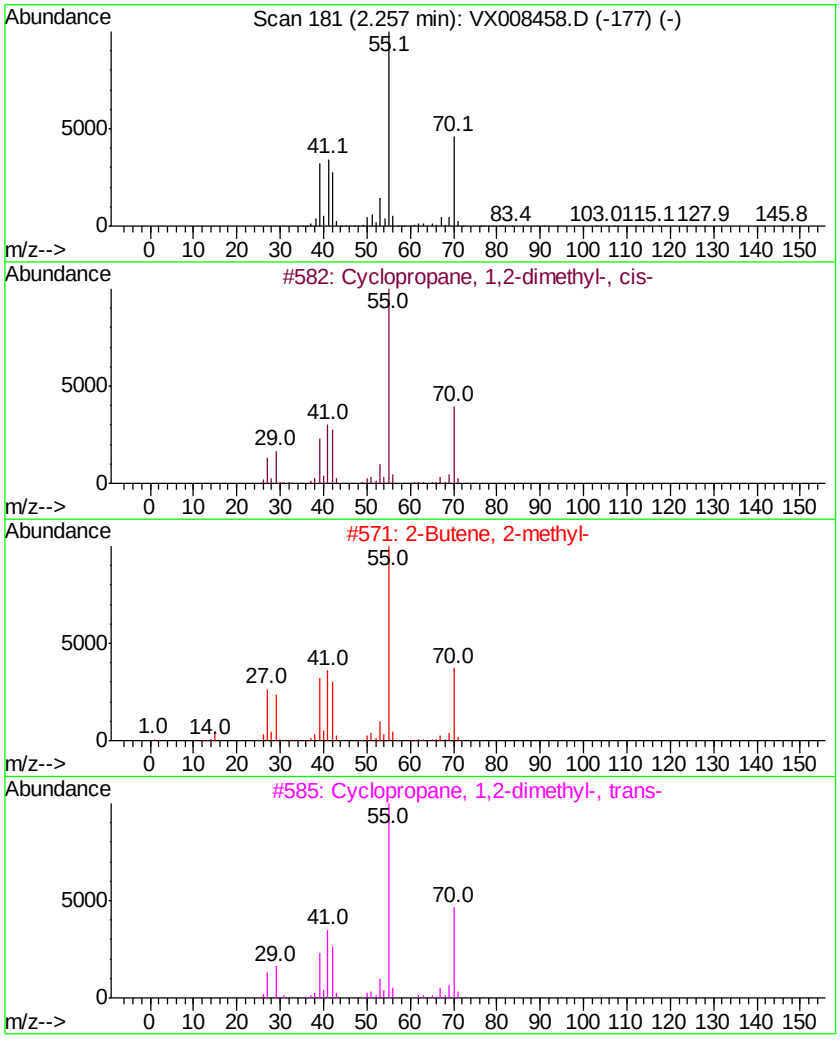
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

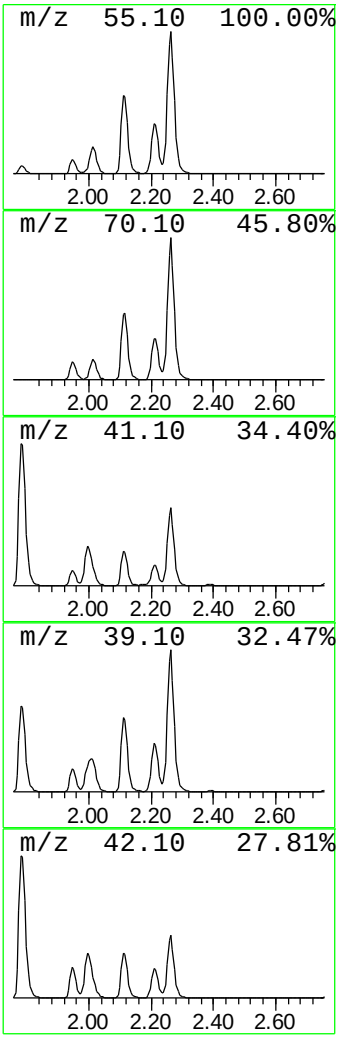
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.26	442.93 ug/l	33564800	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	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	86
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

