LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061105.D
Acq On : 20 Dec 2018 13:50
Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD014-0006-01

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_F\METHODS\82F121918S.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	2.004	132	139	141	rBV	1588616	3911928	4.05%	2.012%
2	2.054	141	144	152	rVV	1421629	4774037	4.94%	2.455%
3	2.182	152	157	159	rVV	1653296	4034219	4.17%	2.075%
4	2.241	159	163	172	rVV	1703781	6285784	6.50%	3.232%
5	2.389	172	178	205	rVB	6045382	16900701	17.48%	8.691%
6	2.942	226	234	238	rBV	4780020	15992813	16.54%	8.224%
7	3.701	303	311	313	rBV	826149	2577973	2.67%	1.326%
8	3.760	314	317	336	rVB	937242	4204065	4.35%	2.162%
9	4.678	403	410	423	rVB2	546153	2105858	2.18%	1.083%
10	5.467	480	490	494	rBV	1233255	4326652	4.48%	2.225%
11	5.595	501	503	516	rVB	377562	1235138	1.28%	0.635%
12	9.807	923	930	937	rBV	2628808	7148757	7.39%	3.676%
13	9.916	937	941	957	rVB	435952	1249934	1.29%	0.643%
14	10.241	958	974	977	rBV	16647527	96684782	100.00%	49.718%
15	11.563	1104	1108	1116	rBV2	1308716	3609716	3.73%	1.856%
16	11.711	1119	1123	1129	rVV	1821928	3243218	3.35%	1.668%
17	11.829	1131	1135	1139	rVB	1250399	1840083	1.90%	0.946%
18	12.214	1170	1174	1180	rVB	3345993	5440032	5.63%	2.797%
19	12.470	1197	1200	1204	rVV2	613507	1170950	1.21%	0.602%
20	12.569	1206	1210	1213	rVV	3538152	5938838	6.14%	3.054%
21	12.618	1213	1215	1221	rVV	1255838	1791349	1.85%	0.921%

Sum of corrected areas: 194466827

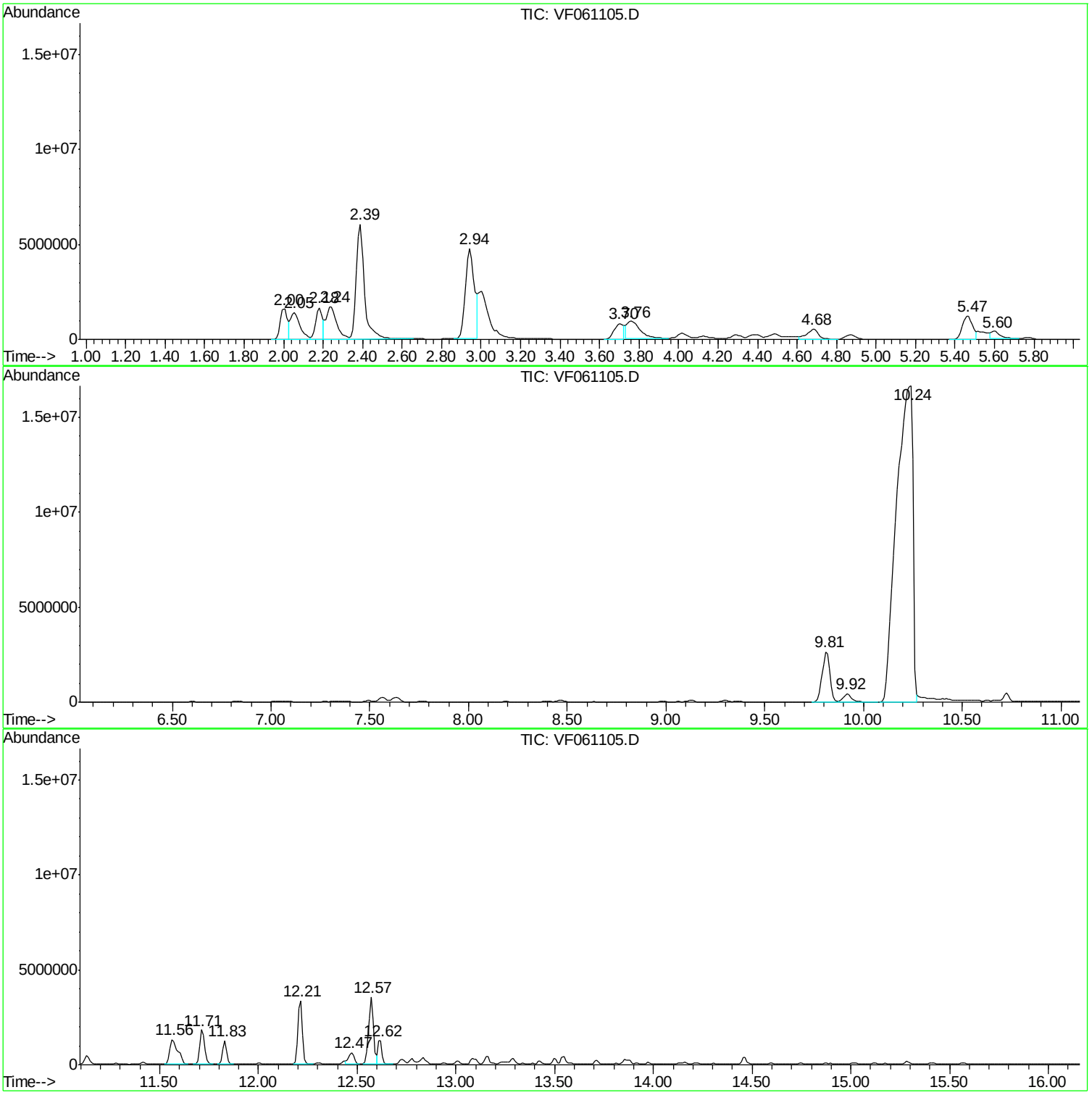
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061105.D
Acq On : 20 Dec 2018 13:50
Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P001-SD014-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.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 F\DATA\VF122018\
Data File : VF061105.D
Acq On : 20 Dec 2018 13:50
Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD014-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

