LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 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\82X071619W.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	21	24	33	rVB	90699	90926	5.99%	1.011%
2	1.404	38	41	50	rVB	181684	174459	11.49%	1.940%
3	1.788	98	104	114	rBV	142064	203266	13.39%	2.261%
4	2.001	133	139	146	rBV	75454	110704	7.29%	1.231%
5	2.263	177	182	194	rVB	28270	50698	3.34%	0.564%
6	2.891	280	285	287	rVV2	16323	30150	1.99%	0.335%
7	2.934	287	292	299	rVV	29826	63850	4.21%	0.710%
8	3.037	299	309	318	rVB3	14934	40452	2.66%	0.450%
9	3.178	323	332	339	rBV2	11570	27077	1.78%	0.301%
10	3.818	426	437	448	rVB2	8597	22328	1.47%	0.248%
11	4.403	523	533	544	rVB3	25908	76798	5.06%	0.854%
12	5.500	701	713	721	rBV	123240	350088	23.06%	3.894%
13	5.580	721	726	731	rVV3	23781	69955	4.61%	0.778%
14	5.659	731	739	755	rVB	205609	578974	38.13%	6.440%
15	6.061	793	805	810	rBV	119775	302566	19.93%	3.365%
16	6.141	810	818	833	rVB	571456	1518249	100.00%	16.887%
17	6.336	841	850	864	rVV	129117	354428	23.34%	3.942%
18	6.860	926	936	946	rBV	311506	738208	48.62%	8.211%
19	7.463	1021	1035	1046	rBV2	15258	39462	2.60%	0.439%
20	8.494	1198	1204	1211	rBV	19321	33703	2.22%	0.375%
21	8.567	1211	1216	1229	rVB	65633	105471	6.95%	1.173%
22	8.713	1229	1240	1249	rBV	671565	1024590	67.48%	11.396%
23	8.902	1263	1271	1283	rBV	77406	122134	8.04%	1.358%
24	9.506	1363	1370	1374	rBV	12650	20853	1.37%	0.232%
25	10.109	1464	1469	1475	rVB	661312	876527	57.73%	9.749%
26	10.201	1480	1484	1490	rVB	25258	34970	2.30%	0.389%
27	10.695	1559	1565	1577	rVB	201844	261141	17.20%	2.905%
28	11.134	1631	1637	1646	rBV	578532	728325	47.97%	8.101%
29	11.664	1716	1724	1730	rBV	24319	32881	2.17%	0.366%
30	12.072	1786	1791	1798	rBV	673289	865705	57.02%	9.629%
31	12.139	1798	1802	1808	rVB	19602	25377	1.67%	0.282%
32	13.834	2075	2080	2084	rVB	11834	16371	1.08%	0.182%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 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\82X071619W.M
Title : SW846 8260

