LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
Data File : VD060550.D
Acq On : 12 Dec 2018 16:42
Operator : VA/AP
Sample : J6194-05
Misc : 6.64/g5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-121118

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\82D120518S.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	3.165	162	167	173	rBV	30984	96752	1.94%	0.239%
2	3.726	218	224	244	rVB	312338	979596	19.61%	2.418%
3	6.324	481	488	492	rBV	806576	2162643	43.30%	5.338%
4	6.402	492	496	516	rVB	1405027	3757487	75.23%	9.274%
5	6.776	529	534	550	rBV	559787	1461132	29.25%	3.606%
6	7.436	595	601	617	rBV	1925523	4571091	91.52%	11.282%
7	8.754	734	735	737	rBV	79365	51561	1.03%	0.127%
8	9.443	799	805	812	rBV	2026506	4577830	91.65%	11.299%
9	9.542	812	815	824	rVB	147469	320301	6.41%	0.791%
10	11.274	987	991	1003	rBV	2655897	4318714	86.46%	10.659%
11	11.520	1012	1016	1024	rBV2	156424	321586	6.44%	0.794%
12	12.130	1074	1078	1084	rVB	345735	597809	11.97%	1.475%
13	12.258	1088	1091	1099	rVB	1599301	2538619	50.82%	6.266%
14	12.425	1104	1108	1113	rBV	1818592	2780676	55.67%	6.863%
15	12.514	1113	1117	1121	rBV	3292851	4994861	100.00%	12.328%
16	12.770	1138	1143	1146	rBV3	34719	72030	1.44%	0.178%
17	12.838	1146	1150	1156	rVB	487197	706821	14.15%	1.745%
18	13.301	1194	1197	1200	rBV	895497	1113482	22.29%	2.748%
19	13.370	1200	1204	1208	rVV	2452513	3478890	69.65%	8.586%
20	13.439	1208	1211	1217	rVB	200624	319667	6.40%	0.789%
21	14.964	1363	1366	1369	rBV	277285	318804	6.38%	0.787%
22	15.348	1398	1405	1409	rBV2	24790	52553	1.05%	0.130%
23	15.486	1416	1419	1424	rBV	423054	634775	12.71%	1.567%
24	15.761	1444	1447	1450	rVB	132790	175467	3.51%	0.433%
25	15.899	1459	1461	1464	rBV	89347	112732	2.26%	0.278%

Sum of corrected areas: 40515879

LSC Report - Integrated Chromatogram

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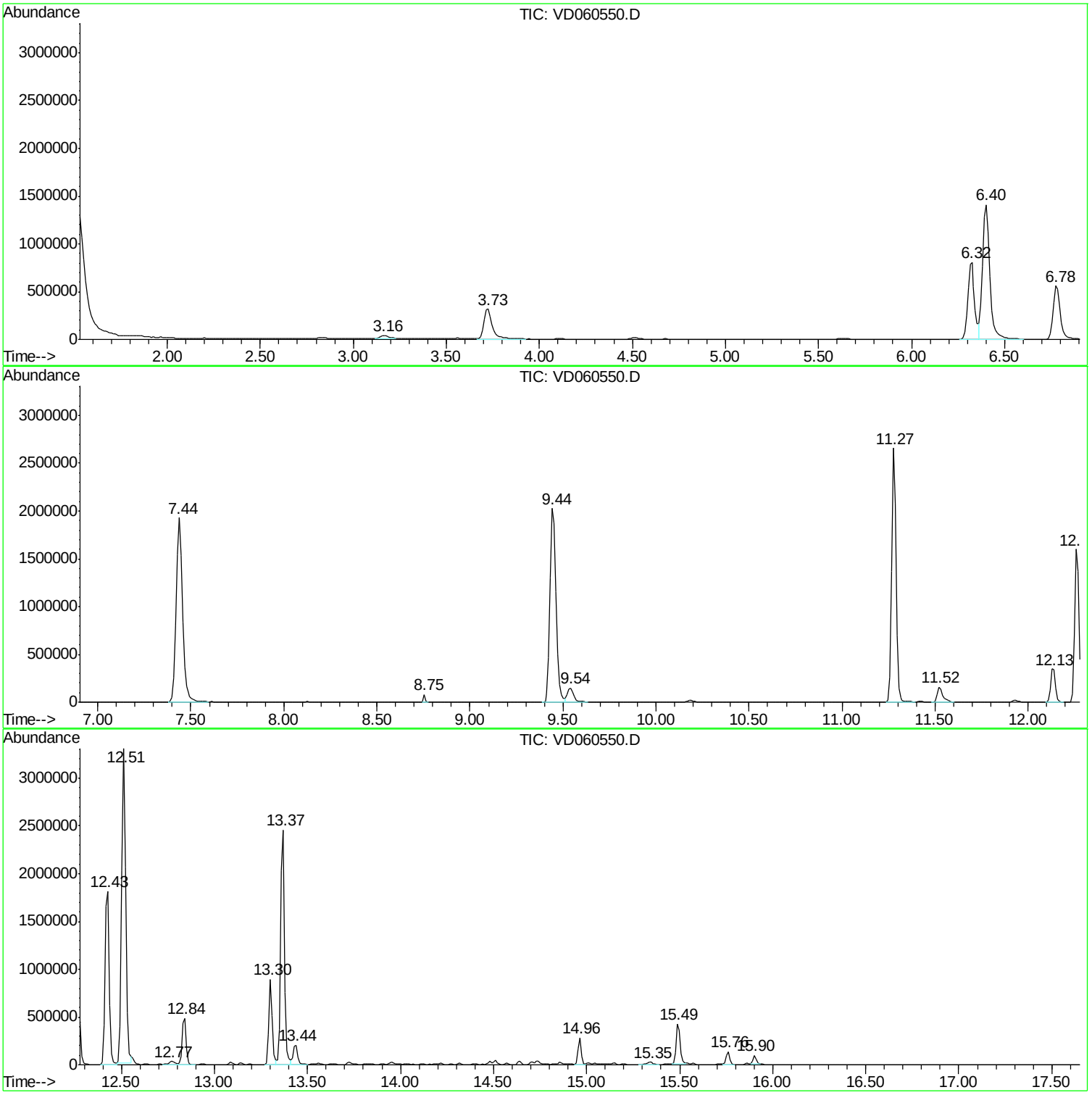
Misc : 6.64/g5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-121118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Data File : VD060550.D
Acq On : 12 Dec 2018 16:42
Operator : VA/AP
Sample : J6194-05
Misc : 6.64/q5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-121118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

