LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

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\82D052019S.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	1.829	37	41	67	rVB	1064069	3836834	2.50%	0.318%
2	2.351	87	94	116	rBV	14674689	124940765	81.49%	10.347%
3	2.646	116	124	152	rVB	12049154	114616773	74.75%	9.492%
4	2.961	152	156	157	rBV	3072397	5423365	3.54%	0.449%
5	3.876	230	249	251	rBV	24435901	153324139	100.00%	12.697%
6	4.712	327	334	335	rBV	10093655	29767046	19.41%	2.465%
7	5.569	416	421	423	rBV2	4489001	14579456	9.51%	1.207%
8	6.720	524	538	539	rBV4	9341548	53752947	35.06%	4.451%
9	11.385	1010	1012	1019	rVB4	15613789	38371558	25.03%	3.178%
10	11.552	1026	1029	1032	rVB	4262040	8405172	5.48%	0.696%
11	11.690	1036	1043	1046	rBV3	8347170	30353076	19.80%	2.514%
12	12.300	1093	1105	1106	rBV5	11640361	56360721	36.76%	4.667%
13	12.585	1128	1134	1135	rBV	16627114	42548780	27.75%	3.524%
14	12.743	1145	1150	1151	rBV3	13105208	26275834	17.14%	2.176%
15	12.930	1165	1169	1171	rBV2	5843667	11447162	7.47%	0.948%
16	12.989	1171	1175	1178	rVV4	3551049	8502199	5.55%	0.704%
17	13.038	1178	1180	1182	rVV2	7567260	14540004	9.48%	1.204%
18	13.126	1185	1189	1194	rVV4	6507632	22880472	14.92%	1.895%
19	13.205	1194	1197	1199	rVV3	3391779	7384739	4.82%	0.612%
20	13.264	1199	1203	1207	rVV4	6982972	19875137	12.96%	1.646%
21	13.343	1207	1211	1216	rVV5	6385999	19270099	12.57%	1.596%
22	13.441	1216	1221	1225	rVV	19074386	46627631	30.41%	3.861%
23	13.510	1225	1228	1231	rVV3	4496738	12106740	7.90%	1.003%
24	13.609	1232	1238	1241	rVV3	8956414	28759445	18.76%	2.382%
25	13.687	1244	1246	1249	rVV	6585923	10385755	6.77%	0.860%
26	13.746	1249	1252	1253	rVV	1732641	2714470	1.77%	0.225%
27	13.796	1253	1257	1260	rVV	14737606	31041357	20.25%	2.571%
28	13.855	1260	1263	1264	rVV2	1643890	2863732	1.87%	0.237%
29	13.914	1264	1269	1271	rVV	18850459	42272035	27.57%	3.501%
30	13.963	1271	1274	1280	rVB2	20748008	47586391	31.04%	3.941%
31	14.101	1284	1288	1291	rBV	13336956	21651155	14.12%	1.793%
32	14.268	1300	1305	1309	rVB	23269493	64976995	42.38%	5.381%
33	14.376	1312	1316	1318	rVB2	2285844	4495236	2.93%	0.372%
34	14.445	1318	1323	1325	rBV2	2041928	3379257	2.20%	0.280%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

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\82D052019S.M
Title : SW846 8260

35	14.563	1332	1335	1340	rBV	12984718	21358540	13.93%	1.769%
36	14.711	1347	1350	1354	rBV2	11439850	18543192	12.09%	1.536%
37	14.780	1354	1357	1362	rVV2	9860279	15319441	9.99%	1.269%
38	14.908	1368	1370	1374	rVV	2402706	3121951	2.04%	0.259%
39	14.976	1374	1377	1378	rVV	3896547	5073628	3.31%	0.420%
40	14.996	1378	1379	1382	rVV	2771684	3524093	2.30%	0.292%
41	15.055	1382	1385	1387	rVV	5063170	6256021	4.08%	0.518%
42	15.134	1391	1393	1398	rVB2	2249802	3214673	2.10%	0.266%
43	15.341	1409	1414	1416	rBV	1551867	2178750	1.42%	0.180%
44	15.370	1416	1417	1420	rVB	1963763	2026023	1.32%	0.168%
45	15.665	1444	1447	1451	rVB	1268602	1603502	1.05%	0.133%