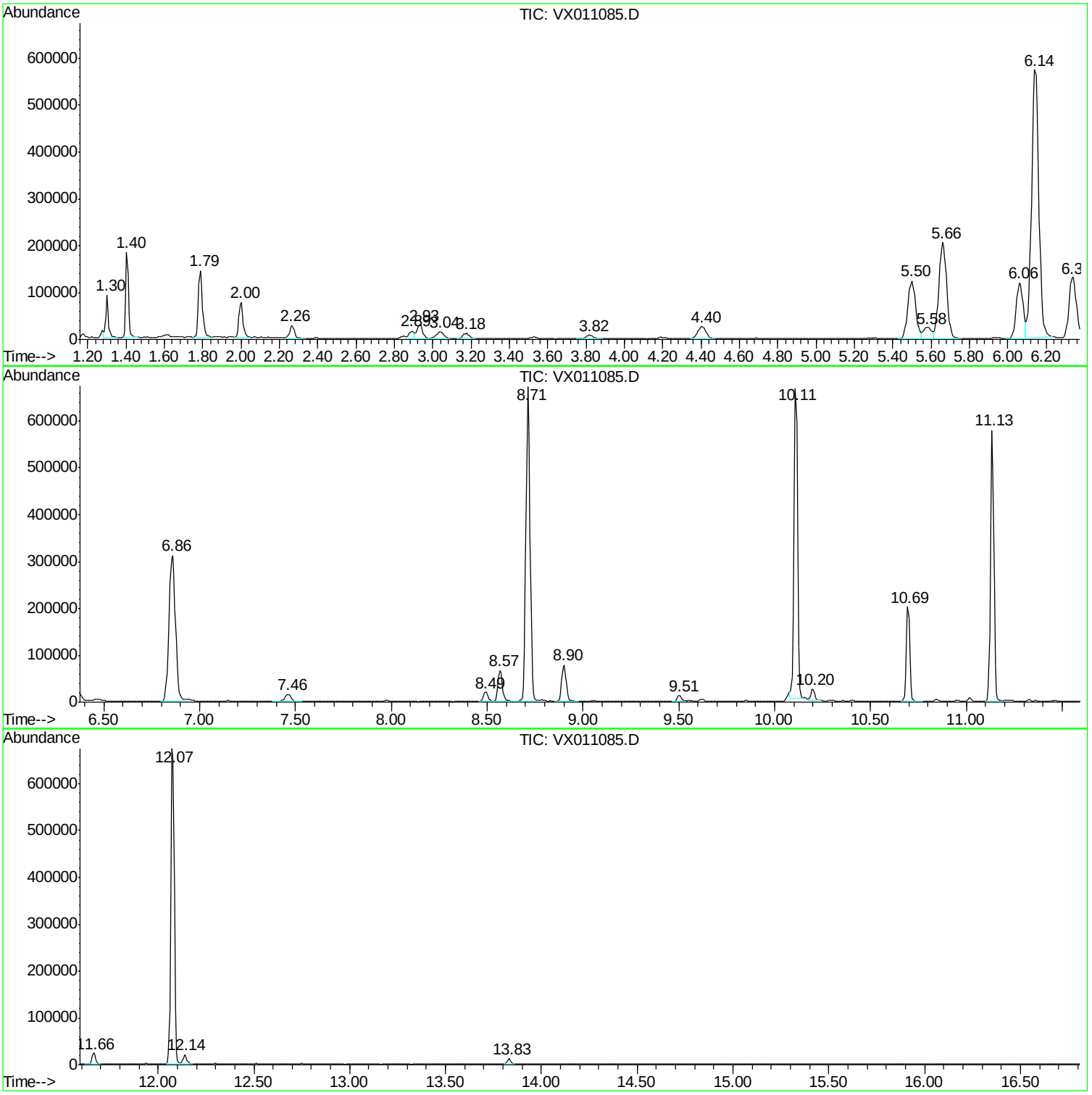
Sum of corrected areas: 8990686

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

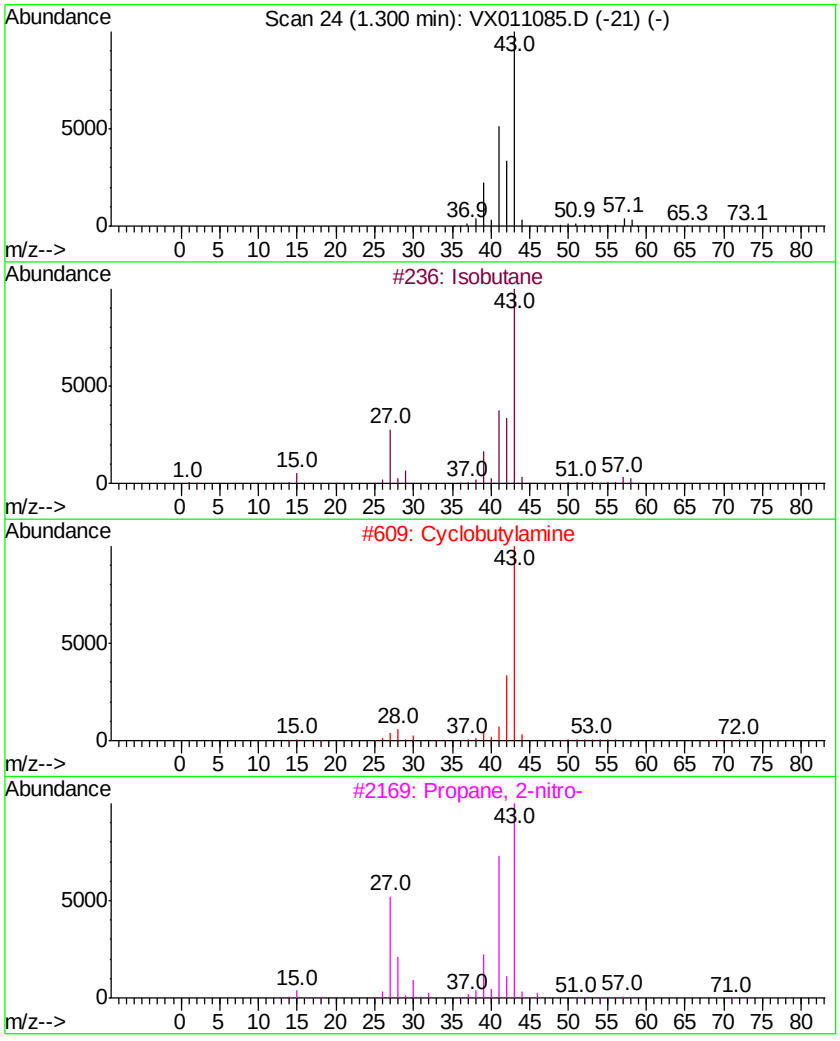
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

