LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD080119\
Data File : VD063298.D
Acq On : 1 Aug 2019 17:51
Operator : VA/AP
Sample : K4120-08
Misc : 4.75g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-2

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\82D072919S.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	1.473	3	5	20	rVB	1848249	4190560	100.00%	15.427%
2	1.827	37	41	46	rVB2	29405	60511	1.44%	0.223%
3	1.945	50	53	58	rBV	40834	83665	2.00%	0.308%
4	2.339	89	93	98	rVB	98400	210564	5.02%	0.775%
5	2.615	117	121	126	rBV3	26104	60480	1.44%	0.223%
6	2.959	153	156	162	rBV2	19467	48754	1.16%	0.179%
7	3.156	172	176	178	rBV3	24221	59803	1.43%	0.220%
8	3.767	230	238	243	rBV2	155380	598478	14.28%	2.203%
9	4.210	276	283	289	rBV2	86237	288646	6.89%	1.063%
10	5.056	363	369	375	rVB4	17841	57474	1.37%	0.212%
11	5.519	408	416	422	rBV3	21071	72389	1.73%	0.266%
12	5.696	425	434	435	rBV3	21124	63132	1.51%	0.232%
13	5.775	435	442	450	rVV3	328307	1151377	27.48%	4.239%
14	5.883	450	453	459	rVB5	28088	93378	2.23%	0.344%
15	6.149	473	480	487	rBV	81108	262568	6.27%	0.967%
16	6.641	520	530	537	rBV5	31759	122691	2.93%	0.452%
17	6.917	551	558	565	rBV3	740691	2963624	70.72%	10.910%
18	7.025	565	569	583	rVB	699496	2189628	52.25%	8.061%
19	7.301	588	597	604	rVB4	42355	133149	3.18%	0.490%
20	7.439	604	611	622	rBV	358001	1033424	24.66%	3.804%
21	7.596	622	627	632	rVV3	81922	245281	5.85%	0.903%
22	7.685	632	636	642	rVV3	64573	206232	4.92%	0.759%
23	7.783	642	646	651	rVB3	25614	69856	1.67%	0.257%
24	8.206	680	689	699	rBV	1019566	2571844	61.37%	9.468%
25	8.561	717	725	731	rBV6	22144	96386	2.30%	0.355%
26	8.856	744	755	760	rBV2	106693	363377	8.67%	1.338%
27	9.378	803	808	810	rBV3	30429	81039	1.93%	0.298%
28	9.427	810	813	818	rVB	50253	112122	2.68%	0.413%
29	9.526	818	823	833	rVB4	18941	64933	1.55%	0.239%
30	9.683	833	839	845	rBV5	54208	184577	4.40%	0.679%
31	10.205	887	892	902	rBV	137454	315088	7.52%	1.160%
32	10.392	902	911	918	rVV	833930	1989475	47.48%	7.324%
33	10.490	918	921	929	rVB	94335	229535	5.48%	0.845%
34	10.924	961	965	971	rVB4	15297	44881	1.07%	0.165%

LSC Area Percent Report

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Title : SW846 8260

35	11.101	978	983	988	rVB5	21460	56613	1.35%	0.208%
36	11.219	988	995	1003	rBV	86601	230575	5.50%	0.849%
37	11.869	1058	1061	1069	rVB2	34702	68749	1.64%	0.253%
38	12.361	1107	1111	1115	rVV	1204567	2016509	48.12%	7.424%
39	12.459	1118	1121	1123	rVV3	29062	50670	1.21%	0.187%
40	12.518	1123	1127	1135	rVB	701401	1152552	27.50%	4.243%
41	12.656	1135	1141	1147	rBV2	133502	275708	6.58%	1.015%
42	13.040	1175	1180	1183	rBV	88534	121448	2.90%	0.447%
43	13.394	1211	1216	1220	rBV	71855	109957	2.62%	0.405%
44	13.552	1228	1232	1238	rBV	637739	924223	22.05%	3.402%
45	13.709	1244	1248	1251	rBV	76863	125322	2.99%	0.461%
46	14.074	1282	1285	1291	rBV	36125	59219	1.41%	0.218%
47	14.231	1298	1301	1307	rVB2	65980	96297	2.30%	0.355%
48	14.408	1316	1319	1322	rBV2	40442	63817	1.52%	0.235%
49	14.507	1326	1329	1333	rBV	785976	1092466	26.07%	4.022%
50	14.704	1346	1349	1353	rBV	219146	281622	6.72%	1.037%
51	15.107	1386	1390	1391	rBV2	28689	50405	1.20%	0.186%
52	16.210	1498	1502	1505	rVB	57083	68580	1.64%	0.252%

