LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

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\82D030719S.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	1.717	27	30	35	rVB2	26484	52098	1.92%	0.187%
2	1.855	41	44	49	rBV	87731	146984	5.41%	0.529%
3	1.924	49	51	59	rVV3	10021	32321	1.19%	0.116%
4	2.367	90	96	106	rBV	341880	782191	28.76%	2.813%
5	2.643	119	124	134	rVV	402371	970124	35.68%	3.489%
6	2.790	136	139	144	rVV	61666	145478	5.35%	0.523%
7	2.928	147	153	161	rVB2	23651	69861	2.57%	0.251%
8	3.194	174	180	186	rBV5	18062	68653	2.52%	0.247%
9	3.706	227	232	236	rBV4	18597	60930	2.24%	0.219%
10	3.854	236	247	268	rVB3	367981	1715382	63.08%	6.170%
11	4.228	277	285	294	rBV	200366	661798	24.34%	2.380%
12	4.700	325	333	346	rBV2	234896	901463	33.15%	3.242%
13	4.868	348	350	355	rVV3	10355	27272	1.00%	0.098%
14	4.995	355	363	371	rVV3	17308	68201	2.51%	0.245%
15	5.517	411	416	422	rBV3	8260	30069	1.11%	0.108%
16	5.704	427	435	438	rVV3	21368	77202	2.84%	0.278%
17	5.793	438	444	463	rVB	244600	832446	30.61%	2.994%
18	6.137	473	479	485	rBV2	48826	157058	5.78%	0.565%
19	6.915	551	558	566	rBV3	503015	2330508	85.70%	8.382%
20	7.033	566	570	586	rVV	536591	1870445	68.78%	6.727%
21	7.270	587	594	605	rVV2	163452	561237	20.64%	2.019%
22	7.447	605	612	623	rVV	430861	1194743	43.94%	4.297%
23	7.604	623	628	634	rVV	81301	241705	8.89%	0.869%
24	7.703	634	638	642	rVV2	55661	146504	5.39%	0.527%
25	7.791	642	647	654	rVB3	61200	189802	6.98%	0.683%
26	8.008	663	669	683	rBV	227822	652939	24.01%	2.348%
27	8.205	683	689	705	rVB	785776	2077685	76.40%	7.473%
28	8.854	744	755	760	rBV	273497	849384	31.23%	3.055%
29	9.002	766	770	775	rVB4	28822	74133	2.73%	0.267%
30	9.140	780	784	789	rVB2	25222	60255	2.22%	0.217%
31	9.288	792	799	805	rBV5	21715	76085	2.80%	0.274%
32	9.514	817	822	831	rBV5	20502	61502	2.26%	0.221%
33	9.770	844	848	852	rBV3	17020	37391	1.38%	0.134%
34	9.898	856	861	870	rVV2	96552	289073	10.63%	1.040%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

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\82D030719S.M
Title : SW846 8260

35	10.105	878	882	892	rVB	77019	220976	8.13%	0.795%
36	10.400	904	912	919	rBV	1073912	2719335	100.00%	9.781%
37	10.498	919	922	927	rVV	56056	124523	4.58%	0.448%
38	10.607	929	933	936	rVV5	16441	43882	1.61%	0.158%
39	10.695	940	942	946	rVV3	13441	31092	1.14%	0.112%
40	10.774	946	950	957	rVV	98138	226494	8.33%	0.815%
41	10.912	959	964	971	rVB2	25435	68773	2.53%	0.247%
42	11.079	977	981	988	rVB5	15747	45030	1.66%	0.162%
43	11.227	988	996	1002	rBV2	31170	108601	3.99%	0.391%
44	11.335	1002	1007	1009	rVB3	12134	31573	1.16%	0.114%
45	11.473	1015	1021	1025	rBV2	24042	50807	1.87%	0.183%
46	11.621	1033	1036	1038	rBV	22697	41637	1.53%	0.150%
47	11.739	1043	1048	1052	rVB2	20837	44971	1.65%	0.162%
48	11.818	1052	1056	1060	rBV2	30080	73965	2.72%	0.266%
49	12.113	1083	1086	1088	rVV2	15882	28289	1.04%	0.102%
50	12.162	1088	1091	1097	rVB2	43055	99094	3.64%	0.356%
51	12.300	1100	1105	1107	rBV	47574	85996	3.16%	0.309%
52	12.359	1107	1111	1117	rVB	1220581	2240104	82.38%	8.057%
53	12.507	1124	1126	1132	rVB	33633	62238	2.29%	0.224%
54	12.664	1138	1142	1144	rBV2	14252	31990	1.18%	0.115%
55	12.733	1146	1149	1155	rVB3	43326	85148	3.13%	0.306%
56	13.206	1192	1197	1200	rVB2	14683	28789	1.06%	0.104%
57	13.294	1204	1206	1213	rVB4	15918	31392	1.15%	0.113%
58	13.550	1228	1232	1240	rVB	1052746	1591276	58.52%	5.723%
59	13.708	1245	1248	1252	rVV	53177	86822	3.19%	0.312%
60	14.505	1326	1329	1333	rBV	1470751	2038801	74.97%	7.333%
61	15.106	1387	1390	1394	rBV	33915	48586	1.79%	0.175%