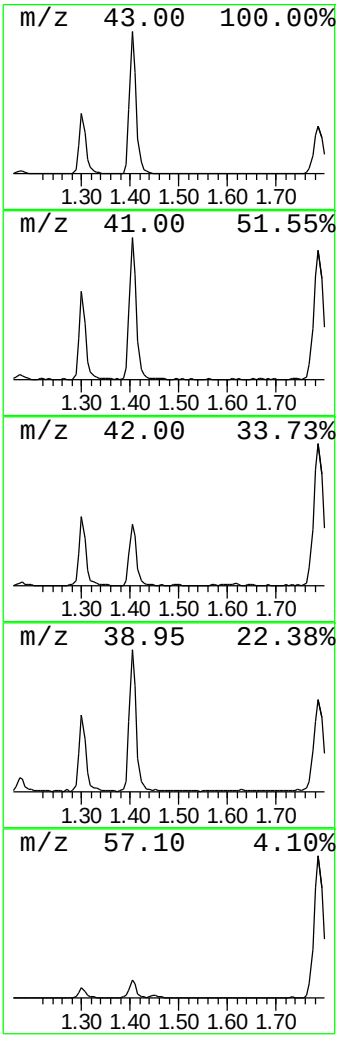
****

Peak Number 1 Isobutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	7.85 ug/l	90926	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Cyclobutylamine	71	C4H9N	002516-34-9	9
3	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
4	Borane, trimethyl-	56	C3H9B	000593-90-8	5
5	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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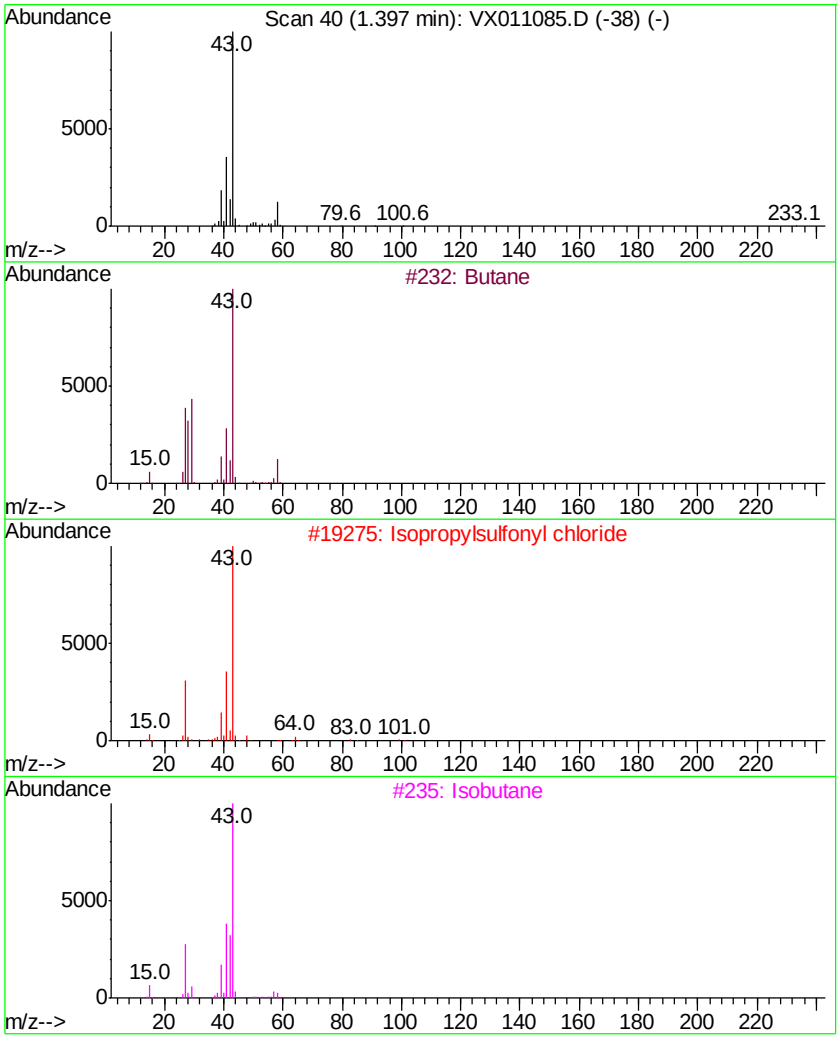
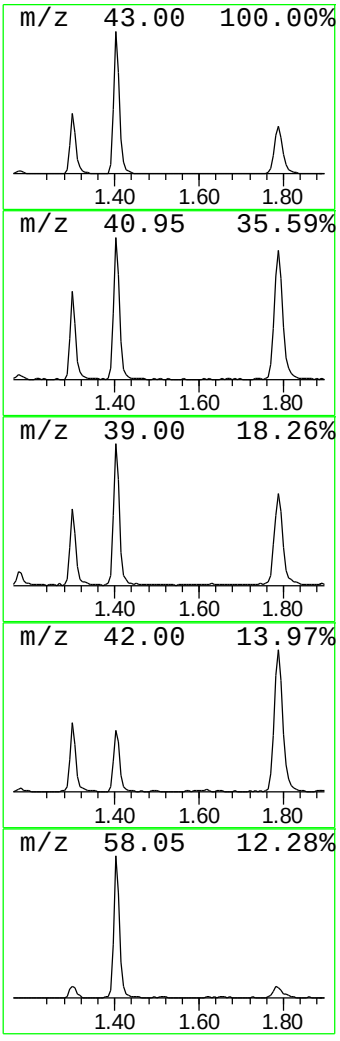
Peak Number 2 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	15.07 ug/l	174459	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
