LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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	1.404	37	41	46	rBV	535737	524031	1.70%	0.409%
2	1.788	99	104	120	rVB	1746176	2571701	8.34%	2.010%
3	2.001	133	139	154	rVB	1435117	2016522	6.54%	1.576%
4	2.849	269	278	280	rBV	208554	421876	1.37%	0.330%
5	2.891	280	285	288	rVV	714670	1451023	4.71%	1.134%
6	2.934	288	292	305	rVB	768617	1598582	5.18%	1.249%
7	3.172	320	331	347	rBV	589243	1373346	4.45%	1.073%
8	3.525	379	389	405	rBV	595294	1347855	4.37%	1.053%
9	4.409	522	534	548	rVB	1742647	5117982	16.60%	3.999%
10	5.501	700	713	717	rBV2	129979	363406	1.18%	0.284%
11	5.586	717	727	736	rVV	1894718	5932988	19.24%	4.636%
12	5.659	736	739	747	rVB	181915	409899	1.33%	0.320%
13	5.939	772	785	797	rBV4	158663	559459	1.81%	0.437%
14	6.061	797	805	812	rBV	122702	311269	1.01%	0.243%
15	6.263	828	838	847	rBV2	115545	370825	1.20%	0.290%
16	6.360	847	854	862	rVV2	113219	310369	1.01%	0.243%
17	6.458	862	870	883	rVB	159699	442640	1.44%	0.346%
18	6.860	926	936	946	rBV	326011	784956	2.55%	0.613%
19	7.464	1022	1035	1046	rBV	1519149	3381528	10.97%	2.642%
20	8.713	1235	1240	1246	rVB	727354	1147070	3.72%	0.896%
21	8.780	1246	1251	1257	rBV	492619	761545	2.47%	0.595%
22	10.109	1463	1469	1476	rBV	695371	966055	3.13%	0.755%
23	10.256	1486	1493	1498	rBV	8887142	11932058	38.69%	9.324%
24	10.366	1502	1511	1516	rBV	22236197	30837519	100.00%	24.097%
25	10.701	1560	1566	1577	rVB	12089764	15601217	50.59%	12.191%
26	11.018	1612	1618	1630	rVB	738807	913185	2.96%	0.714%
27	11.134	1632	1637	1642	rBV	666923	844287	2.74%	0.660%
28	11.359	1668	1674	1680	rBV	791186	950995	3.08%	0.743%
29	11.432	1680	1686	1688	rBV	2572923	3413725	11.07%	2.668%
30	11.506	1694	1698	1708	rVB	2011793	2353170	7.63%	1.839%
31	11.664	1719	1724	1734	rBV	2112706	2636179	8.55%	2.060%
32	11.804	1743	1747	1753	rVB	7192065	9015157	29.23%	7.045%
33	12.073	1786	1791	1797	rVB2	866341	1191859	3.86%	0.931%
34	12.140	1797	1802	1808	rBV	3449579	4114330	13.34%	3.215%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

35	12.298	1822	1828	1835	rBV2	1440554	1990999	6.46%	1.556%
36	12.371	1835	1840	1850	rVB3	470569	710818	2.31%	0.555%
37	12.585	1870	1875	1877	rBV	315404	408149	1.32%	0.319%
38	12.664	1884	1888	1892	rBV	433096	523720	1.70%	0.409%
39	12.755	1898	1903	1910	rVB2	324413	524824	1.70%	0.410%
40	12.975	1932	1939	1942	rBV	262404	326369	1.06%	0.255%
41	13.017	1942	1946	1951	rVB	371627	442367	1.43%	0.346%
42	13.225	1975	1980	1984	rVB	331754	391261	1.27%	0.306%
43	13.347	1995	2000	2005	rVB2	835777	1136567	3.69%	0.888%
44	13.475	2016	2021	2028	rVB	493480	628050	2.04%	0.491%
45	13.834	2072	2080	2088	rBV	2890151	3750109	12.16%	2.930%
46	14.694	2213	2221	2232	rBV	529594	667551	2.16%	0.522%
47	14.834	2238	2244	2249	rBV	392253	501613	1.63%	0.392%