Sum of corrected areas: 1207536291

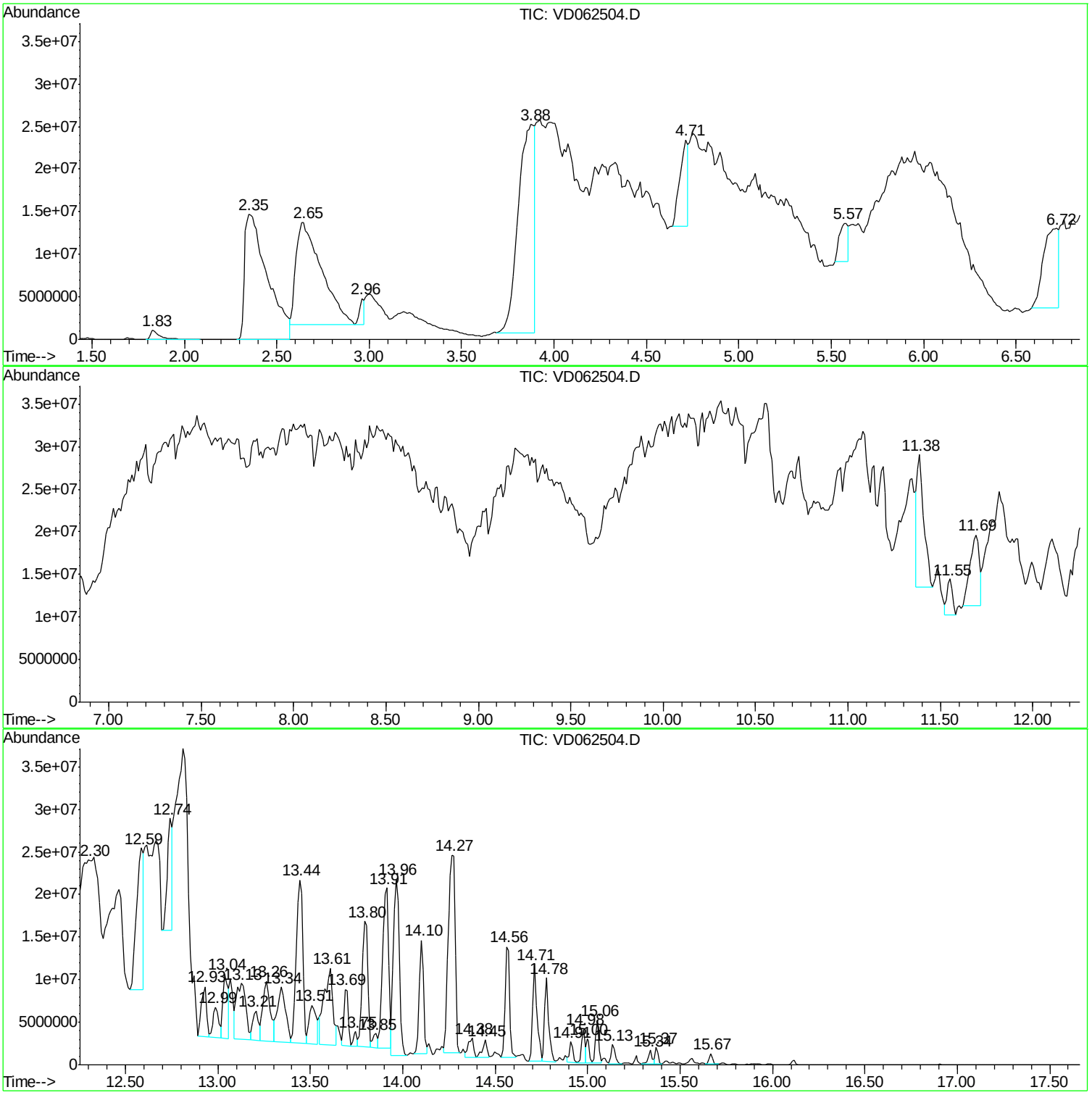
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

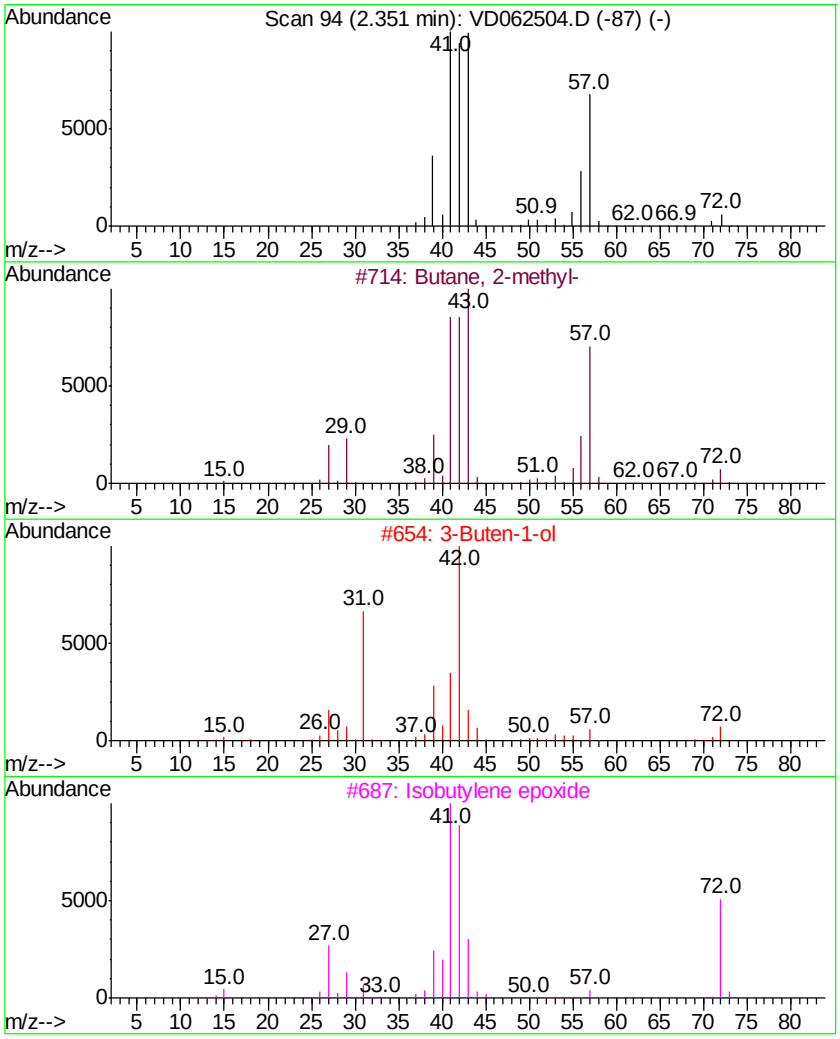
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

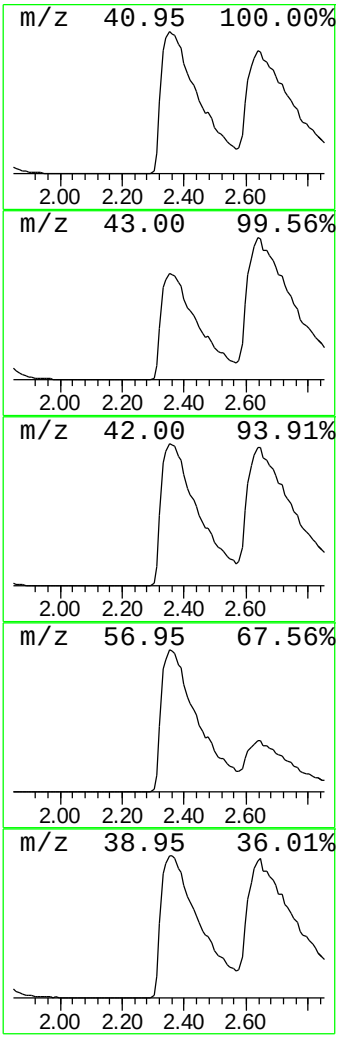
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.35	116.22 ug/l	124941000	Pentafluorobenzene	7.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Isobutylene epoxide	72	C4H8O	000558-30-5	40
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	38
5	Pentane	72	C5H12	000109-66-0	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