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	Cyclobutylamine	71	C4H9N	002516-34-9	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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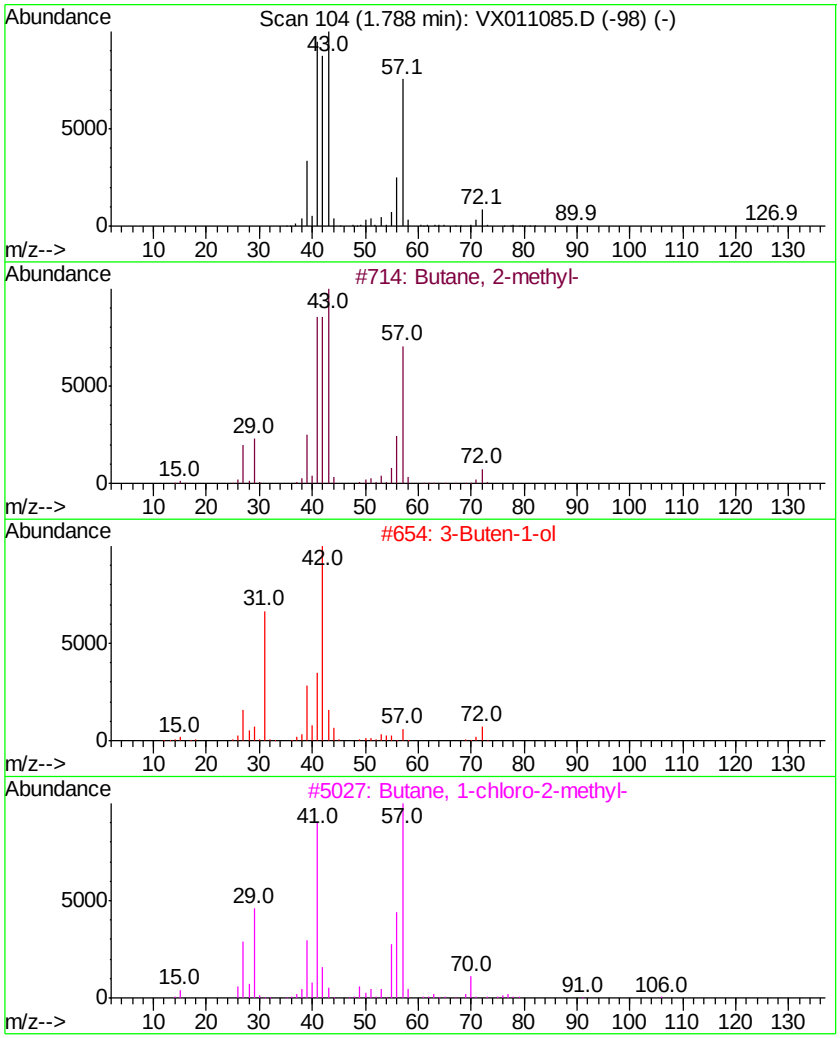
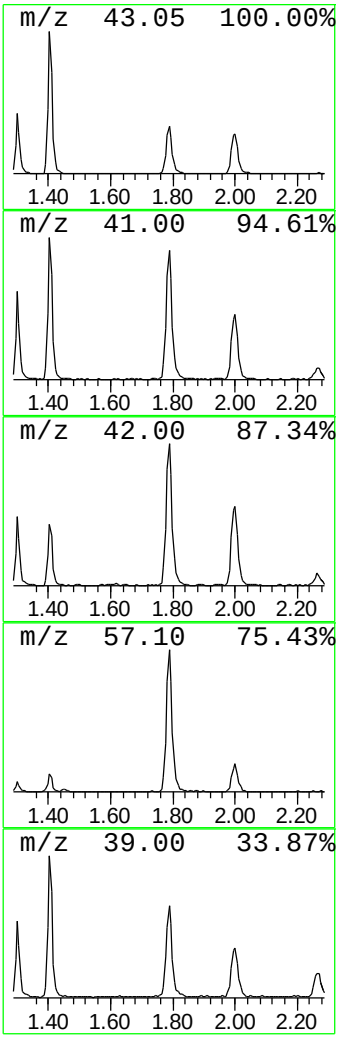
Peak Number 3 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	17.55 ug/l	203266	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	35
4	Pentane	72	C5H12	000109-66-0	33
5	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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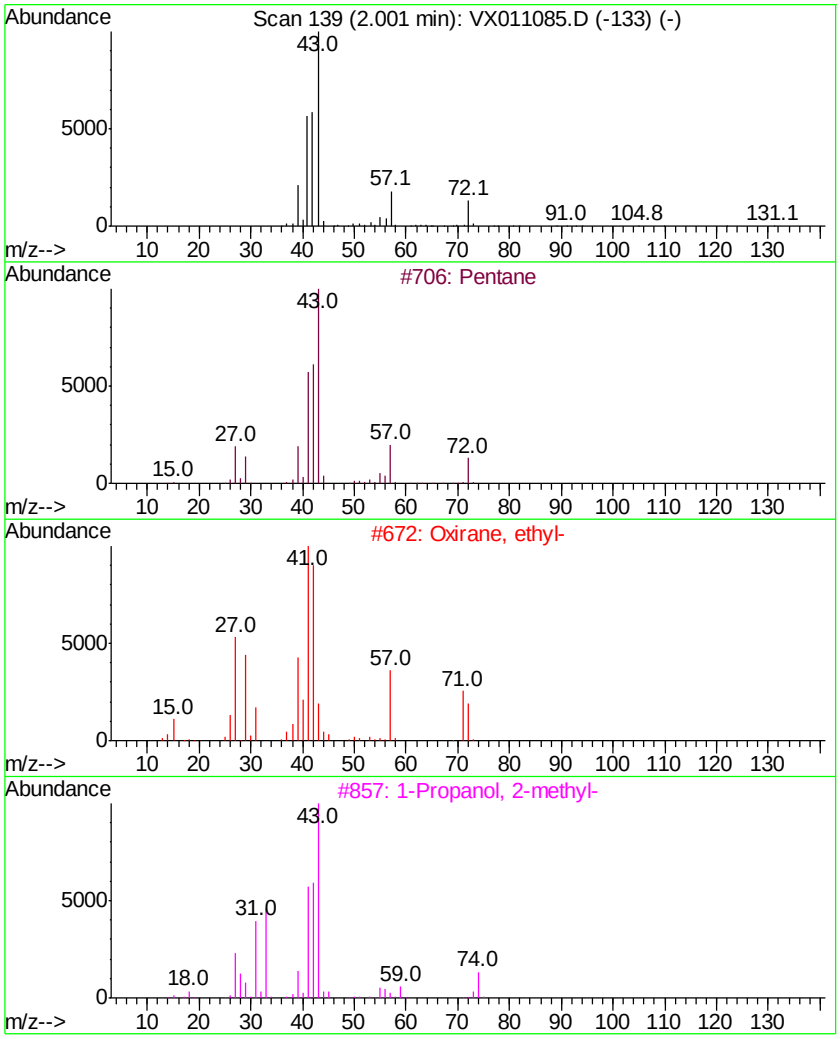
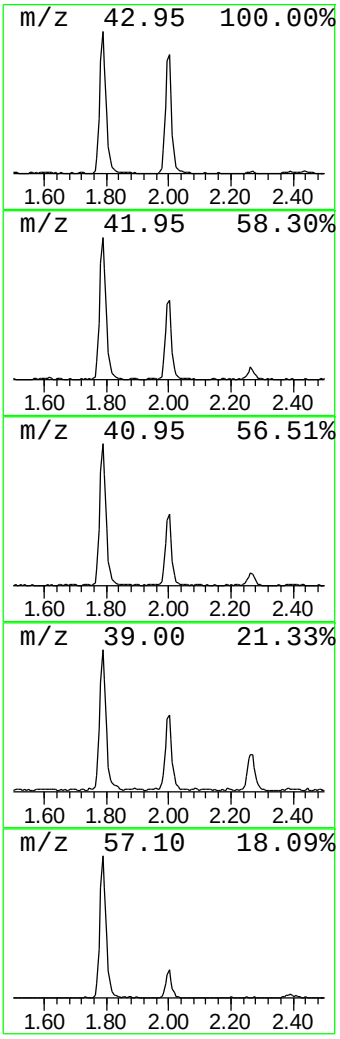
Peak Number 4 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	9.56 ug/l	110704	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	87
