LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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	1.110	43	49	52	rBV4	6018	23635	4.52%	0.975%
2	1.998	134	139	149	rBV	95426	255402	48.80%	10.540%
3	2.175	152	157	170	rVB	93326	272681	52.10%	11.253%
4	2.383	173	178	189	rBV	221844	523364	100.00%	21.598%
5	2.935	228	234	240	rBV	71418	210175	40.16%	8.674%
6	3.083	247	249	256	rVB	11691	16036	3.06%	0.662%
7	3.754	304	317	324	rBV6	12728	64360	12.30%	2.656%
8	3.882	326	330	336	rVV5	3900	12972	2.48%	0.535%
9	4.010	336	343	350	rVV4	11452	48864	9.34%	2.017%
10	4.119	352	354	361	rVB4	4573	10701	2.04%	0.442%
11	4.286	364	371	375	rBV4	8660	29192	5.58%	1.205%
12	4.375	377	380	385	rVV6	8354	26621	5.09%	1.099%
13	4.484	385	391	399	rVB5	13335	45606	8.71%	1.882%
14	4.681	404	411	418	rBV3	13063	42125	8.05%	1.738%
15	4.878	424	431	436	rBV4	8394	28175	5.38%	1.163%
16	5.460	482	490	500	rBV2	56632	181485	34.68%	7.490%
17	5.598	500	504	511	rVB2	8428	22825	4.36%	0.942%
18	5.766	516	521	525	rVB5	3114	8825	1.69%	0.364%
19	7.039	643	650	651	rBV5	3332	8938	1.71%	0.369%
20	7.374	682	684	690	rBV5	2672	5354	1.02%	0.221%
21	7.482	692	695	700	rBV6	2174	6042	1.15%	0.249%
22	7.561	700	703	709	rVB3	8564	20941	4.00%	0.864%
23	7.759	719	723	732	rVB6	2608	6547	1.25%	0.270%
24	8.459	790	794	799	rVB3	4773	11703	2.24%	0.483%
25	9.110	857	860	867	rVB4	2529	8147	1.56%	0.336%
26	9.288	874	878	883	rVB4	2636	6025	1.15%	0.249%
27	9.781	923	928	933	rBV5	8408	22543	4.31%	0.930%
28	9.909	938	941	945	rVB3	2495	5256	1.00%	0.217%
29	10.136	959	964	971	rBV	45746	105400	20.14%	4.350%
30	10.540	1000	1005	1009	rVB6	3164	8812	1.68%	0.364%
31	10.678	1012	1019	1020	rVV3	3085	8185	1.56%	0.338%
32	10.718	1021	1023	1027	rVV2	4848	8698	1.66%	0.359%
33	11.132	1060	1065	1067	rBV3	3806	7596	1.45%	0.313%
34	11.280	1076	1080	1083	rVB5	4742	10770	2.06%	0.444%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

35	11.418	1089	1094	1097	rBV4	3827	9166	1.75%	0.378%
36	11.596	1110	1112	1115	rVV2	5313	8292	1.58%	0.342%
37	11.714	1121	1124	1131	rVB	9844	24374	4.66%	1.006%
38	11.833	1133	1136	1139	rVB	10252	15027	2.87%	0.620%
39	12.020	1150	1155	1159	rVV6	4880	13462	2.57%	0.556%
40	12.207	1171	1174	1179	rVB	25832	42138	8.05%	1.739%
41	12.306	1179	1184	1189	rBV3	3970	8834	1.69%	0.365%
42	12.474	1198	1201	1204	rVV4	7713	14005	2.68%	0.578%
43	12.572	1207	1211	1213	rVV2	27018	50375	9.63%	2.079%
44	12.612	1213	1215	1218	rVB2	9369	13997	2.67%	0.578%
45	12.760	1229	1230	1233	rVV	29917	27514	5.26%	1.135%
46	12.799	1233	1234	1236	rVV	88652	59947	11.45%	2.474%
47	12.829	1236	1237	1242	rVB2	7478	14450	2.76%	0.596%
48	13.006	1251	1255	1260	rVB6	4831	10137	1.94%	0.418%
49	13.095	1260	1264	1268	rBV4	3931	10521	2.01%	0.434%
50	13.154	1268	1270	1273	rBV2	5965	9917	1.89%	0.409%
51	13.500	1302	1305	1307	rBV3	3136	5386	1.03%	0.222%
52	13.707	1323	1326	1330	rVB3	2565	5570	1.06%	0.230%
53	15.492	1502	1507	1510	rVB3	1863	6070	1.16%	0.250%

