LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

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_D\METHOD\82D110618S.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	3.761	213	227	256	rVB	2856768	13158922	6.94%	0.785%
2	4.125	256	264	286	rBV	1954263	8309641	4.38%	0.496%
3	4.548	299	307	331	rBV	2504627	10432186	5.50%	0.622%
4	5.208	366	374	381	rBV	630103	2693290	1.42%	0.161%
5	5.346	381	388	392	rVV	1486474	6167243	3.25%	0.368%
6	5.434	392	397	410	rVV	4837337	20613256	10.87%	1.230%
7	6.133	456	468	481	rBV3	818829	4465592	2.36%	0.266%
8	6.399	482	495	502	rBV3	12973608	65633683	34.62%	3.916%
9	6.497	502	505	515	rVB2	5358117	21386855	11.28%	1.276%
10	6.654	515	521	544	rVB3	12306405	73326630	38.67%	4.375%
11	6.959	544	552	556	rBV2	8421717	34009774	17.94%	2.029%
12	7.038	557	560	564	rVV2	5685767	19470370	10.27%	1.162%
13	7.127	564	569	580	rVB2	10167431	46985222	24.78%	2.803%
14	7.294	580	586	598	rVB	8096966	35764546	18.86%	2.134%
15	7.461	598	603	621	rVB2	3960677	17808991	9.39%	1.063%
16	7.806	630	638	640	rBV2	1092280	3745155	1.98%	0.223%
17	7.875	640	645	655	rVB	1629524	8123913	4.28%	0.485%
18	8.101	655	668	687	rBV5	19395411	189597580	100.00%	11.312%
19	8.337	687	692	699	rBV	6258712	20981151	11.07%	1.252%
20	8.475	699	706	720	rVB3	10135804	54044788	28.50%	3.225%
21	8.682	720	727	738	rBV2	10844556	56457618	29.78%	3.369%
22	8.829	738	742	744	rBV	1310619	3499542	1.85%	0.209%
23	8.918	745	751	755	rBV2	5298726	24074079	12.70%	1.436%
24	9.065	755	766	774	rVV4	10865916	88519061	46.69%	5.282%
25	9.243	777	784	803	rVB5	13322867	114336033	60.30%	6.822%
26	9.538	803	814	826	rBV4	15131579	128012626	67.52%	7.638%
27	9.784	826	839	854	rBV6	11844767	106981153	56.43%	6.383%
28	10.030	854	864	872	rBV4	13023816	79848105	42.11%	4.764%
29	10.168	872	878	887	rBV4	10795944	63502007	33.49%	3.789%
30	10.355	894	897	906	rVB3	4656345	20928843	11.04%	1.249%
31	10.532	906	915	923	rBV3	9245841	67254481	35.47%	4.013%
32	11.959	1054	1060	1062	rBV4	9843161	34628066	18.26%	2.066%
33	12.175	1076	1082	1085	rBV4	8176626	33536303	17.69%	2.001%
34	12.844	1146	1150	1154	rBV4	5802446	20559776	10.84%	1.227%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

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_D\METHOD\82D110618S.M
Title : SW846 8260

35	13.021	1166	1168	1172	rBV4	4466200	11997924	6.33%	0.716%
36	13.110	1174	1177	1179	rVV	9723970	18494896	9.75%	1.104%
37	13.159	1179	1182	1185	rVB3	12464253	25732610	13.57%	1.535%
38	13.267	1190	1193	1195	rBV2	6383234	10670470	5.63%	0.637%
39	13.336	1198	1200	1204	rVB3	7969104	13220411	6.97%	0.789%
40	13.454	1210	1212	1217	rVB	7336688	11516919	6.07%	0.687%
41	13.592	1223	1226	1230	rVB3	8200846	19488965	10.28%	1.163%
42	13.878	1253	1255	1257	rVV2	4033260	6047777	3.19%	0.361%
43	13.927	1257	1260	1262	rVB	7162254	12122171	6.39%	0.723%
44	13.966	1262	1264	1266	rVB	4380641	5582530	2.94%	0.333%
45	14.006	1266	1268	1272	rVB3	9569911	19267306	10.16%	1.150%
46	14.094	1272	1277	1279	rBV3	3000805	5750655	3.03%	0.343%
47	14.232	1290	1291	1293	rVB	2884740	3232799	1.71%	0.193%
48	14.291	1294	1297	1299	rVV3	4079946	5904302	3.11%	0.352%
49	14.340	1299	1302	1304	rVB3	1167761	2178312	1.15%	0.130%
50	14.527	1318	1321	1326	rVB	4061484	5951811	3.14%	0.355%

Sum of corrected areas: 1676016339

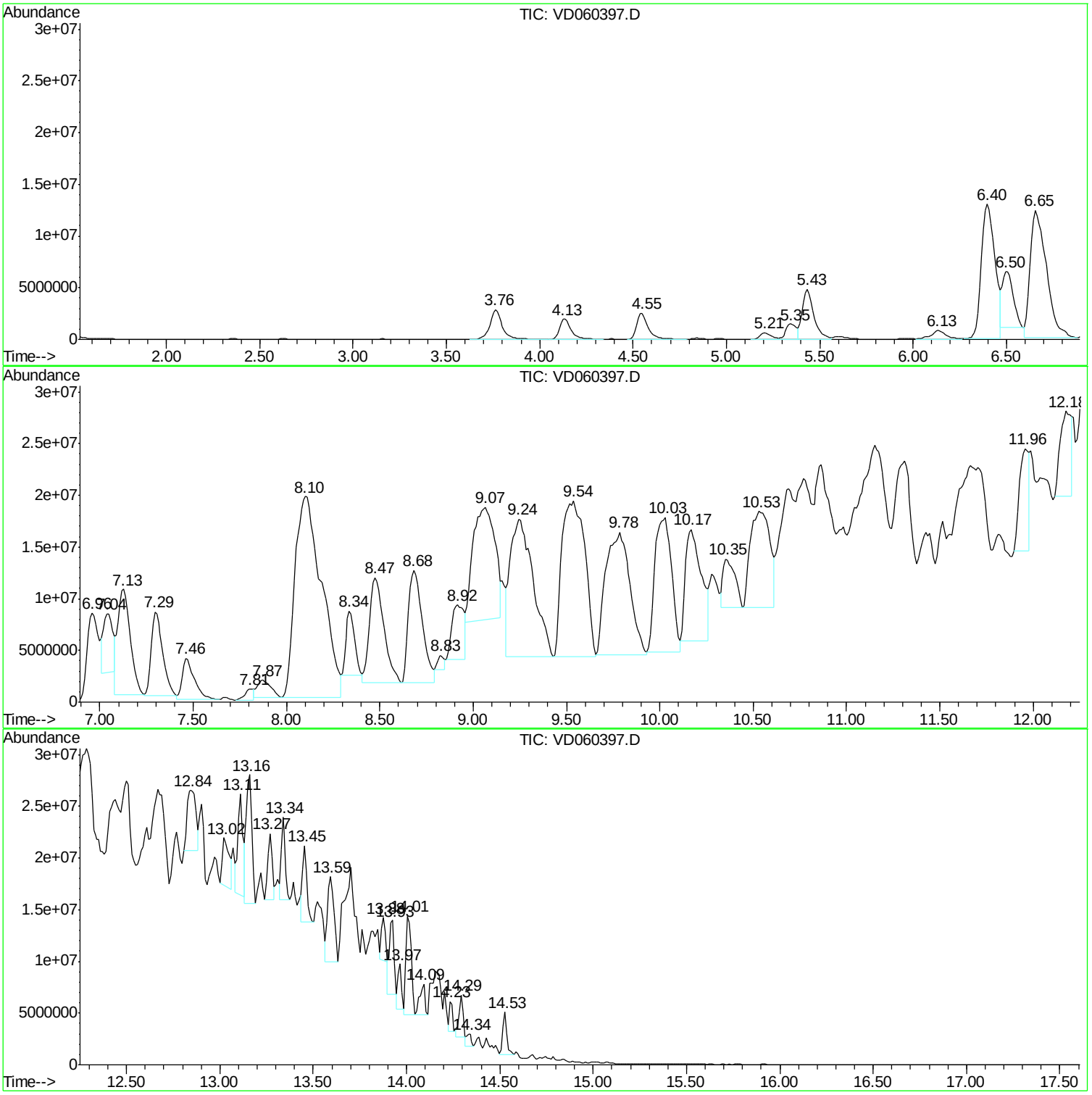
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.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 D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