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	38
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	25
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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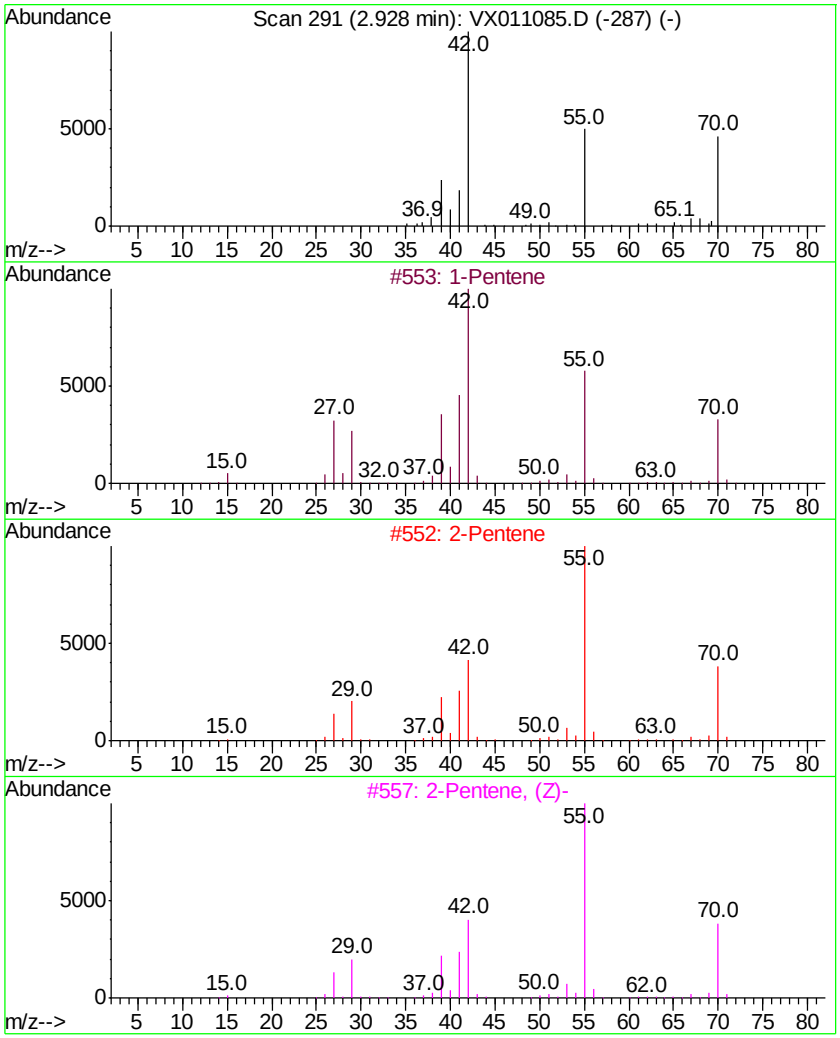
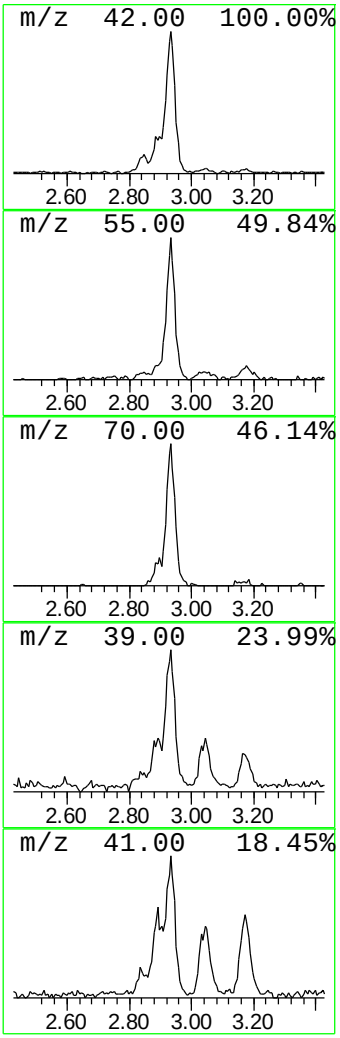
Peak Number 5 1-Pentene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	5.51 ug/l	63850	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	64
2	2-Pentene	70	C5H10	000109-68-2	17
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	17
4	2-Pentene, (E)-	70	C5H10	000646-04-8	17
5	Cyclopentane	70	C5H10	000287-92-3	9





