LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

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\82W121118S.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	474	500	525	rBV	466595	1802515	19.51%	7.320%
2	5.434	561	579	604	rBV	555439	1986982	21.50%	8.069%
3	5.934	646	661	680	rBV	1097664	3349985	36.25%	13.604%
4	6.982	820	833	850	rVB	750824	2271889	24.59%	9.226%
5	7.952	970	992	1000	rBV3	164343	551284	5.97%	2.239%
6	8.153	1016	1025	1032	rBV	62438	143813	1.56%	0.584%
7	8.433	1061	1071	1077	rVV3	46792	113172	1.22%	0.460%
8	8.506	1077	1083	1088	rVV	44183	98976	1.07%	0.402%
9	8.573	1088	1094	1106	rVV2	70782	159230	1.72%	0.647%
10	8.842	1130	1138	1147	rBB	52253	104143	1.13%	0.423%
11	9.335	1206	1219	1233	rBB	288163	603627	6.53%	2.451%
12	10.323	1373	1381	1396	rBV	93243	186935	2.02%	0.759%
13	11.658	1588	1600	1607	rBV2	374089	703539	7.61%	2.857%
14	11.835	1621	1629	1648	rVB	5580566	9240922	100.00%	37.527%
15	12.615	1750	1757	1766	rVB	285381	484696	5.25%	1.968%
16	12.871	1793	1799	1804	rBV	151064	237457	2.57%	0.964%
17	12.945	1804	1811	1818	rVV	126629	200390	2.17%	0.814%
18	13.255	1856	1862	1868	rBV	379963	582037	6.30%	2.364%
19	13.499	1897	1902	1908	rVV	109732	172027	1.86%	0.699%
20	13.585	1908	1916	1926	rVB2	873434	1538992	16.65%	6.250%
21	13.792	1947	1950	1959	rVB3	46978	92445	1.00%	0.375%

Sum of corrected areas: 24625056

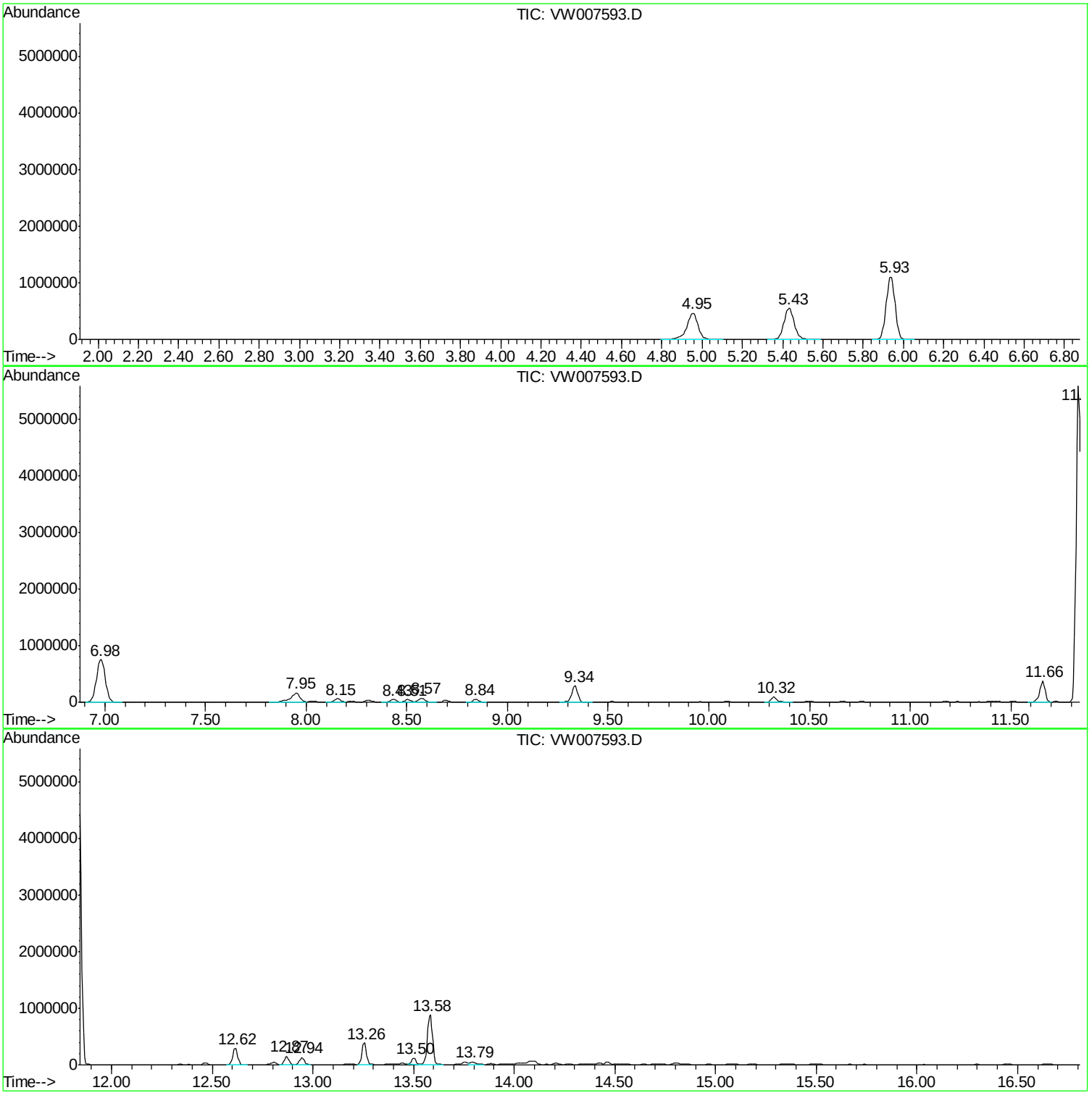
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