Sum of corrected areas: 127971005

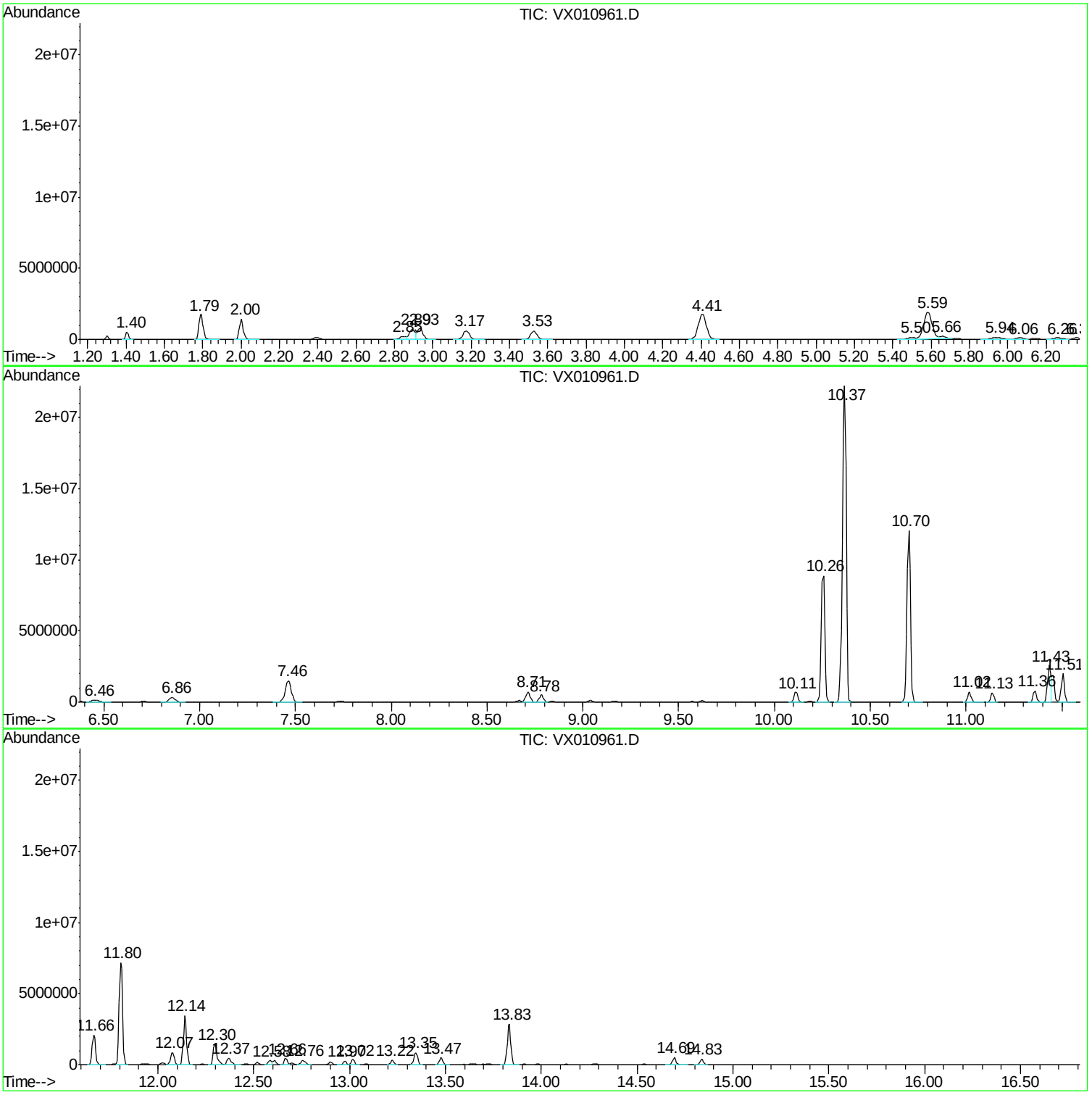
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

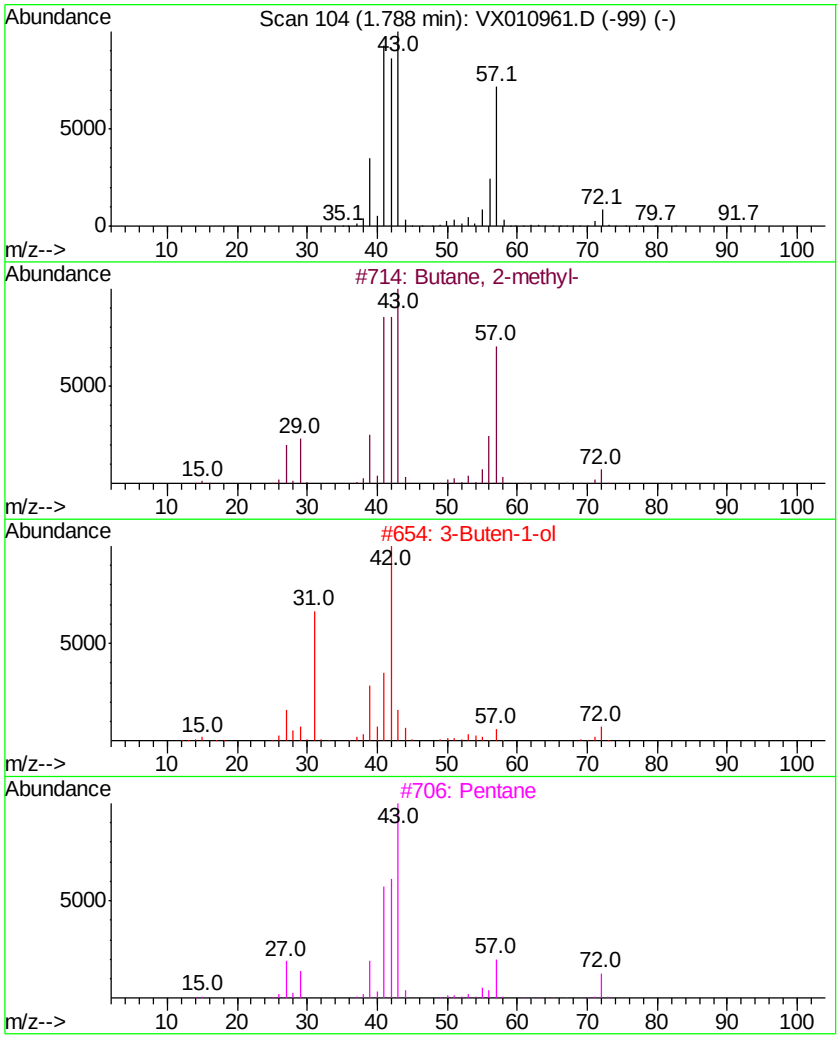
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

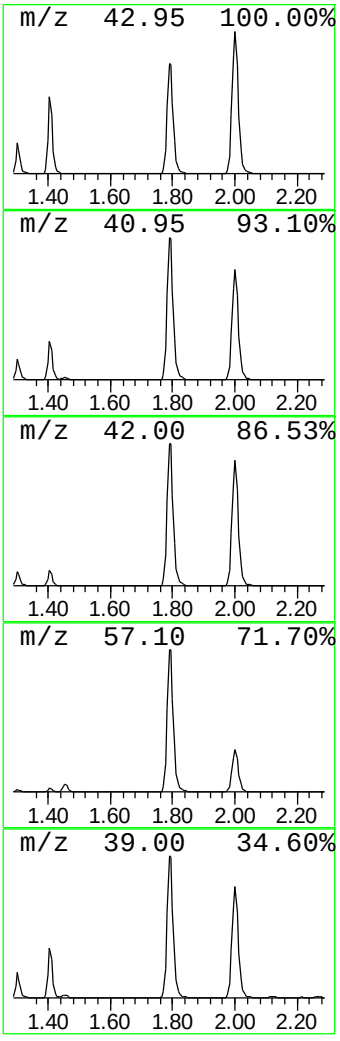
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	313.70 ug/l	2571700	Pentafluorobenzene	5.67