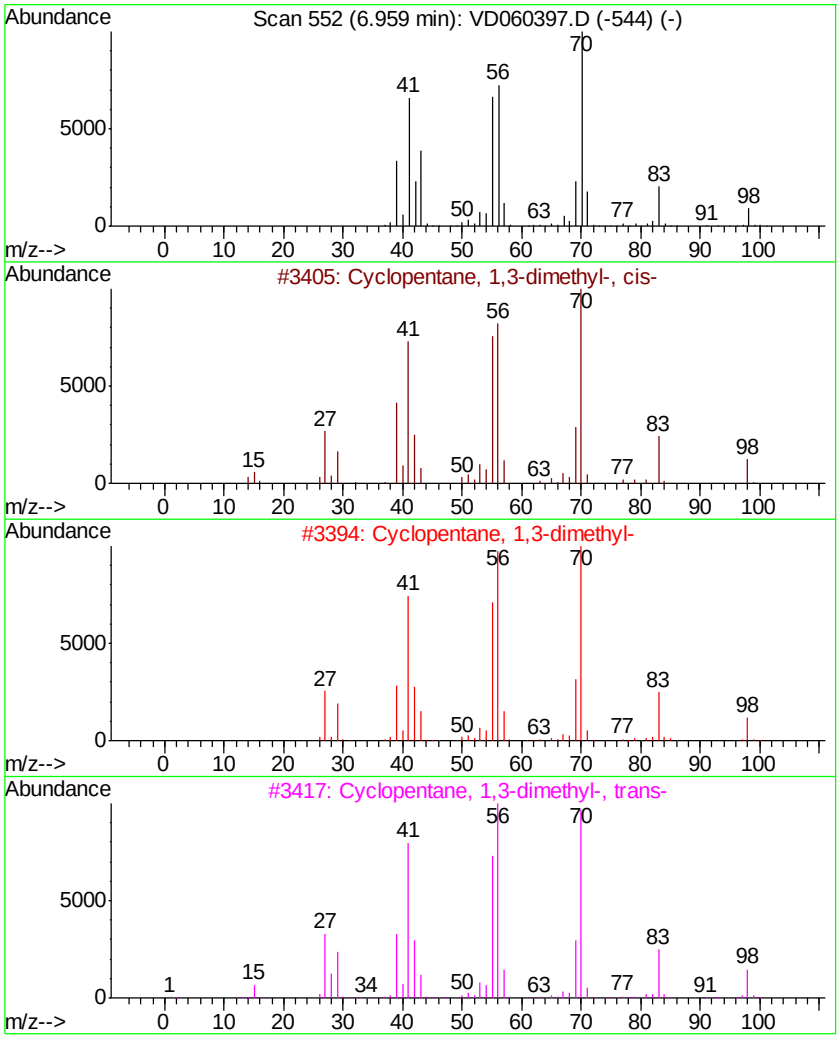
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

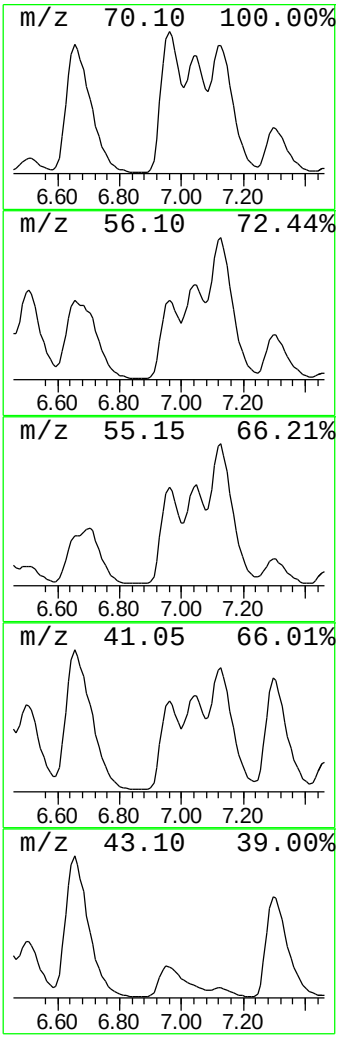
****

Peak Number 1 Cyclopentane, 1,3-dimethyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	95.48 ug/l	34009800	1,4-Difluorobenzene	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	97
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	95
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	76
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70
5	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

