LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_W
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_W\METHOD\82W122118S.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	4.952	476	500	530	rBV2	552780	2268574	41.75%	8.834%
2	5.433	561	579	618	rBV	658861	2506968	46.14%	9.762%
3	5.933	646	661	681	rBV	1792543	5433609	100.00%	21.158%
4	6.982	821	833	853	rVV	717243	2190211	40.31%	8.529%
5	7.945	972	991	1000	rBV5	221918	877196	16.14%	3.416%
6	8.030	1000	1005	1017	rVV2	44588	117181	2.16%	0.456%
7	8.152	1017	1025	1032	rVV	158886	368731	6.79%	1.436%
8	8.219	1032	1036	1044	rVV2	28764	76814	1.41%	0.299%
9	8.311	1044	1051	1061	rVV2	55739	130337	2.40%	0.508%
10	8.433	1061	1071	1077	rVV3	113101	268651	4.94%	1.046%
11	8.506	1077	1083	1088	rVV	104459	232552	4.28%	0.906%
12	8.573	1088	1094	1106	rVV2	159480	378483	6.97%	1.474%
13	8.695	1106	1114	1124	rVB	189672	368370	6.78%	1.434%
14	8.841	1130	1138	1148	rBV	157378	305963	5.63%	1.191%
15	9.335	1204	1219	1236	rBB	627507	1343299	24.72%	5.231%
16	10.097	1334	1344	1358	rBV3	29312	75871	1.40%	0.295%
17	10.323	1374	1381	1390	rBV	225873	437442	8.05%	1.703%
18	10.506	1404	1411	1418	rVB4	36714	86157	1.59%	0.335%
19	11.176	1513	1521	1526	rVV2	28387	57366	1.06%	0.223%
20	11.408	1552	1559	1571	rVB5	27708	88335	1.63%	0.344%
21	11.634	1589	1596	1606	rBV2	165319	355115	6.54%	1.383%
22	11.731	1606	1612	1617	rVV2	36423	68014	1.25%	0.265%
23	11.835	1621	1629	1648	rVB	719866	1374538	25.30%	5.352%
24	12.170	1672	1684	1691	rBV	61652	136016	2.50%	0.530%
25	12.469	1727	1733	1738	rBV	33872	55472	1.02%	0.216%
26	12.615	1751	1757	1767	rVB2	271751	478376	8.80%	1.863%
27	12.810	1779	1789	1793	rVB	74717	146020	2.69%	0.569%
28	12.871	1793	1799	1802	rBV	137055	225811	4.16%	0.879%
29	12.902	1802	1804	1808	rVV	93462	135255	2.49%	0.527%
30	12.944	1808	1811	1818	rVB	161545	248354	4.57%	0.967%
31	13.109	1830	1838	1844	rBV	58583	108042	1.99%	0.421%
32	13.255	1856	1862	1868	rBV	429974	656766	12.09%	2.557%
33	13.444	1889	1893	1897	rVV2	42331	70569	1.30%	0.275%
34	13.505	1897	1903	1908	rVV	170073	290783	5.35%	1.132%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_W
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_W\METHOD\82W122118S.M
Title : SW846 8260

35	13.584	1908	1916	1927	rVB3	698099	1314456	24.19%	5.118%
36	13.755	1940	1944	1947	rVV	84705	133938	2.46%	0.522%
37	13.798	1947	1951	1960	rVB3	115954	232623	4.28%	0.906%
38	13.883	1960	1965	1970	rBV3	36444	62354	1.15%	0.243%
39	13.956	1970	1977	1982	rBV	50985	78515	1.44%	0.306%
40	14.017	1982	1987	1989	rVV	62106	96868	1.78%	0.377%
41	14.048	1989	1992	1994	rVV	67077	101377	1.87%	0.395%
42	14.103	1994	2001	2006	rVB2	147199	362797	6.68%	1.413%
43	14.206	2013	2018	2023	rVB3	57991	97909	1.80%	0.381%
44	14.346	2035	2041	2045	rBV2	53737	93790	1.73%	0.365%
45	14.426	2045	2054	2057	rVV	115018	225969	4.16%	0.880%
46	14.462	2057	2060	2064	rVV	135150	192008	3.53%	0.748%
47	14.505	2064	2067	2071	rVV2	37997	54942	1.01%	0.214%
48	14.548	2071	2074	2082	rVV3	31638	55967	1.03%	0.218%
49	14.798	2110	2115	2122	rBV2	98098	216762	3.99%	0.844%
50	15.078	2155	2161	2172	rBV2	35981	89320	1.64%	0.348%
51	15.176	2172	2177	2187	rVV4	28940	63065	1.16%	0.246%
52	15.334	2198	2203	2206	rBV3	34168	57619	1.06%	0.224%
53	16.450	2380	2386	2393	rBV	44651	87939	1.62%	0.342%
54	16.651	2412	2419	2432	rVB2	33660	101207	1.86%	0.394%