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	47
3	Pentane	72	C5H12	000109-66-0	36
4	1-Butene	56	C4H8	000106-98-9	9
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

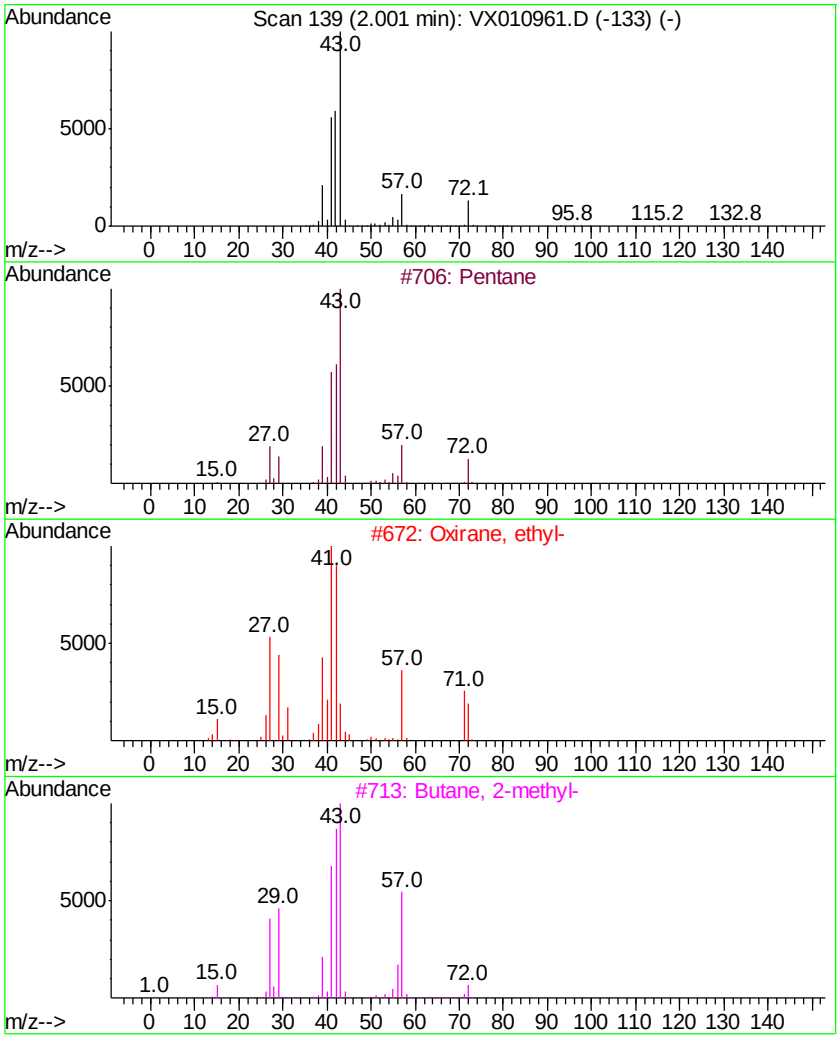
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