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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

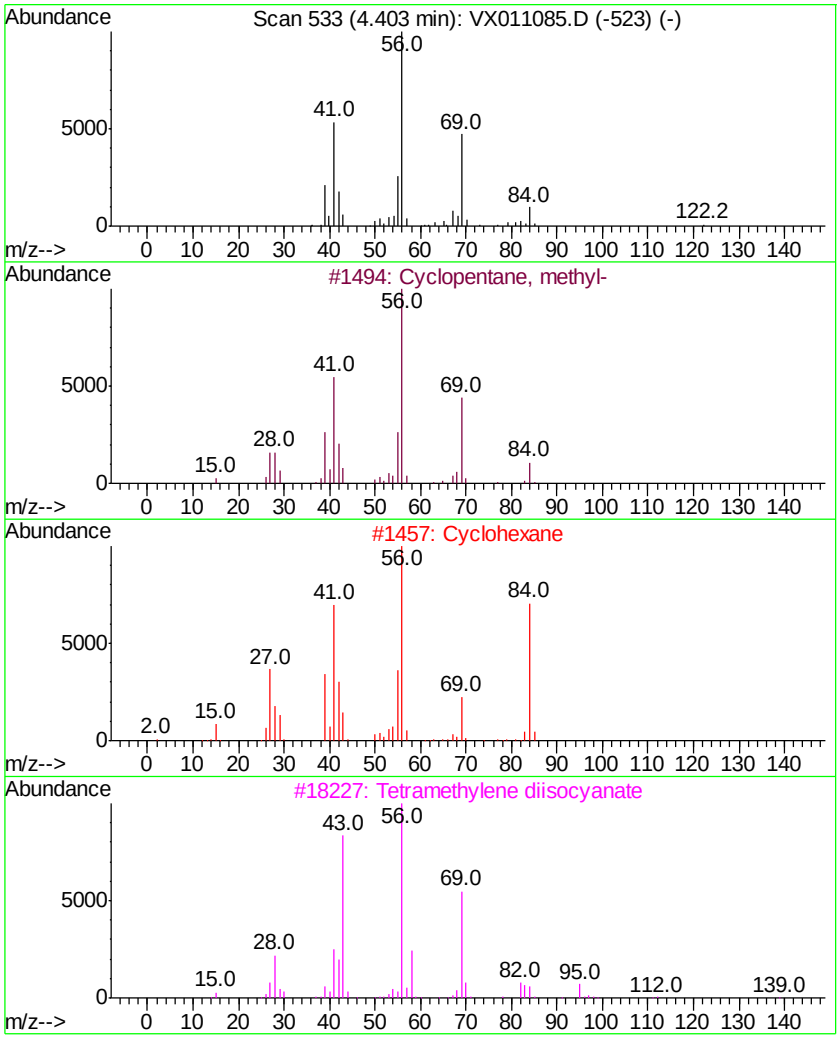
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

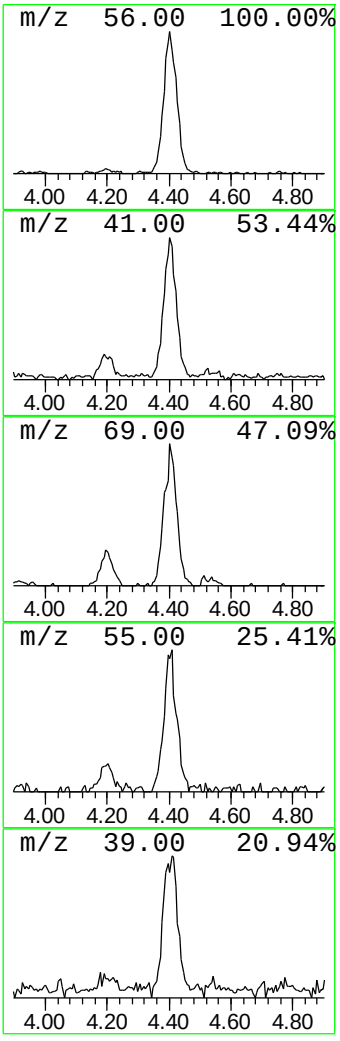
****

Peak Number 6 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	6.63 ug/l	76798	Pentafluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	86
3	Tetramethylene diisocyanate	140	C6H8N2O2	004538-37-8	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
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Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

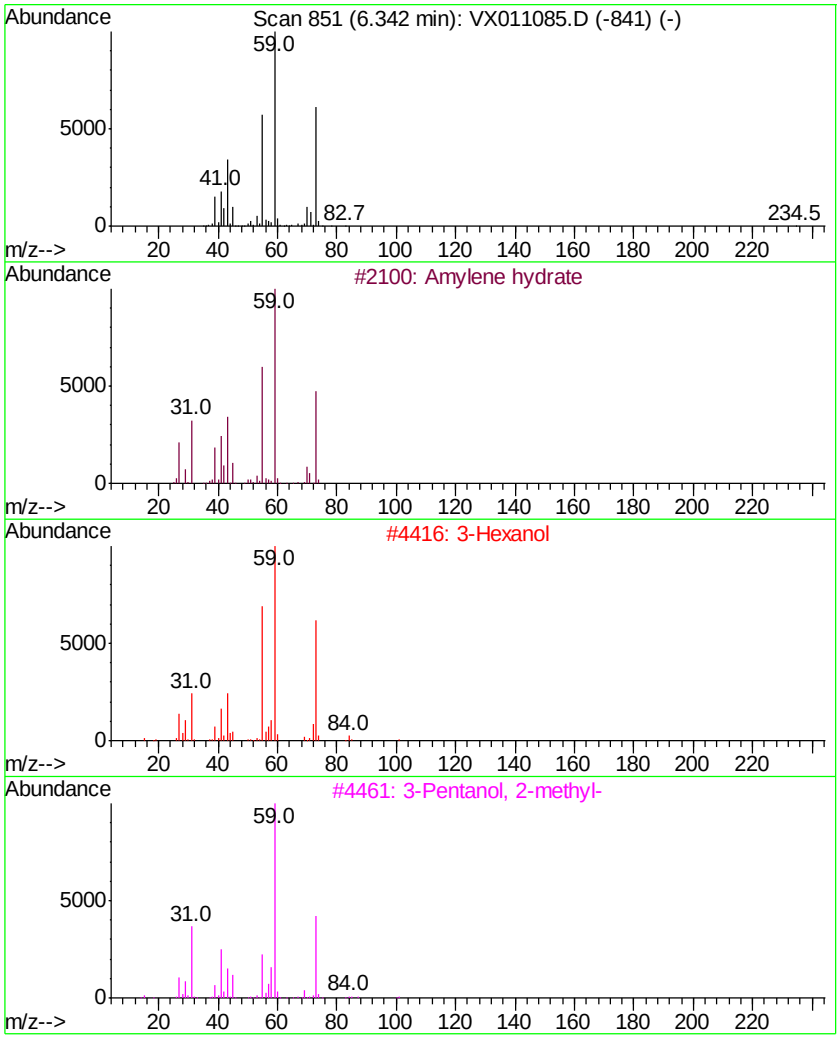
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