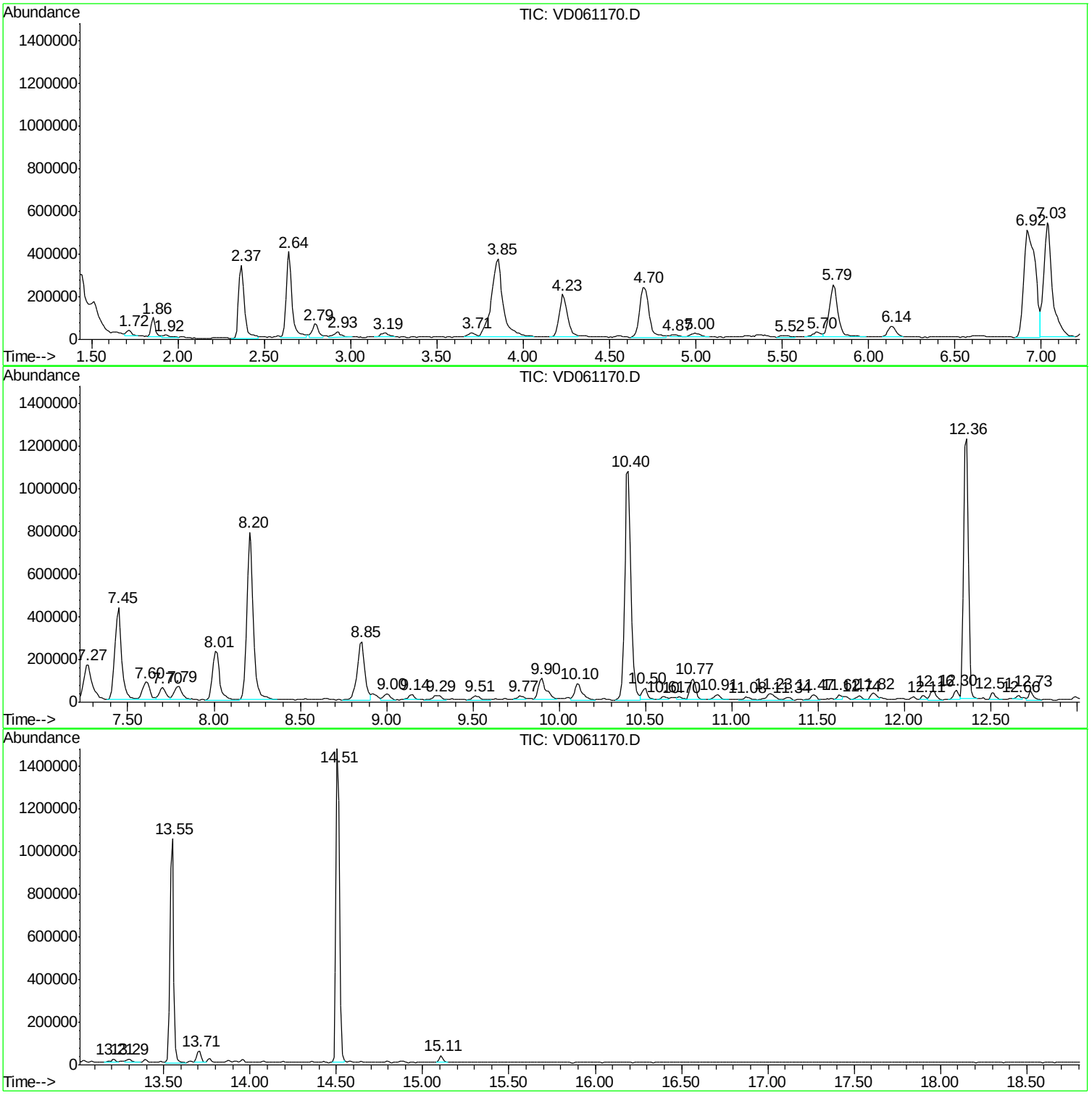
Sum of corrected areas: 27803106

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.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\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

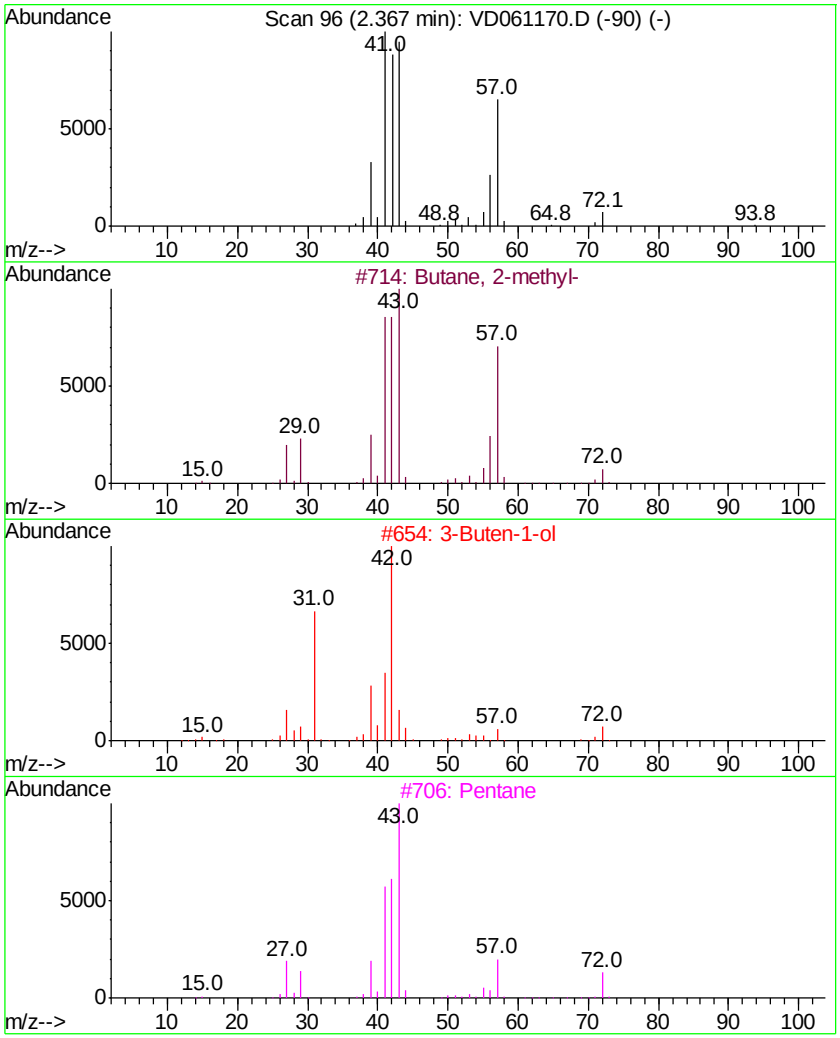
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