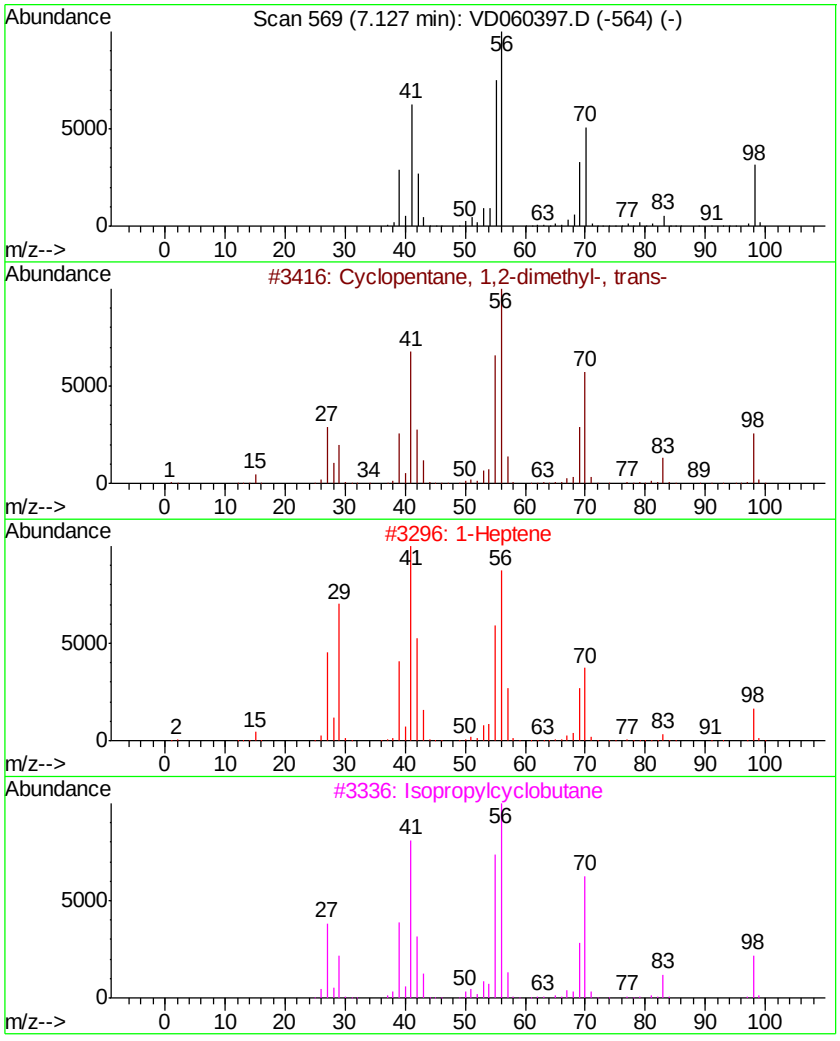
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

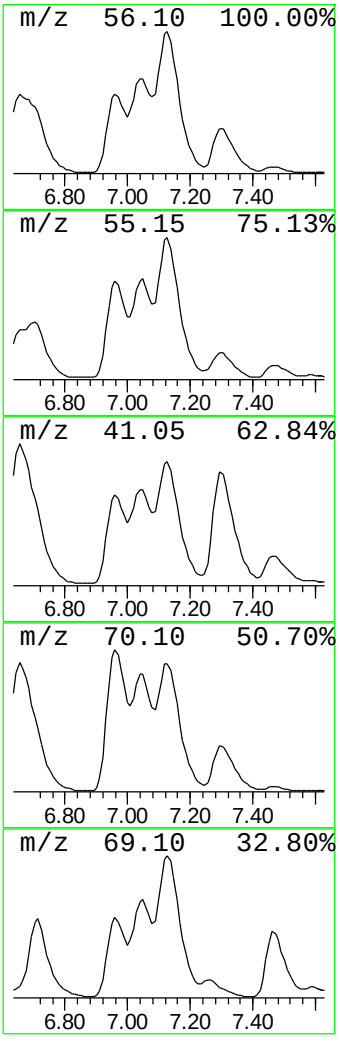
****

Peak Number 2 Cyclopentane, 1,2-dimethyl-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	131.91 ug/l	46985200	1,4-Difluorobenzene	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2	1-Heptene	98	C7H14	000592-76-7	87
3	Isopropylcyclobutane	98	C7H14	000872-56-0	72
4	3-Heptene, (E)-	98	C7H14	014686-14-7	72
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

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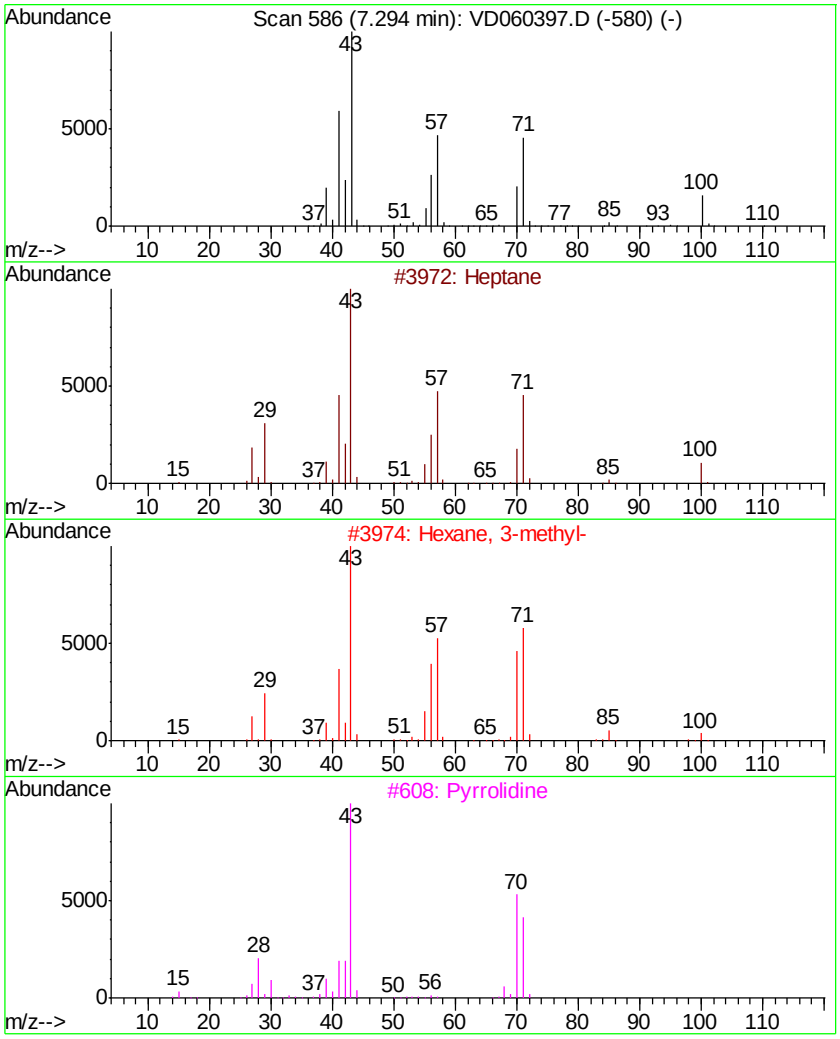
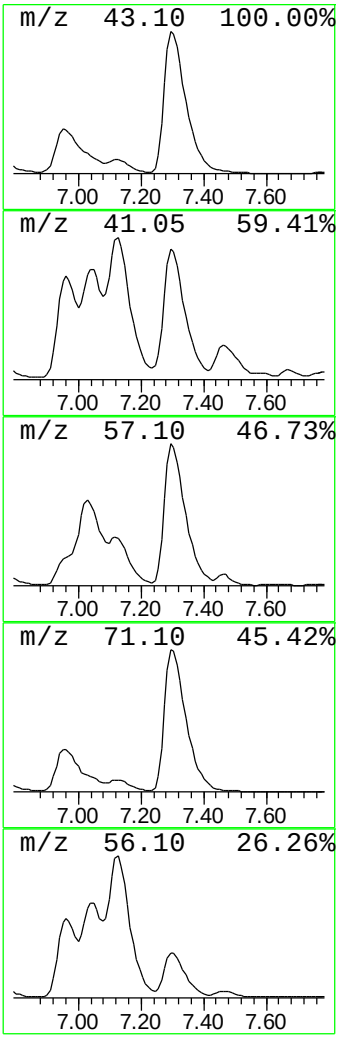
Peak Number 3 Heptane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	100.41 ug/l	35764500	1,4-Difluorobenzene	7.47