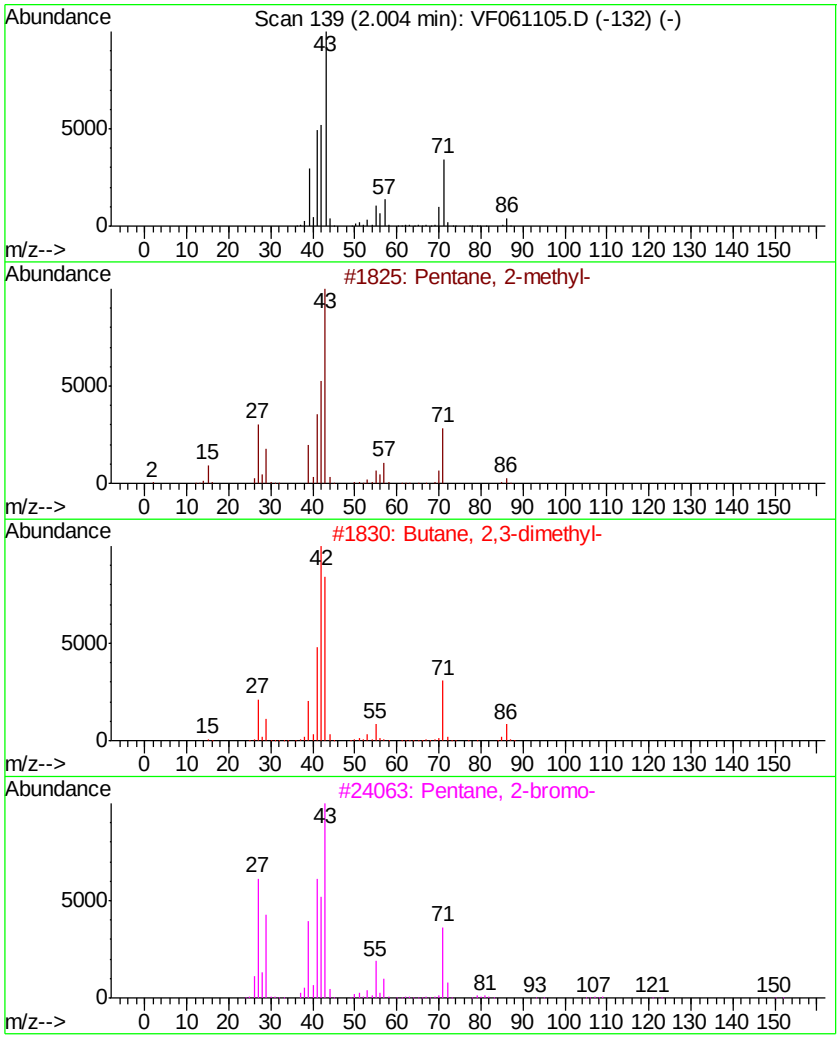
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