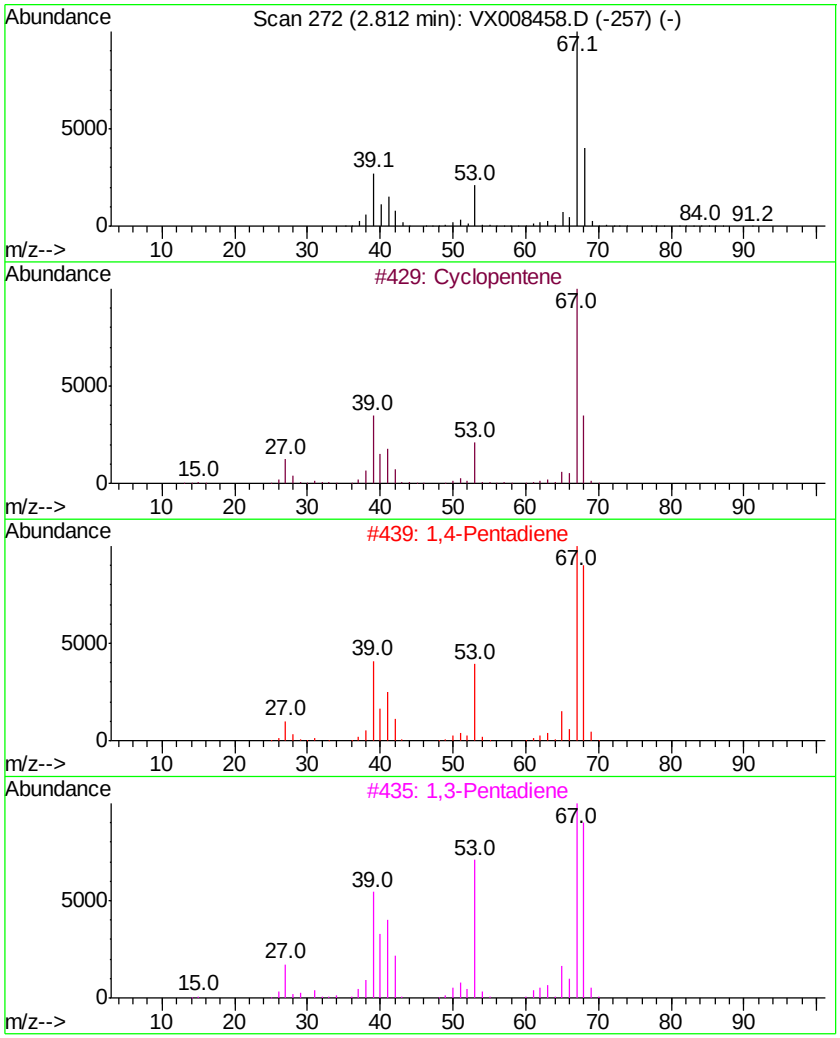
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

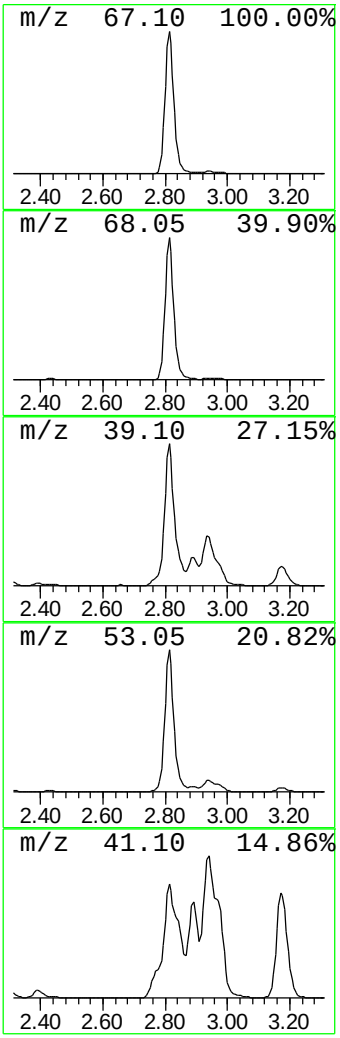
****

Peak Number 6 Cyclopentene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.81	268.14 ug/l	20319700	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	1,4-Pentadiene	68	C5H8	000591-93-5	62
3	1,3-Pentadiene	68	C5H8	000504-60-9	59
4	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	53
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