Sum of corrected areas: 27163653

LSC Report - Integrated Chromatogram

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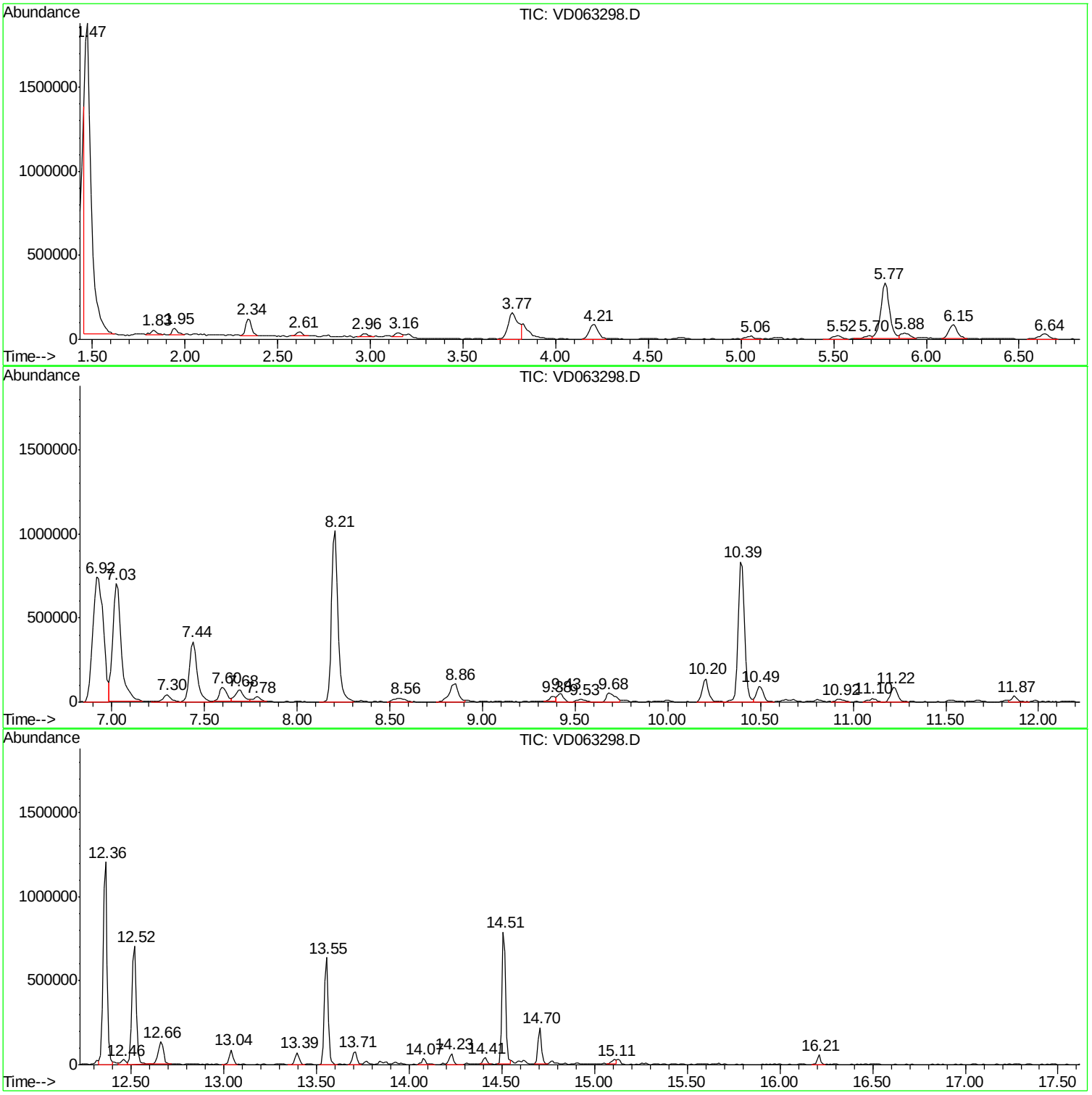
Sample : K4120-08
Misc : 4.75g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.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\VD080119\
Data File : VD063298.D
Acq On : 1 Aug 2019 17:51
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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