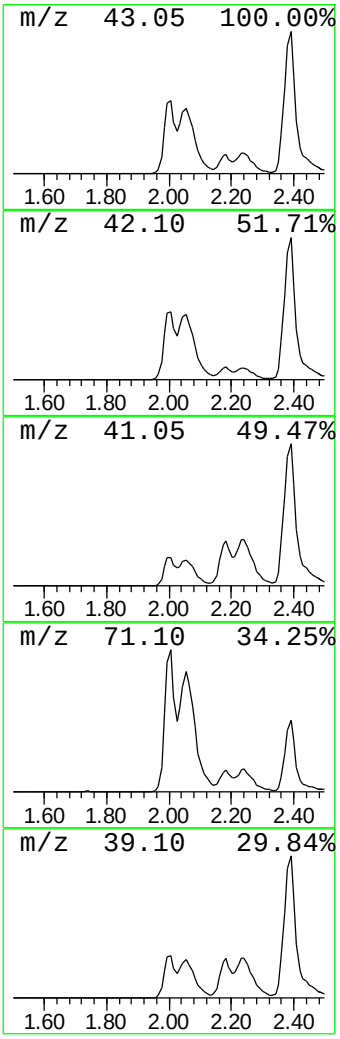
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	92.88 ug/l	3911930	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53
3	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	50
4	Pentane	72	C5H12	000109-66-0	38
5	C2H5C(CH3)2COCH3	114	C7H14O	020669-04-9	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061105.D
Acq On : 20 Dec 2018 13:50
Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD014-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