Sum of corrected areas: 25680666

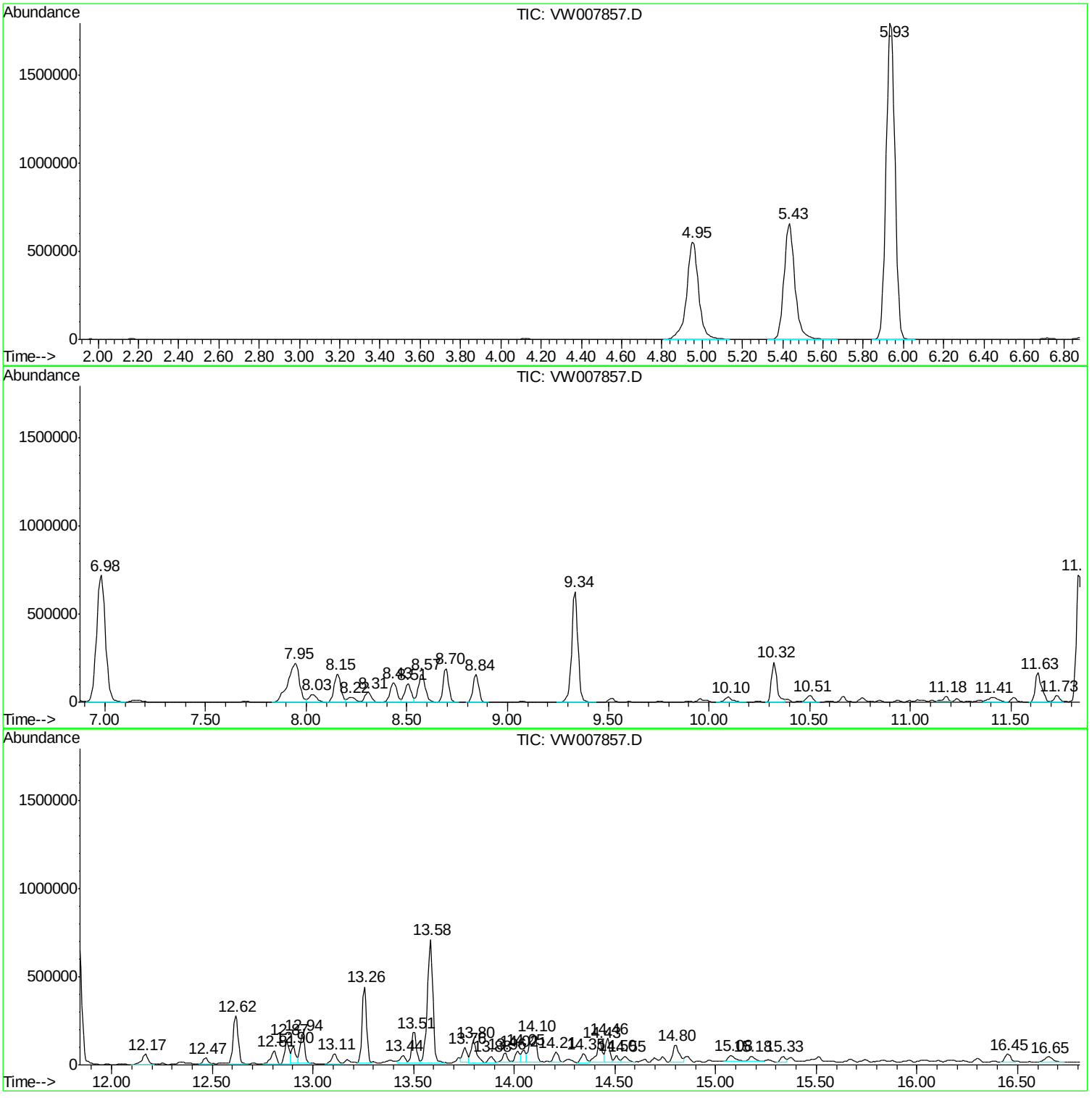
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.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_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

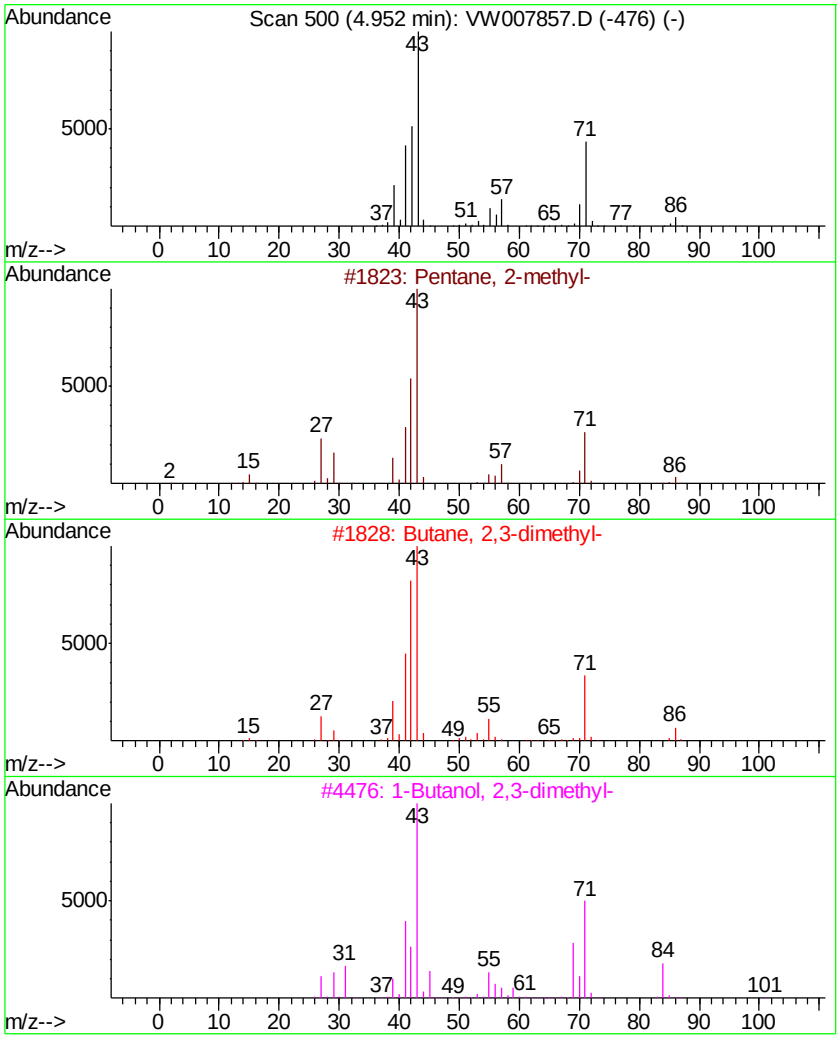
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

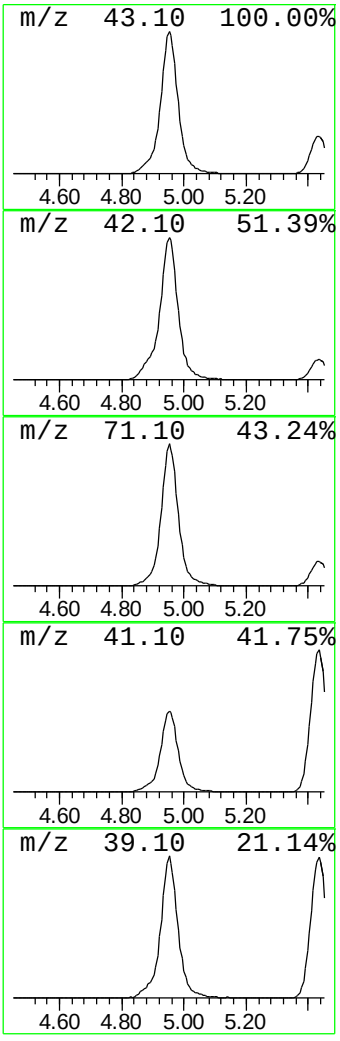
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	129.31 ug/l	2268570	Pentafluorobenzene	7.95