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	38
3	Pyrrolidine	71	C4H9N	000123-75-1	37
4	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	36
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

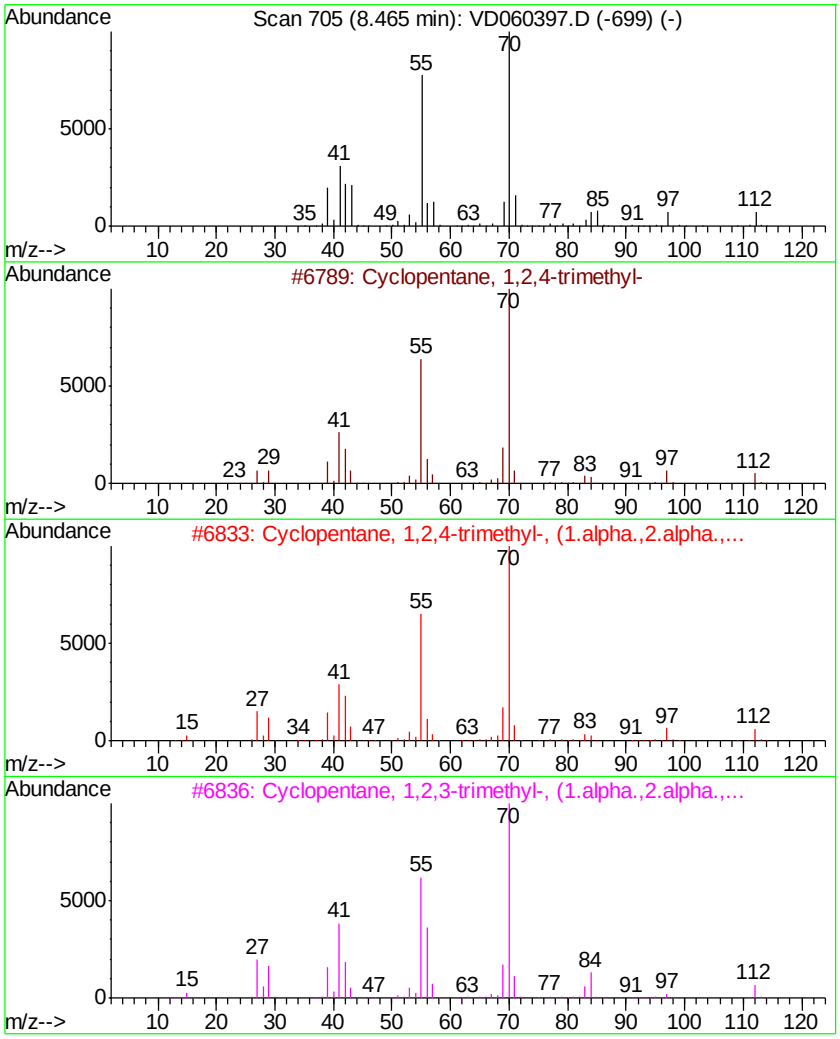
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

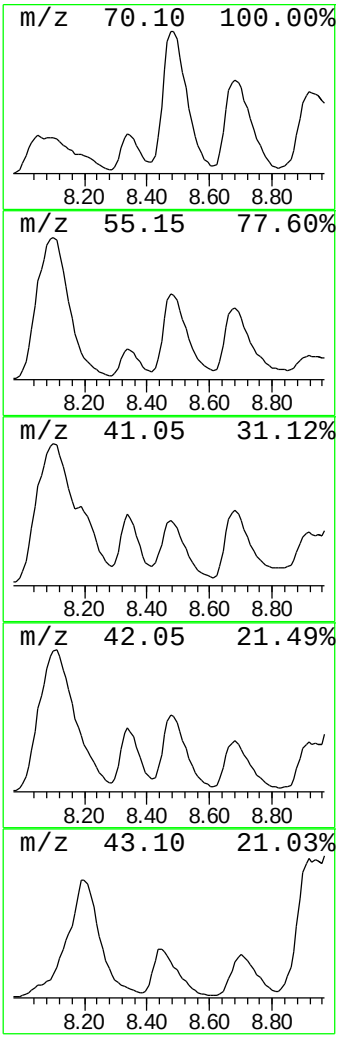
****

Peak Number 4 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	151.74 ug/l	54044800	1,4-Difluorobenzene	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	83
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
5	Isoxazolidine-3,5-dicarboxylic a...	189	C7H11NO5	1000187-99-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