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

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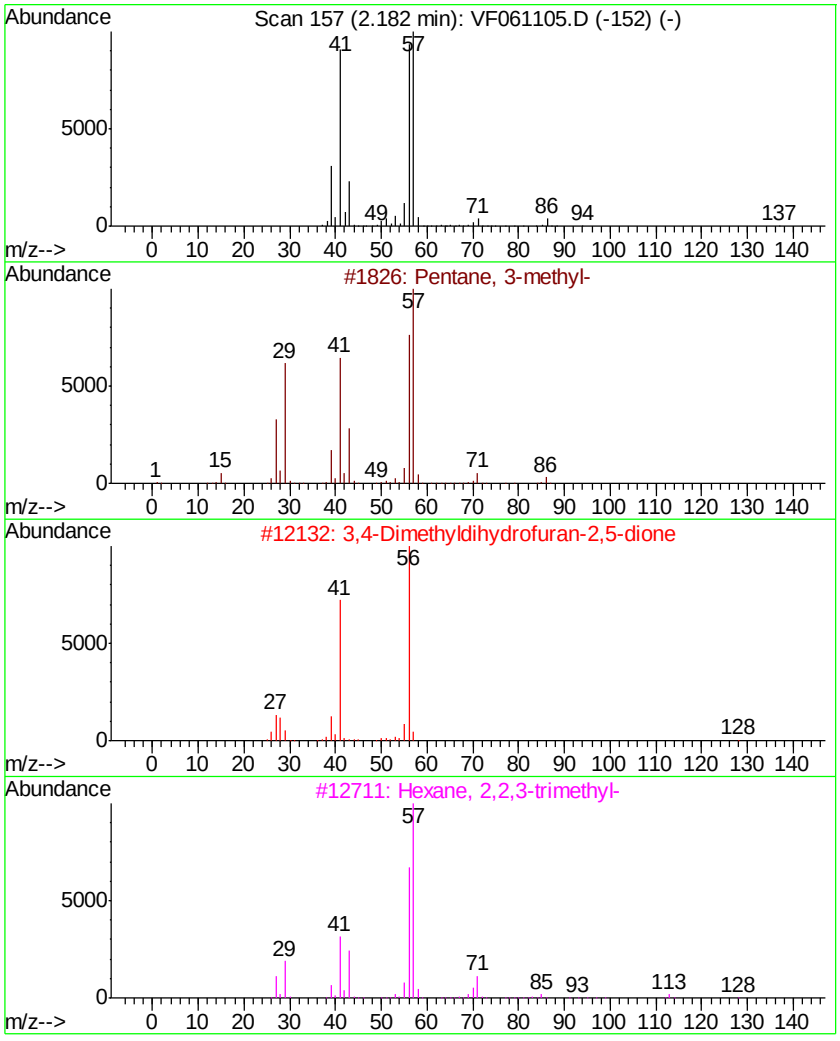
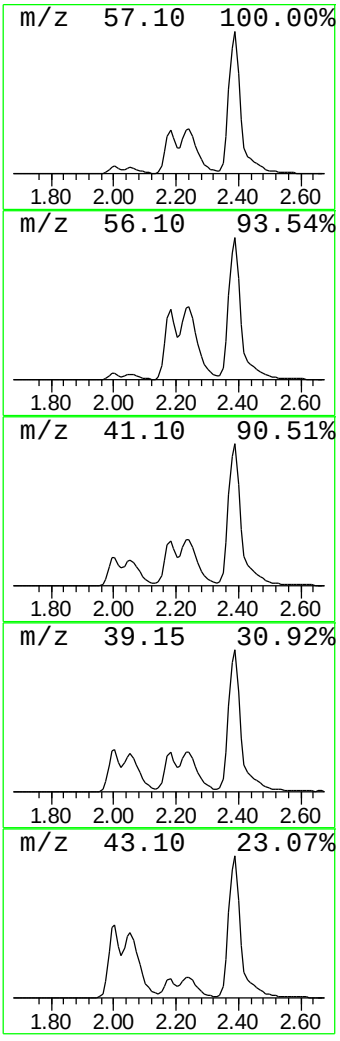
Peak Number 3 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	95.79 ug/l	4034220	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	59
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	38
4	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	35
5	4-Penten-2-ol, 3-methyl-	100	C6H12O	001569-59-1	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061105.D
Acq On : 20 Dec 2018 13:50
Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD014-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