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

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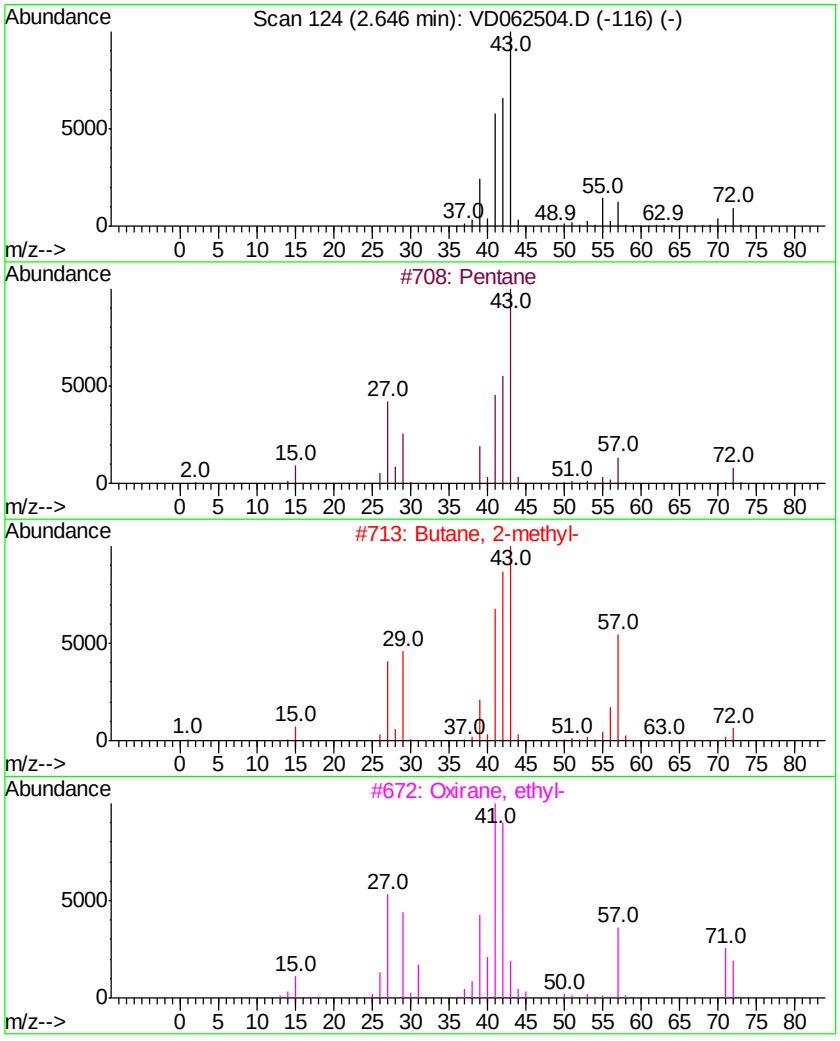
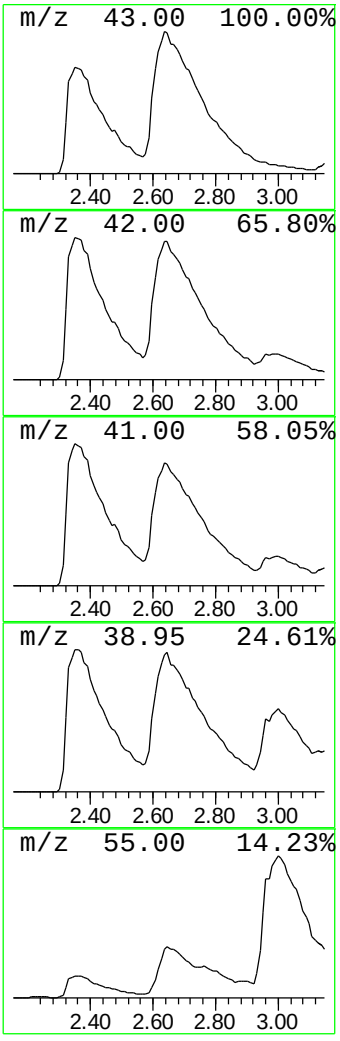
Peak Number 2 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.65	106.61 ug/l	114617000	Pentafluorobenzene	7.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Butane, 2-methyl-	72	C5H12	000078-78-4	59
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	25
4	Isobutyl nitrite	103	C4H9NO2	000542-56-3	17
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	17