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	52
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4	Pentane	72	C5H12	000109-66-0	43
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

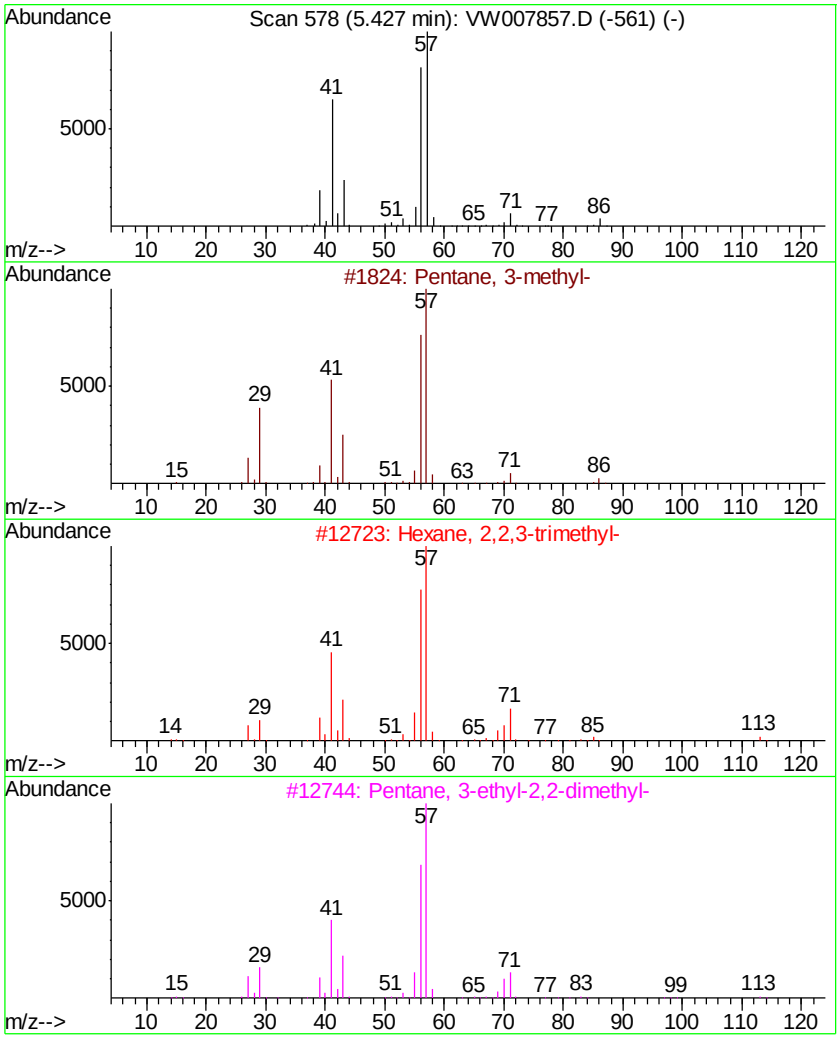
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

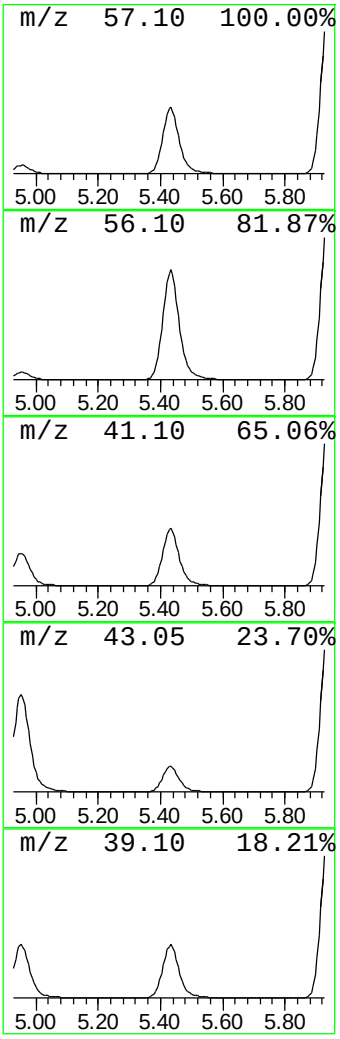
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.43	142.90 ug/l	2506970	Pentafluorobenzene	7.95

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	83
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	42
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

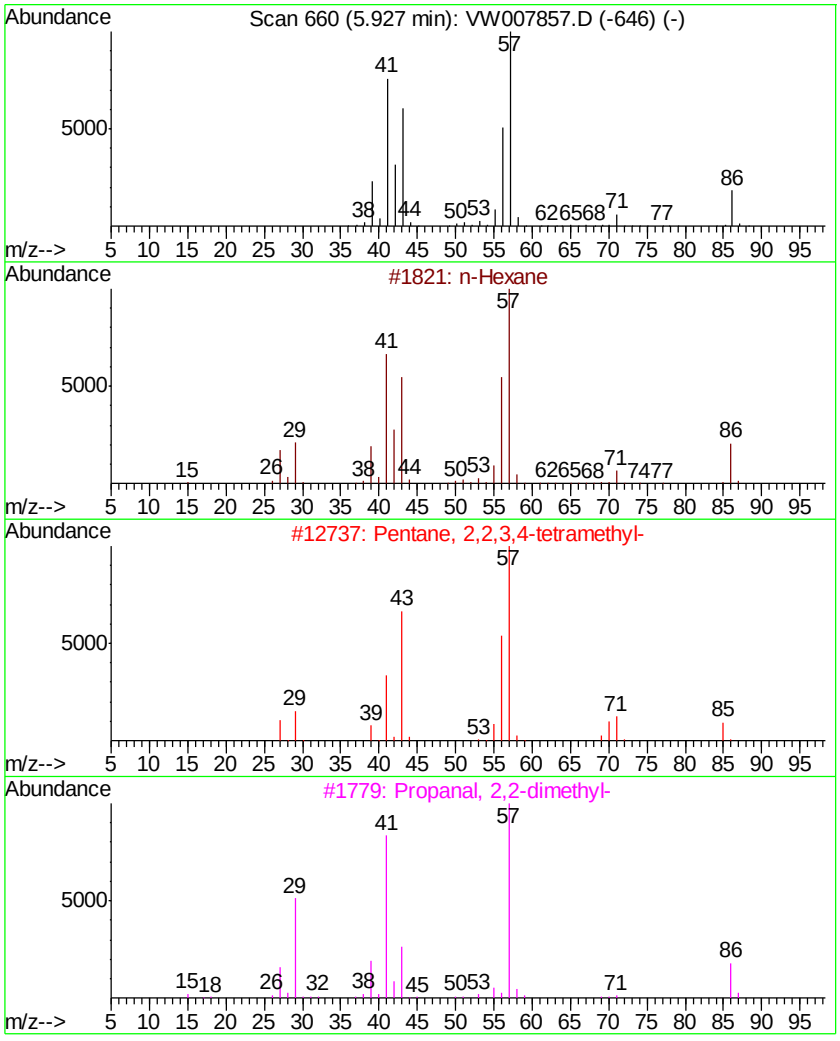
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