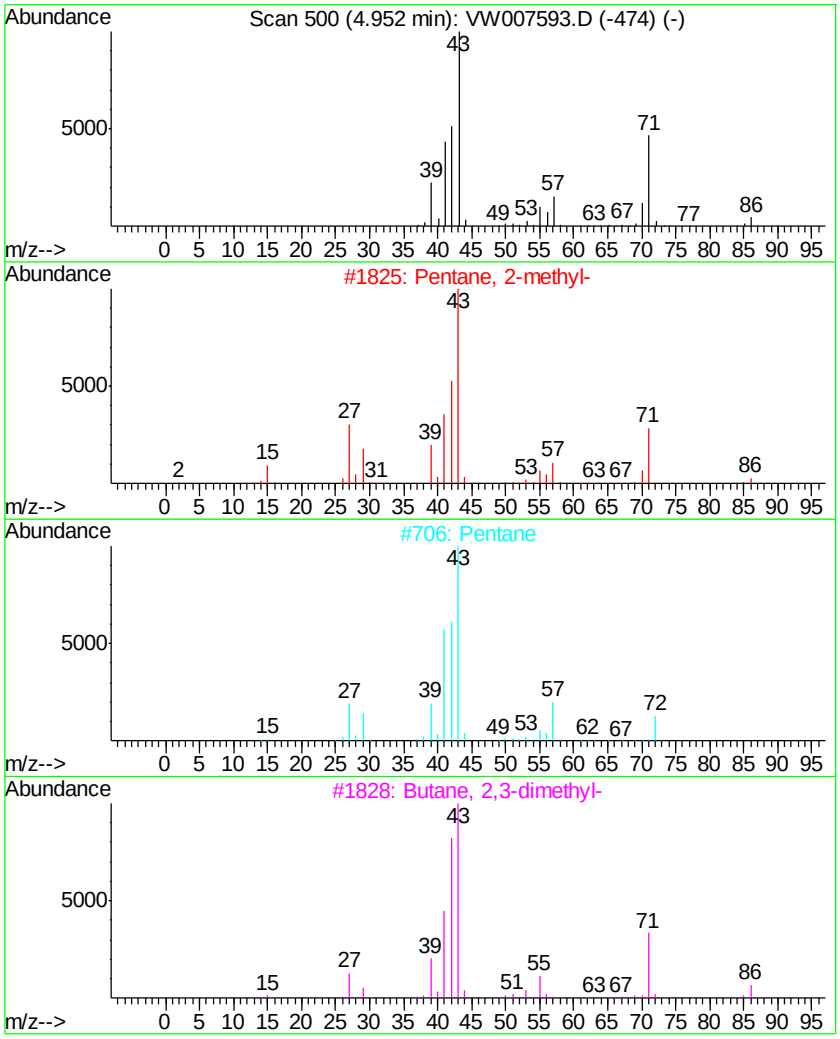
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

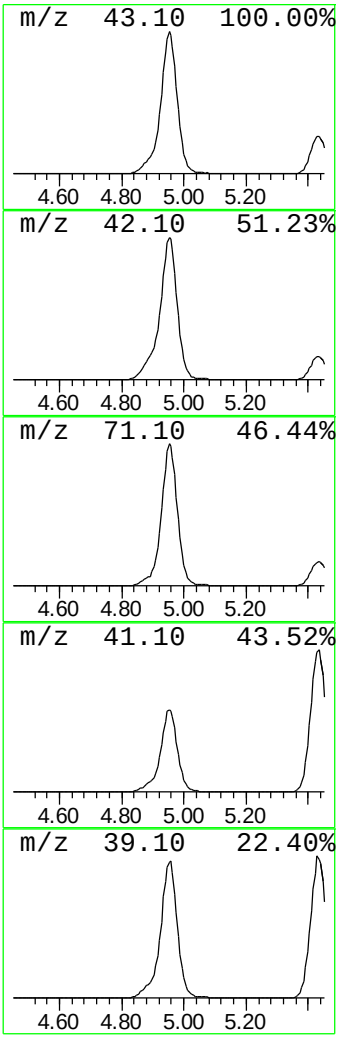
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	163.48 ug/l	1802520	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane	72	C5H12	000109-66-0	49
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	42
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