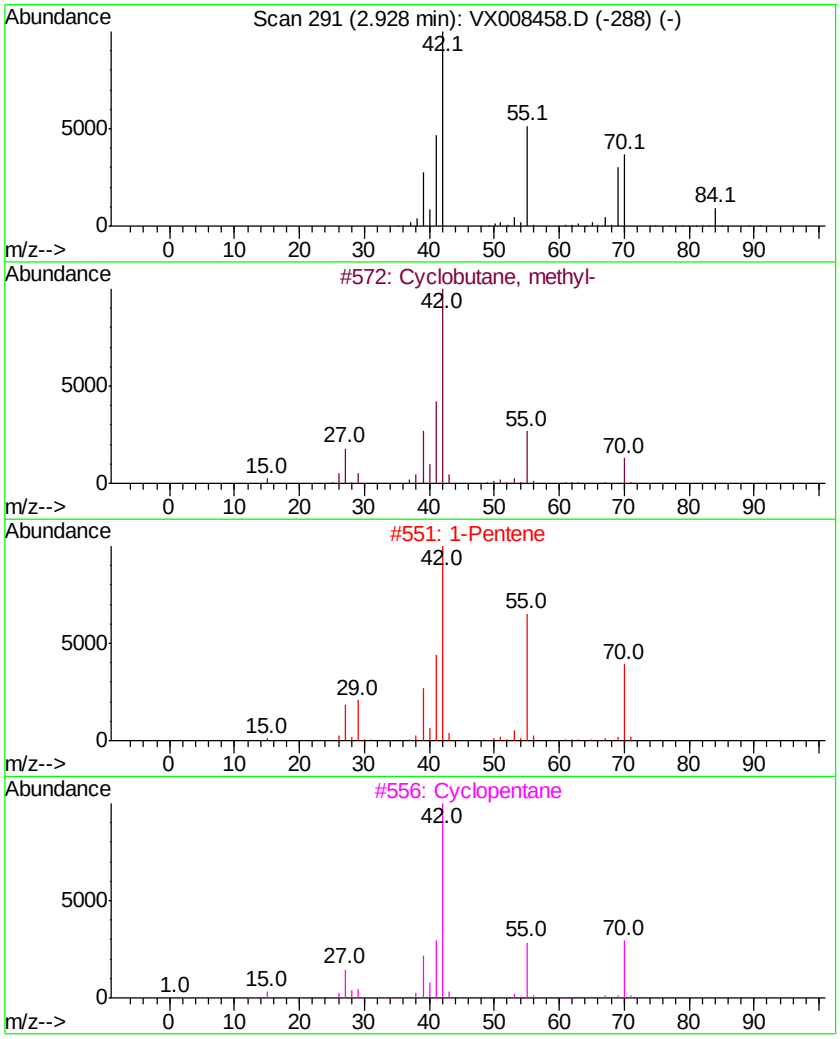
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

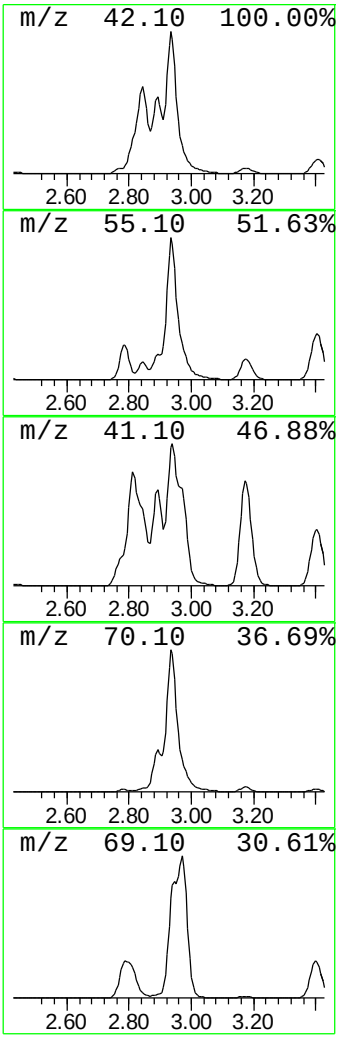
****

Peak Number 7 Cyclobutane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	131.23 ug/l	9944400	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
2	1-Pentene	70	C5H10	000109-67-1	80
3	Cyclopentane	70	C5H10	000287-92-3	56
4	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	38
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