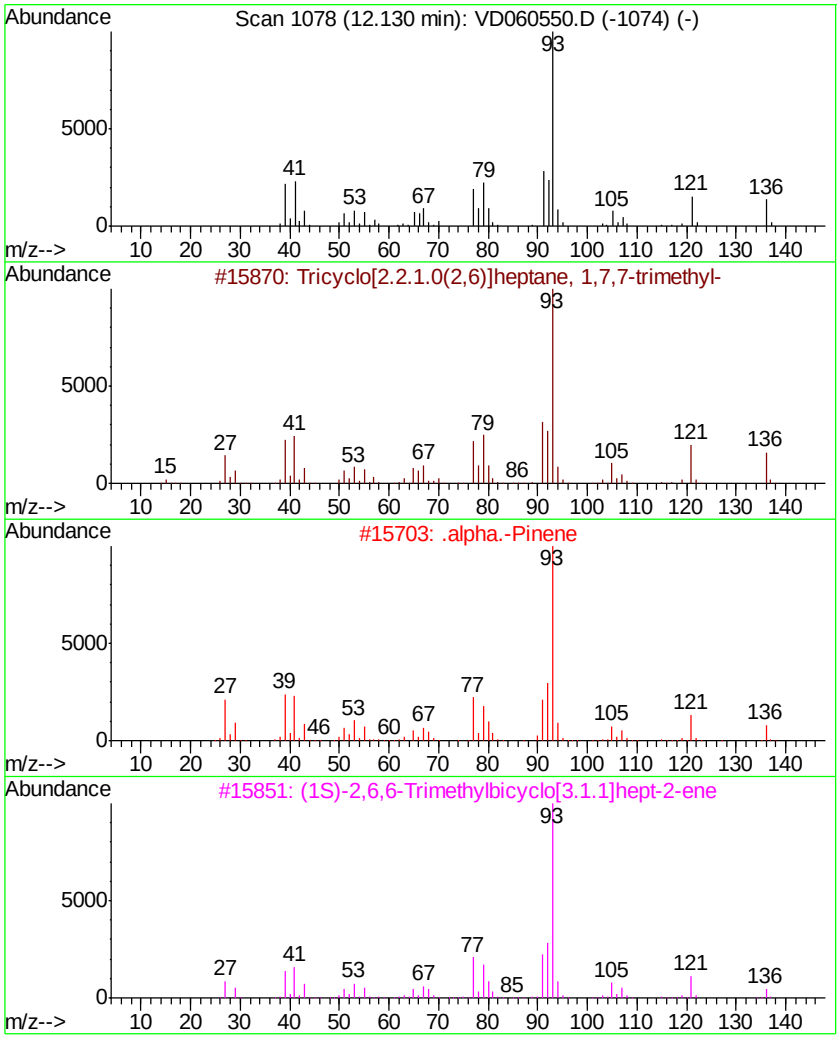
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