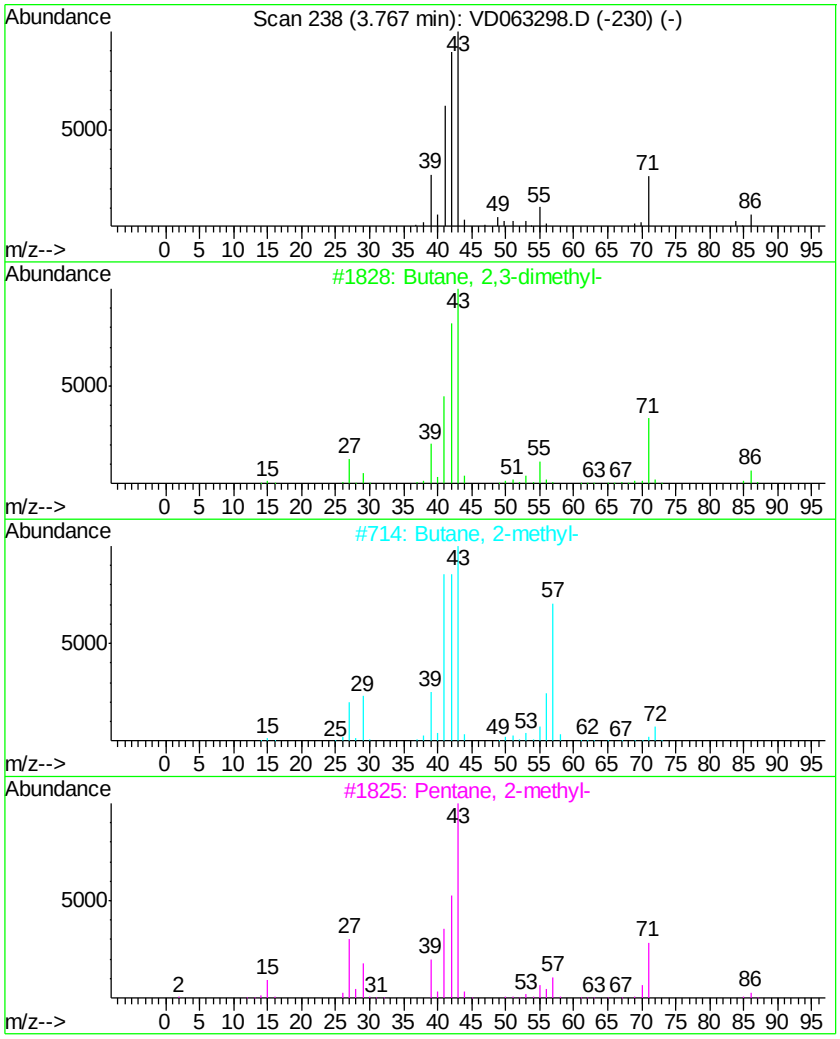
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

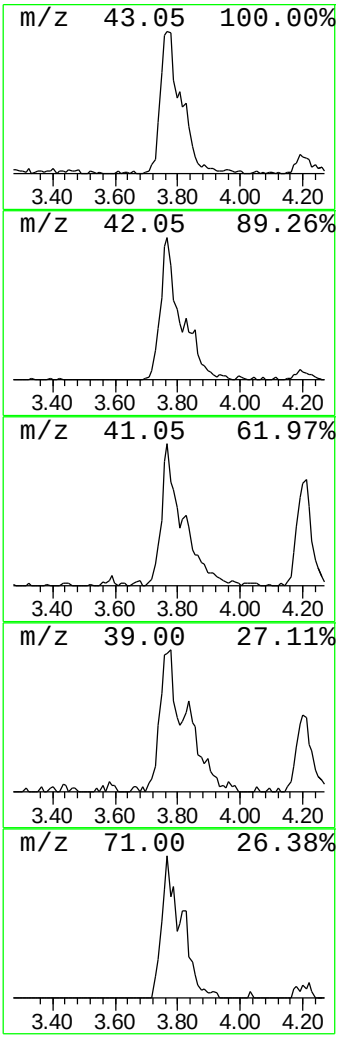
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.77	13.67 ug/l	598478	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Butane, 2-methyl-	72	C5H12	000078-78-4	59
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	38
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	28
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	17