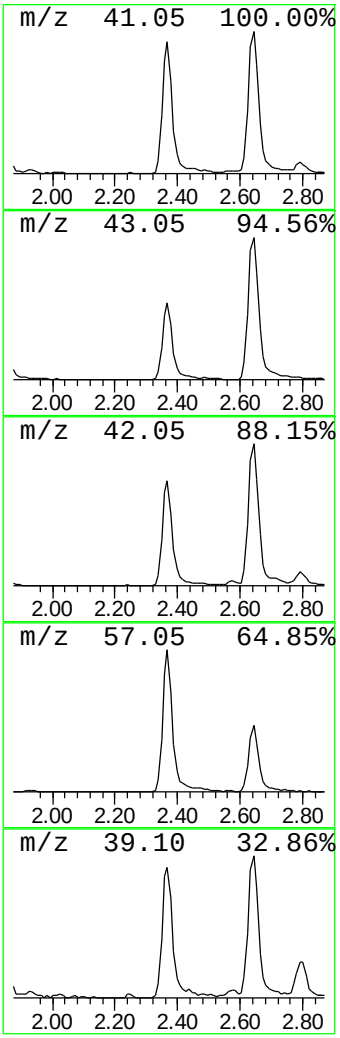
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.37	20.91 ug/l	782191	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	38
3	Pentane	72	C5H12	000109-66-0	36
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	28
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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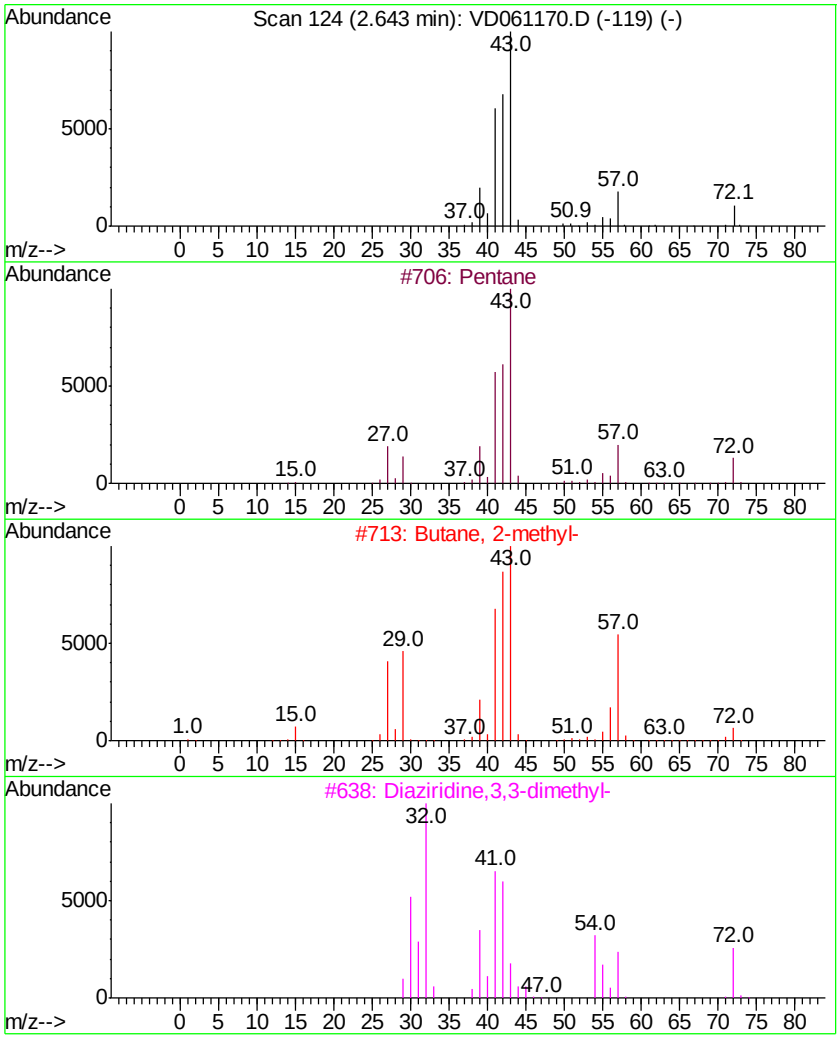
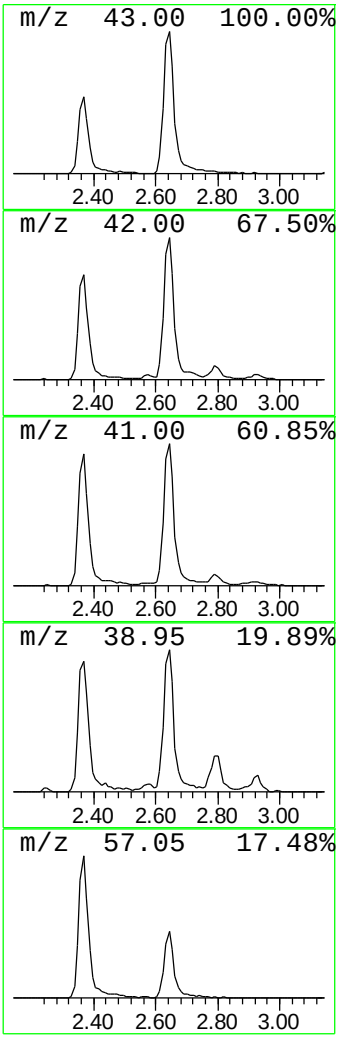
Peak Number 2 Pentane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.64	25.93 ug/l	970124	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	64
3	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	25
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	9
5	Isobutyl nitrite	103	C4H9NO2	000542-56-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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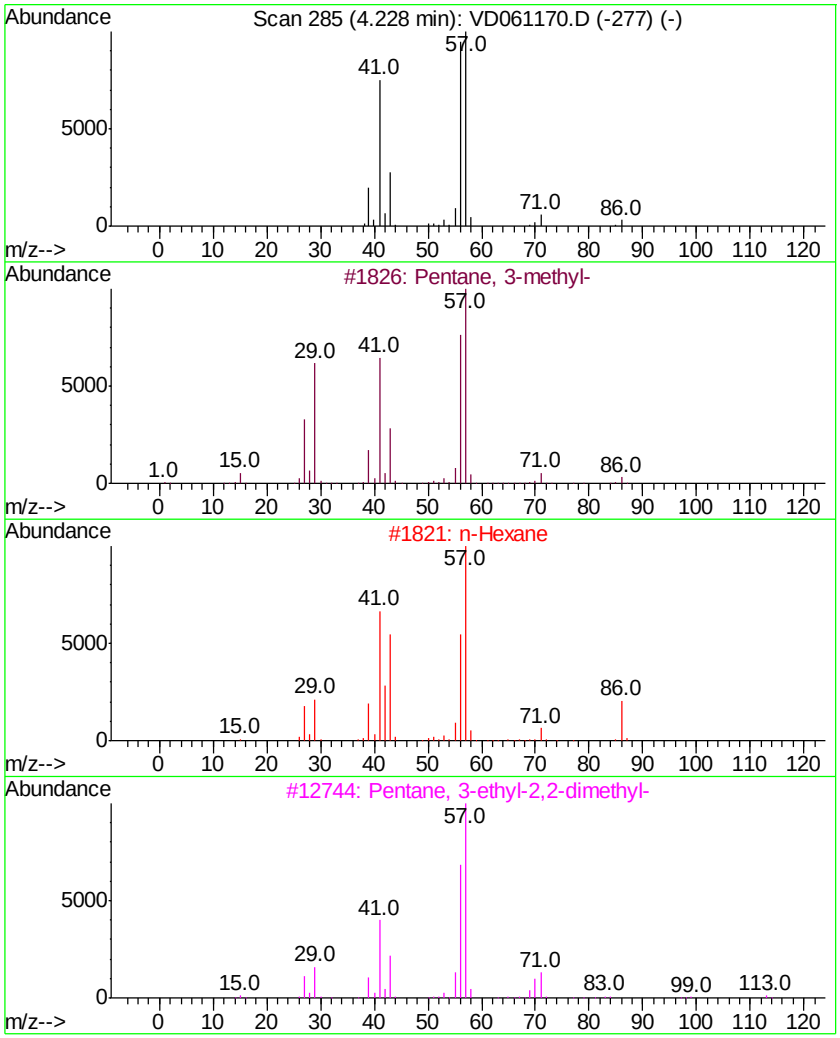
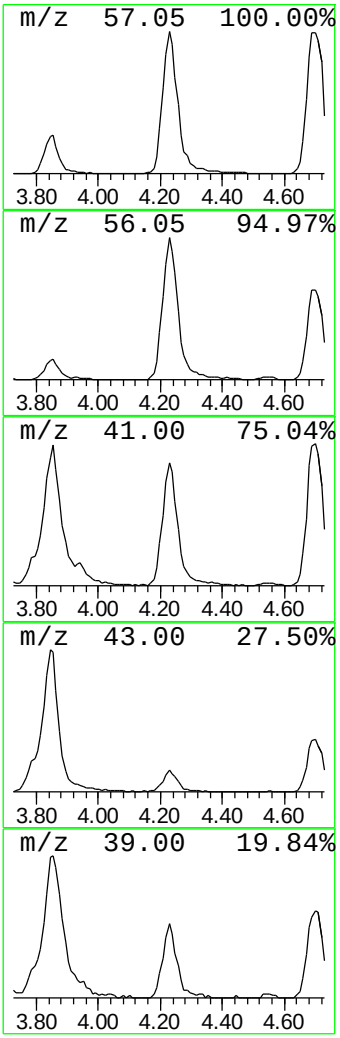
Peak Number 3 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.23	17.69 ug/l	661798	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	n-Hexane	86	C6H14	000110-54-3	47
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	39
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