Sum of corrected areas: 2423183

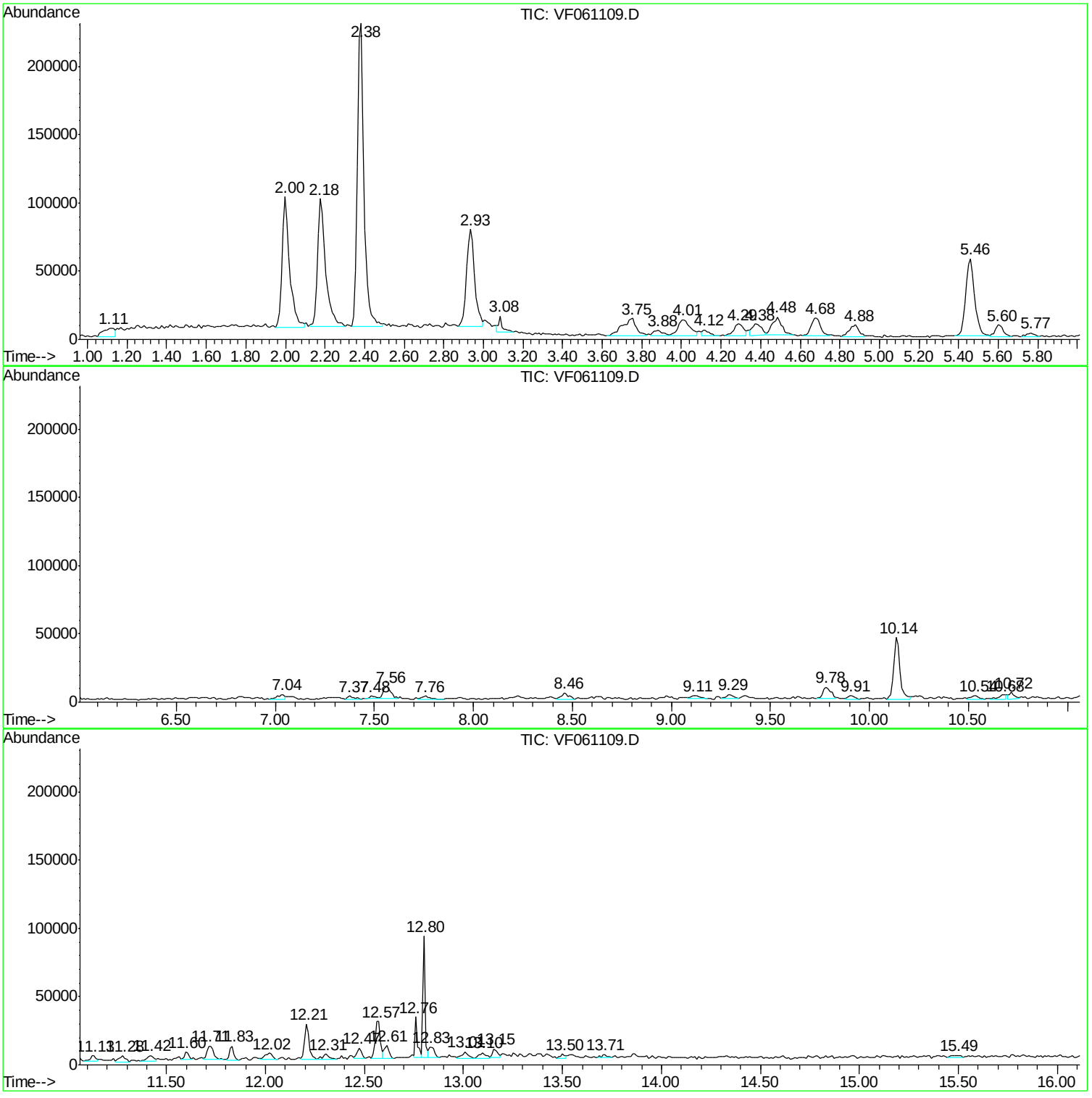
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0612-01

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 : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

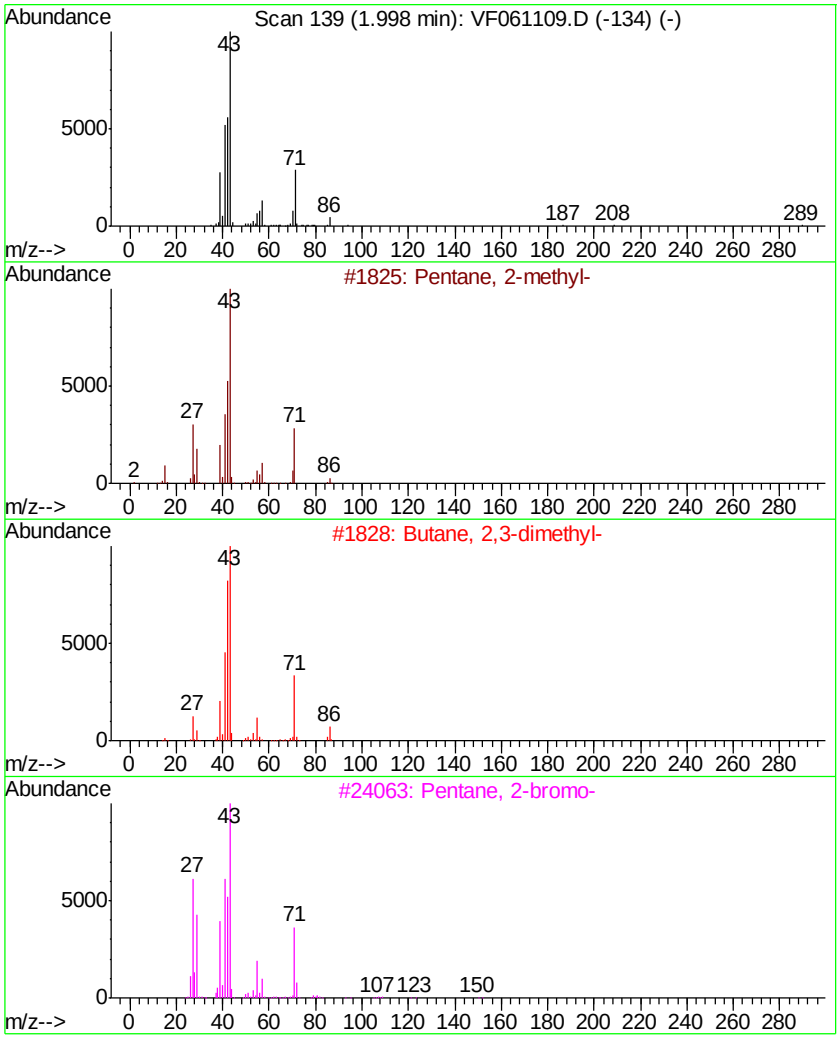
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