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Data File : VD063298.D
Acq On : 1 Aug 2019 17:51
Operator : VA/AP
Sample : K4120-08
Misc : 4.75g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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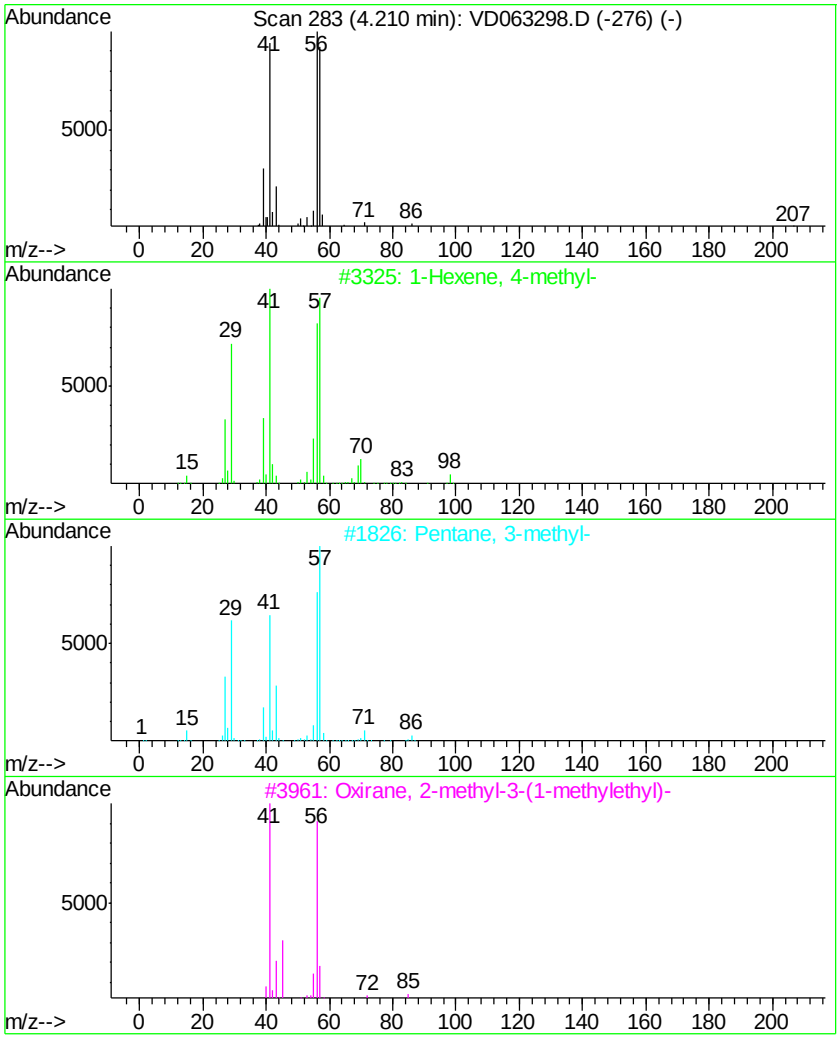
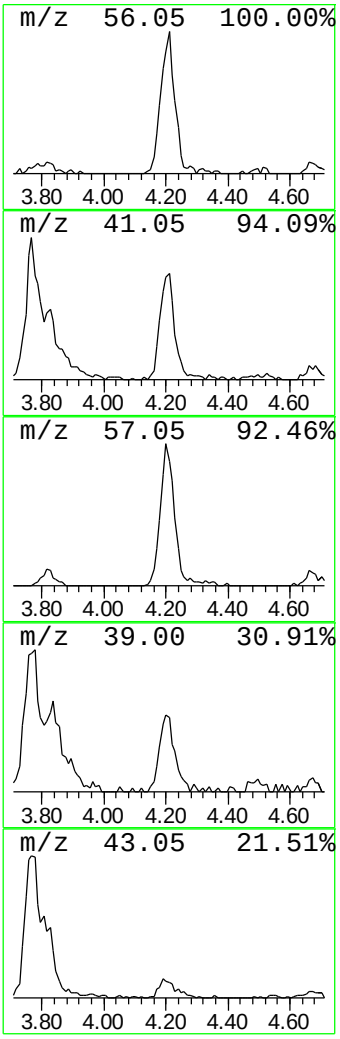
Peak Number 3 1-Hexene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.21	6.59 ug/l	288646	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	64
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	43
3	Oxirane, 2-methyl-3-(1-methyleth...	100	C6H12O	001192-31-0	39
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	38
5	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	25