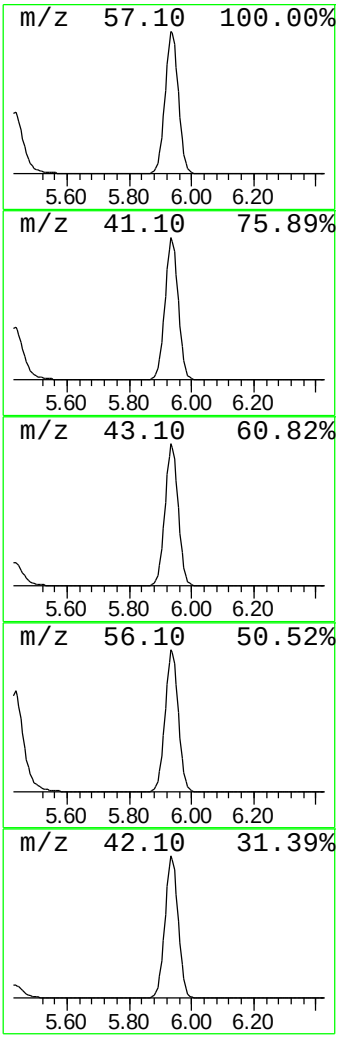
****

Peak Number 3 n-Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	309.72 ug/l	5433610	Pentafluorobenzene	7.95

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	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	38
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

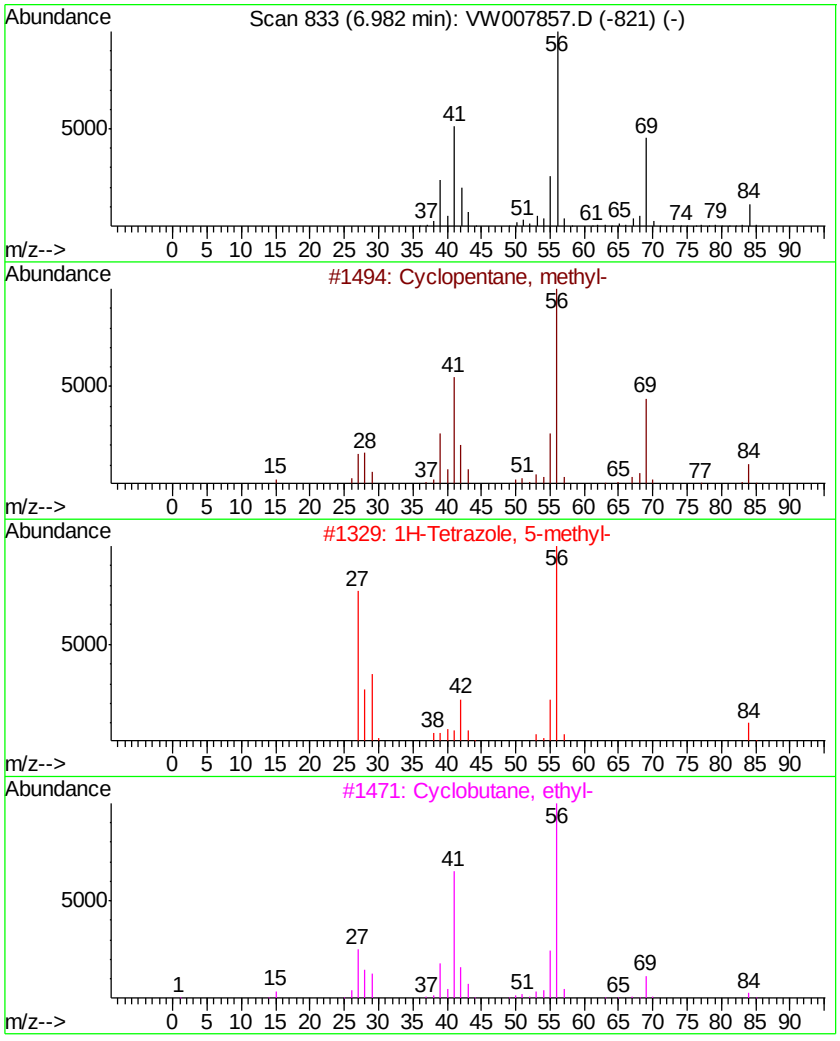
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

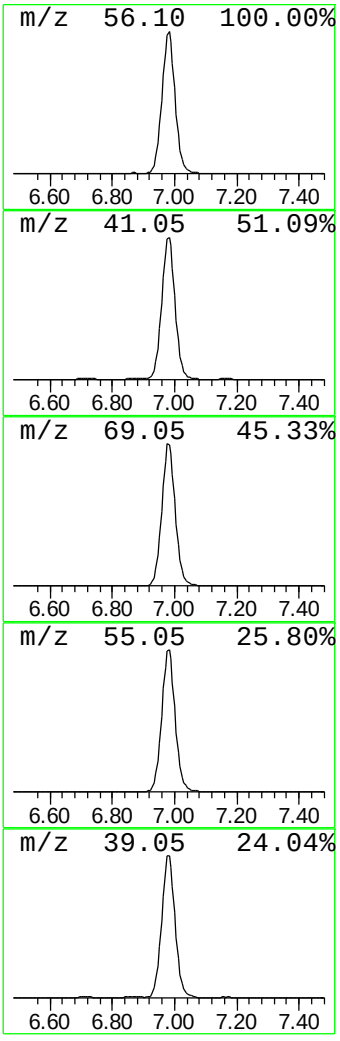
****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	124.84 ug/l	2190210	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
5	Cyclohexane	84	C6H12	000110-82-7	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