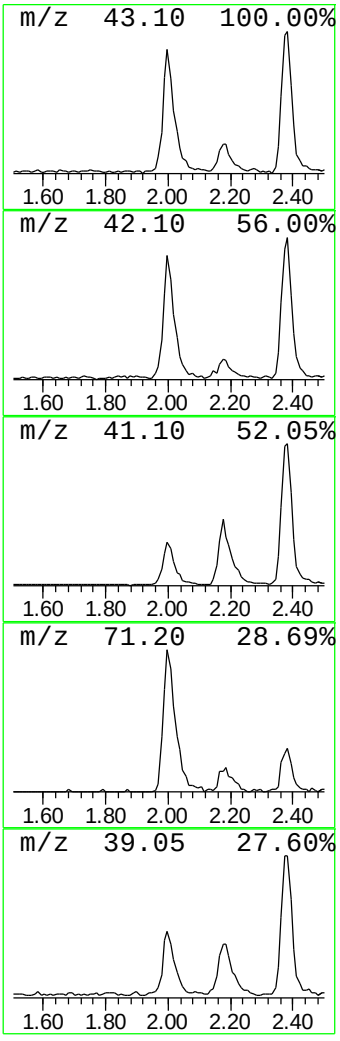
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	453.24 ug/l	255402	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
3	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	39
4	Pentane	72	C5H12	000109-66-0	28
5	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

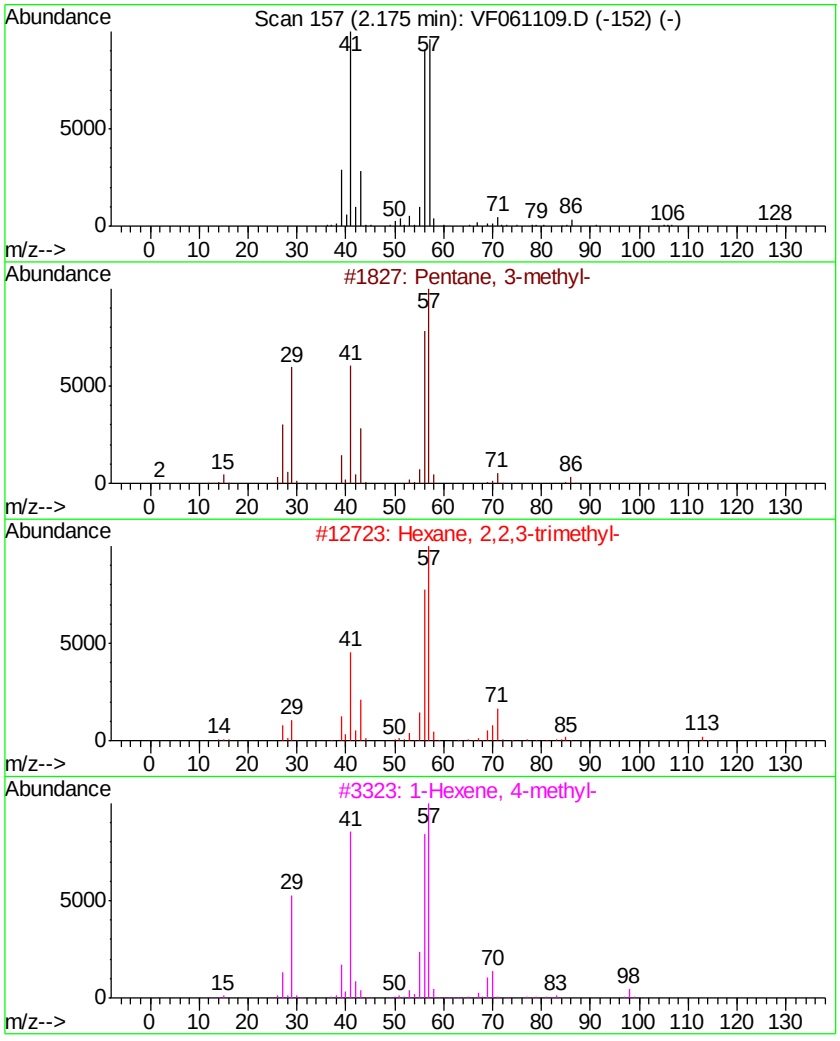
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

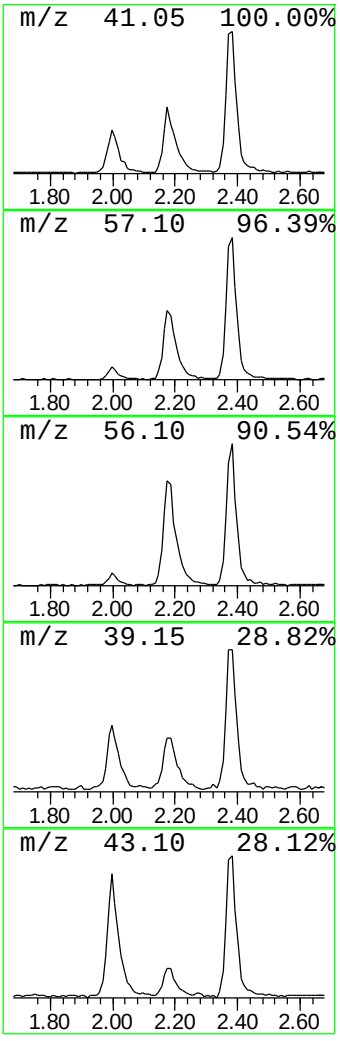
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	483.91 ug/l	272681	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	40
4	Oxirane, 2-methyl-3-(1-methyleth...	100	C6H12O	001192-31-0	40
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