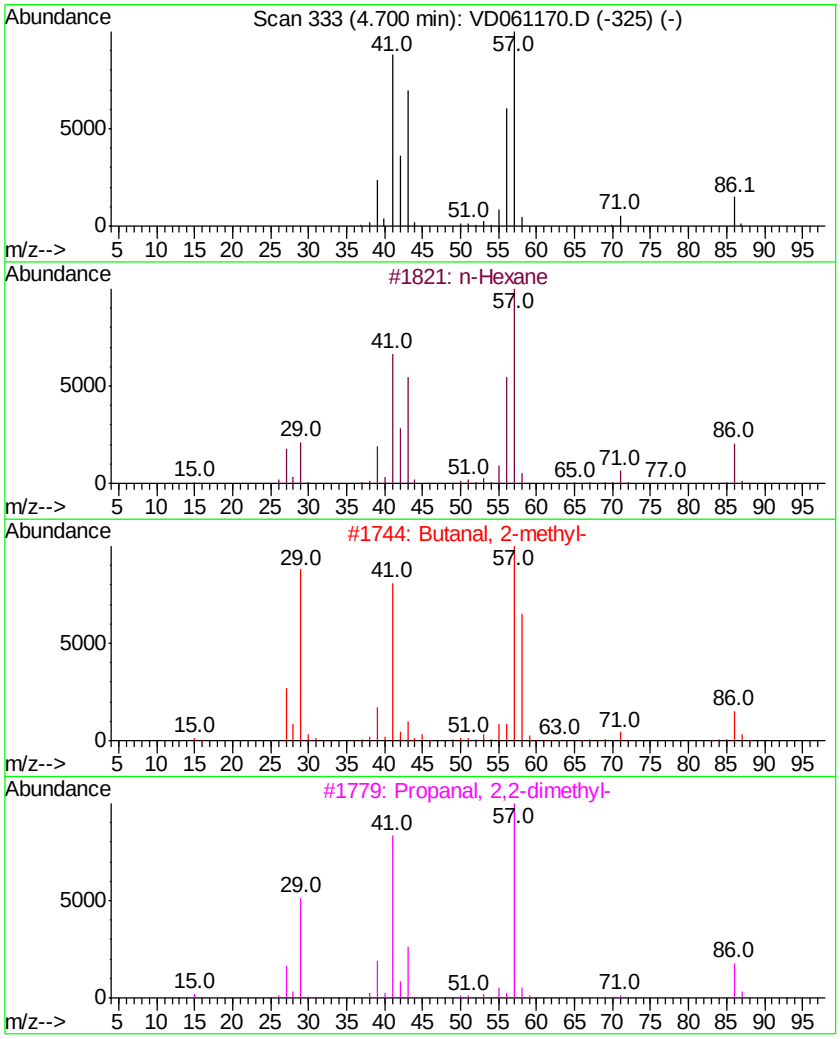
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

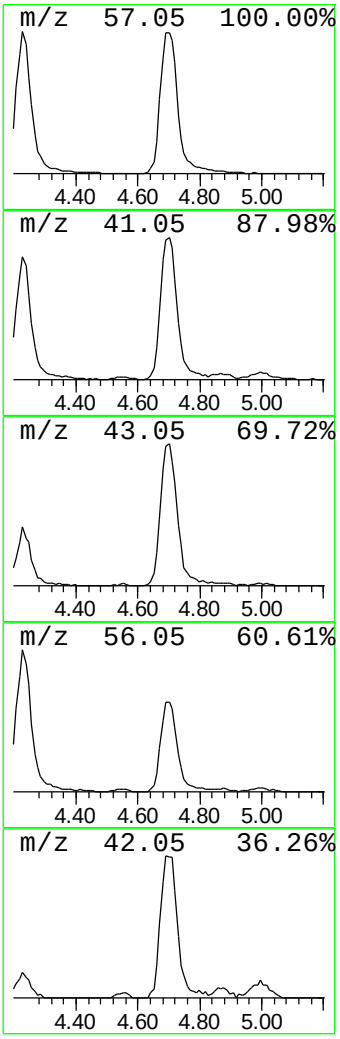
****

Peak Number 4 n-Hexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	24.10 ug/l	901463	Pentafluorobenzene	7.03

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	38
3	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	38
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	33
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	28





Library Search Compound Report

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Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