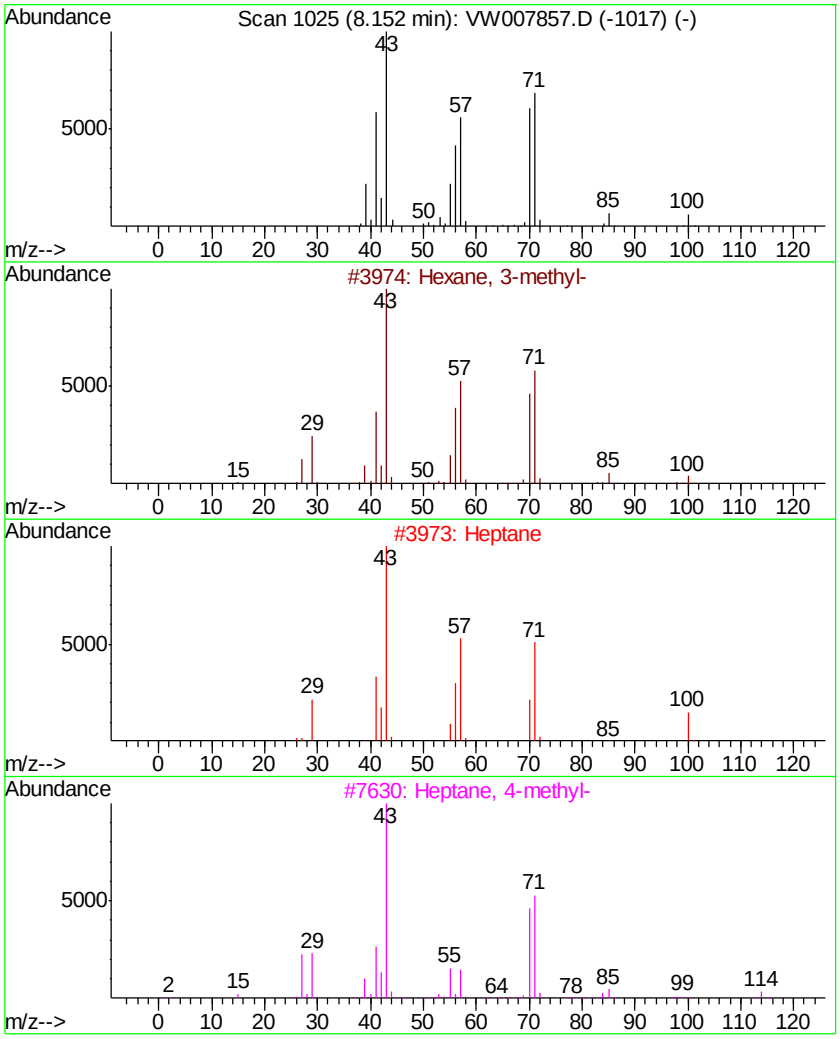
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

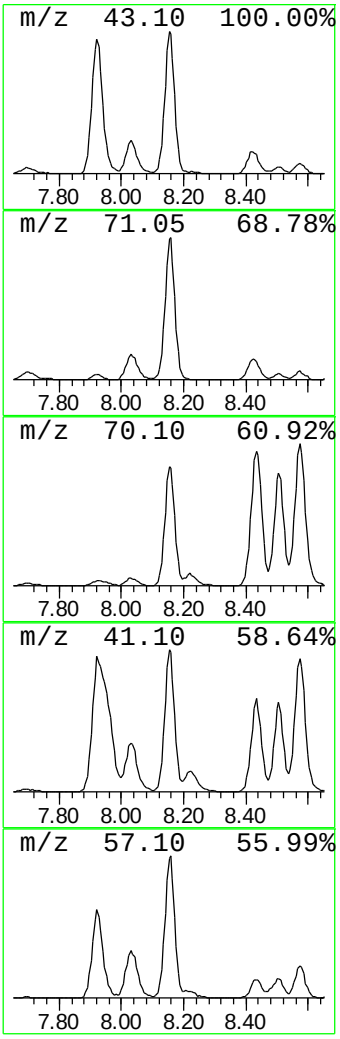
****

Peak Number 5 Hexane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	21.02 ug/l	368731	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Heptane	100	C7H16	000142-82-5	80
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	53
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

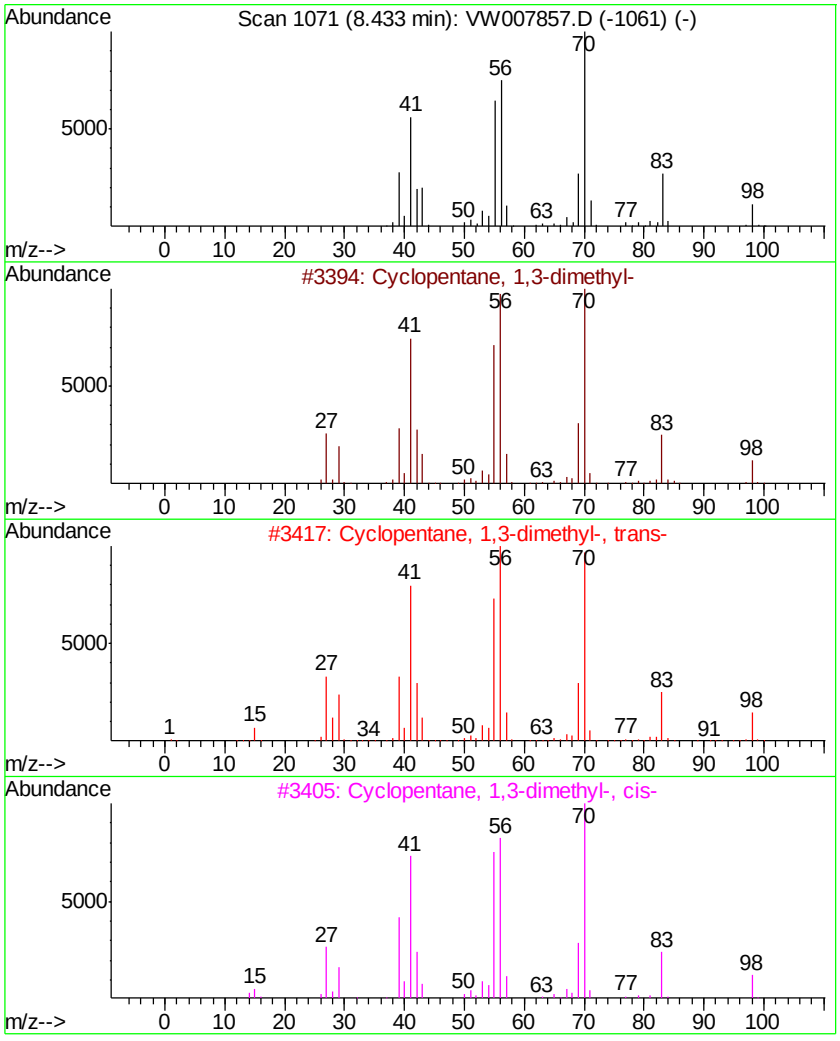
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