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

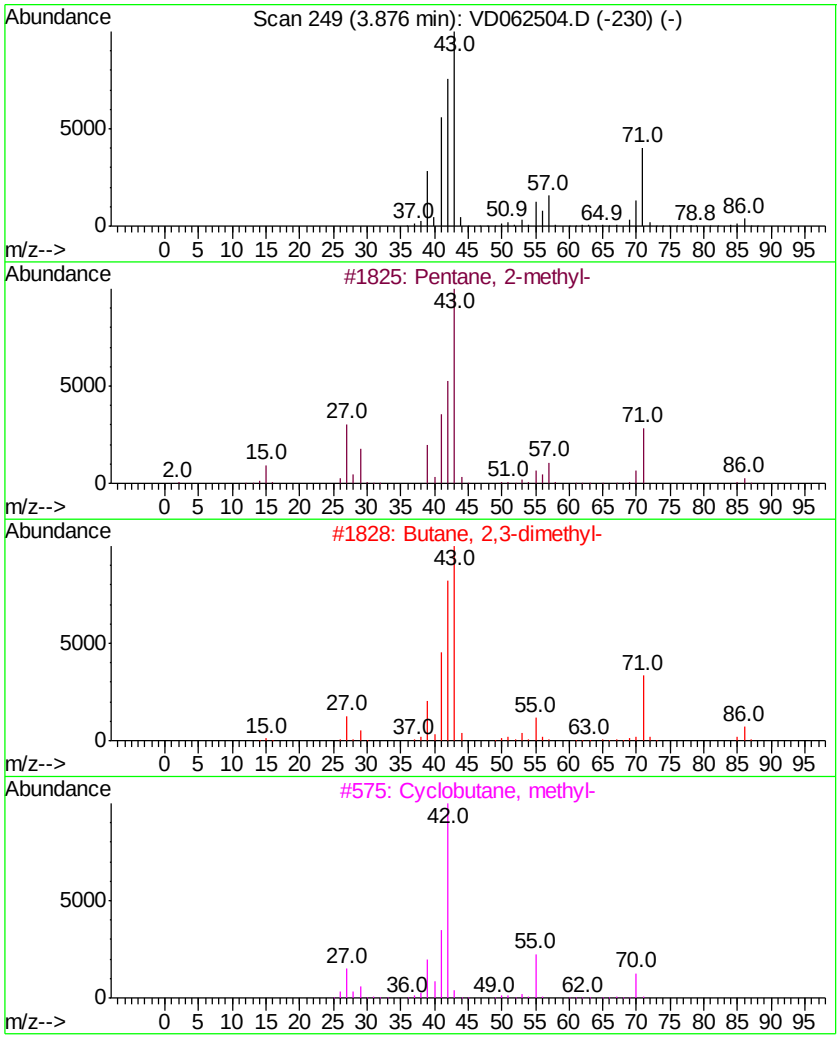
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

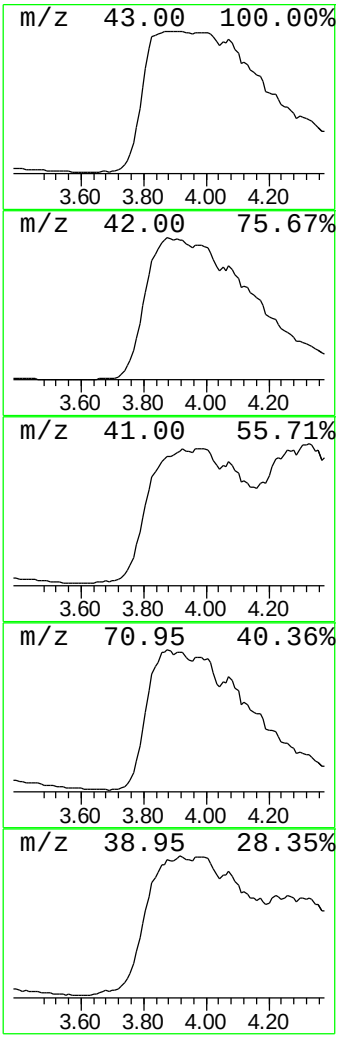
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	142.62 ug/l	153324000	Pentafluorobenzene	7.13

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	80
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	38
4	Pentane	72	C5H12	000109-66-0	37
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

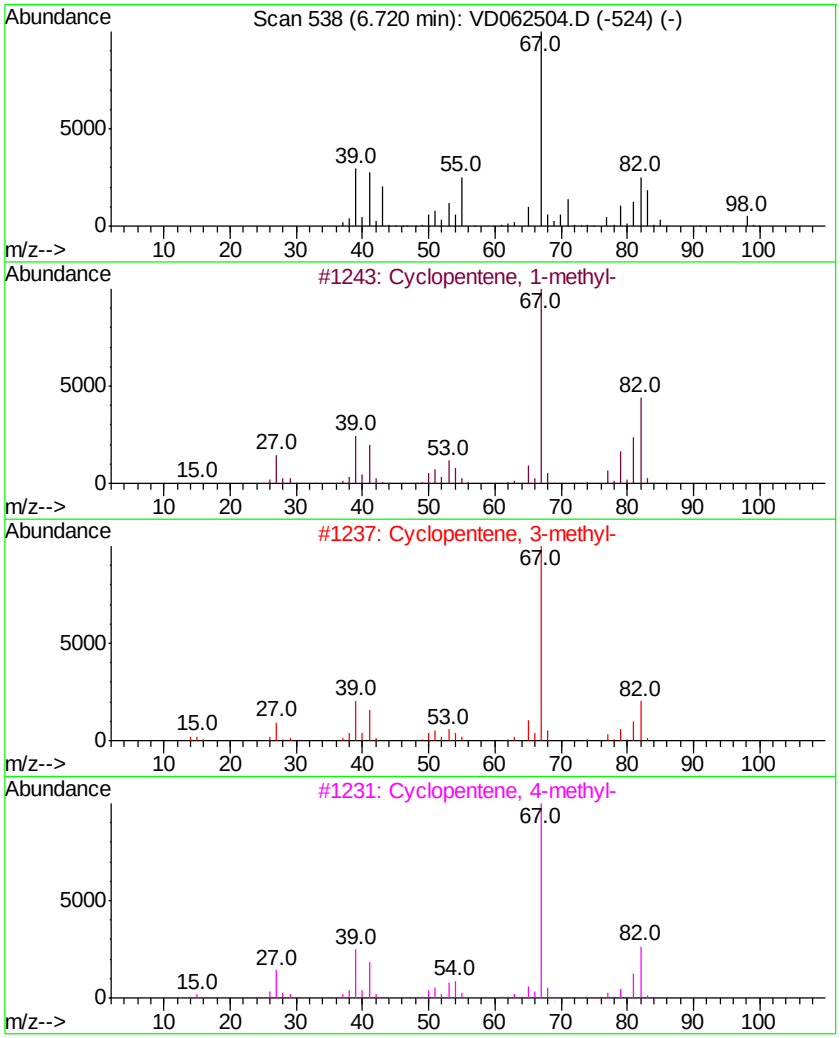
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