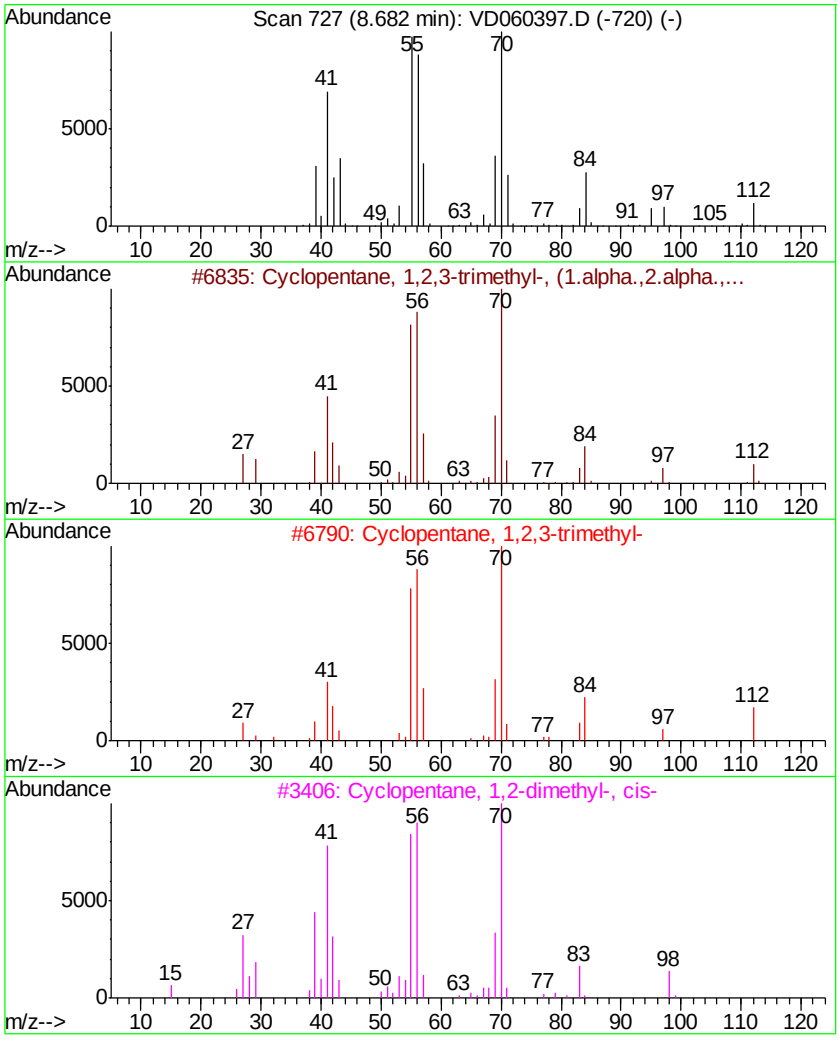
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

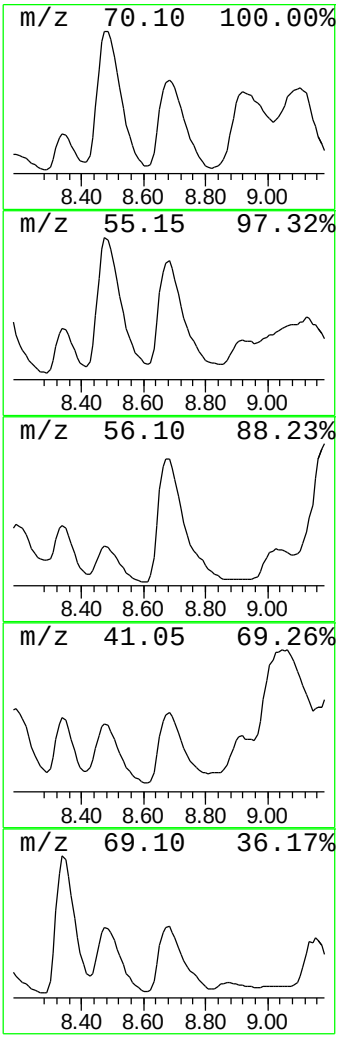
****

Peak Number 5 Cyclopentane, 1,2,3-trimeth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	158.51 ug/l	56457600	1,4-Difluorobenzene	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	59
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

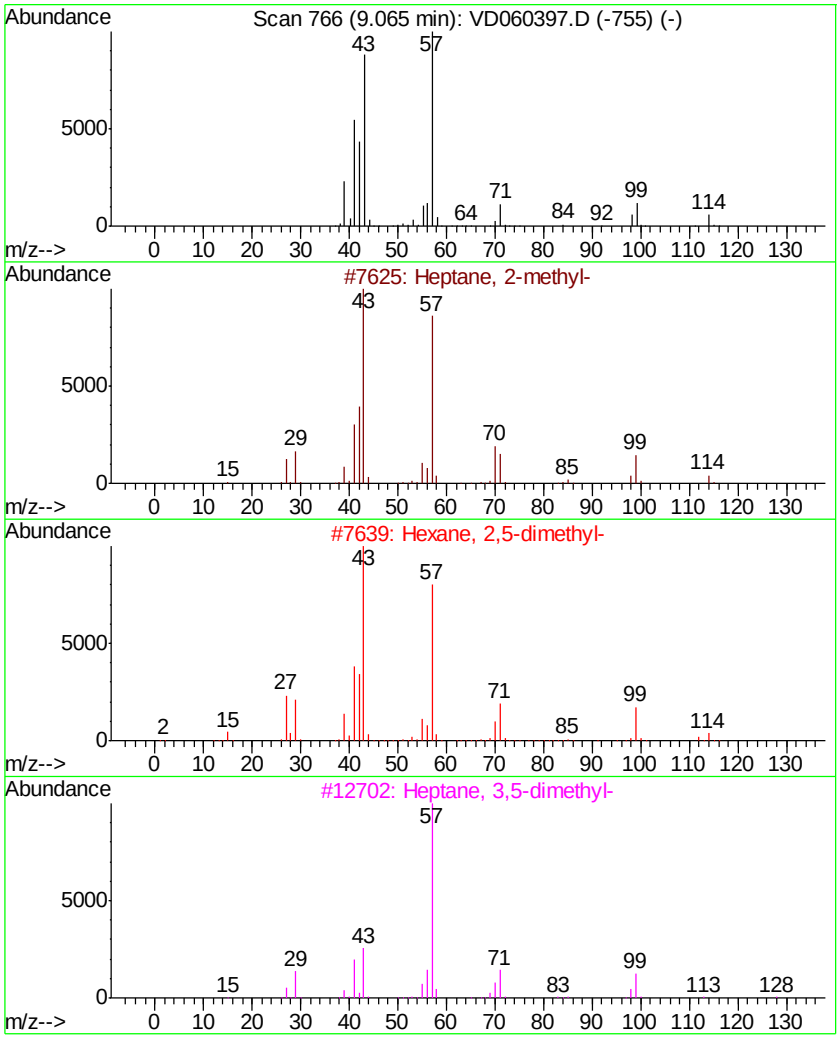
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