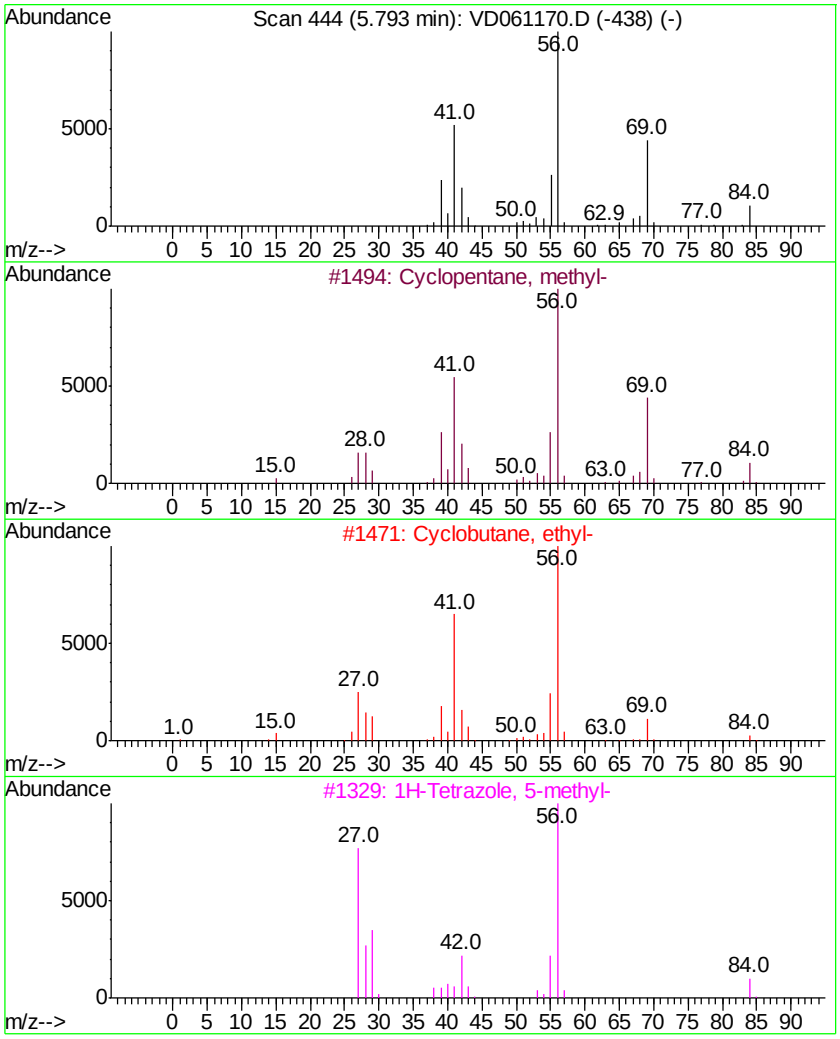
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

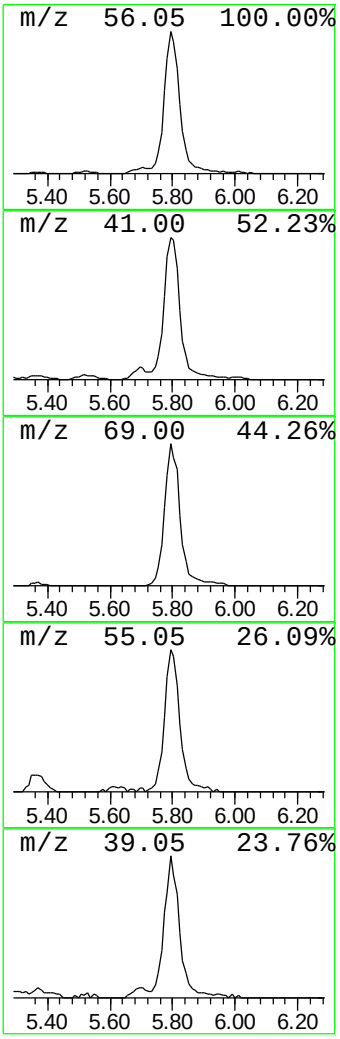
****

Peak Number 5 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	22.25 ug/l	832446	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50
5	1-Hexene	84	C6H12	000592-41-6	43





Library Search Compound Report

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Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

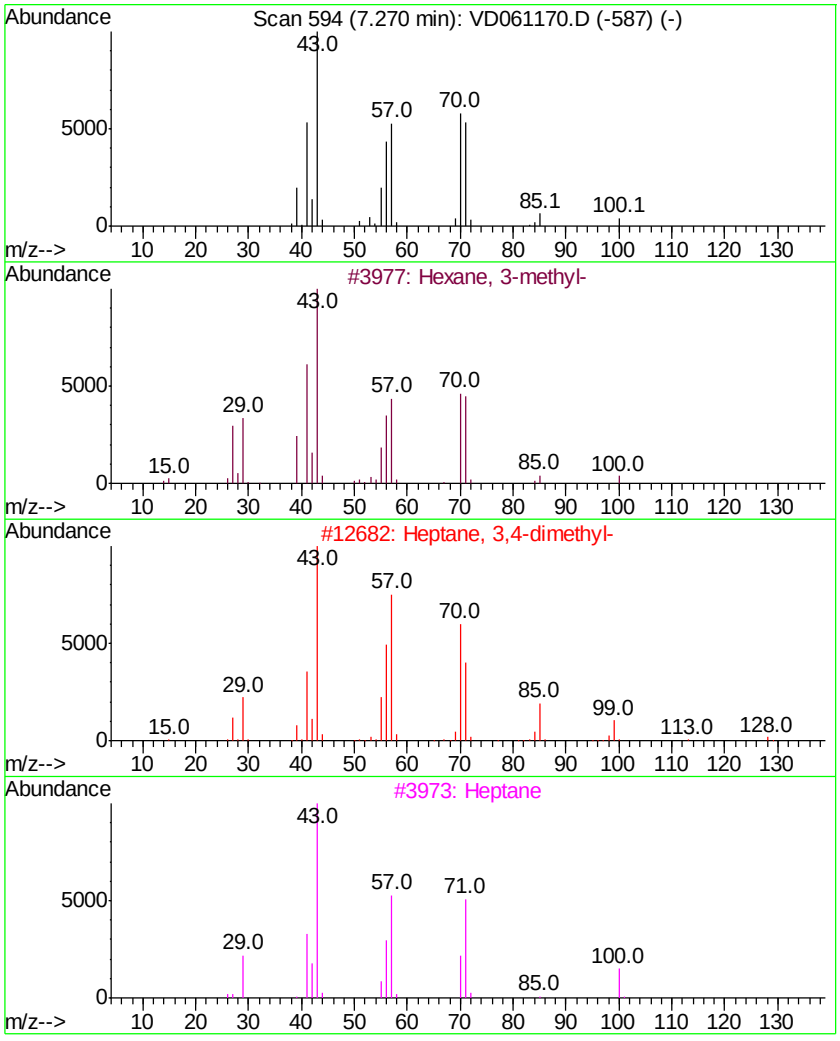
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