Library Search Compound Report

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Sample : K4120-08
Misc : 4.75g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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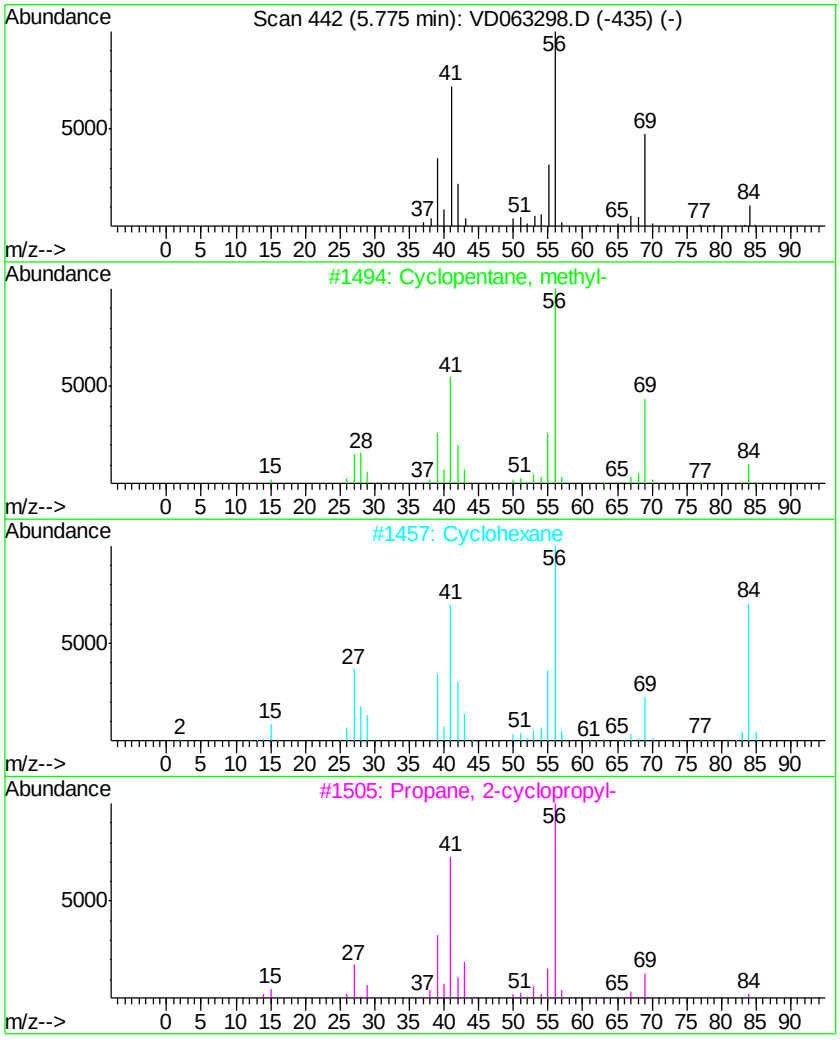
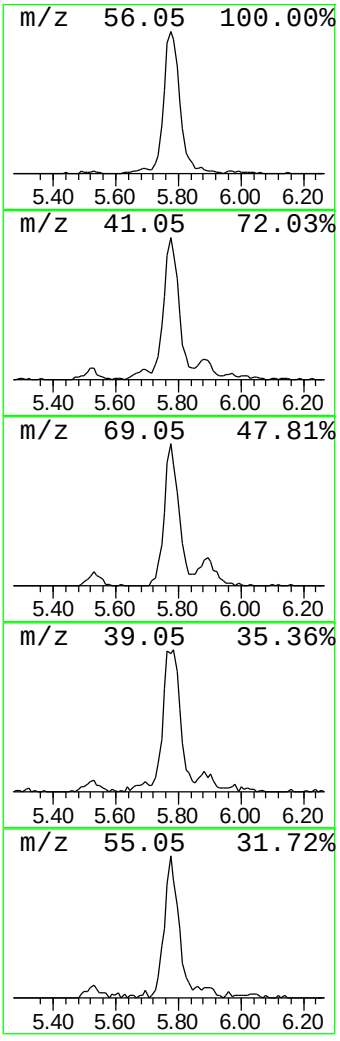
Peak Number 4 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	26.29 ug/l	1151380	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	86
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