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

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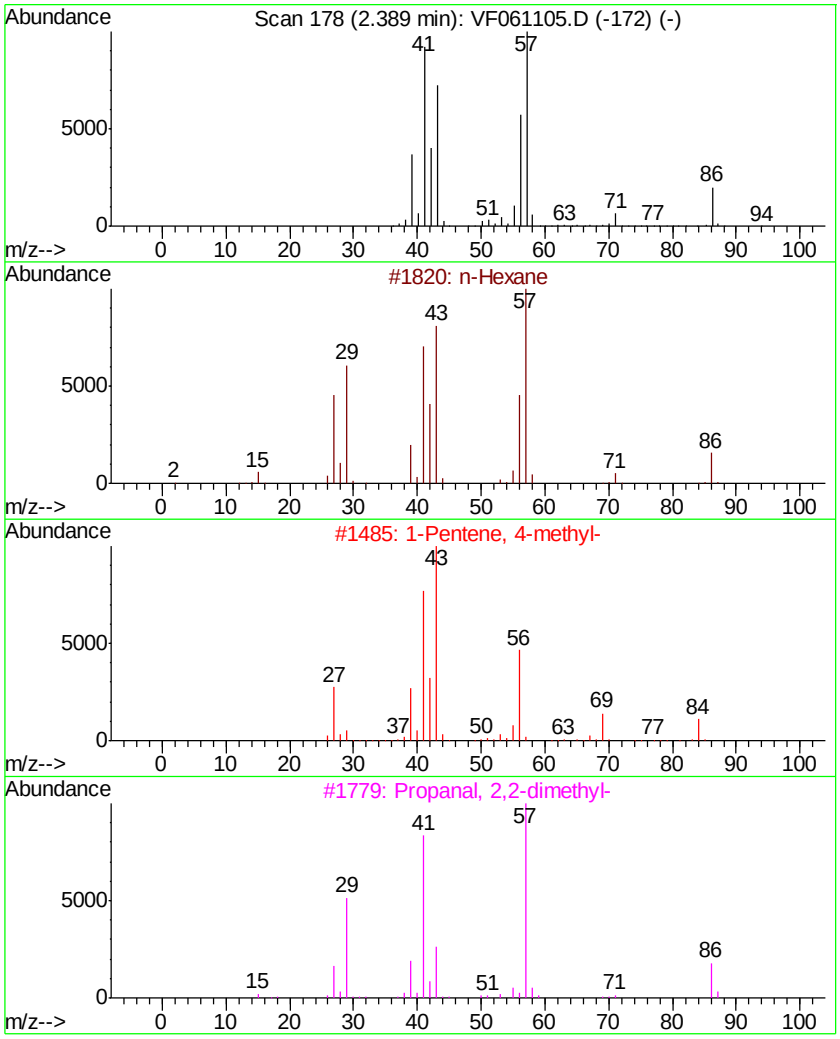
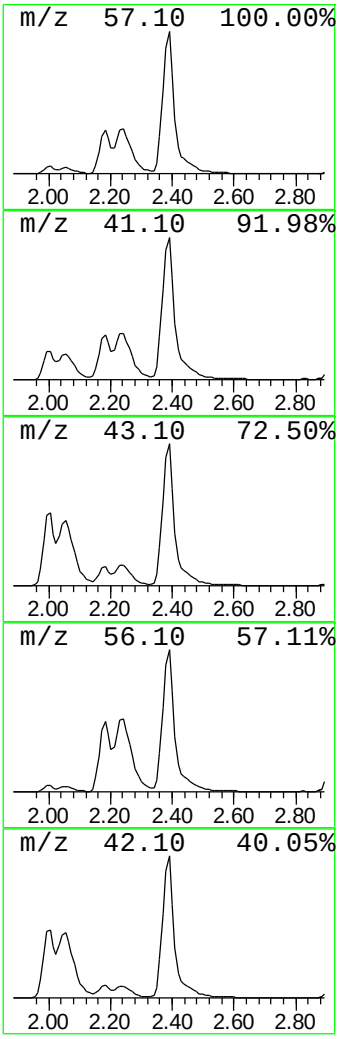
Peak Number 4 n-Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	401.28 ug/l	16900700	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	40
3	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	38
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	37





Library Search Compound Report

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Data File : VF061105.D
Acq On : 20 Dec 2018 13:50
Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD014-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