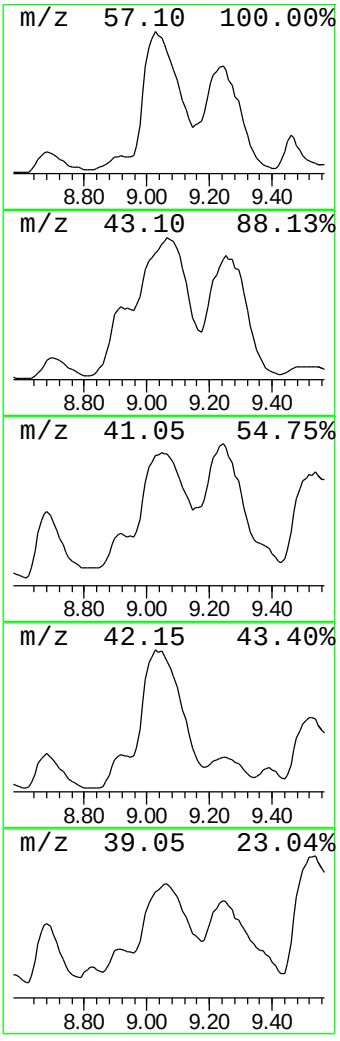
****

Peak Number 6 Heptane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	248.52 ug/l	88519100	1,4-Difluorobenzene	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43
4	2-Piperidinone	99	C5H9NO	000675-20-7	40
5	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

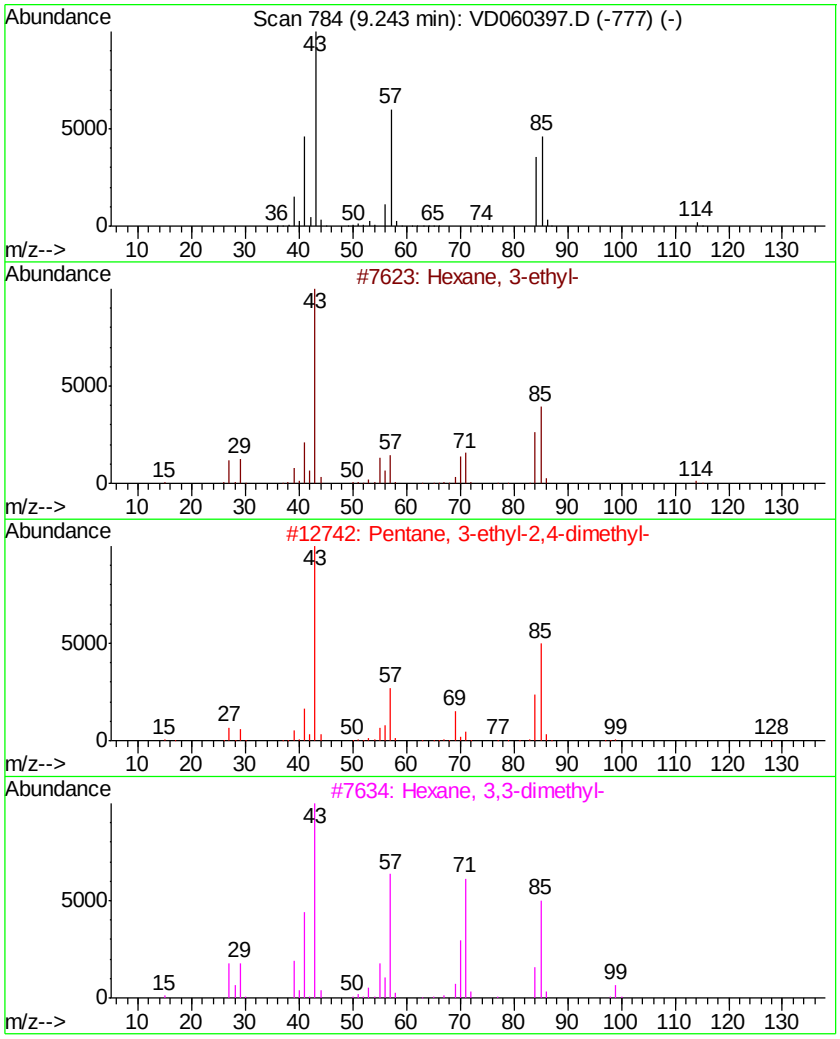
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

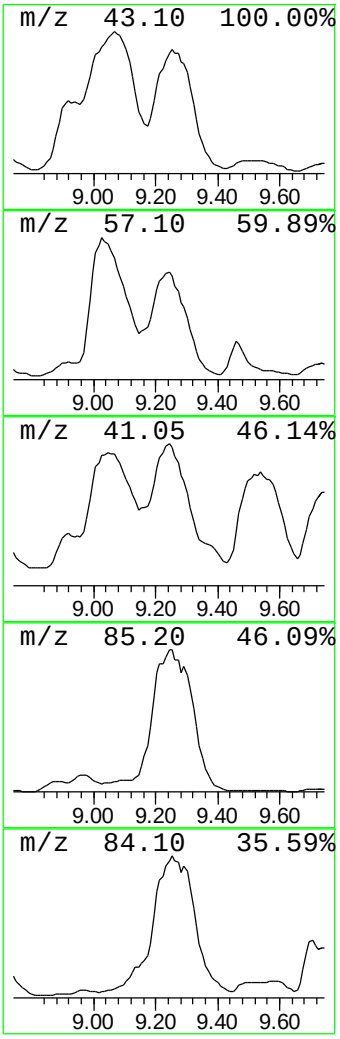
****

Peak Number 7 Hexane, 3-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	321.01 ug/l	114336000	1,4-Difluorobenzene	7.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	80
2	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	78
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	64
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