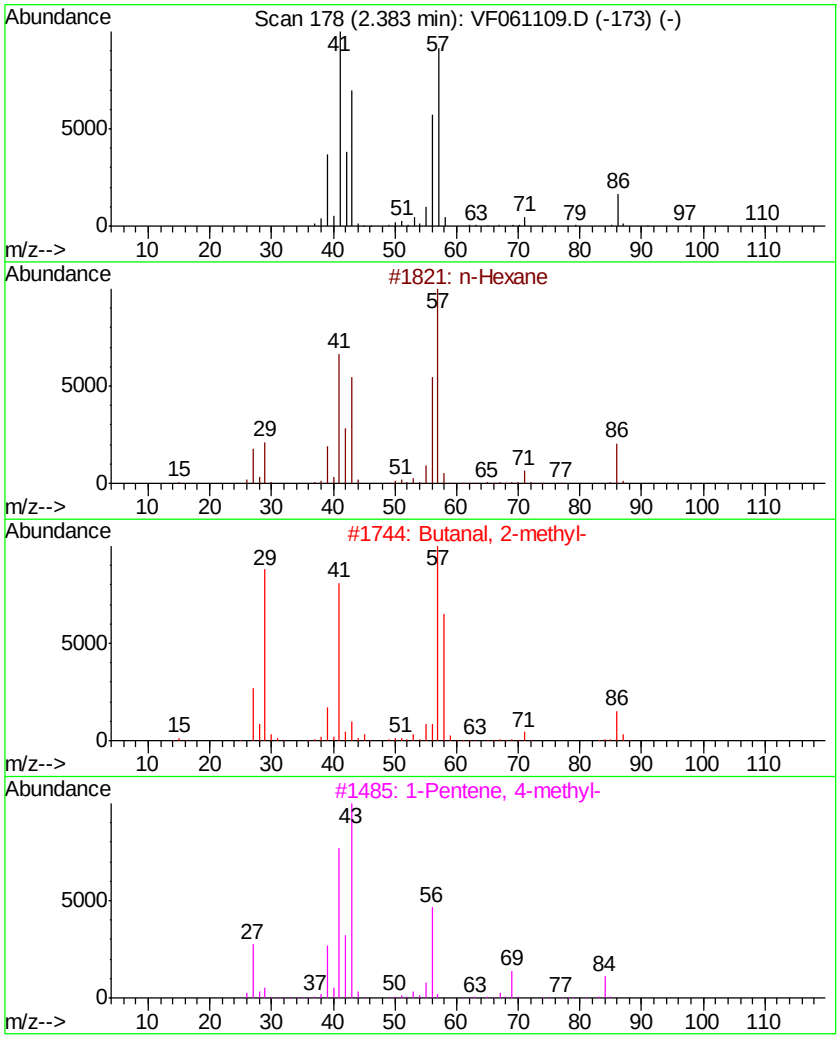
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

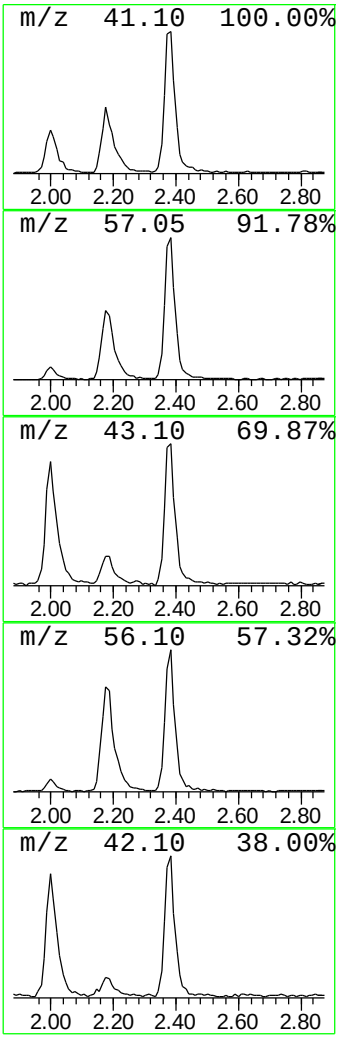
****

Peak Number 3 n-Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.38	928.77 ug/l	523364	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	Butanal, 2-methyl-	86	C5H10O	000096-17-3	43
3	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	40
4	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	38
5	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

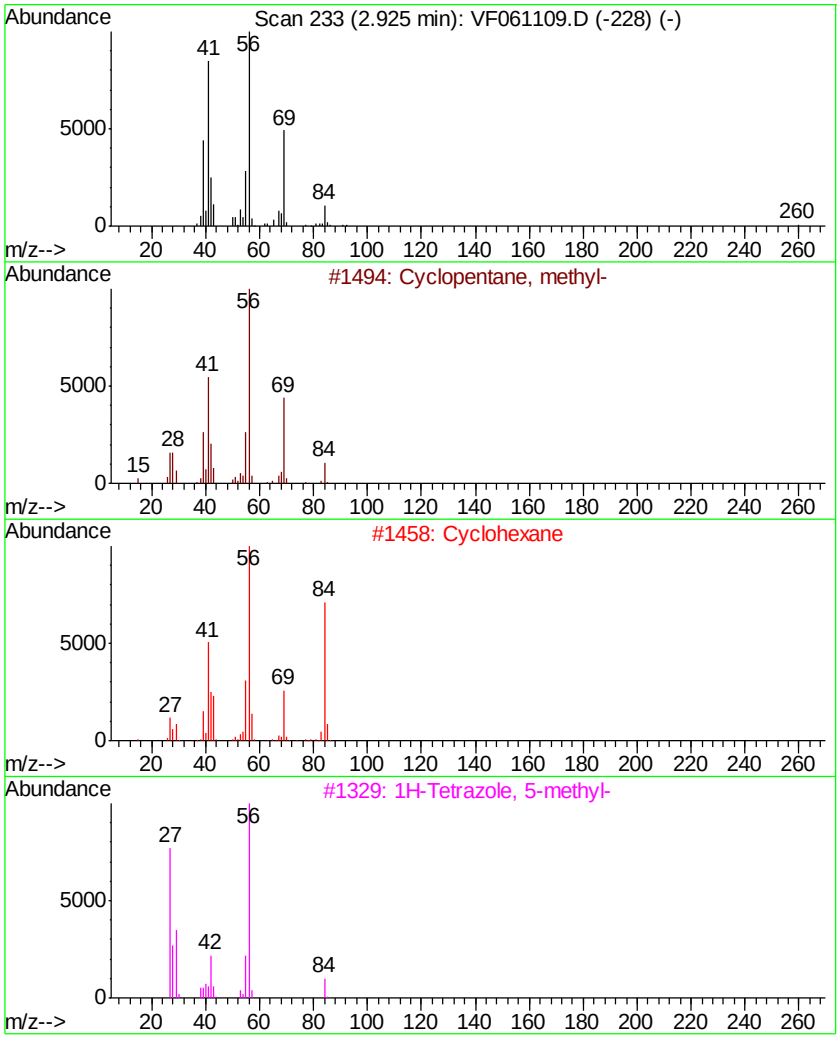
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