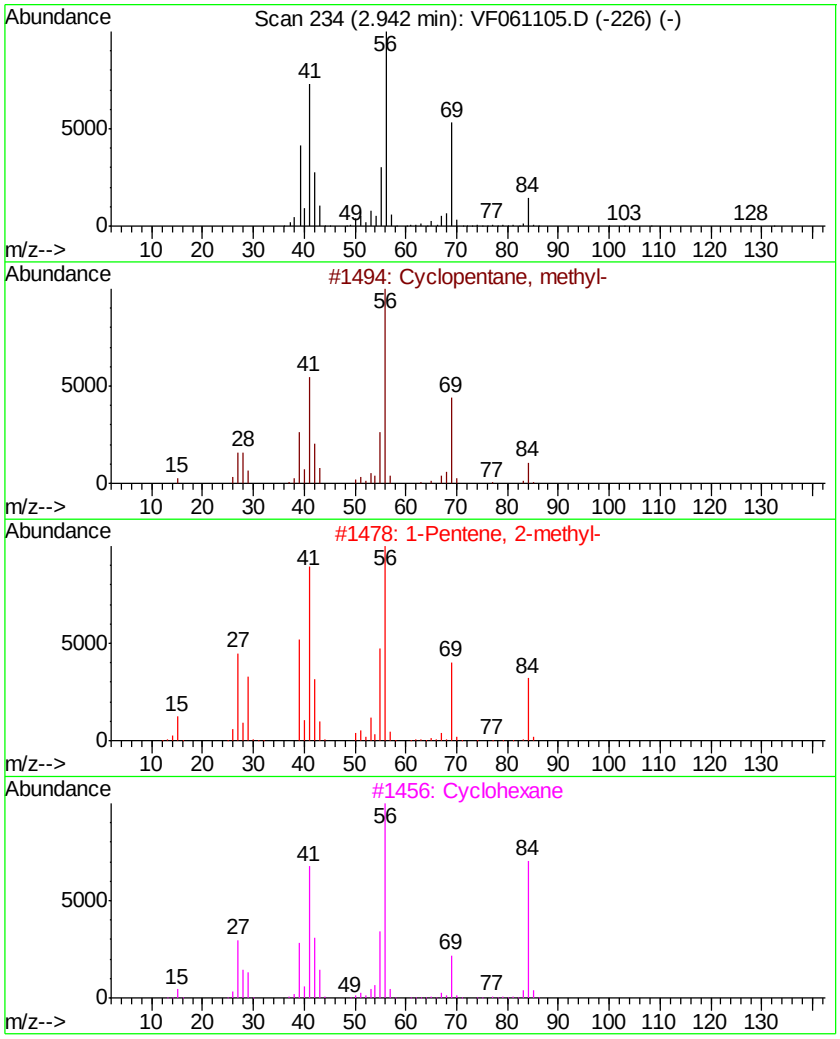
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

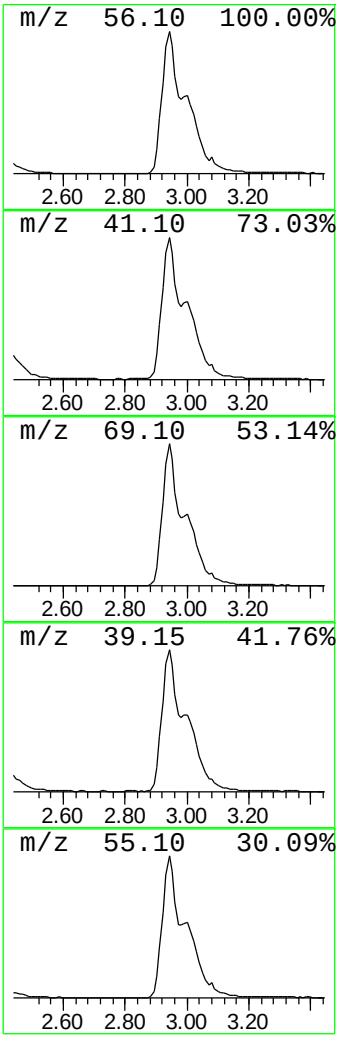
****

Peak Number 5 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.94	379.72 ug/l	15992800	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	93
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
3	Cyclohexane	84	C6H12	000110-82-7	53
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	47





Library Search Compound Report

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Data File : VF061105.D
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Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD014-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