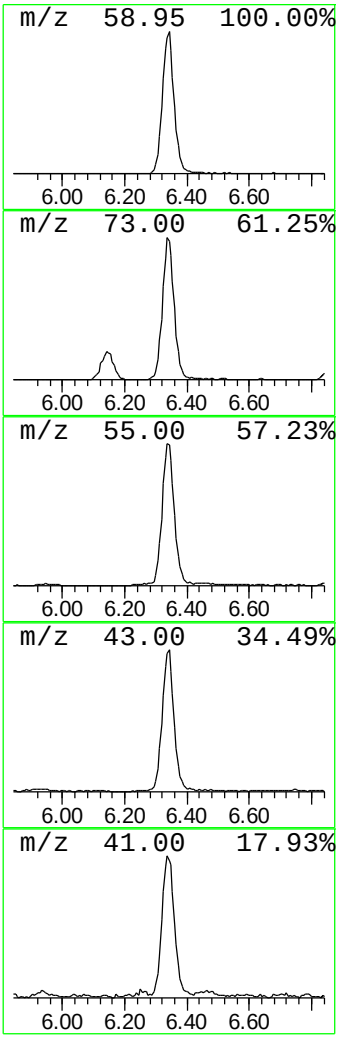
****

Peak Number 7 Amylene hydrate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	24.01 ug/l	354428	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	78
2	3-Hexanol	102	C6H14O	000623-37-0	50
3	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	43
4	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	40
5	Silane, trimethyl-	74	C3H10Si	000993-07-7	9





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ClientSampleId : MW-2

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Quant Title : SW846 8260

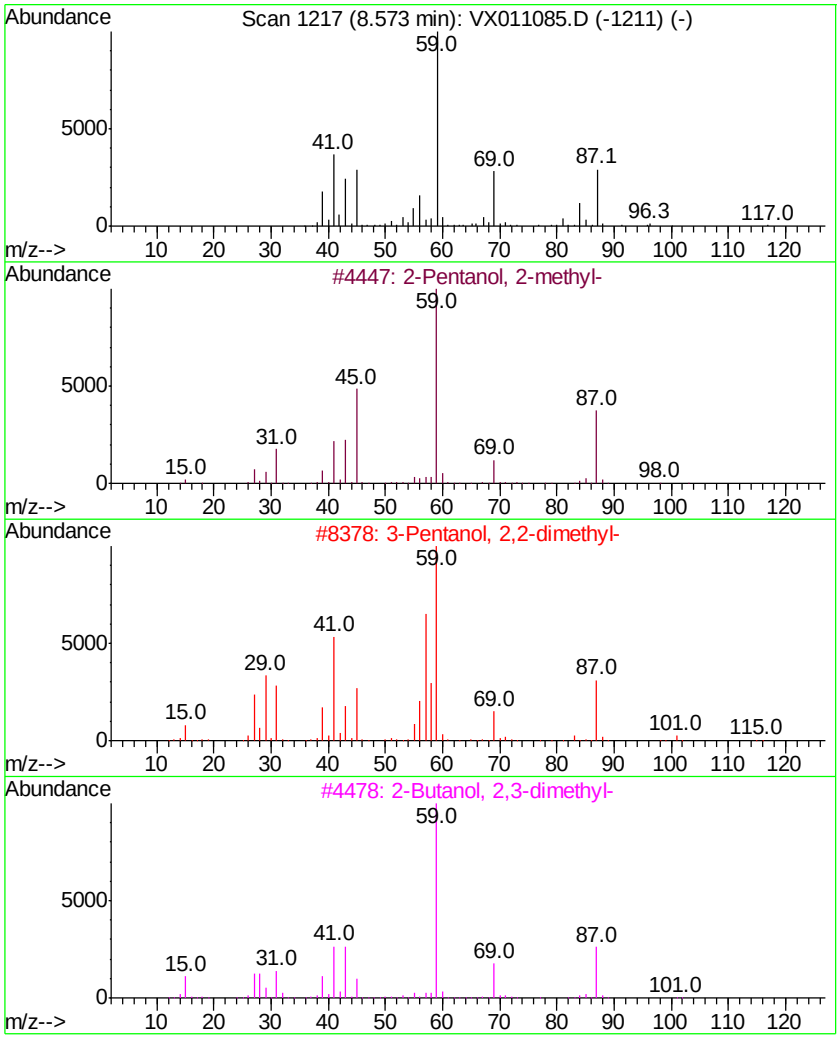
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

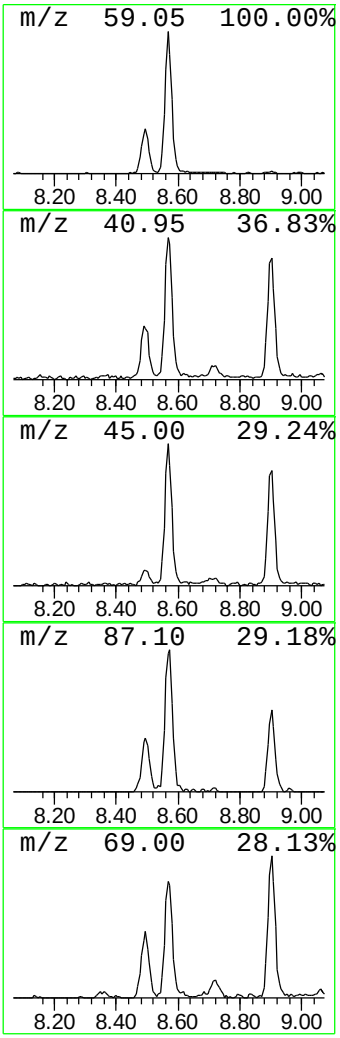
****

Peak Number 8 2-Pentanol, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	6.02 ug/l	105471	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	72
2	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	72
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	59
4	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	50
5	Pentane, 2-methoxy-	102	C6H14O	006795-88-6	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