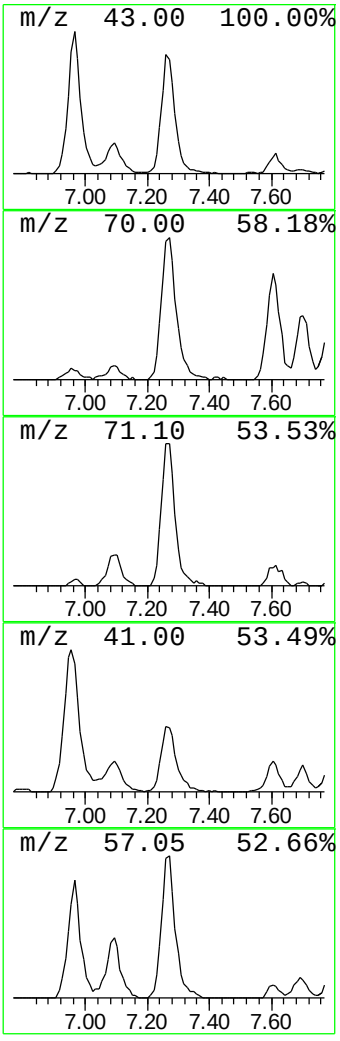
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	15.00 ug/l	561237	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	59
3	Heptane	100	C7H16	000142-82-5	53
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	53





Library Search Compound Report

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Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

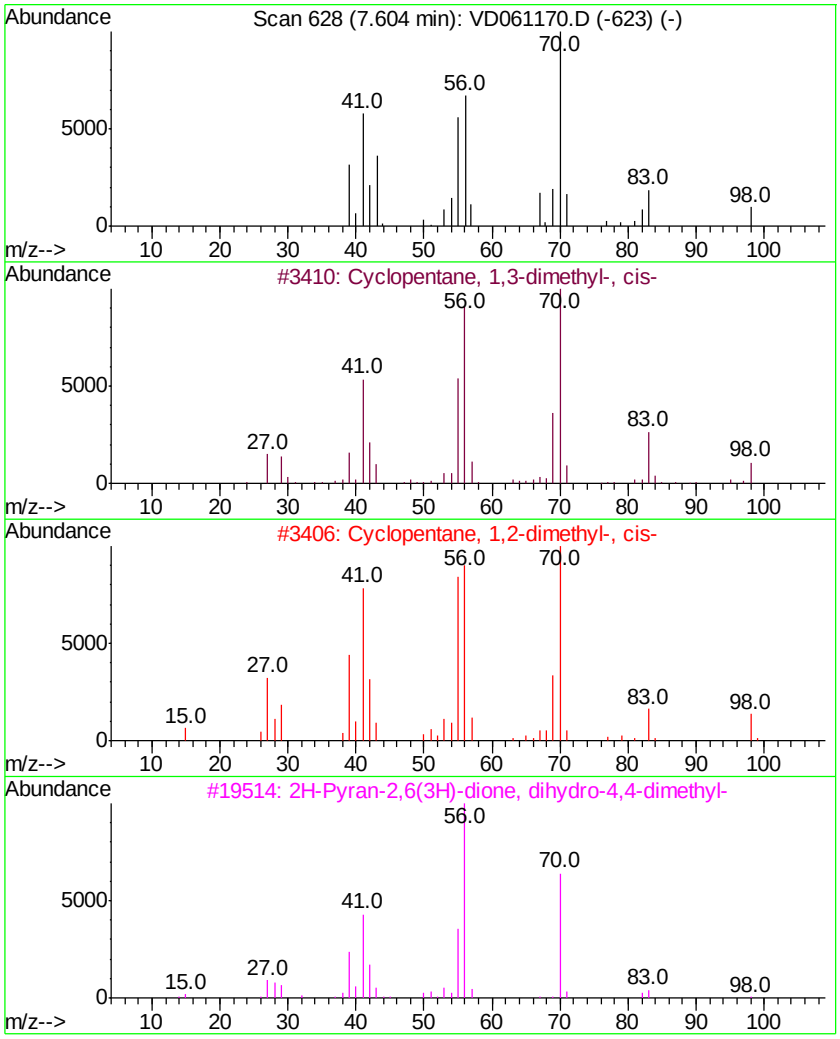
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