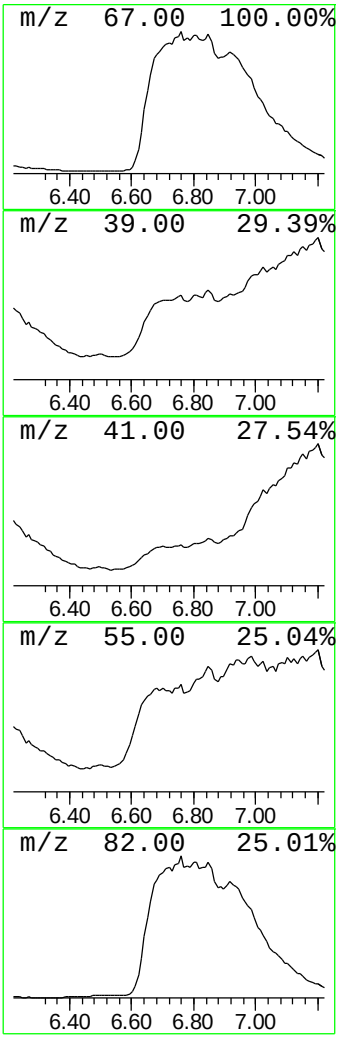
****

Peak Number 4 Cyclopentene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	50.00 ug/l	53752900	Pentafluorobenzene	7.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	76
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	76
3	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	74
4	Cyclopentane, methylene-	82	C6H10	001528-30-9	64
5	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

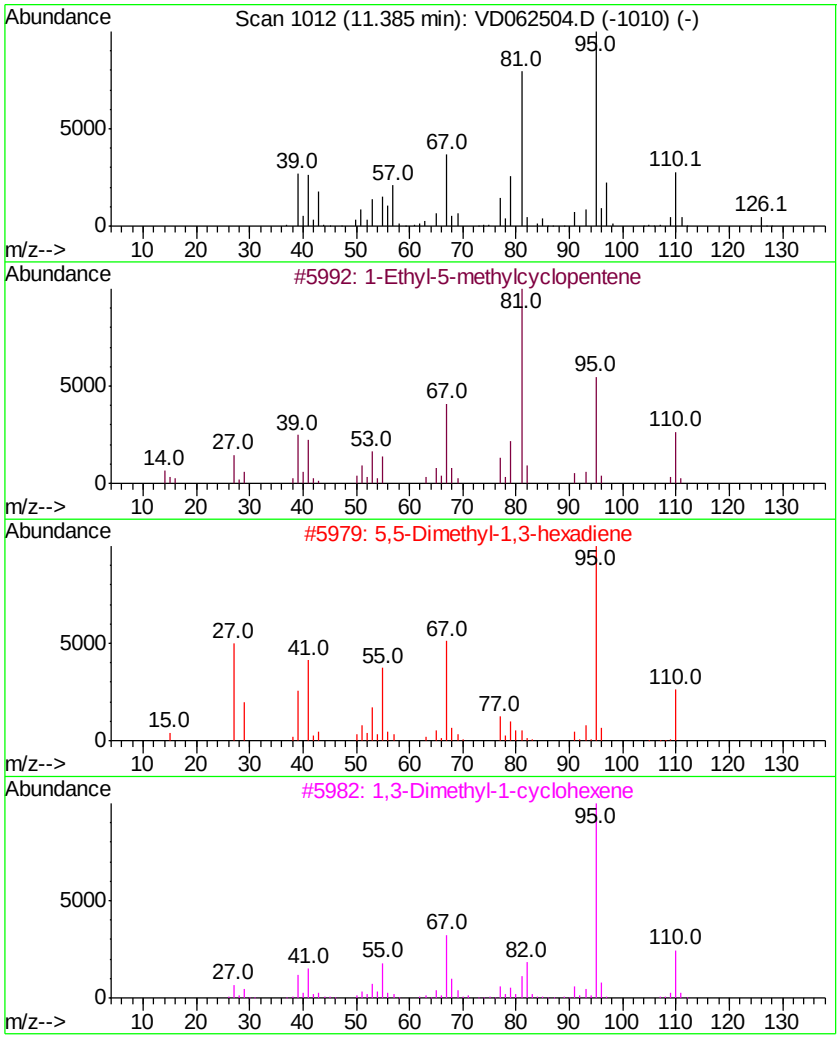
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

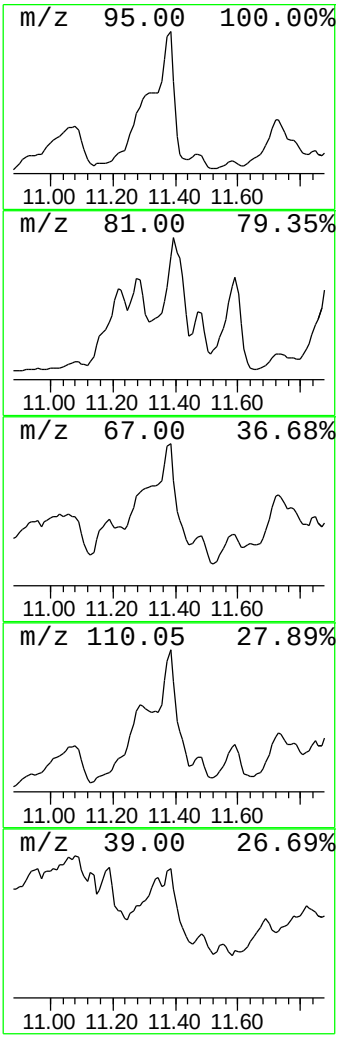
****

Peak Number 5 1-Ethyl-5-methylcyclopentene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	45.09 ug/l	38371600	Chlorobenzene-d5	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	58
2	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	50
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	46
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	43
5	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	43





Library Search Compound Report

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Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