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Operator : VA/AP
Sample : K4120-08
Misc : 4.75g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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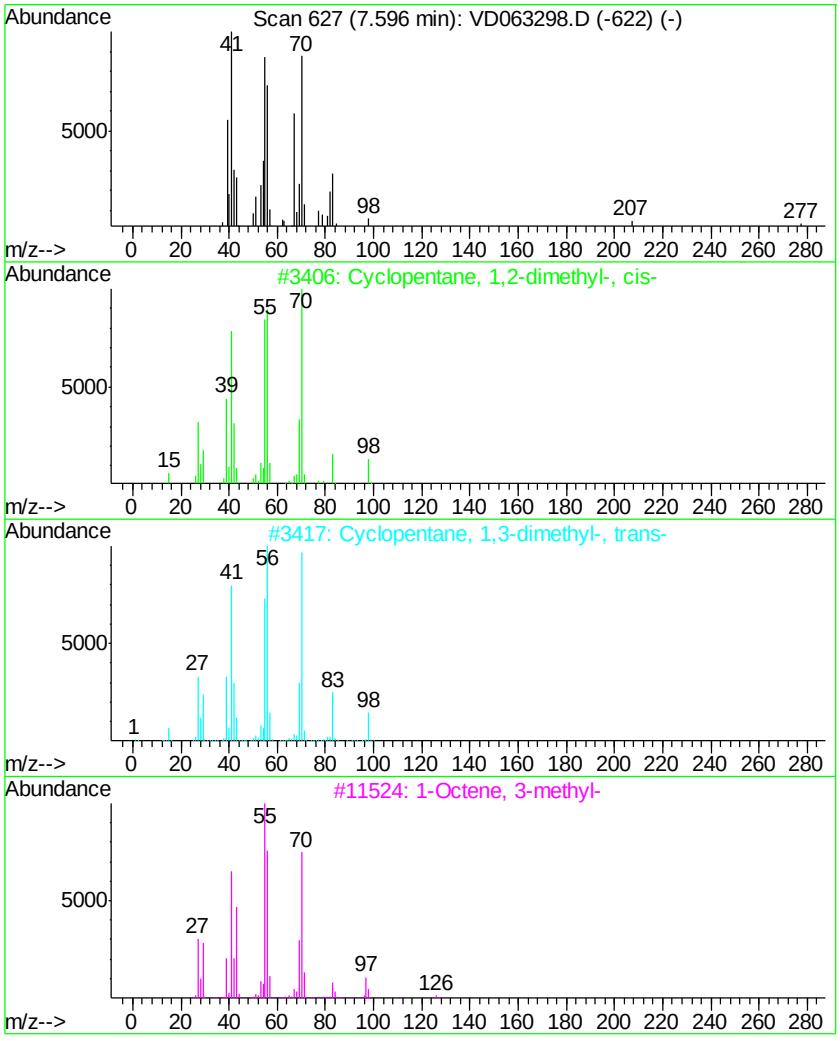
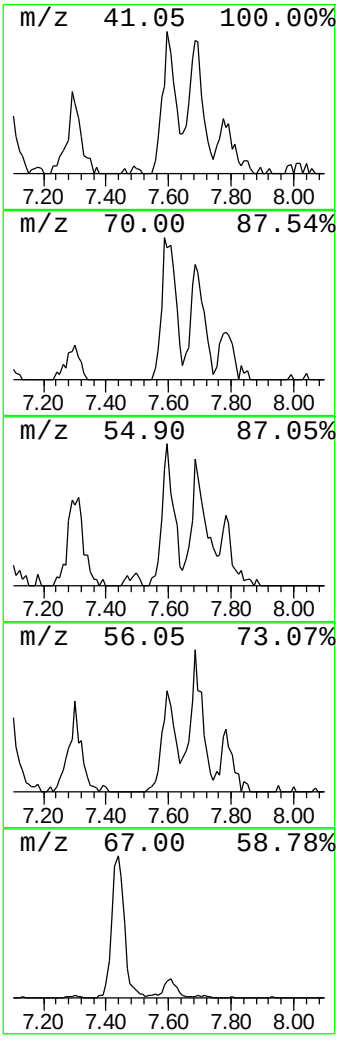
Peak Number 6 unknown7.60 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	5.60 ug/l	245281	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	47
2	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	43
3	1-Octene, 3-methyl-	126	C9H18	013151-08-1	43
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	43
5	3-Amino-1-azabicyclo[2.2.2]octane	126	C7H14N2	006238-14-8	38





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Instrument : MSVOA_D
ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