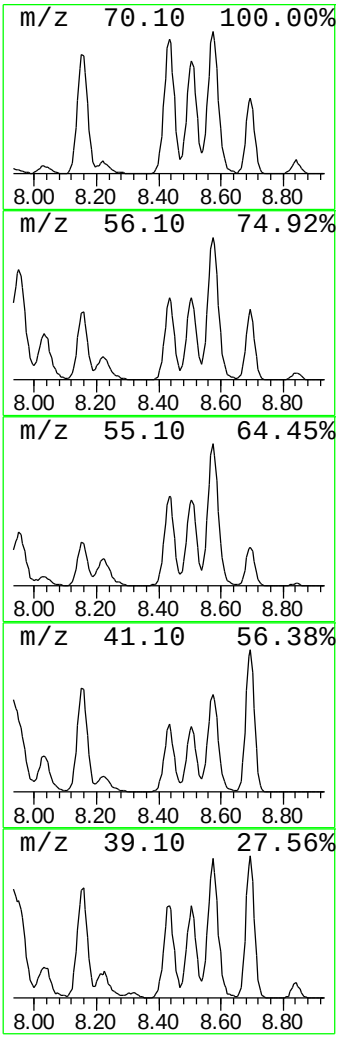
****

Peak Number 6 Cyclopentane, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	43.90 ug/l	268651	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
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	76
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

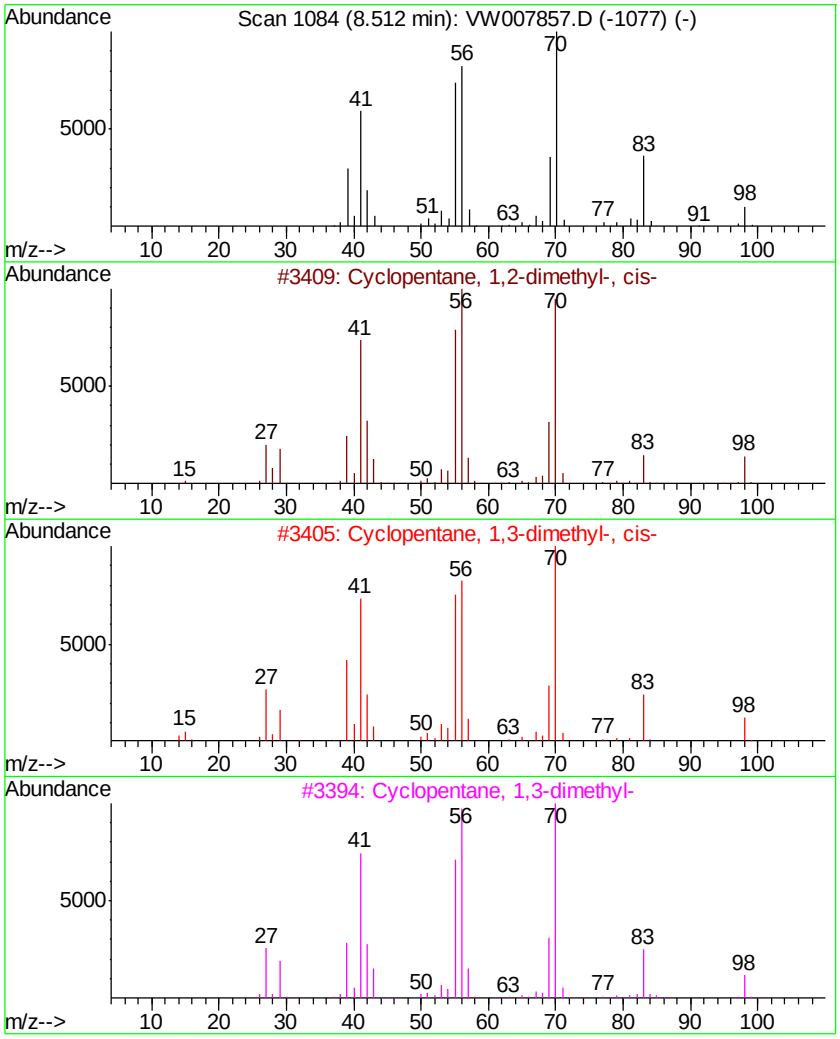
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

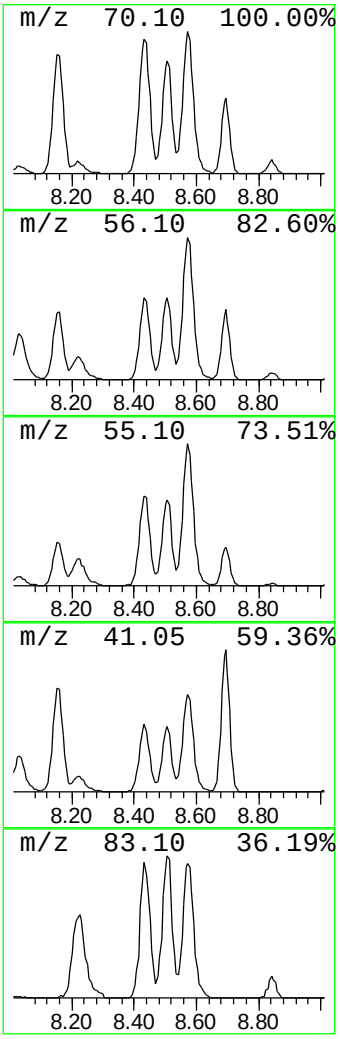
****

Peak Number 7 Cyclopentane, 1,2-dimethyl-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	38.00 ug/l	232552	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