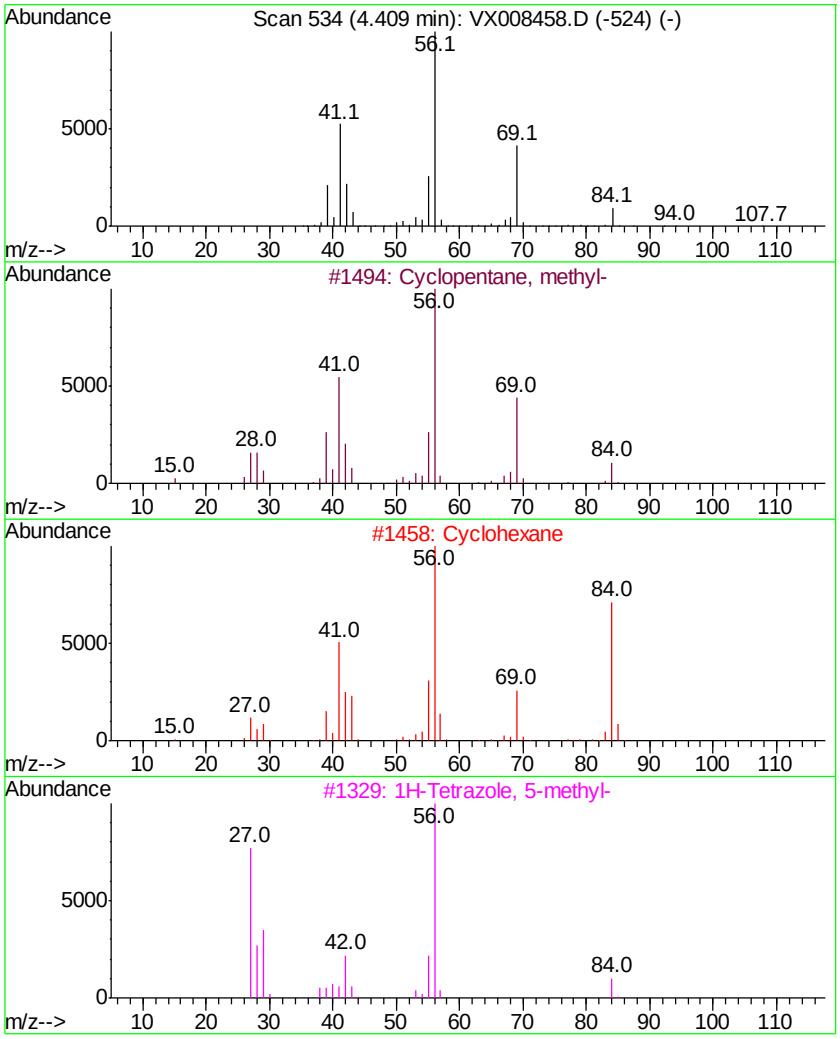
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

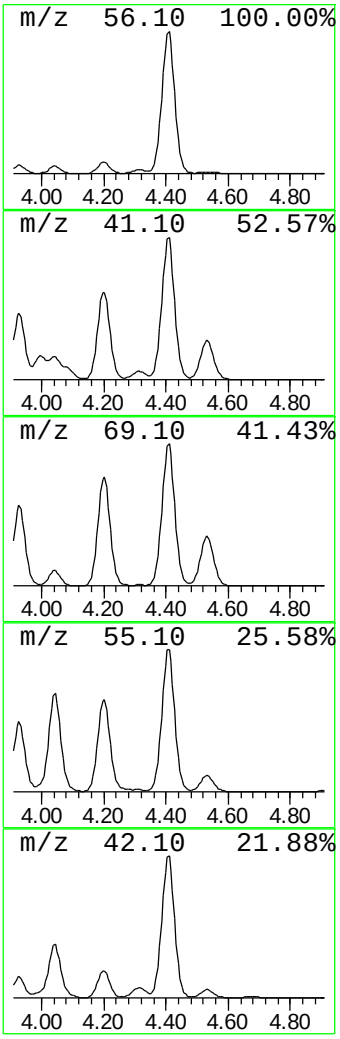
****

Peak Number 8 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	163.19 ug/l	12366600	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	90
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032619\
Data File : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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