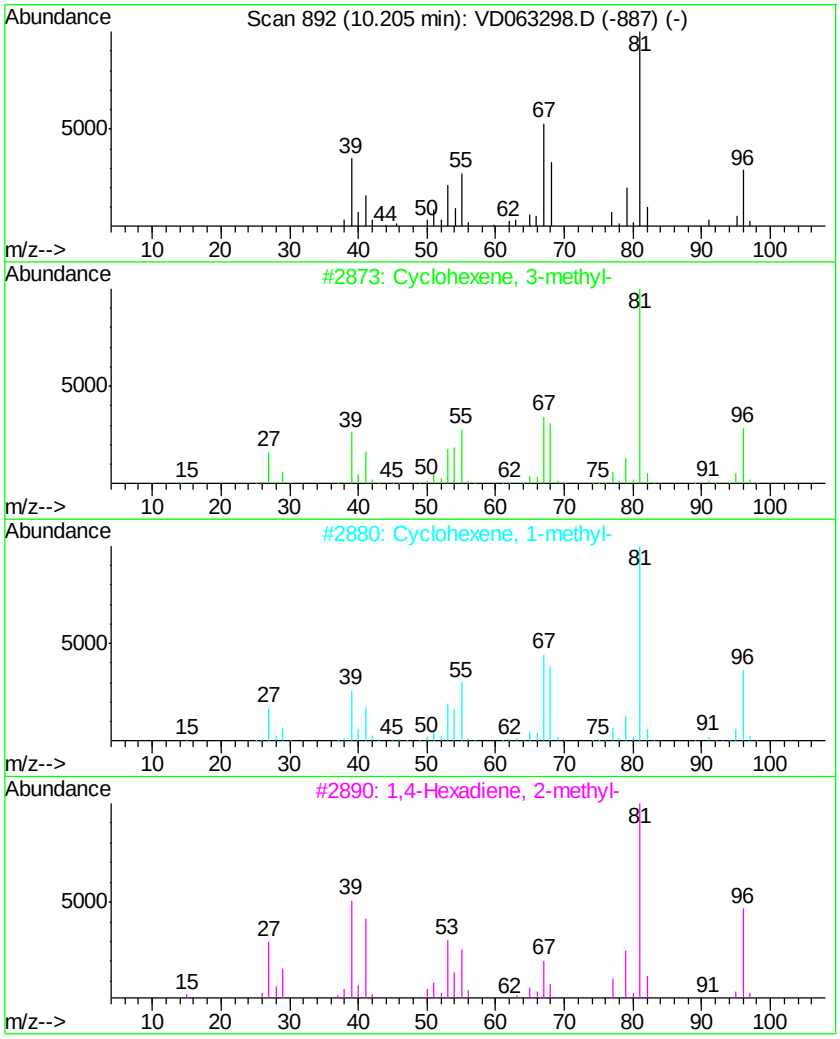
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

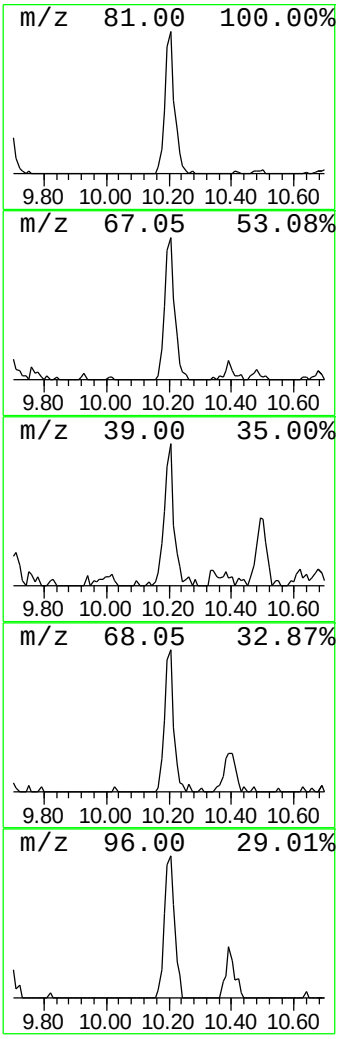
****

Peak Number 7 Cyclohexene, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	6.13 ug/l	315088	1,4-Difluorobenzene	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	94
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	83
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	81
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	76





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ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