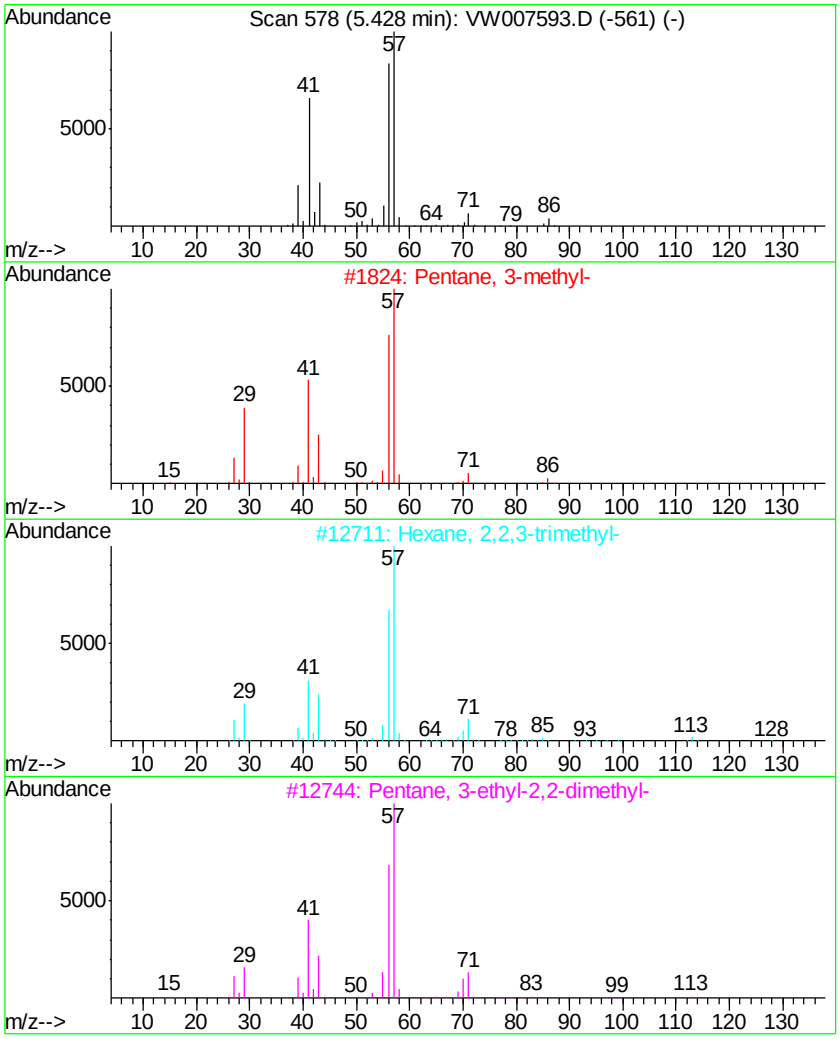
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

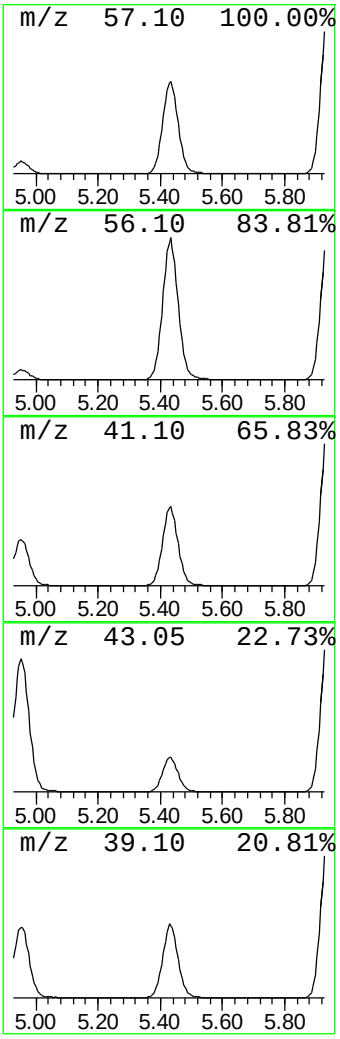
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.43	180.21 ug/l	1986980	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
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	40
5	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

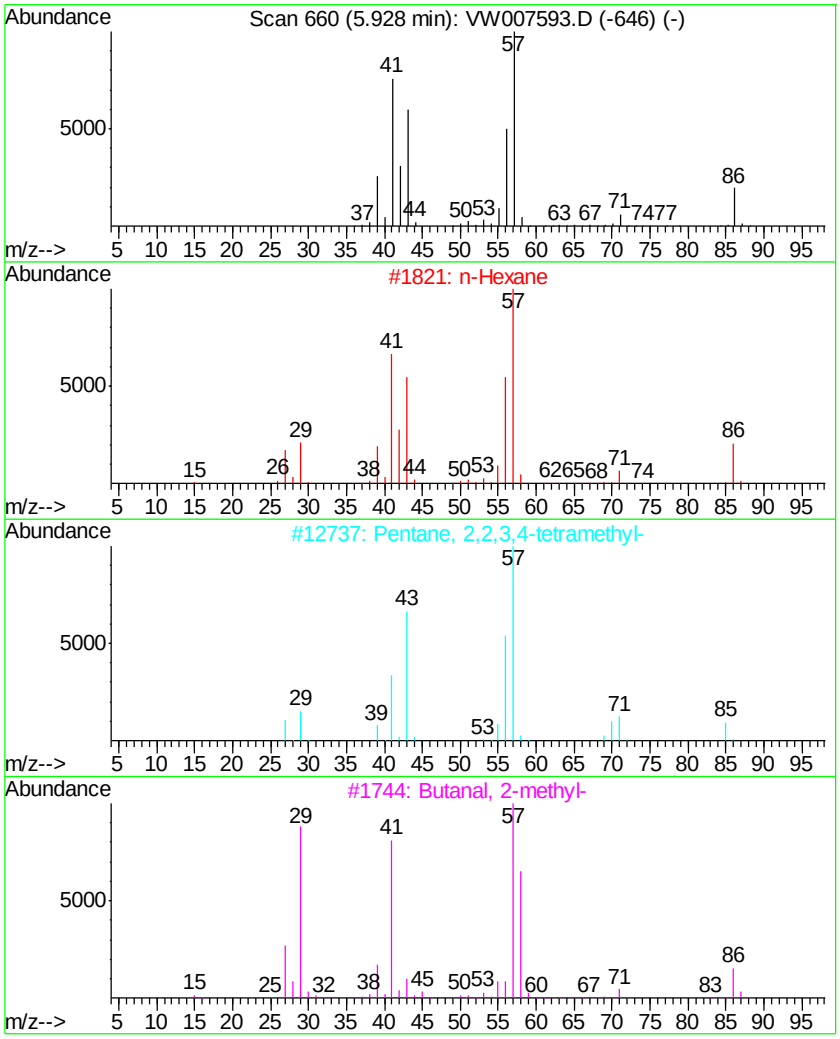
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