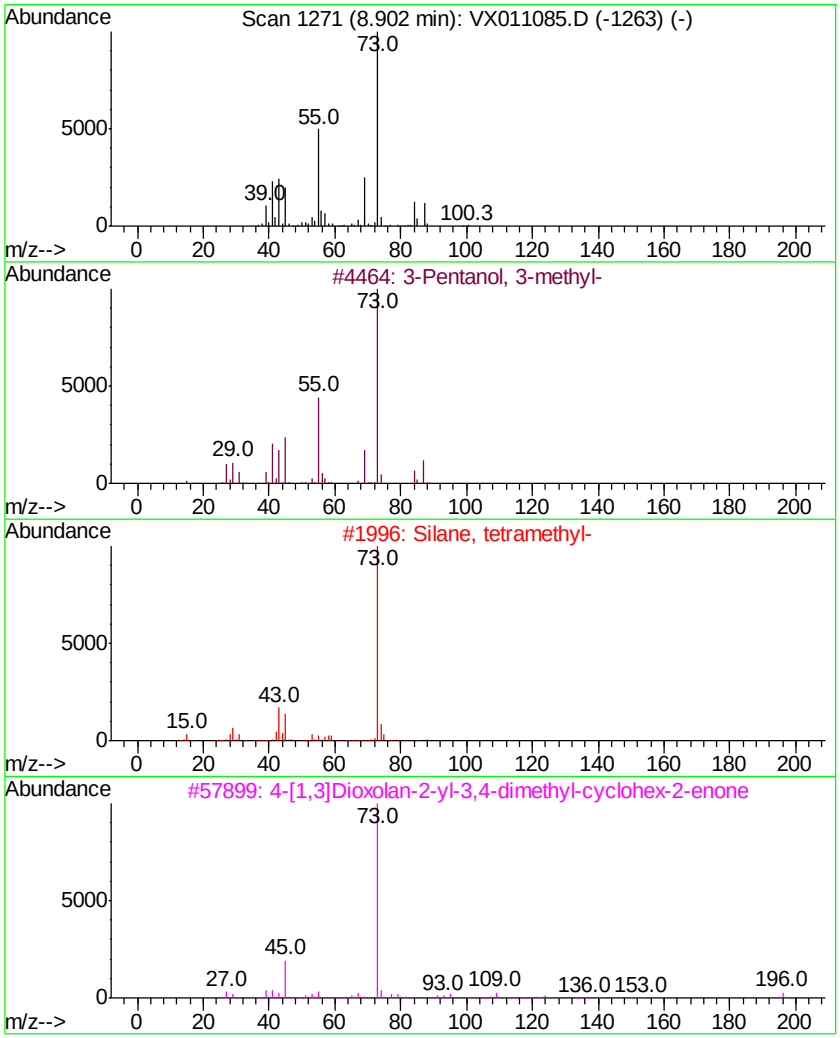
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

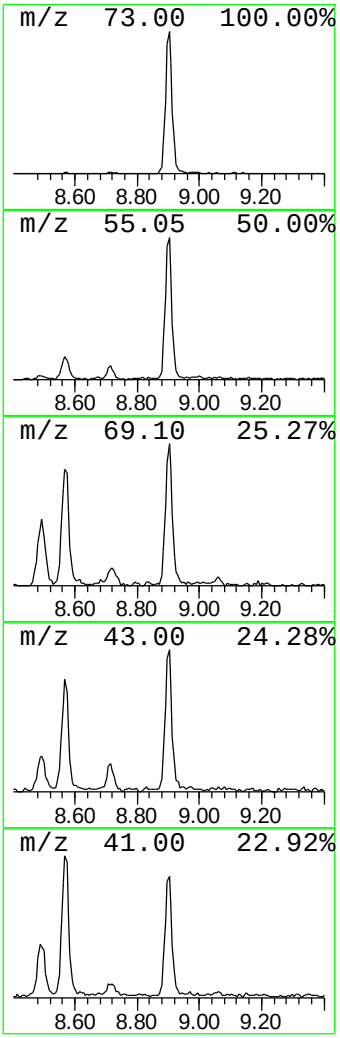
****

Peak Number 9 3-Pentanol, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	6.97 ug/l	122134	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	72
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
3	4-[1,3]Dioxolan-2-yl-3,4-dimethy...	196	C11H16O3	054710-16-6	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011085.D
Acq On : 26 Jul 2019 13:05
Operator : JC/SP
Sample : K4014-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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	7.8	ug/l	90926	1	5.66	578974	50.0
Butane	1.40	15.1	ug/l	174459	1	5.66	578974	50.0
Butane, 2-methyl-	1.79	17.6	ug/l	203266	1	5.66	578974	50.0
Pentane	2.00	9.6	ug/l	110704	1	5.66	578974	50.0
1-Pentene	2.93	5.5	ug/l	63850	1	5.66	578974	50.0
Cyclopentane, met...	4.40	6.6	ug/l	76798	1	5.66	578974	50.0
Amylene hydrate	6.34	24.0	ug/l	354428	2	6.86	738208	50.0
2-Pentanol, 2-met...	8.57	6.0	ug/l	105471	3	10.11	876527	50.0
3-Pentanol, 3-met...	8.90	7.0	ug/l	122134	3	10.11	876527	50.0