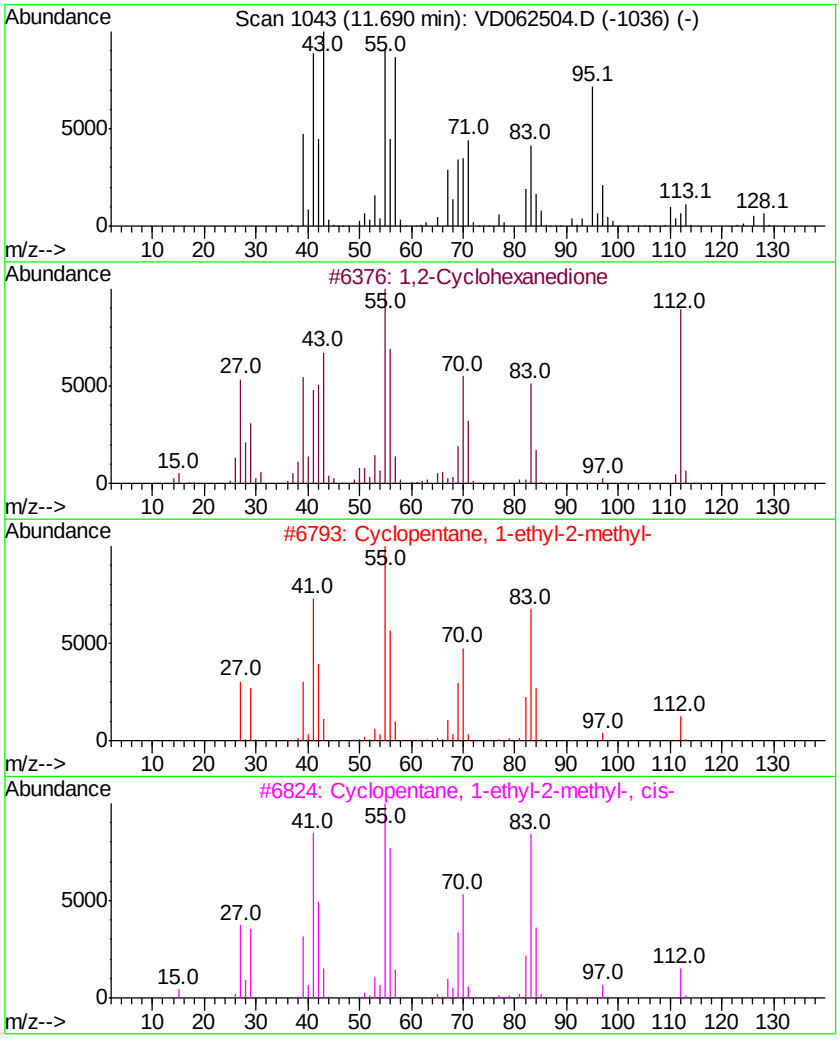
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

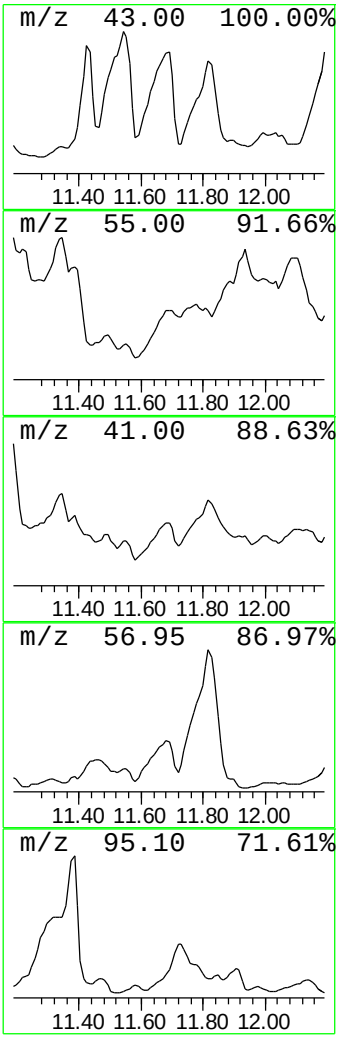
****

Peak Number 6 unknown11.69 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	35.67 ug/l	30353100	Chlorobenzene-d5	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	46
2	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	43
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
4	n-Tridecan-1-ol	200	C13H28O	000112-70-9	38
5	Hexyl octyl ether	214	C14H30O	017071-54-4	35





Library Search Compound Report

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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

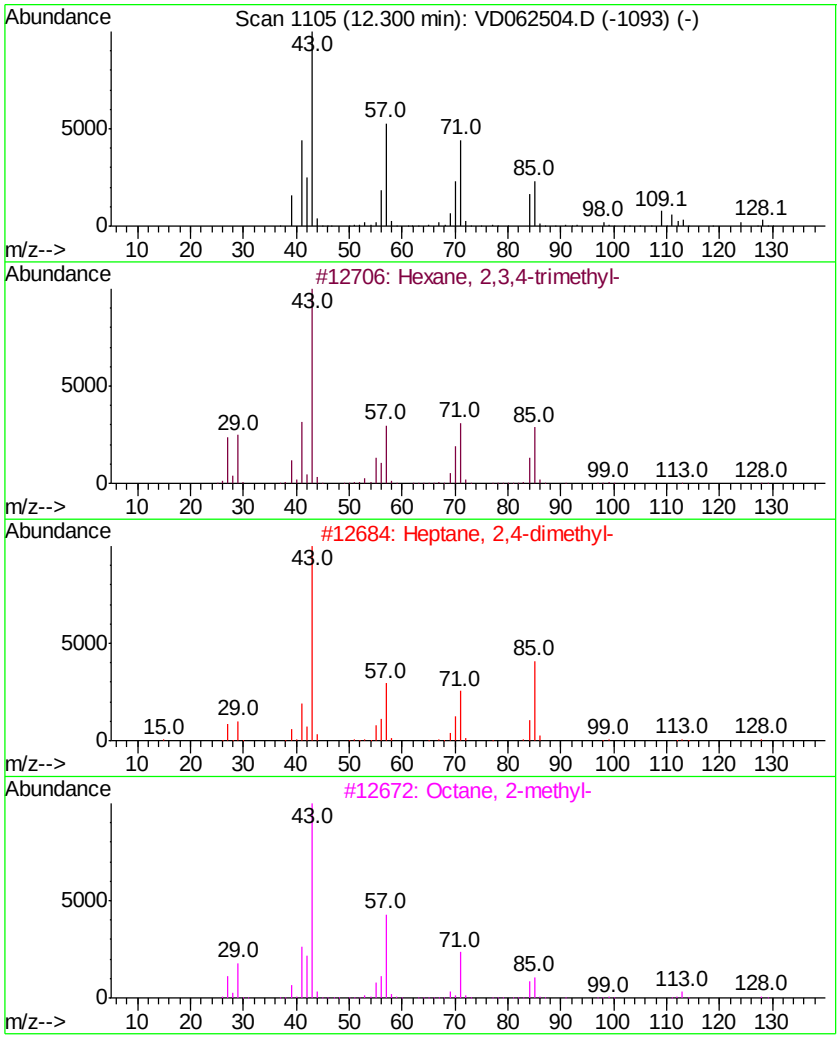
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