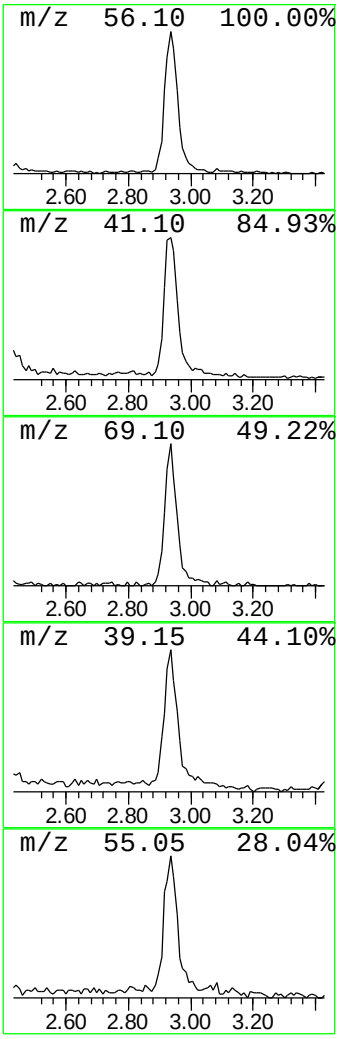
****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	372.98 ug/l	210175	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	70
2	Cyclohexane	84	C6H12	000110-82-7	53
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	45
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

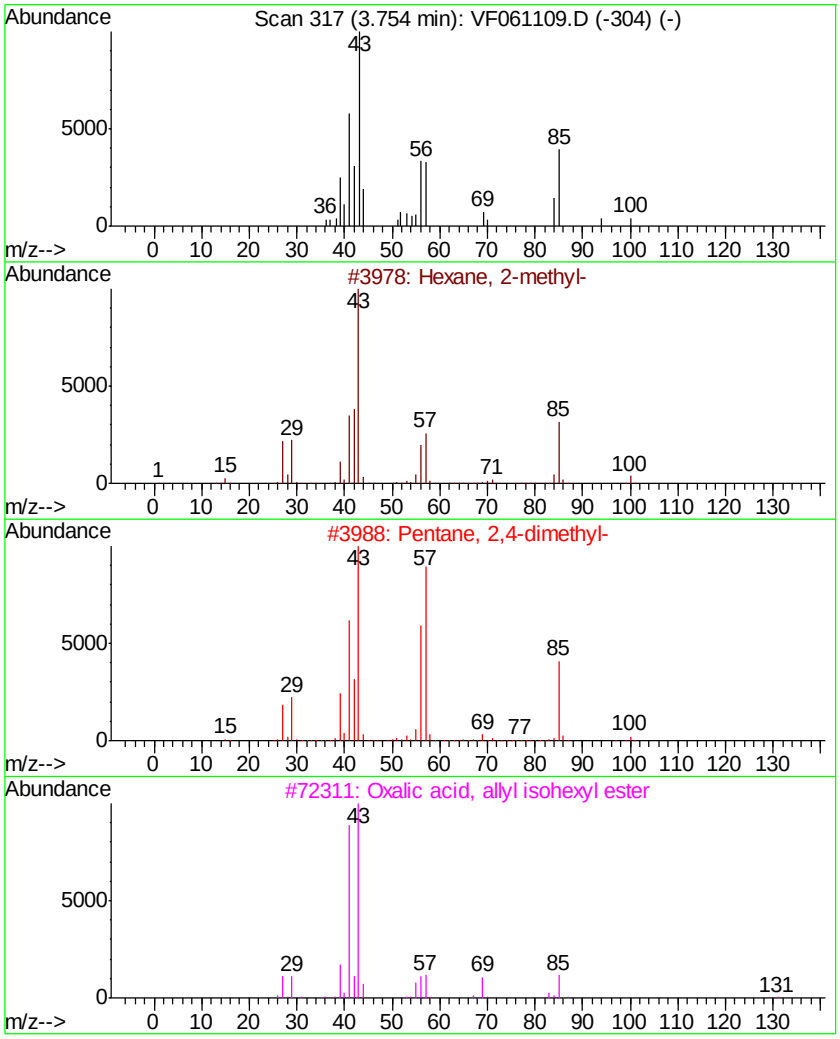
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

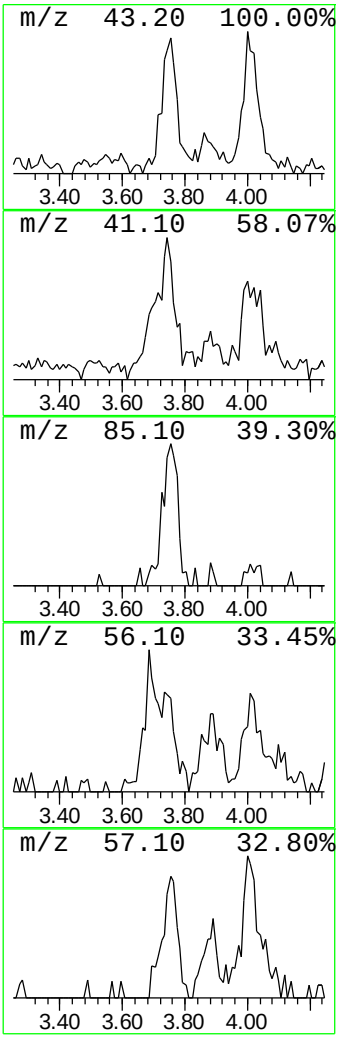
****

Peak Number 5 Hexane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	114.22 ug/l	64360	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	53
3	Oxalic acid, allyl isohexyl ester	214	C11H18O4	1000309-23-3	36
4	2-Propen-1-amine, N-ethyl-	85	C5H11N	002424-02-4	36
5	Methacrylamide	85	C4H7NO	000079-39-0	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