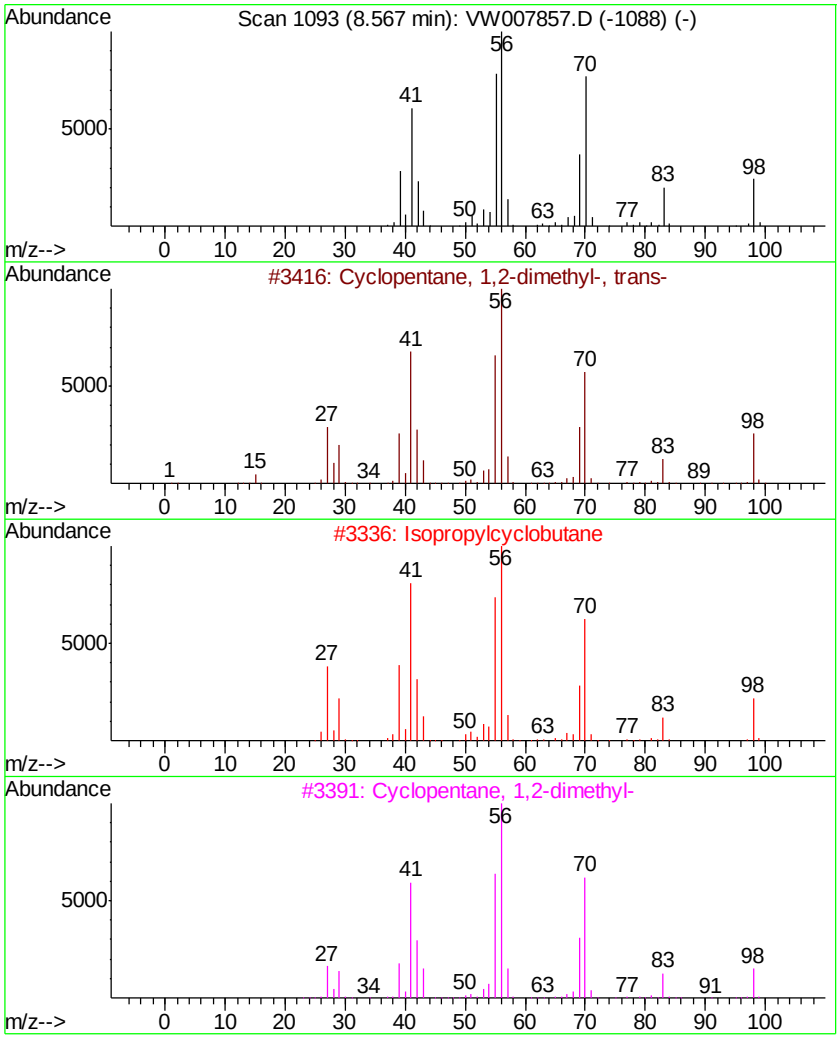
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

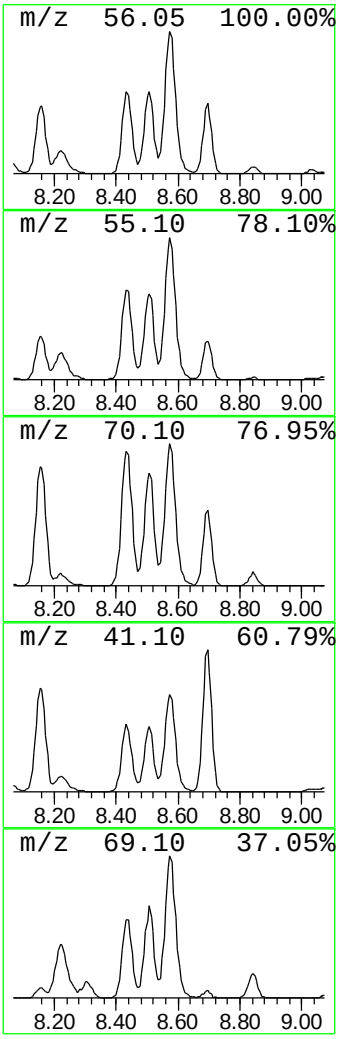
****

Peak Number 8 Cyclopentane, 1,2-dimethyl-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	61.85 ug/l	378483	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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

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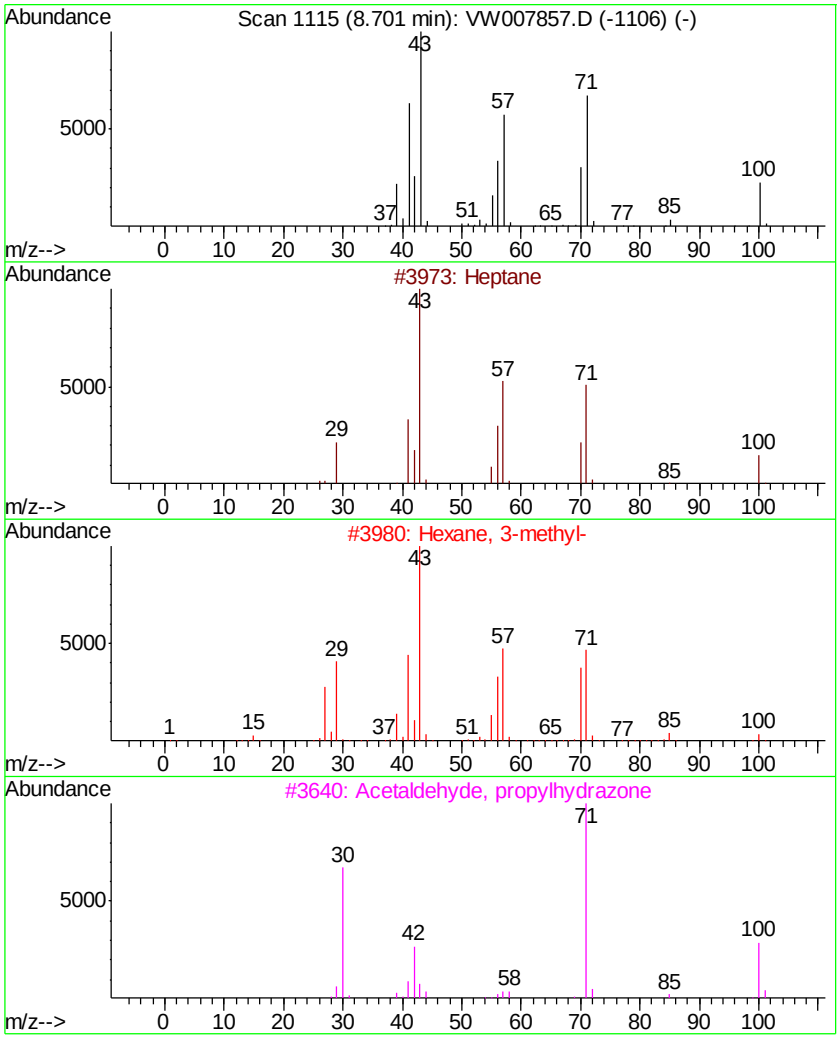
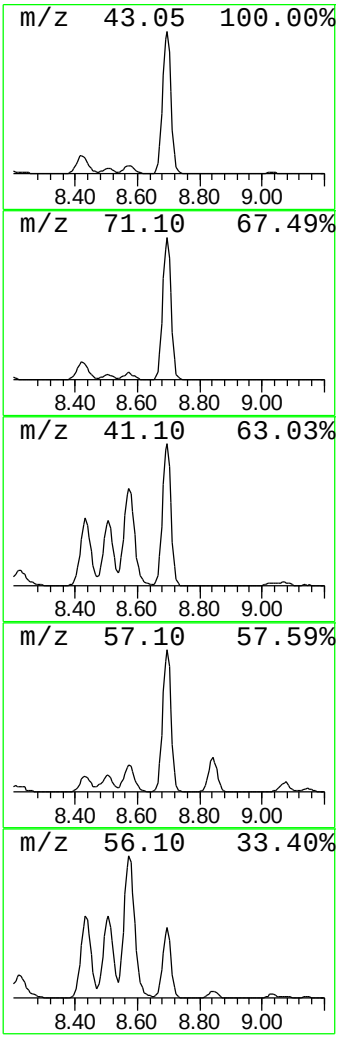
Peak Number 9 Heptane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	60.20 ug/l	368370	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	50
3	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	47
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	40
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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