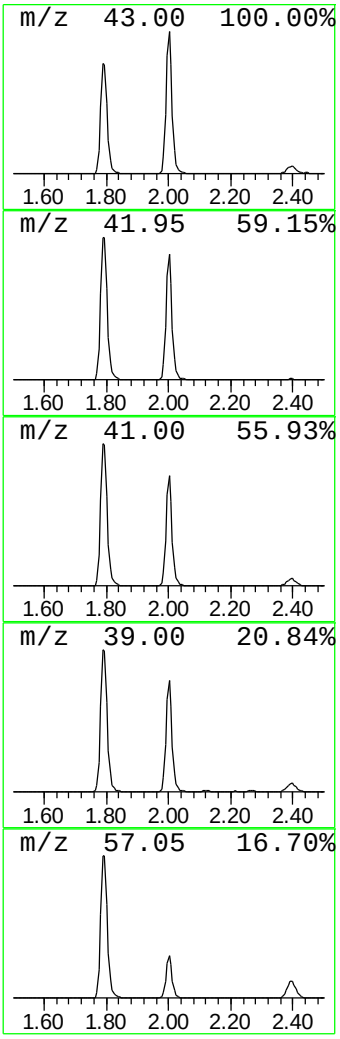
****

Peak Number 2 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	245.98 ug/l	2016520	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	38
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	35
5	Cyclobutylamine	71	C4H9N	002516-34-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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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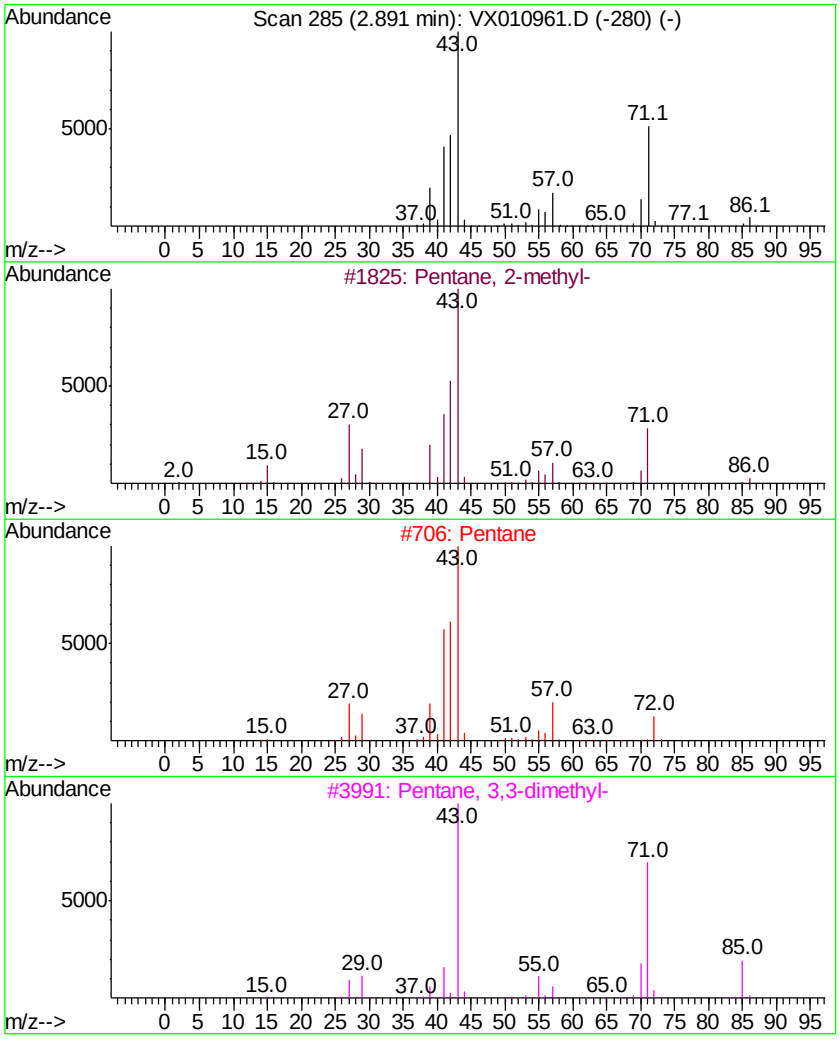
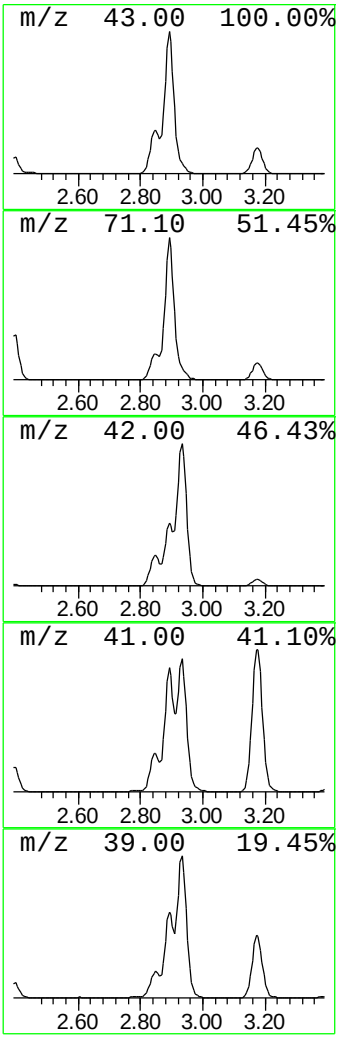
Peak Number 3 Pentane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	177.00 ug/l	1451020	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Pentane	72	C5H12	000109-66-0	46
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	37
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

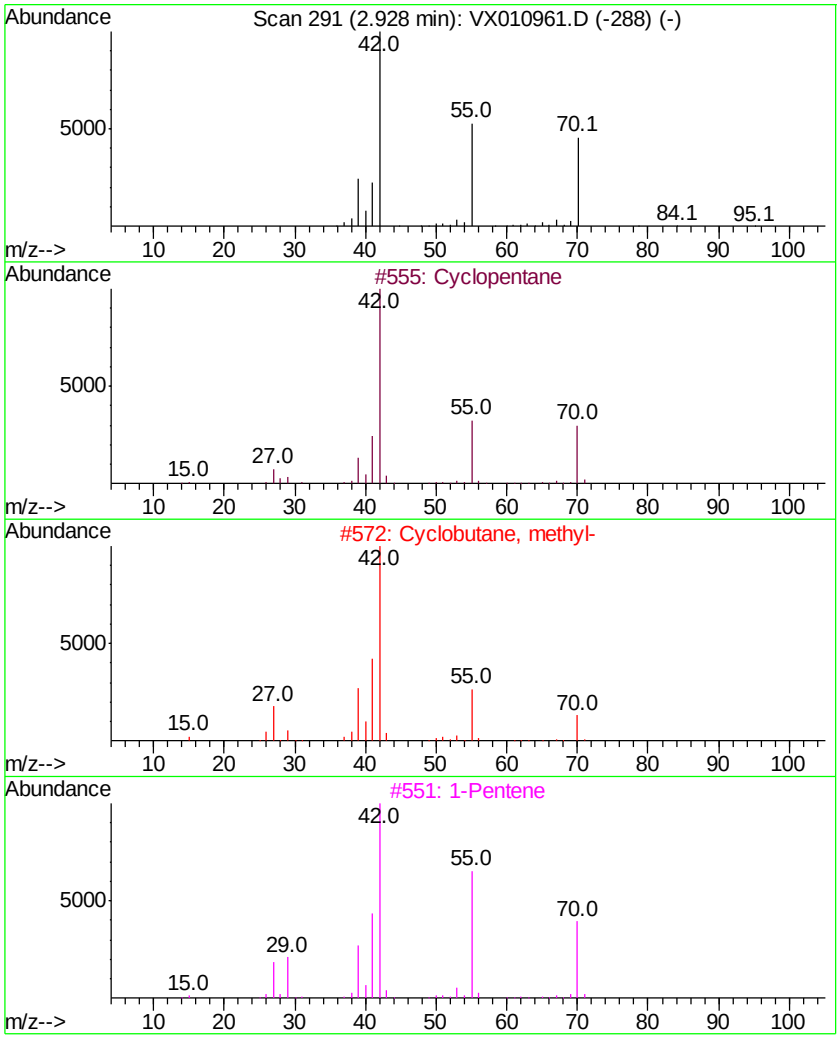
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