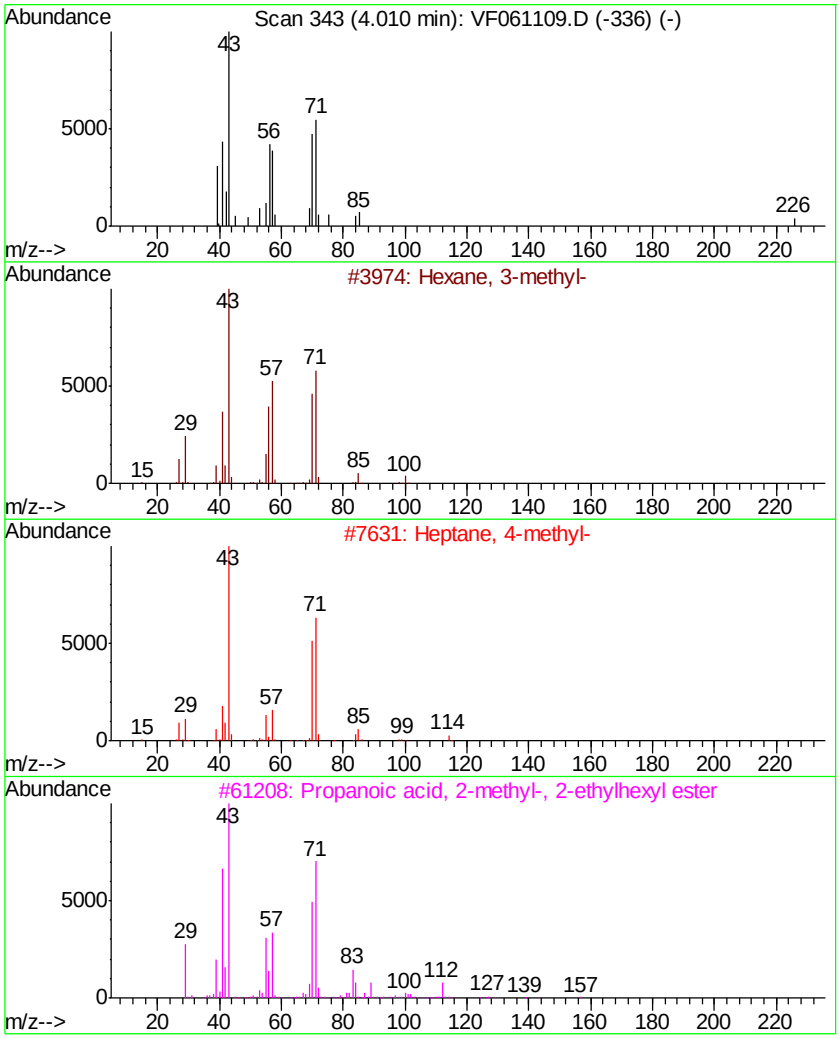
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

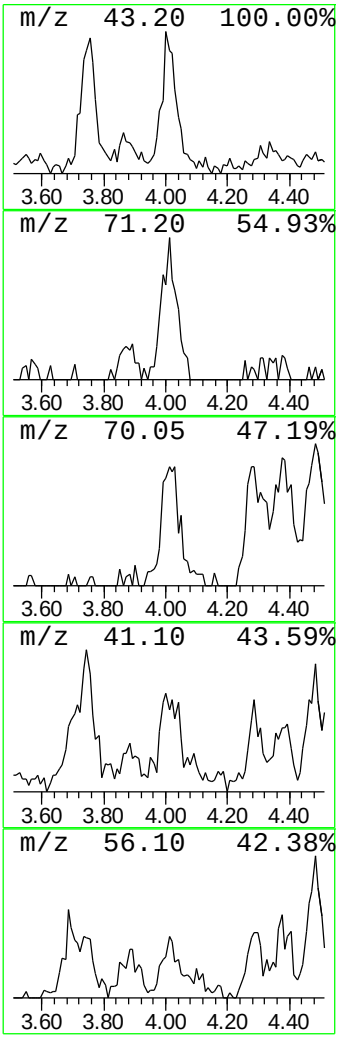
****

Peak Number 6 Hexane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	86.72 ug/l	48864	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	56
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	50
3	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	40
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	38
5	n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

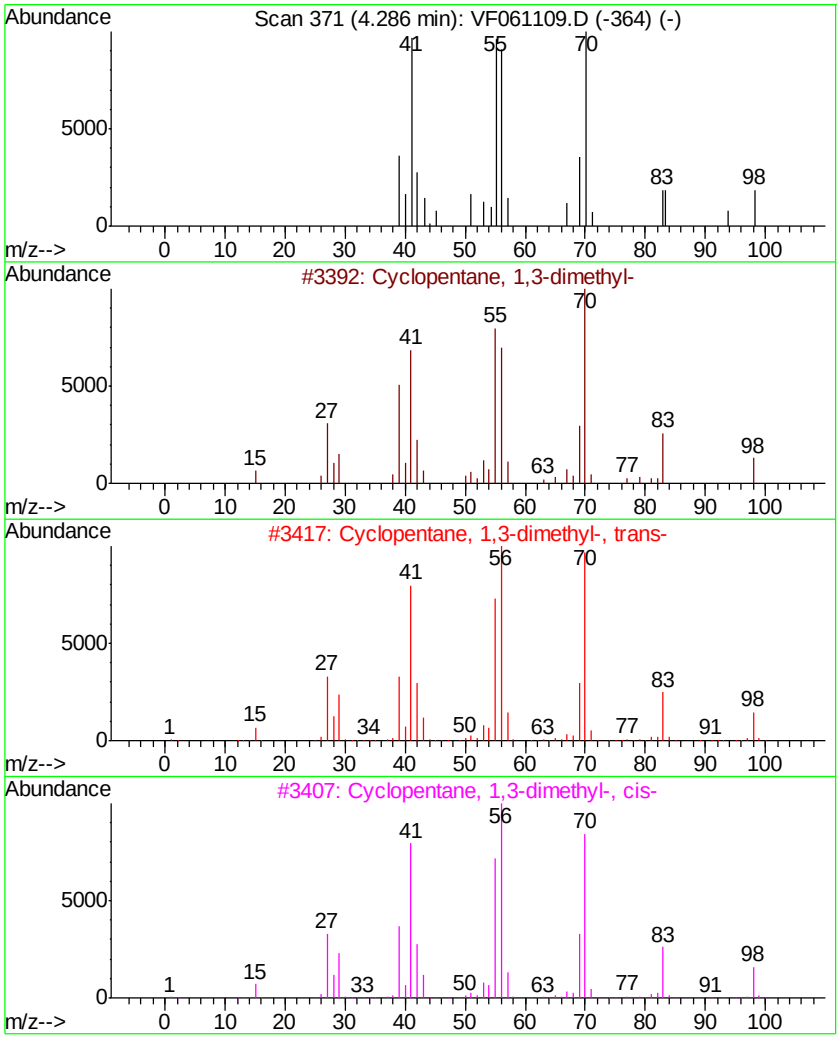
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