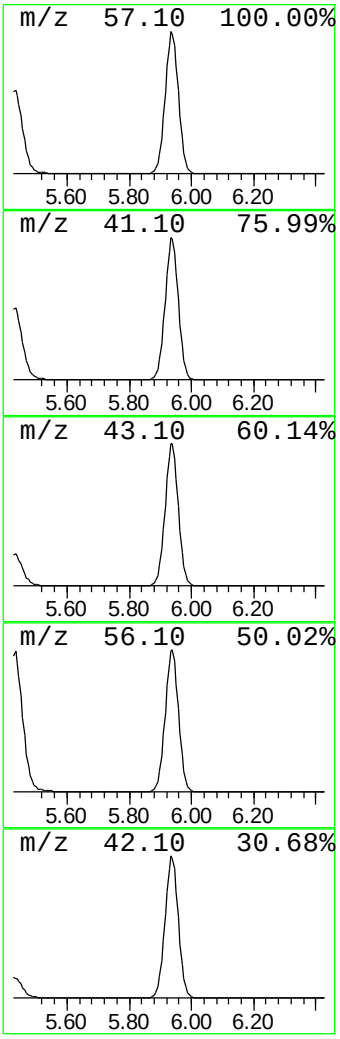
****

Peak Number 3 n-Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	303.84 ug/l	3349990	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	38
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
4	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	38
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

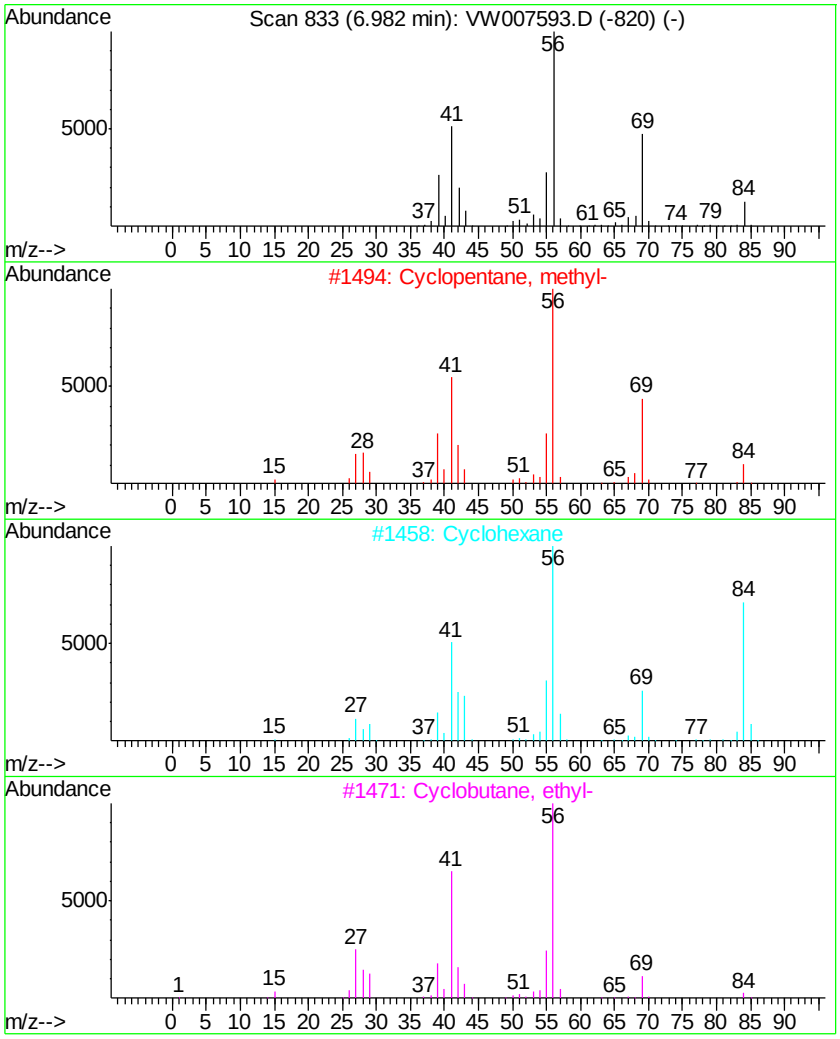
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

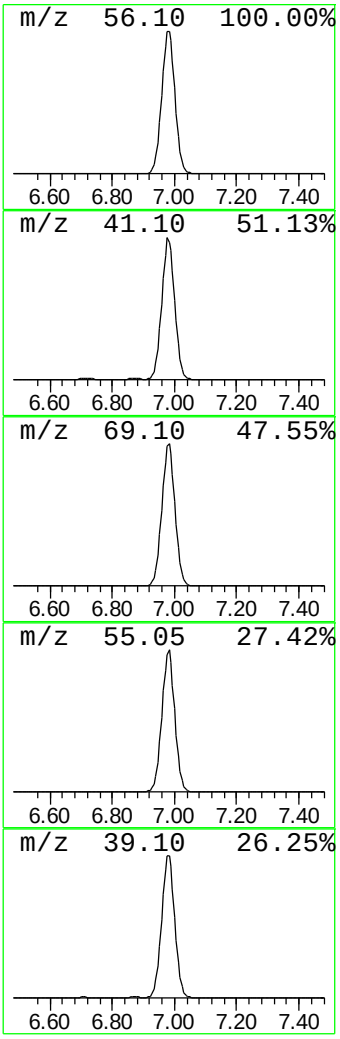
****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	206.05 ug/l	2271890	Pentafluorobenzene	7.95