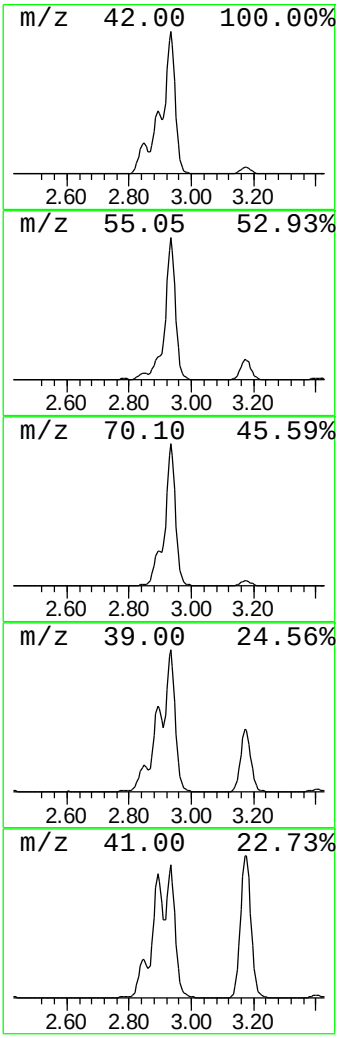
****

Peak Number 4 Cyclopentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	195.00 ug/l	1598580	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	78
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
3	1-Pentene	70	C5H10	000109-67-1	56
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	38
5	2-Pentene, (E)-	70	C5H10	000646-04-8	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

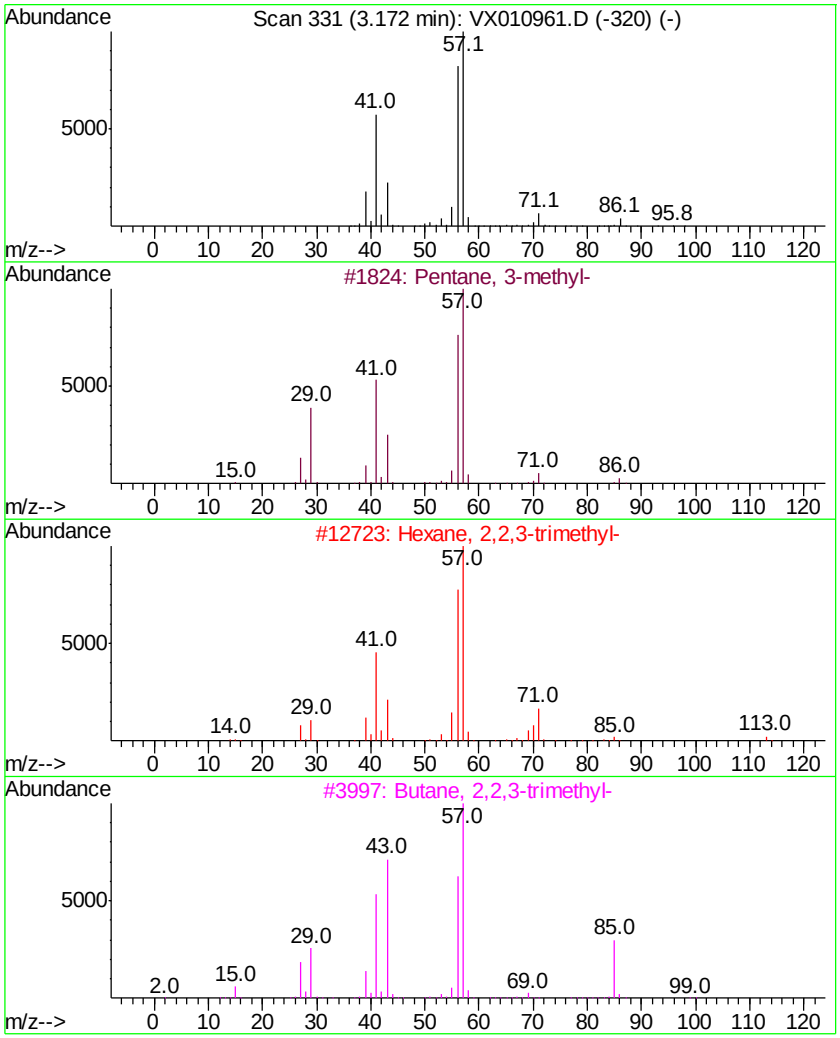
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

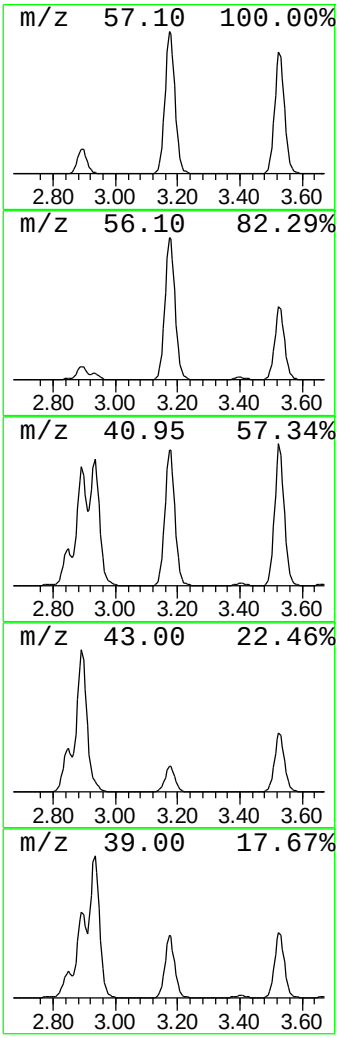
****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	167.52 ug/l	1373350	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