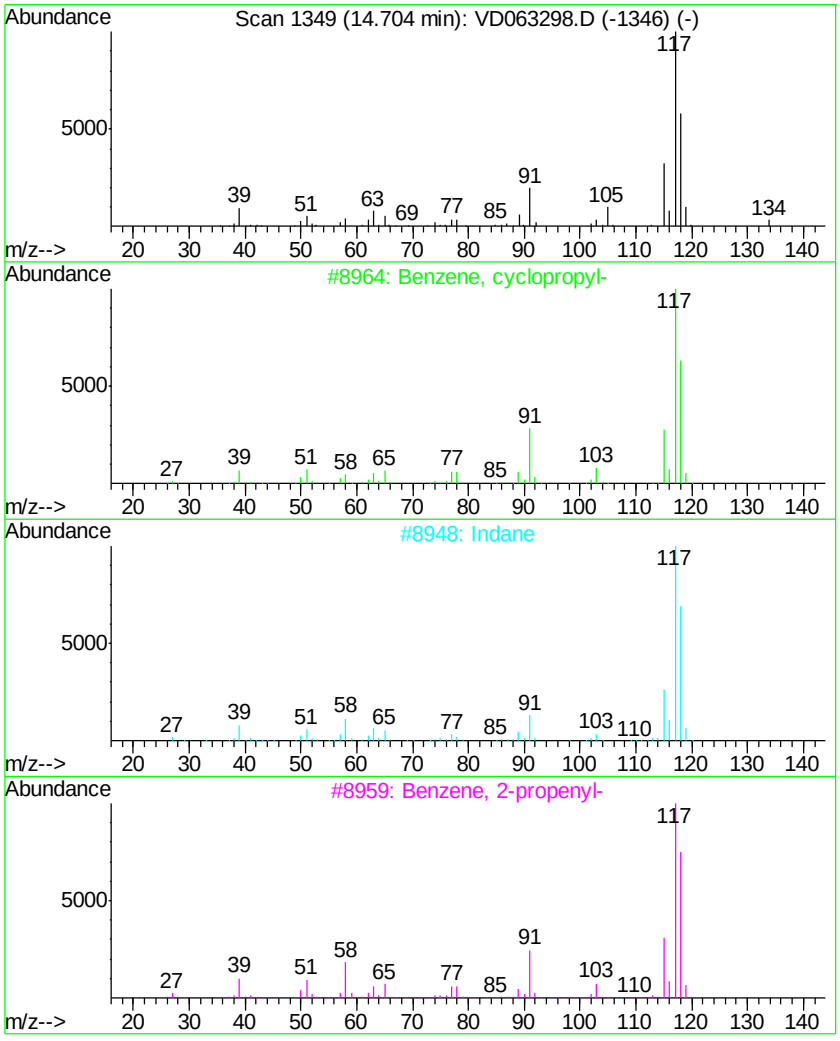
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

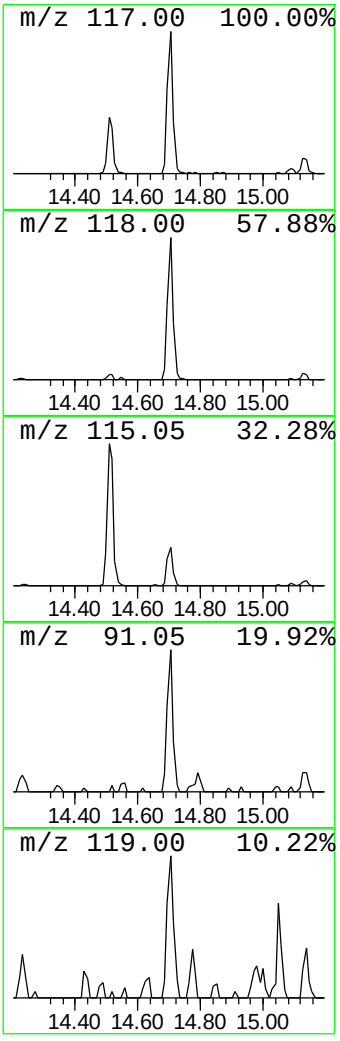
****

Peak Number 10 Benzene, cyclopropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	12.89 ug/l	281622	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	68
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68





Tentatively Identified Compound (LSC) summary

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Instrument : MSVOA_D
ClientSampleId : T3-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.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
Butane, 2,3-dimet...	3.77	13.7	ug/l	598478	1	7.03	2189630	50.0
1-Hexene, 4-methyl-	4.21	6.6	ug/l	288646	1	7.03	2189630	50.0
Cyclopentane, met...	5.77	26.3	ug/l	1151380	1	7.03	2189630	50.0
unknown7.60	7.60	5.6	ug/l	245281	1	7.03	2189630	50.0
Cyclohexene, 3-me...	10.20	6.1	ug/l	315088	2	8.21	2571840	50.0
Benzene, cyclopro...	14.70	12.9	ug/l	281622	4	14.51	1092470	50.0