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	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane	56	C4H8	000287-23-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

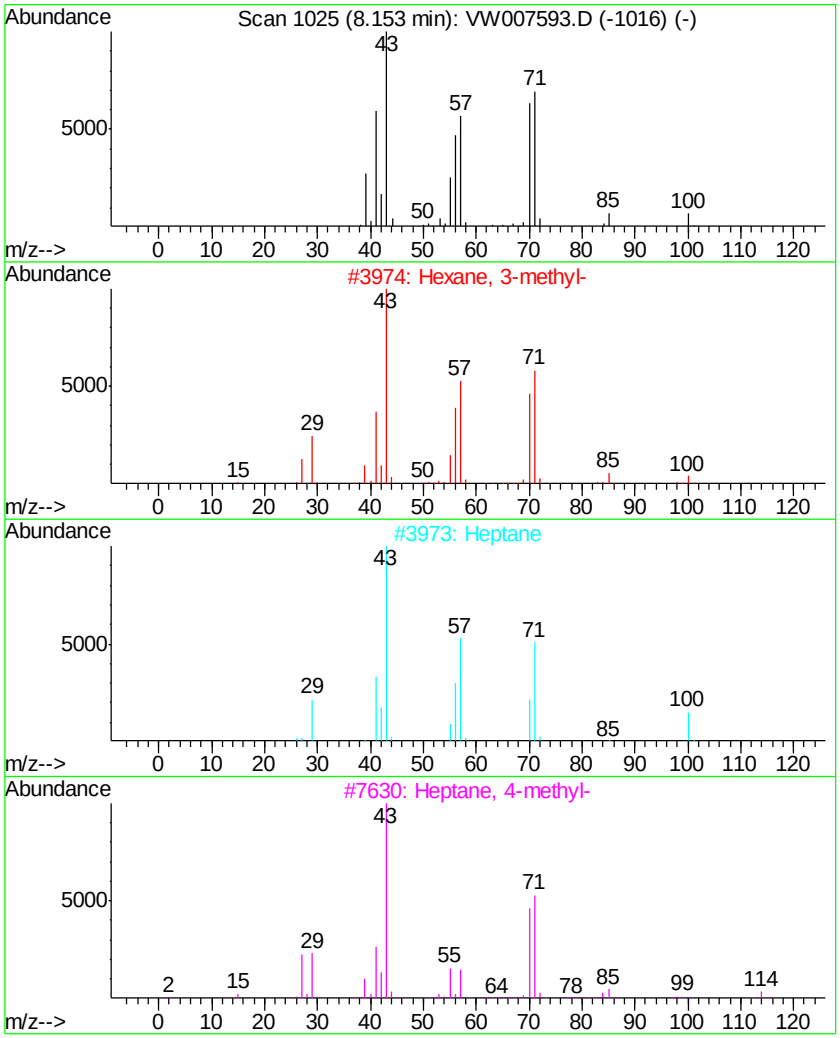
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

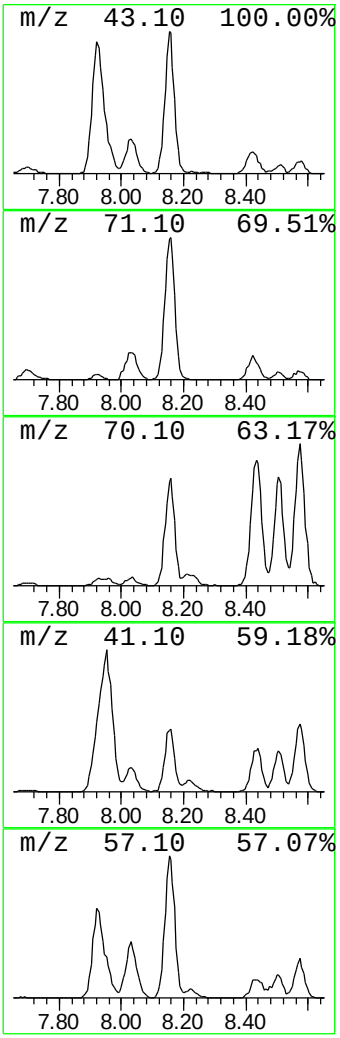
****

Peak Number 5 Hexane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	13.04 ug/l	143813	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	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	53
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