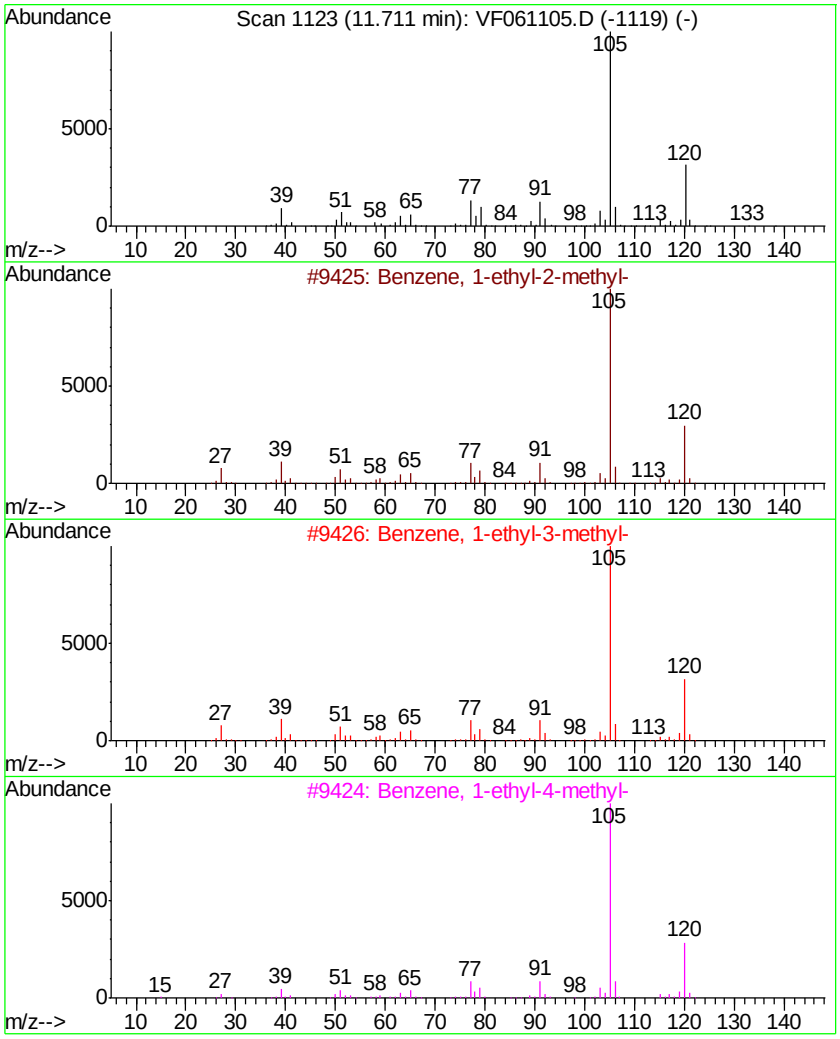
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

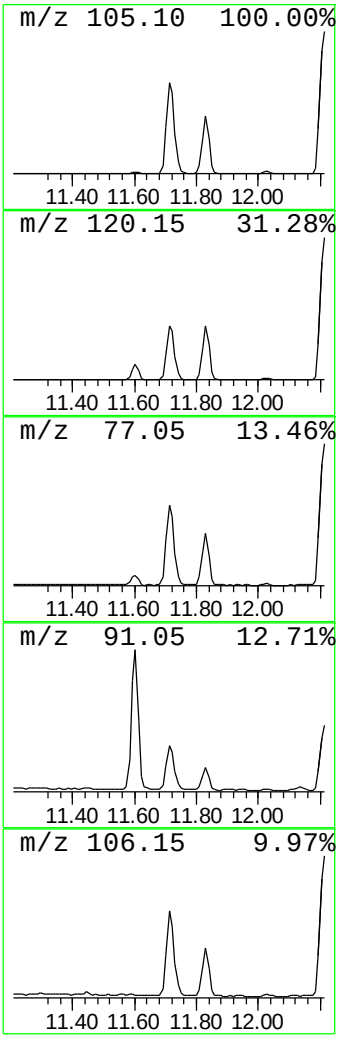
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	27.31 ug/l	3243220	1,4-Dichlorobenzene-d4	12.56

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-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	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122018\
Data File : VF061105.D
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Operator : VA/AP
Sample : J6377-03
Misc : 2.97g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD014-0006-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.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
Pentane, 2-methyl-	2.00	92.9	ug/l	3911930	1	4.87	2105860	50.0
Pentane, 3-methyl-	2.18	95.8	ug/l	4034220	1	4.87	2105860	50.0
n-Hexane	2.39	401.3	ug/l	16900700	1	4.87	2105860	50.0
Cyclopentane, met...	2.94	379.7	ug/l	15992800	1	4.87	2105860	50.0
Benzene, 1-ethyl-...	11.71	27.3	ug/l	3243220	4	12.56	5938840	50.0