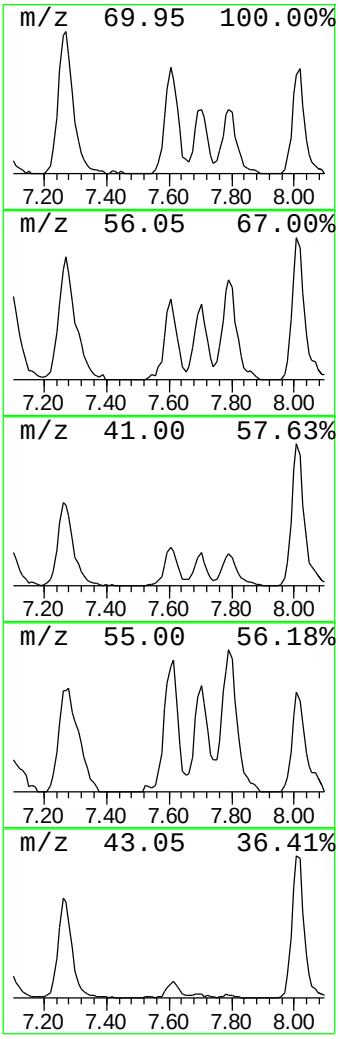
****

Peak Number 7 Cyclopentane, 1,3-dimethyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	6.46 ug/l	241705	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
3	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	64
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	62
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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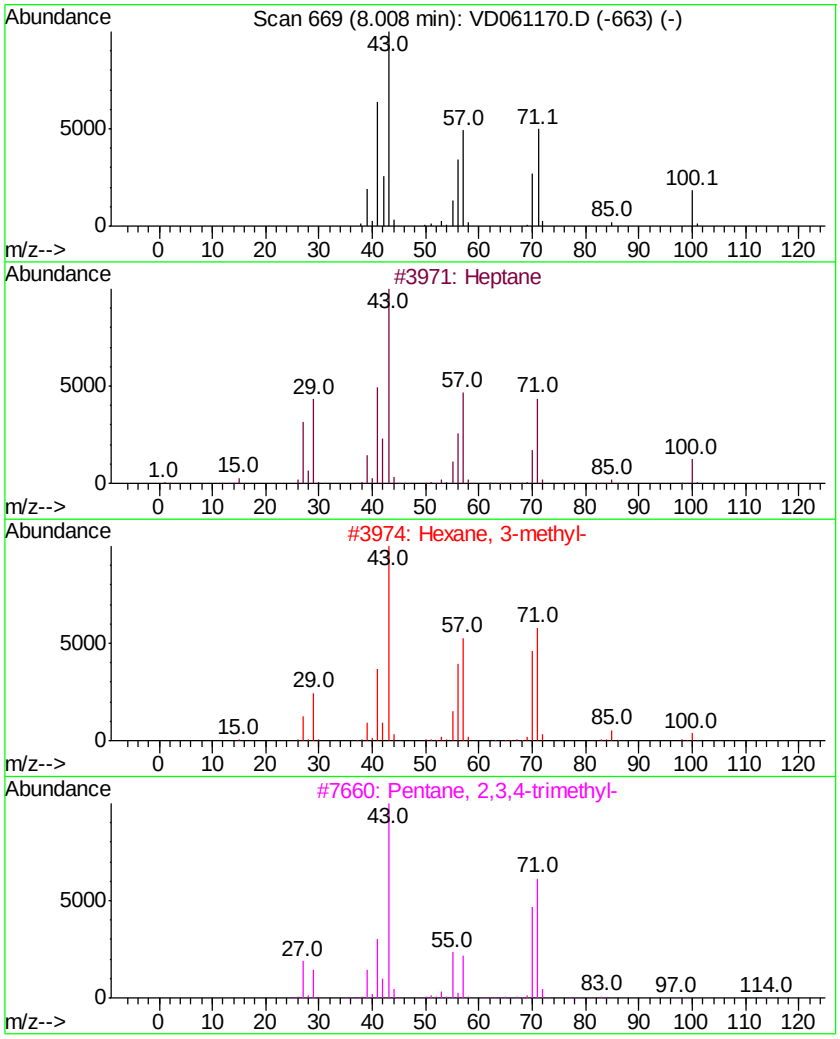
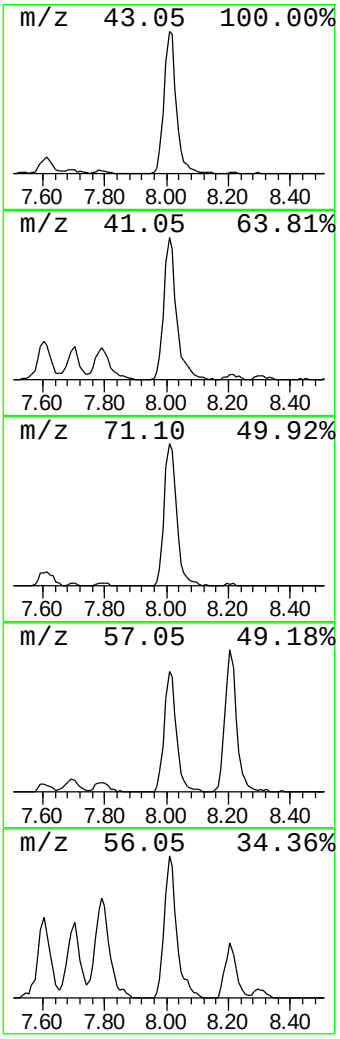
Peak Number 8 Heptane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	15.71 ug/l	652939	1,4-Difluorobenzene	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	90
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	50
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	47
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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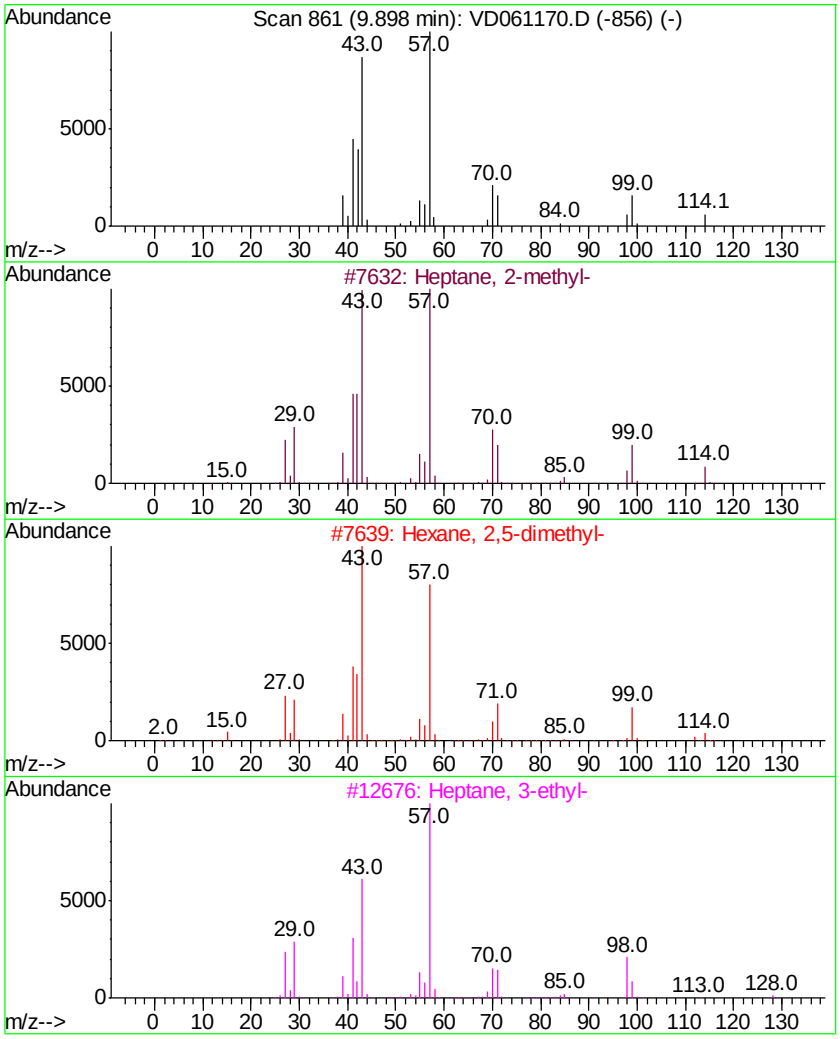
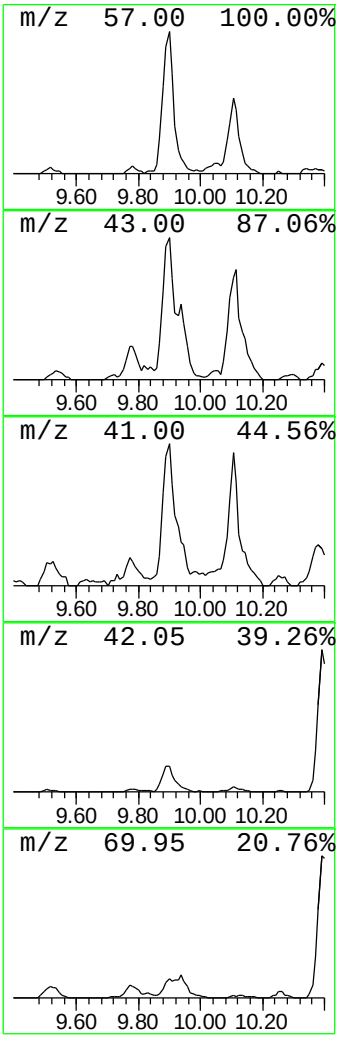
Peak Number 9 Heptane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	6.96 ug/l	289073	1,4-Difluorobenzene	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	95
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	40
4	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	38