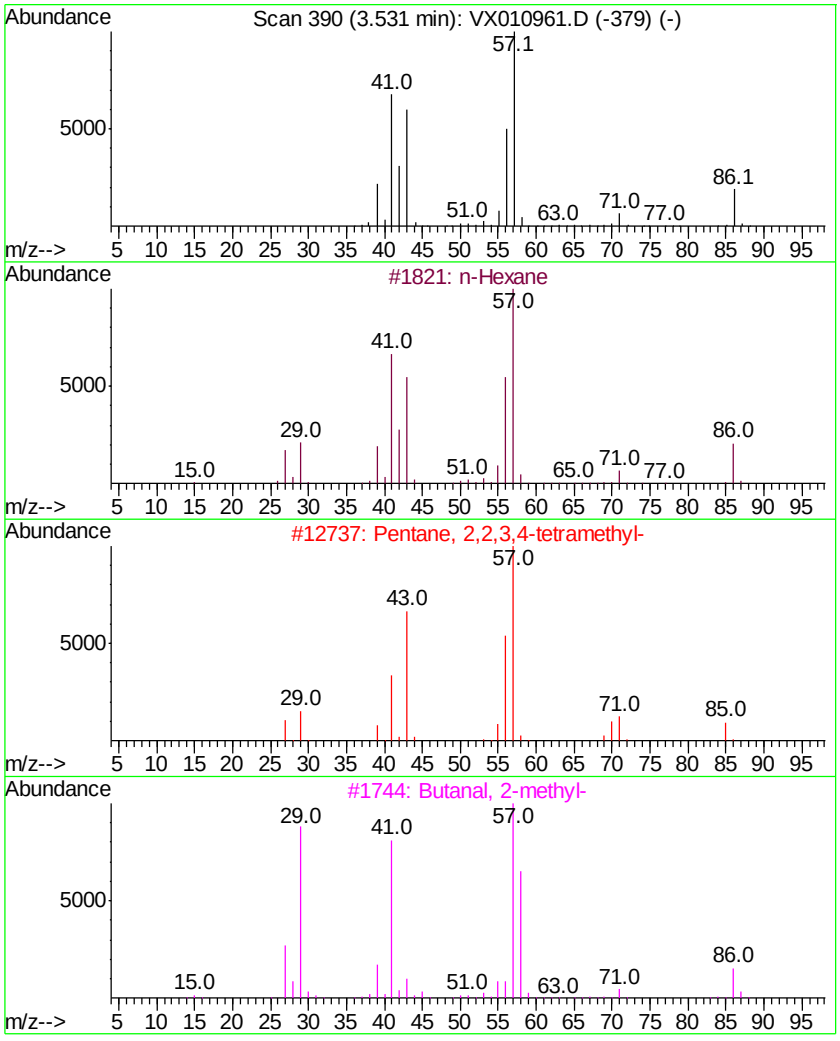
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

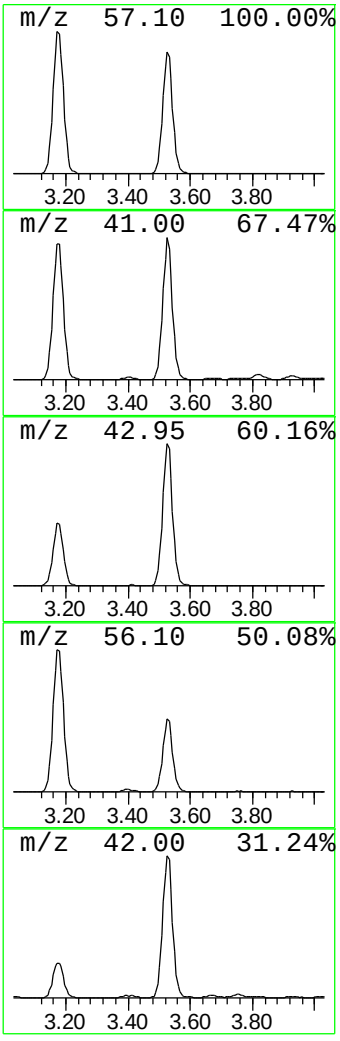
****

Peak Number 6 n-Hexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	164.41 ug/l	1347860	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
4	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	38
5	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	38





Library Search Compound Report

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Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

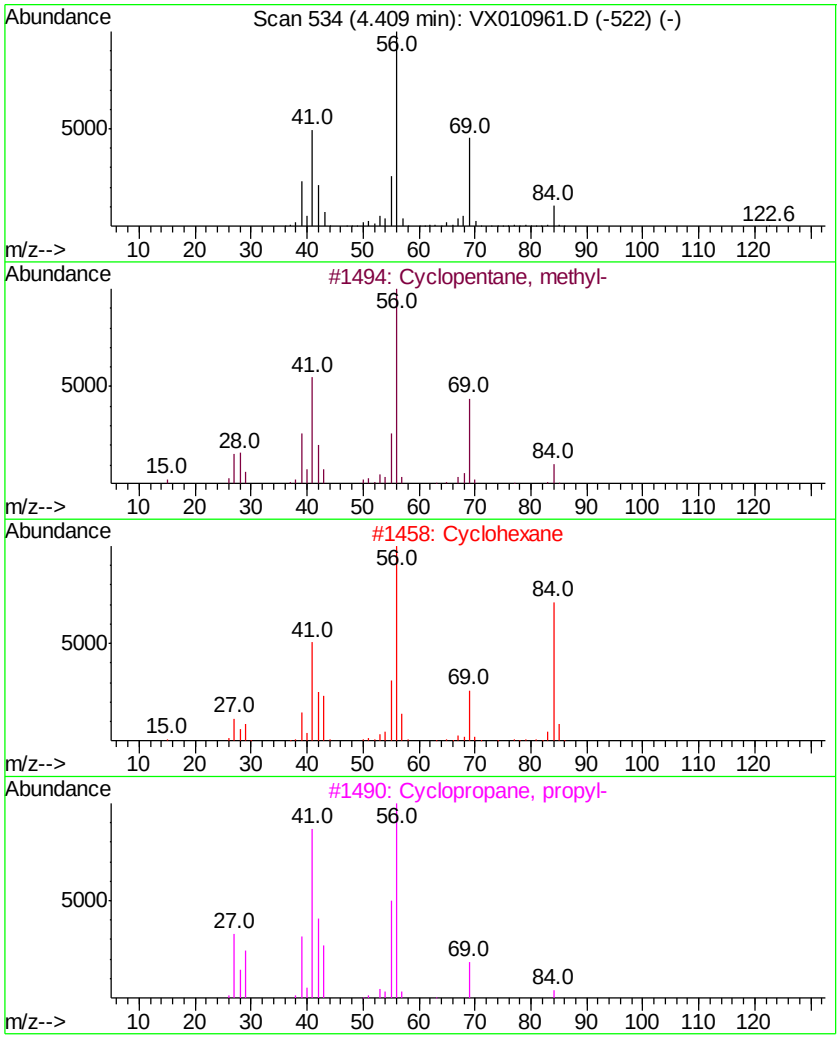
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