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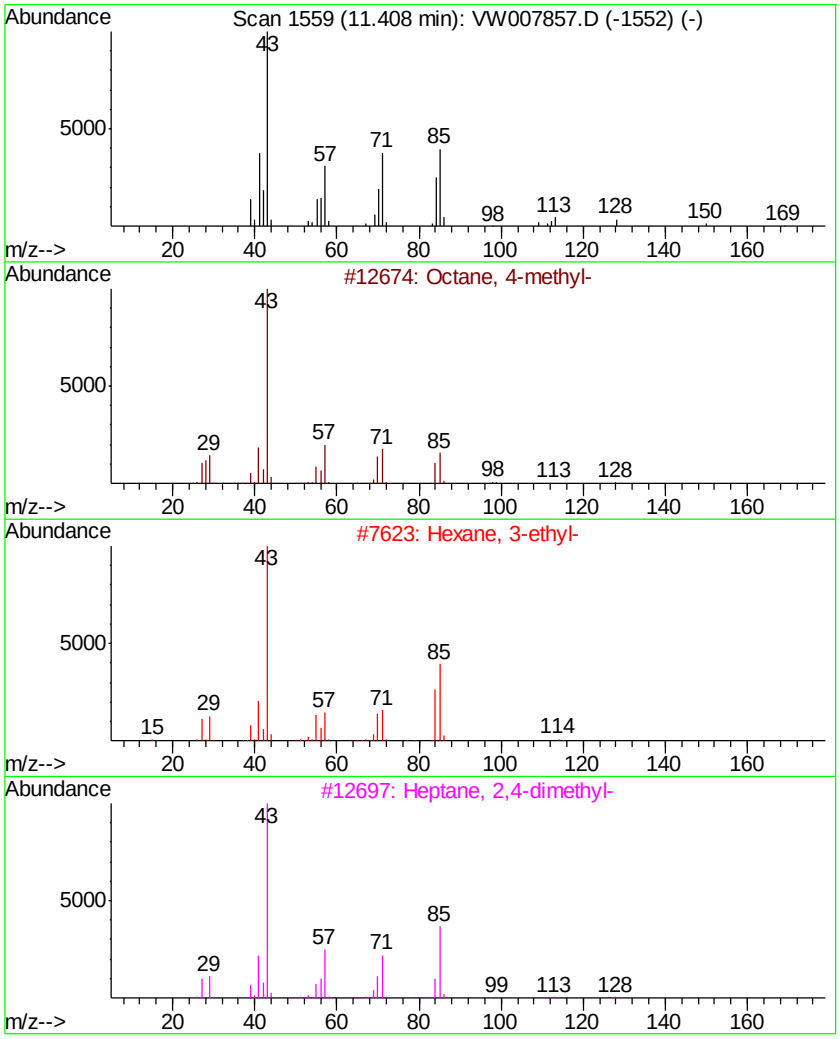
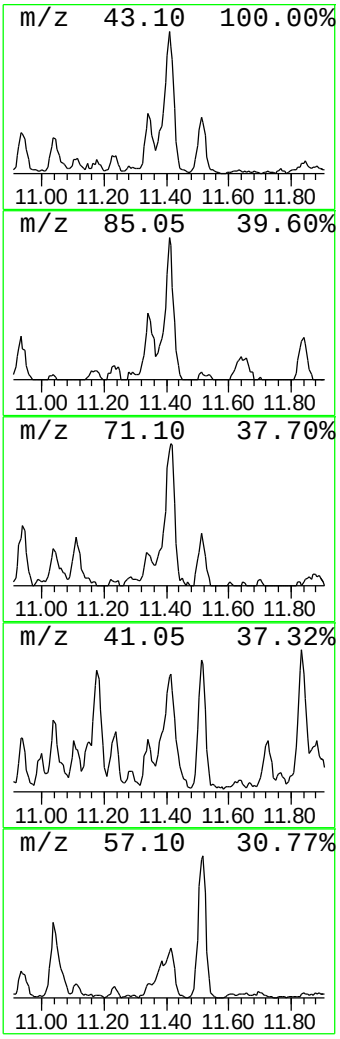
Peak Number 10 Octane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	12.44 ug/l	88335	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	74
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007857.D
Acq On : 22 Dec 2018 21:29
Operator : SY/AP
Sample : J6377-10
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.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-	4.95	129.3	ug/l	2268570	1	7.95	877196	50.0
Pentane, 3-methyl-	5.43	142.9	ug/l	2506970	1	7.95	877196	50.0
n-Hexane	5.93	309.7	ug/l	5433610	1	7.95	877196	50.0
Cyclopentane, met...	6.98	124.8	ug/l	2190210	1	7.95	877196	50.0
Hexane, 3-methyl-	8.15	21.0	ug/l	368731	1	7.95	877196	50.0
Cyclopentane, 1,3...	8.43	43.9	ug/l	268651	2	8.84	305963	50.0
Cyclopentane, 1,2...	8.51	38.0	ug/l	232552	2	8.84	305963	50.0
Cyclopentane, 1,2...	8.57	61.9	ug/l	378483	2	8.84	305963	50.0
Heptane	8.70	60.2	ug/l	368370	2	8.84	305963	50.0
Octane, 4-methyl-	11.41	12.4	ug/l	88335	3	11.63	355115	50.0