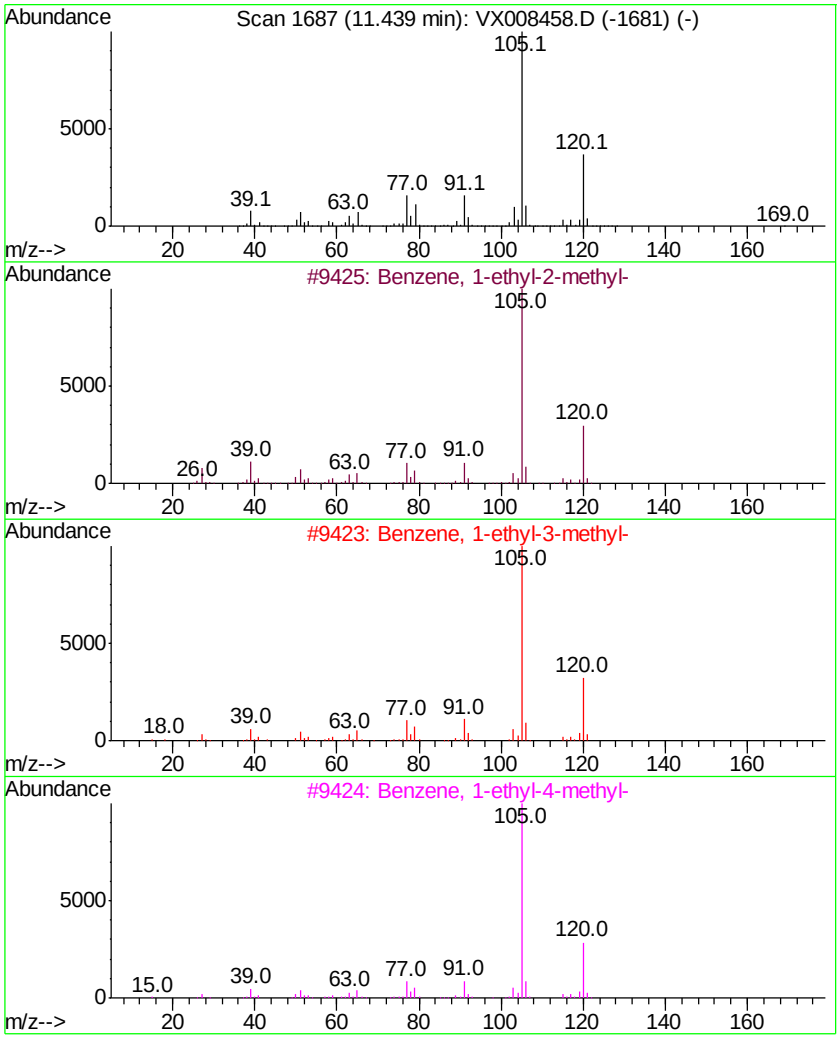
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

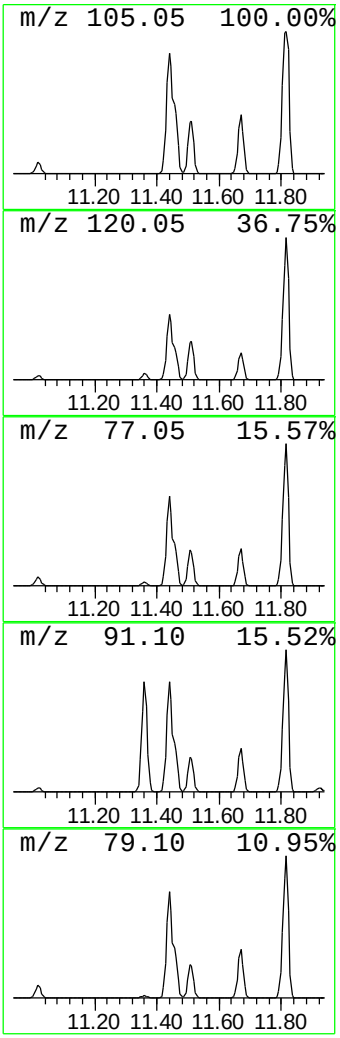
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	148.95 ug/l	36129000	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 : VX008458.D
Acq On : 26 Mar 2019 15:40
Operator : JC/SP
Sample : K2089-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-107

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	229.8	ug/l	17417800	1	5.67	3788990	50.0
Butane, 2-methyl-	1.79	432.7	ug/l	32790300	1	5.67	3788990	50.0
Pentane	2.00	180.9	ug/l	13706300	1	5.67	3788990	50.0
2-Pentene, (Z)-	2.11	208.6	ug/l	15807800	1	5.67	3788990	50.0
Cyclopropane, 1,2...	2.26	442.9	ug/l	33564800	1	5.67	3788990	50.0
Cyclopentene	2.81	268.1	ug/l	20319700	1	5.67	3788990	50.0
Cyclobutane, methyl-	2.93	131.2	ug/l	9944400	1	5.67	3788990	50.0
Cyclopentane, met...	4.41	163.2	ug/l	12366600	1	5.67	3788990	50.0
Benzene, 1-ethyl-...	11.44	148.9	ug/l	36129000	4	12.08	12127900	50.0