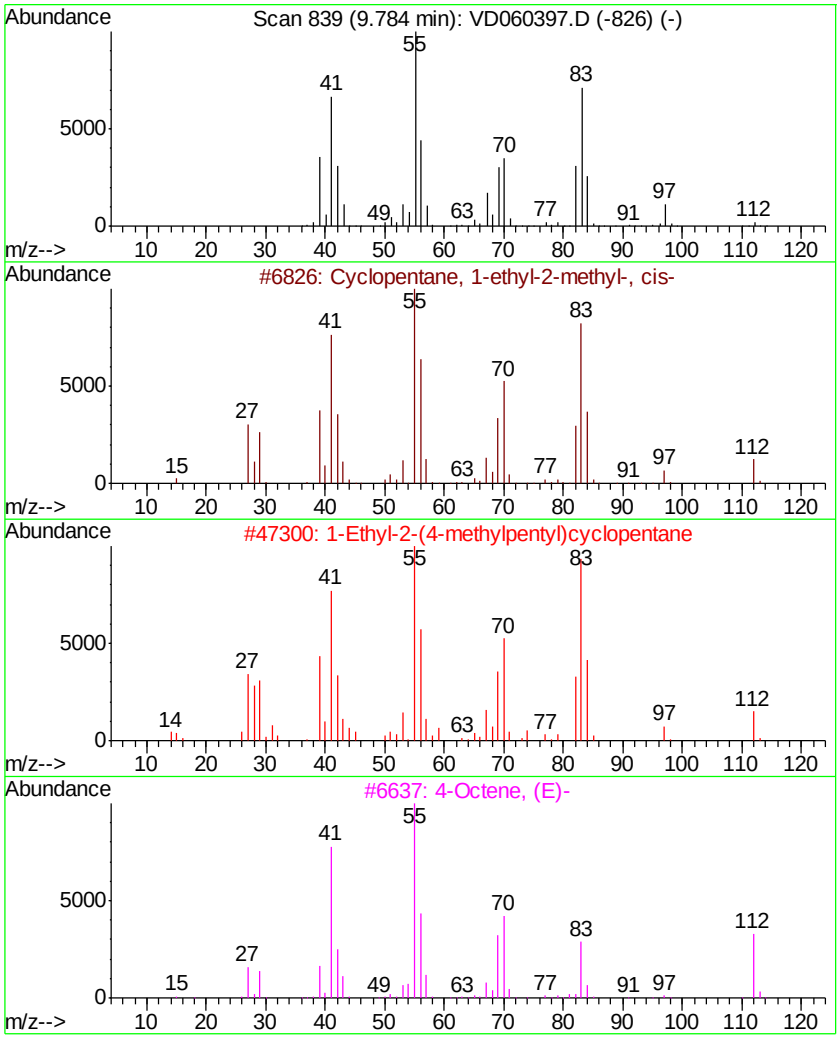
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

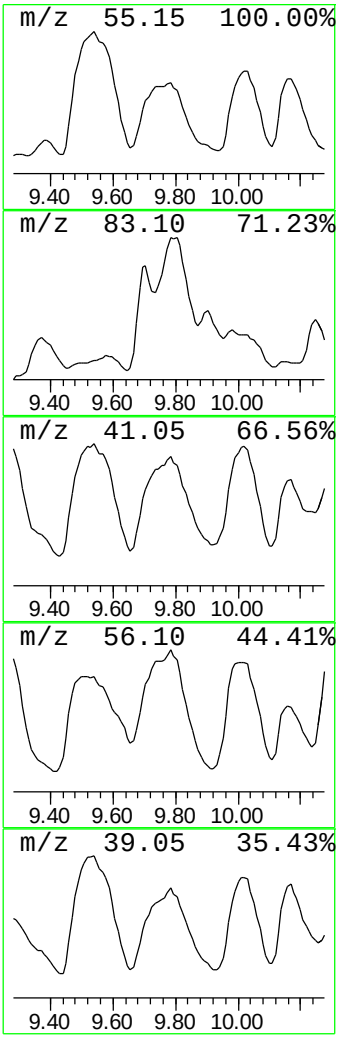
****

Peak Number 8 Cyclopentane, 1-ethyl-2-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	154.47 ug/l	106981000	Chlorobenzene-d5	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	90
2	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	78
3	4-Octene, (E)-	112	C8H16	014850-23-8	50
4	4-Octene, (Z)-	112	C8H16	007642-15-1	47
5	6-Oxabicyclo[3.1.0]hexane	84	C5H8O	000285-67-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

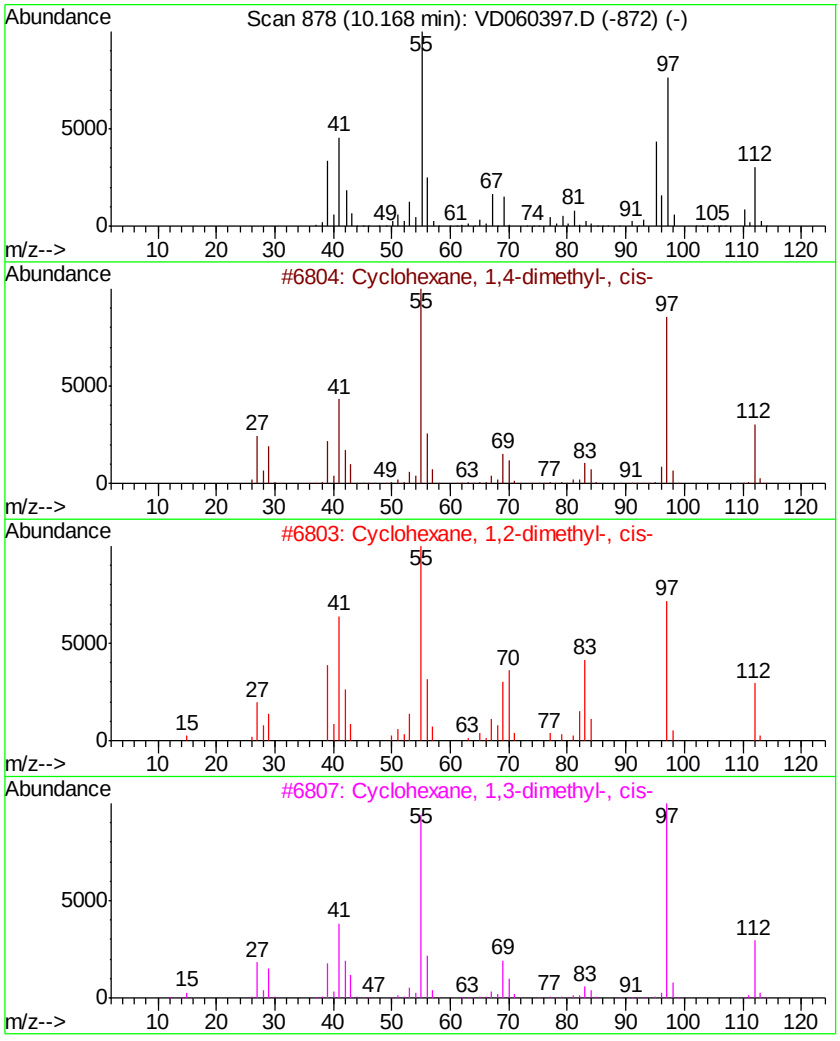
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