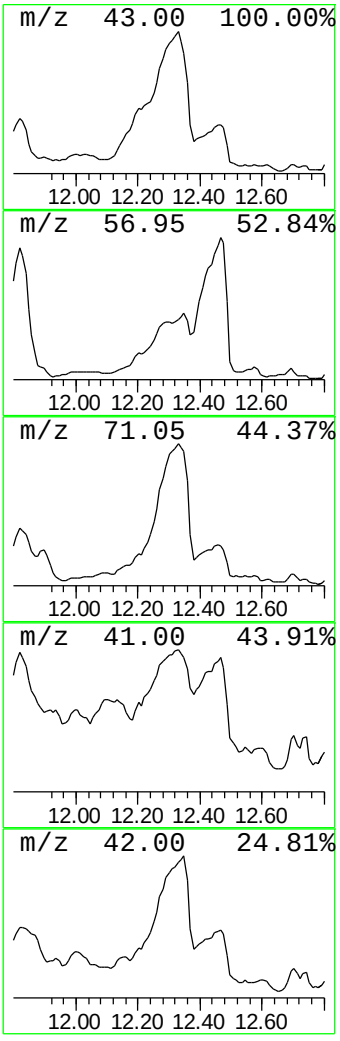
****

Peak Number 7 Hexane, 2,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	66.23 ug/l	56360700	Chlorobenzene-d5	12.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	72
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Octane, 2-methyl-	128	C9H20	003221-61-2	64
4	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	64
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

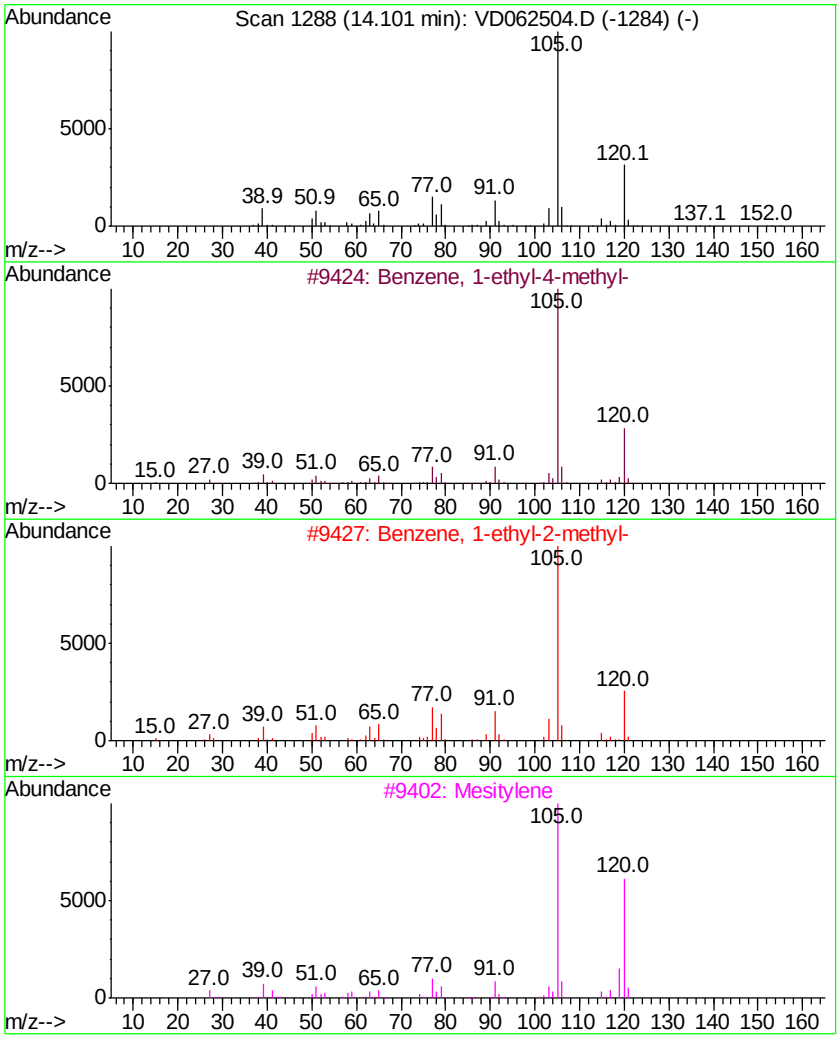
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