5	Butane, 1-(ethenyloxy)-3-methyl-	114	C7H14O	039782-38-2	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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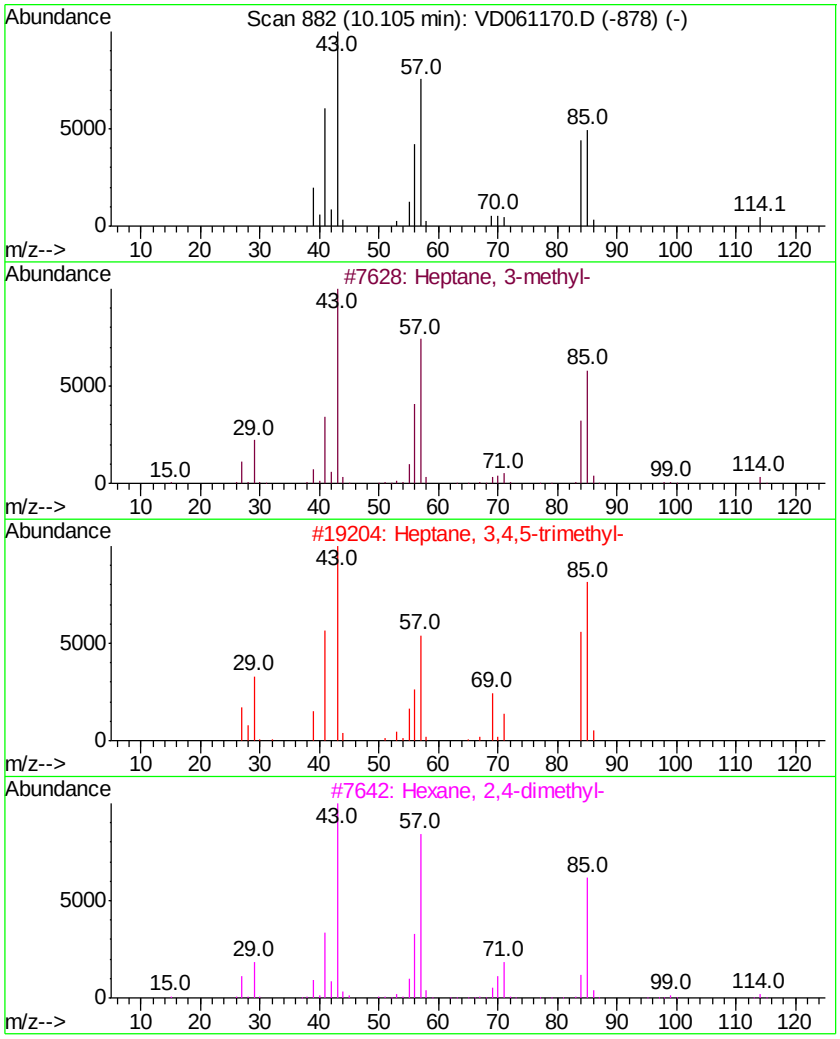
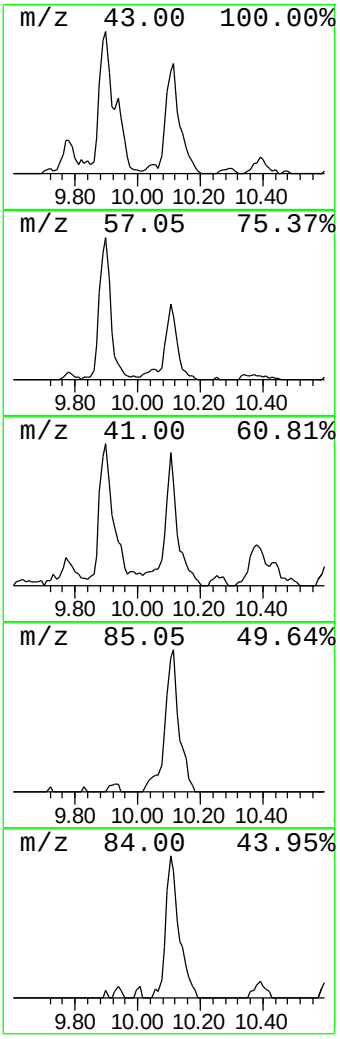
Peak Number 10 Heptane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	5.32 ug/l	220976	1,4-Difluorobenzene	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	59
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031819\
Data File : VD061170.D
Acq On : 19 Mar 2019 4:34
Operator : VA/AP
Sample : K1928-06
Misc : 6.65g/5ml/MSVOA_D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : A1-2-H1(2.5-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.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-methyl-	2.37	20.9	ug/l	782191	1	7.03	1870450	50.0
Pentane	2.64	25.9	ug/l	970124	1	7.03	1870450	50.0
Pentane, 3-methyl-	4.23	17.7	ug/l	661798	1	7.03	1870450	50.0
n-Hexane	4.70	24.1	ug/l	901463	1	7.03	1870450	50.0
Cyclopentane, met...	5.79	22.3	ug/l	832446	1	7.03	1870450	50.0
Hexane, 3-methyl-	7.27	15.0	ug/l	561237	1	7.03	1870450	50.0
Cyclopentane, 1,3...	7.60	6.5	ug/l	241705	1	7.03	1870450	50.0
Heptane	8.01	15.7	ug/l	652939	2	8.20	2077690	50.0
Heptane, 2-methyl-	9.90	7.0	ug/l	289073	2	8.20	2077690	50.0
Heptane, 3-methyl-	10.10	5.3	ug/l	220976	2	8.20	2077690	50.0