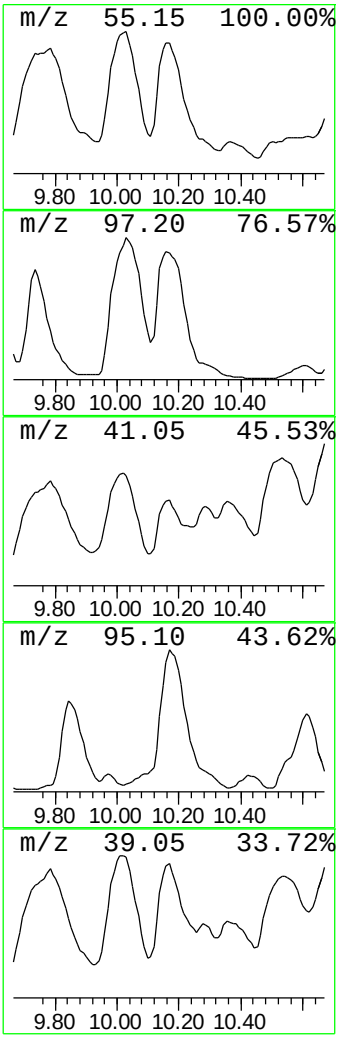
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	91.69 ug/l	63502000	Chlorobenzene-d5	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	76
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	70
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	70
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	68
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

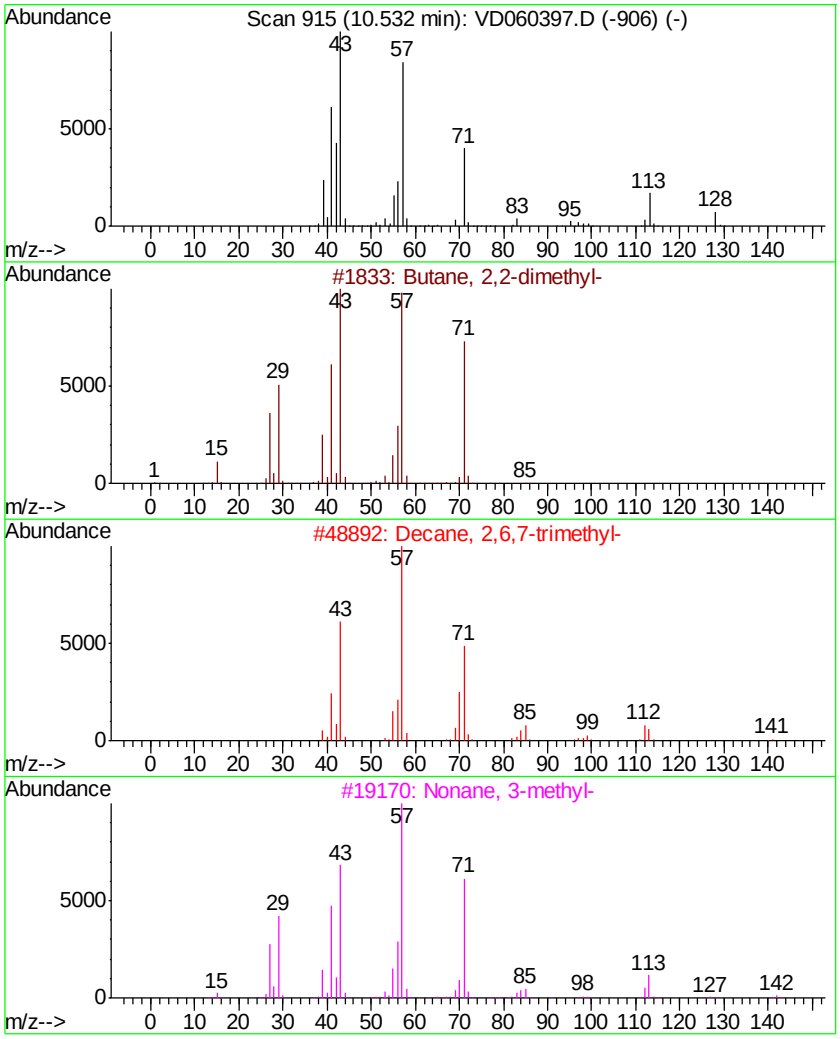
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

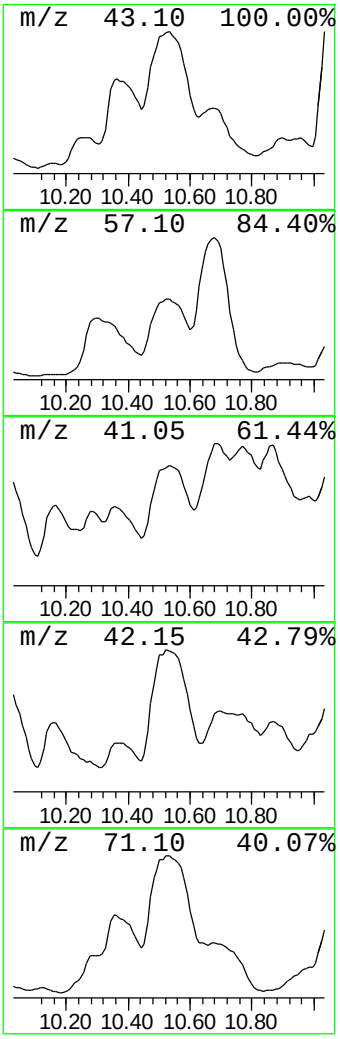
****

Peak Number 10 Butane, 2,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	97.11 ug/l	67254500	Chlorobenzene-d5	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50
2	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	47
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	47
4	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	47
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
Data File : VD060397.D
Acq On : 16 Nov 2018 14:46
Operator : JC/SY
Sample : J5918-02
Misc : 5.03g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-05(25-27)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.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
Cyclopentane, 1,3...	6.96	95.5	ug/l	34009800	2	7.47	17809000	50.0
Cyclopentane, 1,2...	7.13	131.9	ug/l	46985200	2	7.47	17809000	50.0
Heptane	7.29	100.4	ug/l	35764500	2	7.47	17809000	50.0
Cyclopentane, 1,2...	8.47	151.7	ug/l	54044800	2	7.47	17809000	50.0
Cyclopentane, 1,2...	8.68	158.5	ug/l	56457600	2	7.47	17809000	50.0
Heptane, 2-methyl-	9.07	248.5	ug/l	88519100	2	7.47	17809000	50.0
Hexane, 3-ethyl-	9.24	321.0	ug/l	114336000	2	7.47	17809000	50.0
Cyclopentane, 1-e...	9.78	154.5	ug/l	106981000	3	11.33	34628100	50.0
Cyclohexane, 1,4-...	10.17	91.7	ug/l	63502000	3	11.33	34628100	50.0
Butane, 2,2-dimet...	10.53	97.1	ug/l	67254500	3	11.33	34628100	50.0