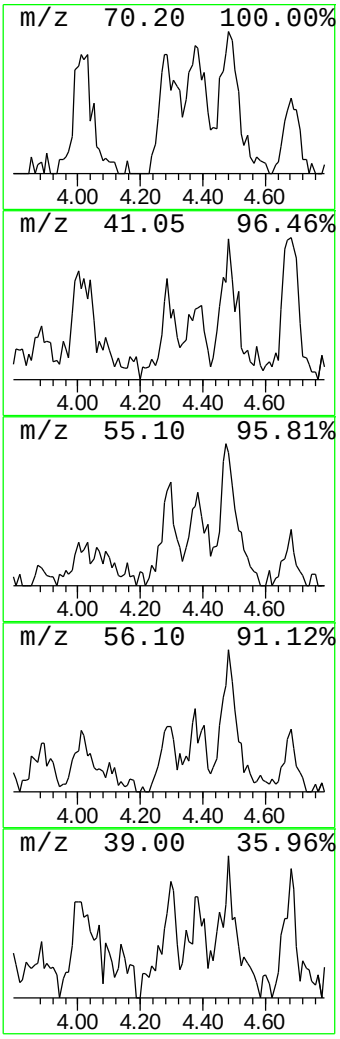
****

Peak Number 7 Cyclopentane, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.29	51.80 ug/l	29192	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
2	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
5	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

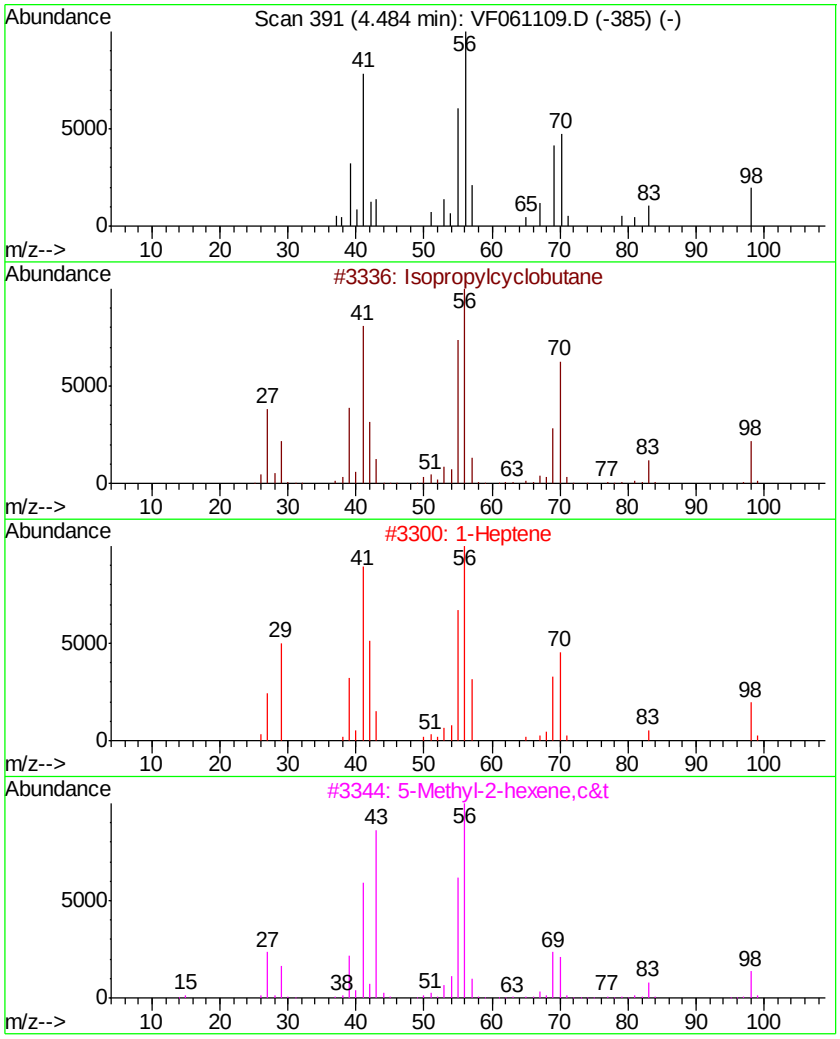
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

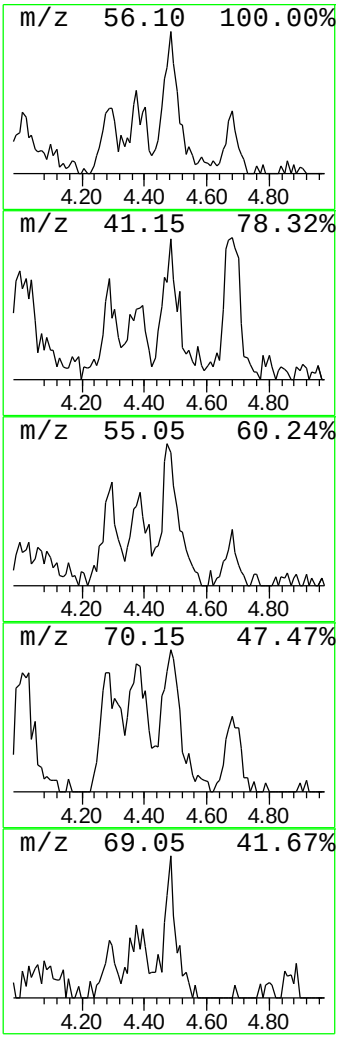
****

Peak Number 8 Isopropylcyclobutane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	80.93 ug/l	45606	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	83
2	1-Heptene	98	C7H14	000592-76-7	72
3	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	72
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
5	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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