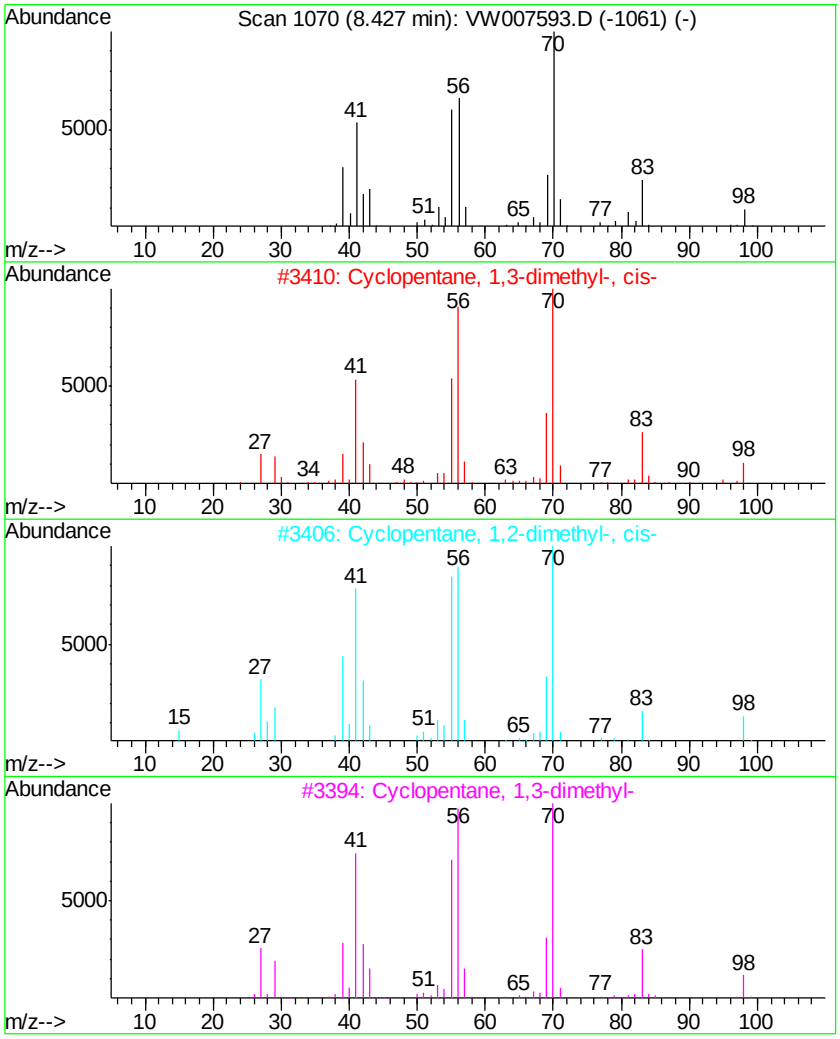
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

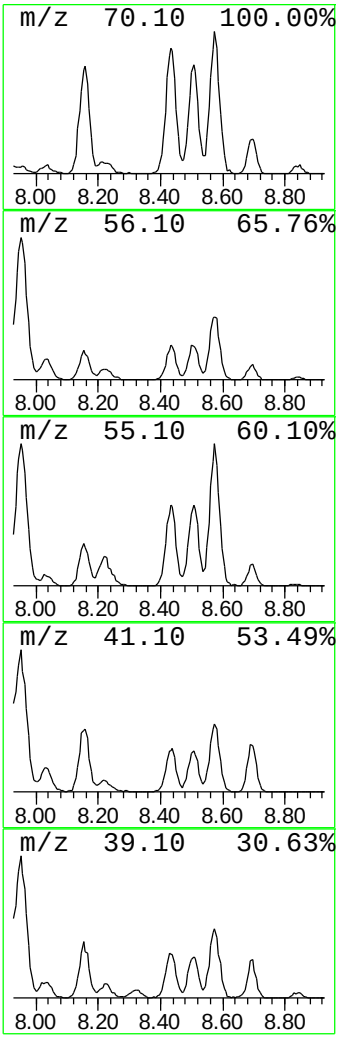
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	54.33 ug/l	113172	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

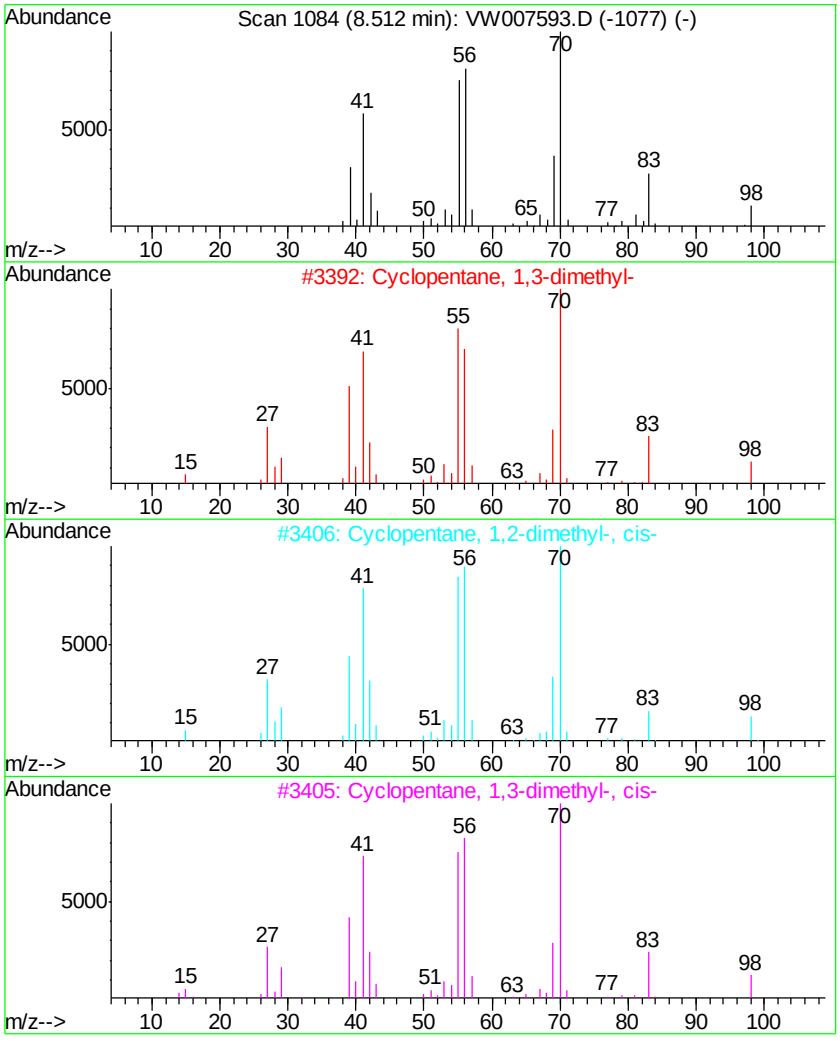
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