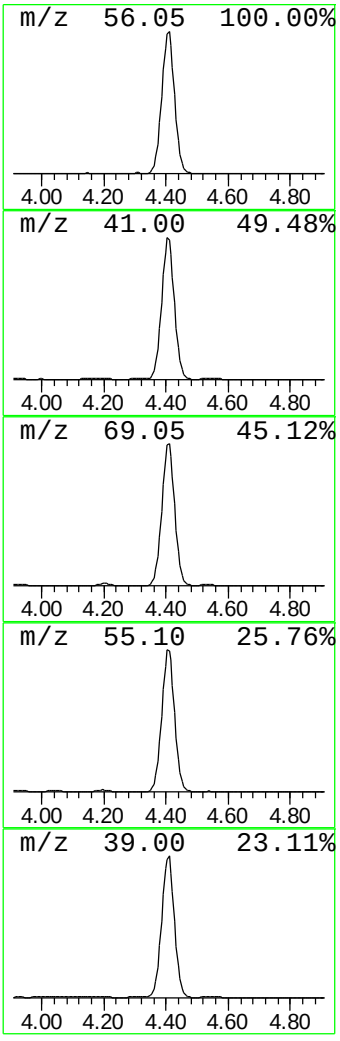
****

Peak Number 7 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	624.30 ug/l	5117980	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

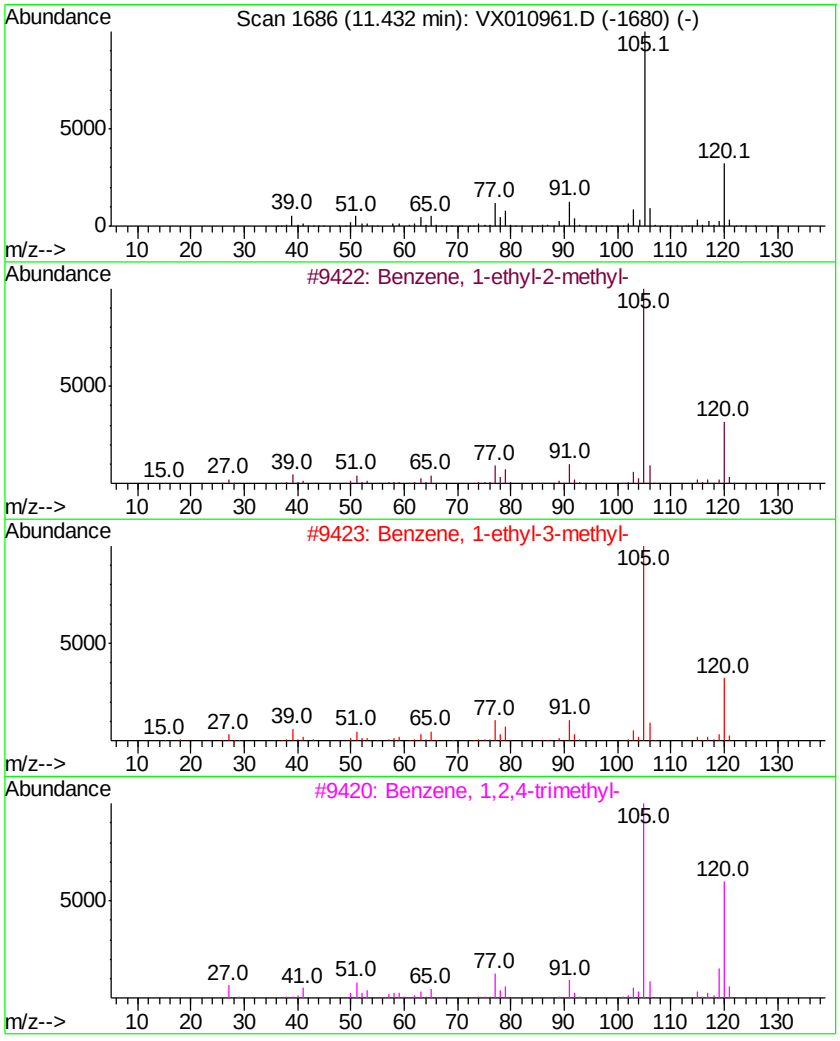
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