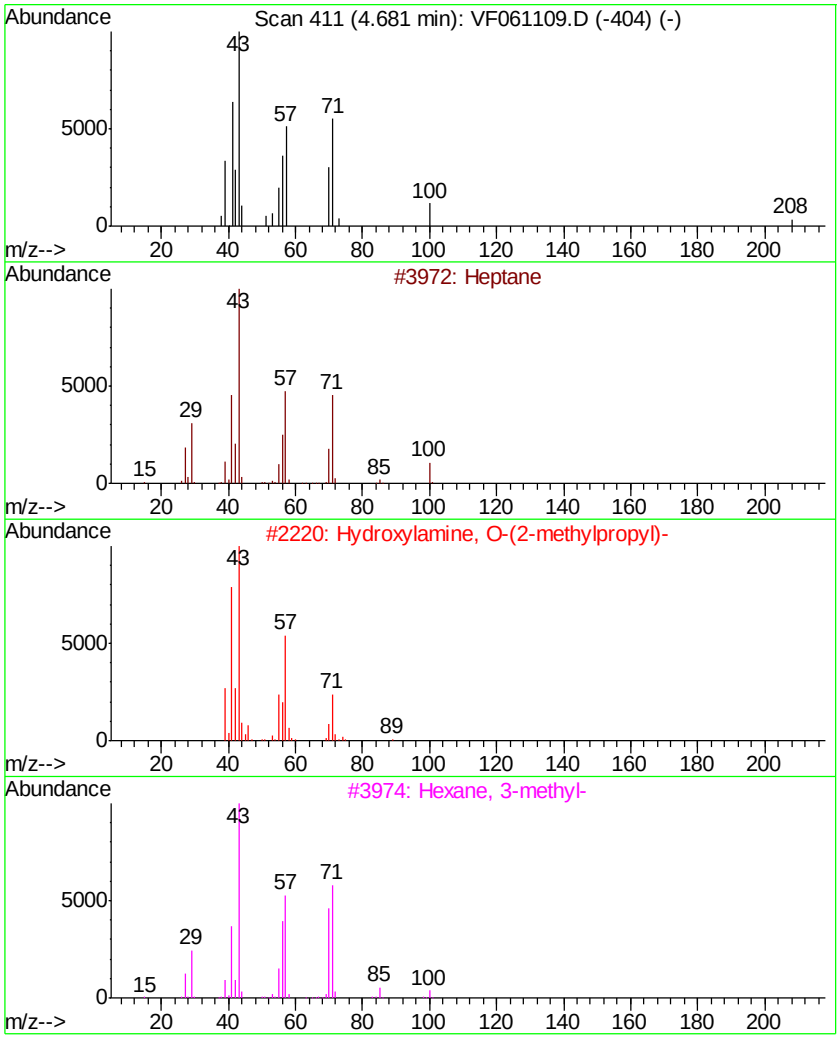
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

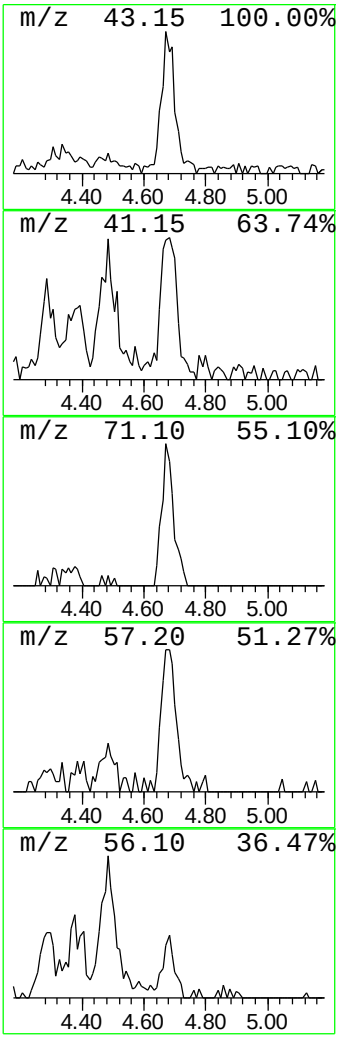
****

Peak Number 9 Heptane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	74.76 ug/l	42125	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	72
2	Hydroxylamine, O-(2-methylpropyl)-	89	C4H11NO	005618-62-2	59
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	42
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	33
5	.alpha.-Amino-.gamma.-butyrolactone	101	C4H7NO2	001192-20-7	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122018\
Data File : VF061109.D
Acq On : 20 Dec 2018 15:45
Operator : VA/AP
Sample : J6377-10
Misc : 5.33g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SD003-0612-01

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	453.2	ug/l	255402	1	4.87	28175	50.0
Pentane, 3-methyl-	2.18	483.9	ug/l	272681	1	4.87	28175	50.0
n-Hexane	2.38	928.8	ug/l	523364	1	4.87	28175	50.0
Cyclopentane, met...	2.93	373.0	ug/l	210175	1	4.87	28175	50.0
Hexane, 2-methyl-	3.75	114.2	ug/l	64360	1	4.87	28175	50.0
Hexane, 3-methyl-	4.01	86.7	ug/l	48864	1	4.87	28175	50.0
Cyclopentane, 1,3...	4.29	51.8	ug/l	29192	1	4.87	28175	50.0
Isopropylcyclobutane	4.48	80.9	ug/l	45606	1	4.87	28175	50.0
Heptane	4.68	74.8	ug/l	42125	1	4.87	28175	50.0