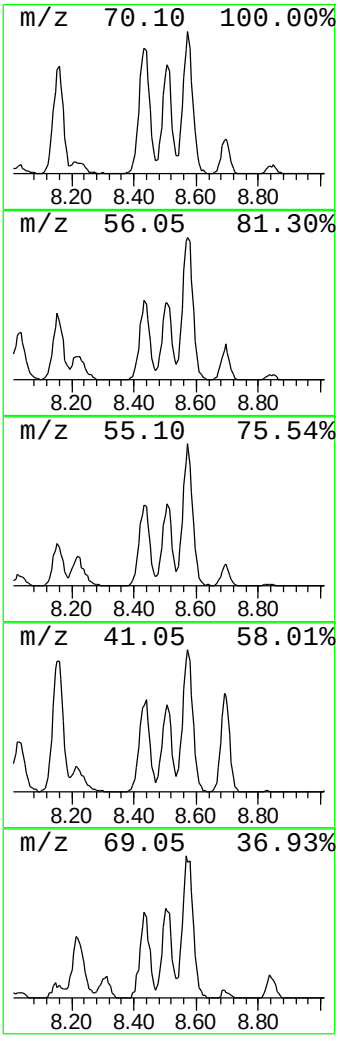
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	47.52 ug/l	98976	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	76
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

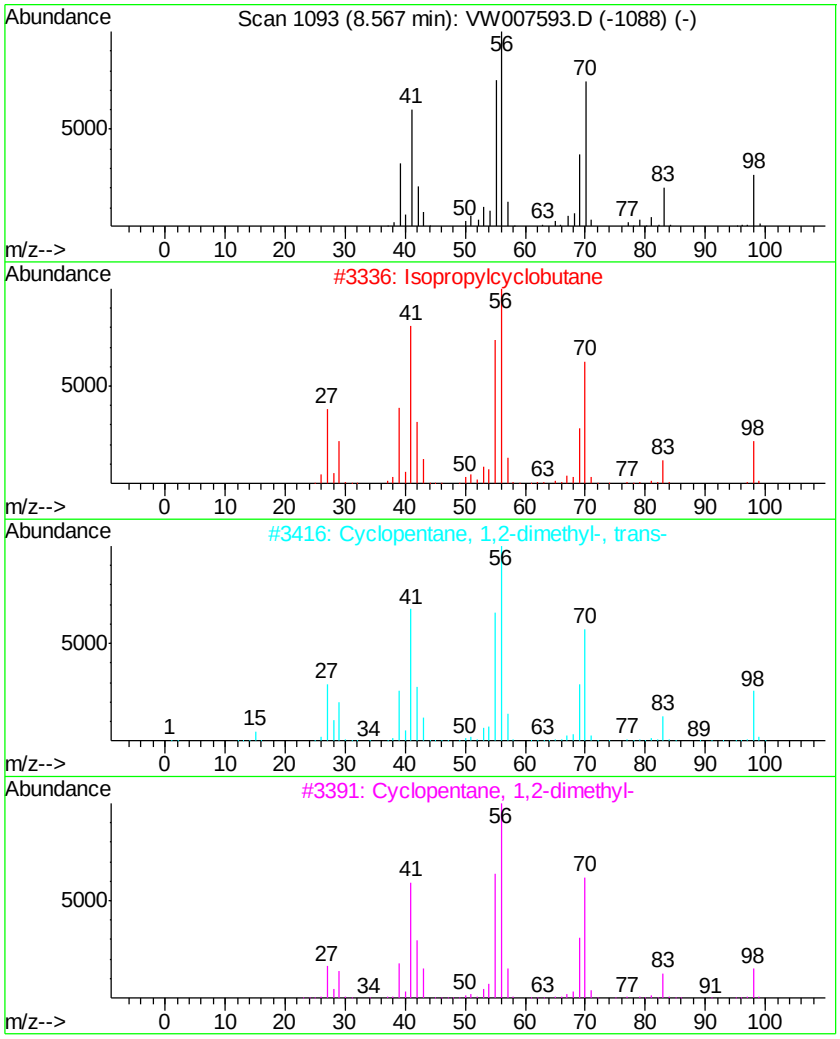
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

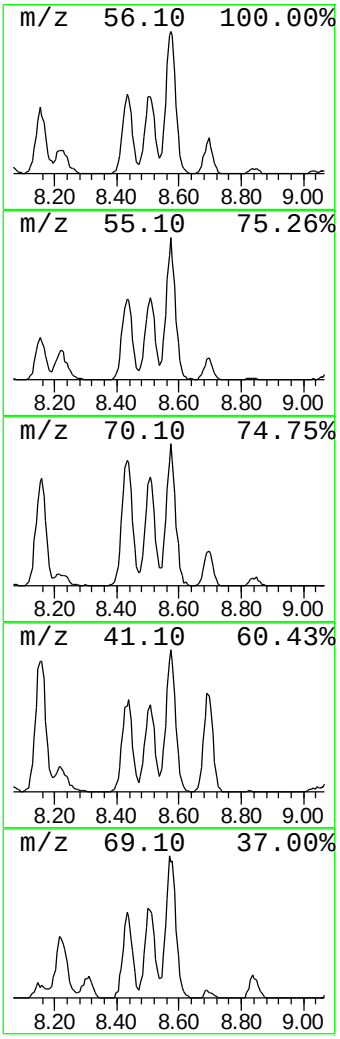
****

Peak Number 8 Isopropylcyclobutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	76.45 ug/l	159230	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	91
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72