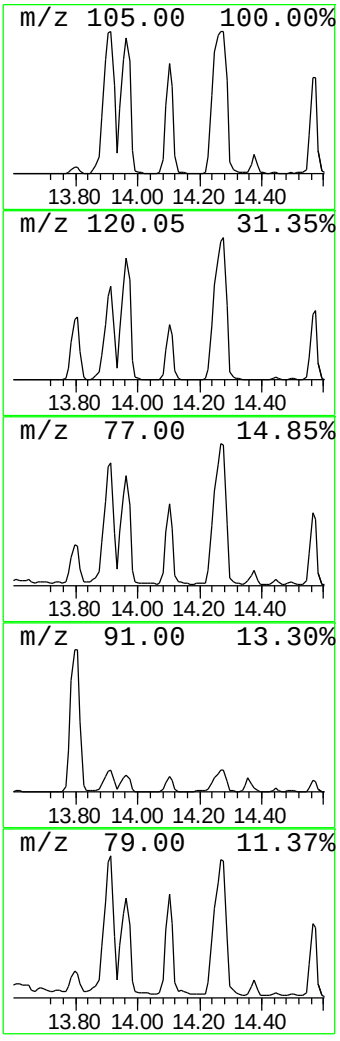
****

Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	50.69 ug/l	21651200	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

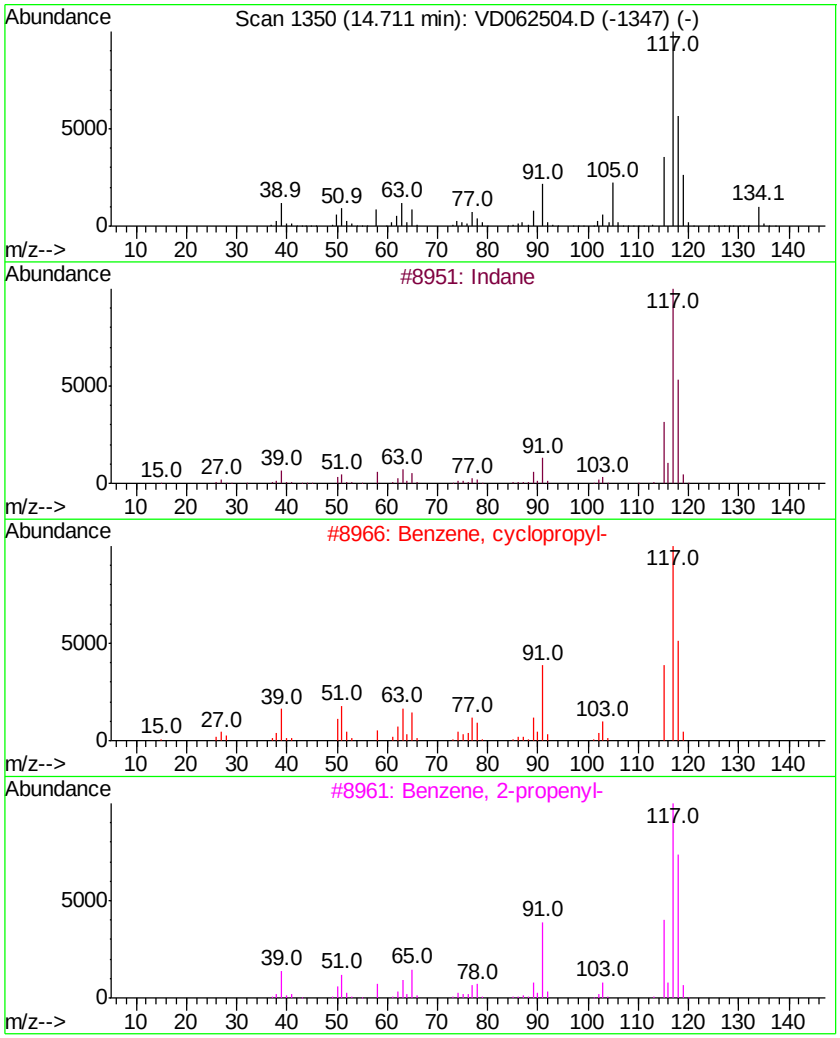
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

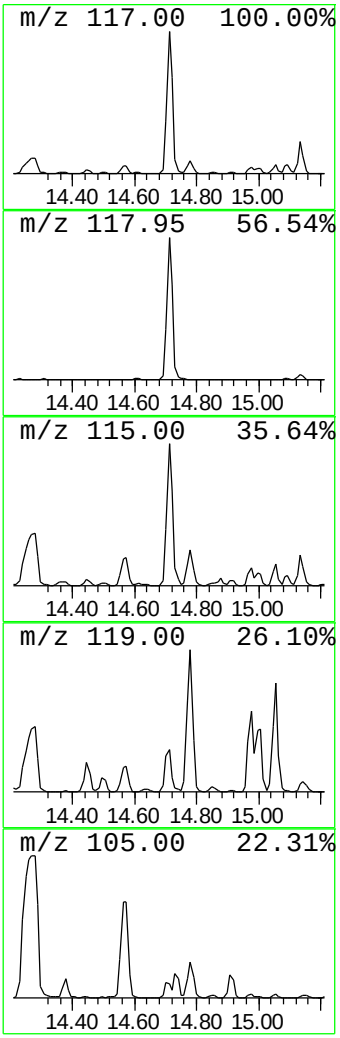
****

Peak Number 10 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	43.41 ug/l	18543200	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
4	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052219\
Data File : VD062504.D
Acq On : 22 May 2019 15:54
Operator : VA/AP
Sample : K2996-03
Misc : 5.40g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(4.5-5.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.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-	2.35	116.2	ug/l	124941000	1	7.13	53752900	50.0
Pentane	2.65	106.6	ug/l	114617000	1	7.13	53752900	50.0
Pentane, 2-methyl-	3.88	142.6	ug/l	153324000	1	7.13	53752900	50.0
Cyclopentene, 1-m...	6.72	50.0	ug/l	53752900	1	7.13	53752900	50.0
1-Ethyl-5-methylc...	11.38	45.1	ug/l	38371600	3	12.49	42548800	50.0
unknown11.69	11.69	35.7	ug/l	30353100	3	12.49	42548800	50.0
Hexane, 2,3,4-tri...	12.30	66.2	ug/l	56360700	3	12.49	42548800	50.0
Benzene, 1-ethyl-...	14.10	50.7	ug/l	21651200	4	14.52	21358500	50.0
Indane	14.71	43.4	ug/l	18543200	4	14.52	21358500	50.0