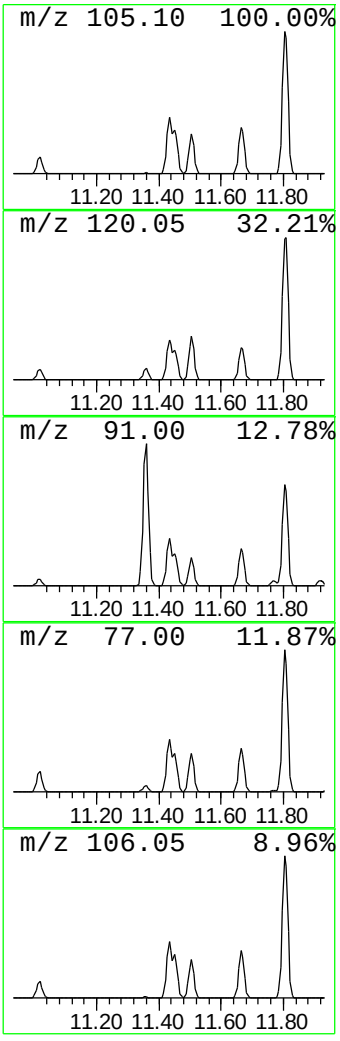
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	143.21 ug/l	3413730	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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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

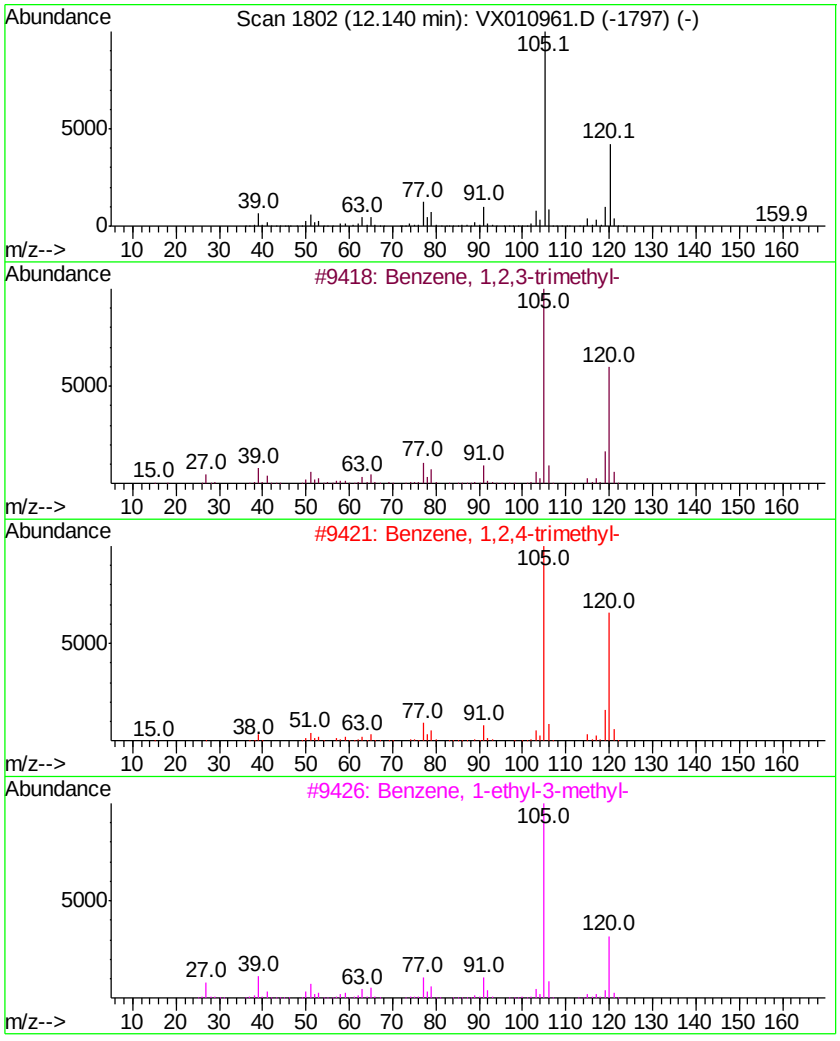
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

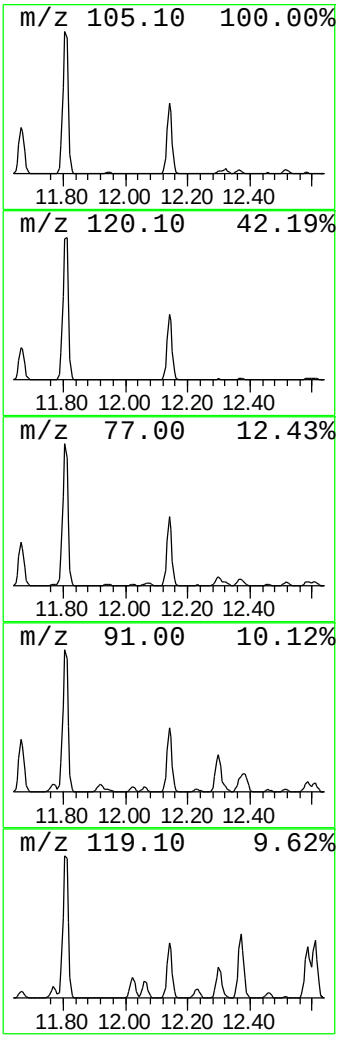
****

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	172.60 ug/l	4114330	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	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010961.D
Acq On : 18 Jul 2019 16:09
Operator : JC/SP
Sample : K3884-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0605

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
Butane, 2-methyl-	1.79	313.7	ug/l	2571700	1	5.67	409899	50.0
Pentane	2.00	246.0	ug/l	2016520	1	5.67	409899	50.0
Pentane, 2-methyl-	2.89	177.0	ug/l	1451020	1	5.67	409899	50.0
Cyclopentane	2.93	195.0	ug/l	1598580	1	5.67	409899	50.0
Pentane, 3-methyl-	3.17	167.5	ug/l	1373350	1	5.67	409899	50.0
n-Hexane	3.53	164.4	ug/l	1347860	1	5.67	409899	50.0
Cyclopentane, met...	4.41	624.3	ug/l	5117980	1	5.67	409899	50.0
Benzene, 1-ethyl-...	11.43	143.2	ug/l	3413730	4	12.08	1191860	50.0
Benzene, 1,2,3-tr...	12.14	172.6	ug/l	4114330	4	12.08	1191860	50.0