Library Search Compound Report

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ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

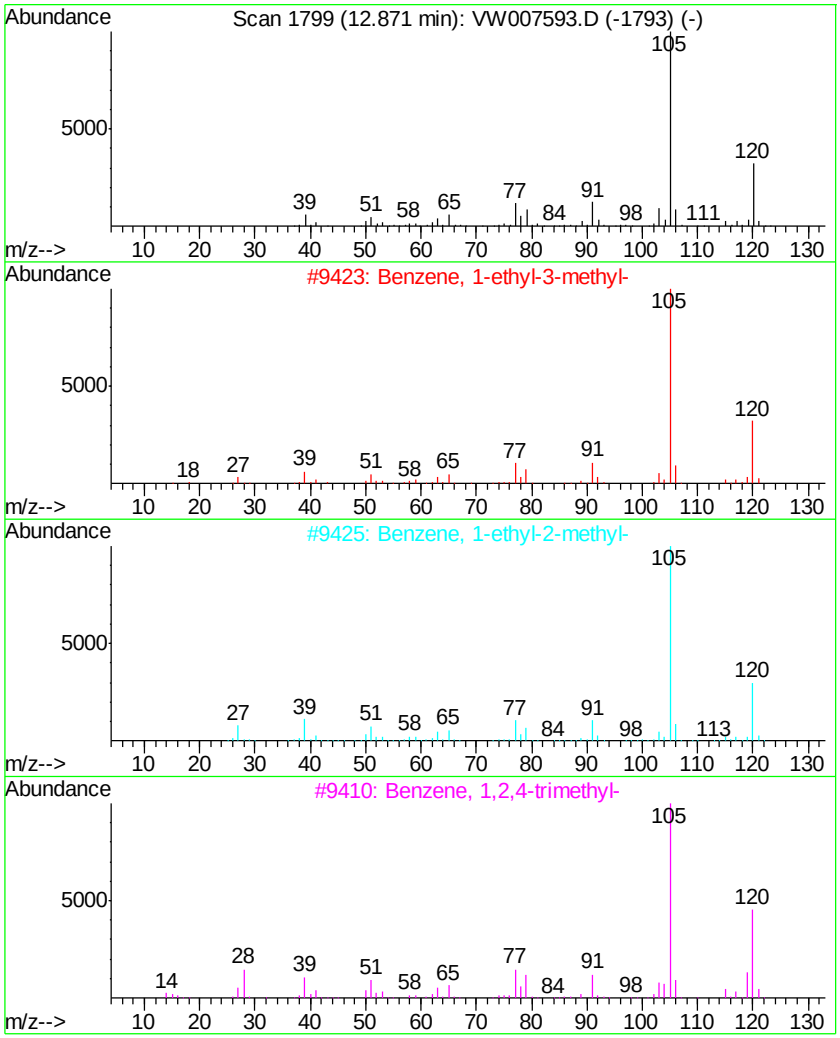
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

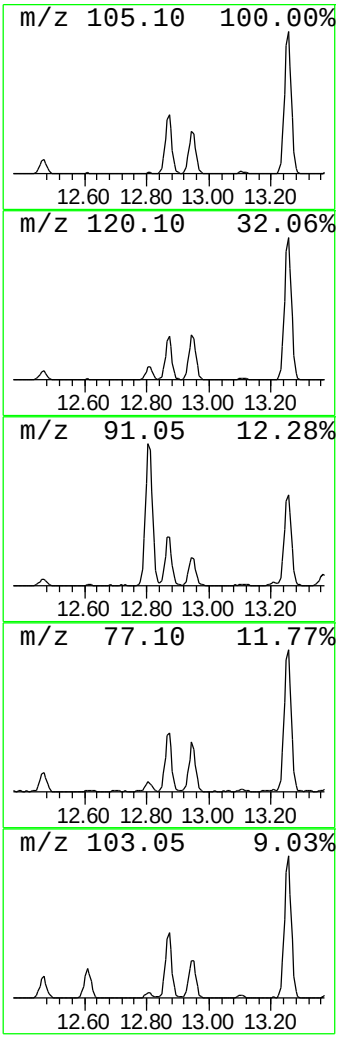
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	7.71 ug/l	237457	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
Data File : VW007593.D
Acq On : 15 Dec 2018 20:02
Operator : SY/AP
Sample : J6378-07
Misc : 2.70G/5ML/MSVOA_W/SOIL
ALS Vial : 79 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : P001-SD010-0612-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.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	163.5	ug/l	1802520	1	7.95	551284	50.0
Pentane, 3-methyl-	5.43	180.2	ug/l	1986980	1	7.95	551284	50.0
n-Hexane	5.93	303.8	ug/l	3349990	1	7.95	551284	50.0
Cyclopentane, met...	6.98	206.1	ug/l	2271890	1	7.95	551284	50.0
Hexane, 3-methyl-	8.15	13.0	ug/l	143813	1	7.95	551284	50.0
Cyclopentane, 1,3...	8.43	54.3	ug/l	113172	2	8.84	104143	50.0
Cyclopentane, 1,3...	8.51	47.5	ug/l	98976	2	8.84	104143	50.0
Isopropylcyclobutane	8.57	76.5	ug/l	159230	2	8.84	104143	50.0
Benzene, 1-ethyl-...	12.87	7.7	ug/l	237457	4	13.56	1538990	50.0