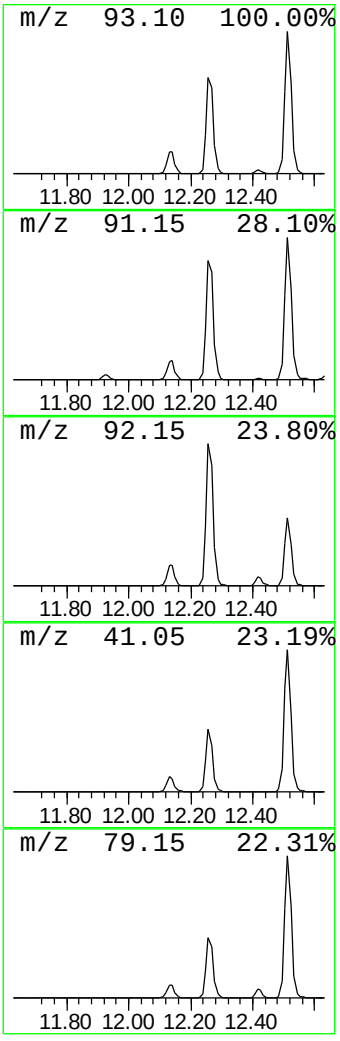
****

Peak Number 1 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	6.92 ug/l	597809	Chlorobenzene-d5	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	96
2	.alpha.-Pinene	136	C10H16	000080-56-8	94
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	94
4	3-Carene	136	C10H16	013466-78-9	93
5	4-Carene, (1S,3R,6R)-(-)-	136	C10H16	005208-49-1	91





Library Search Compound Report

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Operator : VA/AP
Sample : J6194-05
Misc : 6.64/q5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-121118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

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

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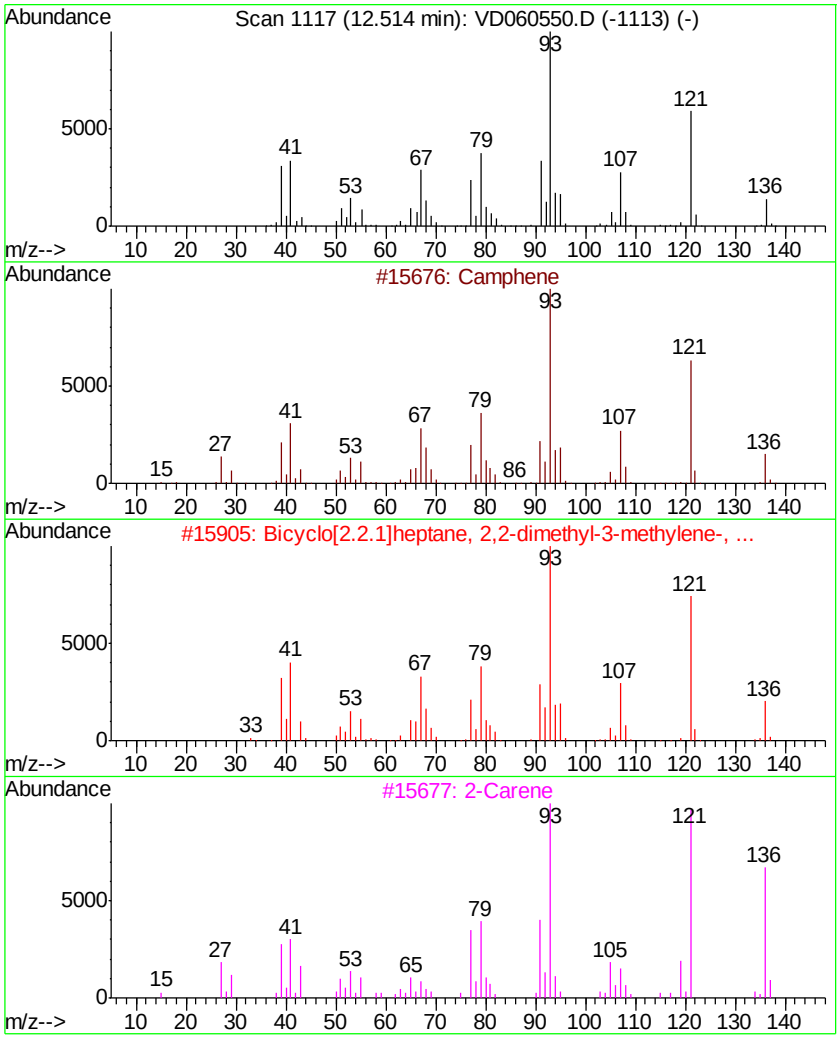
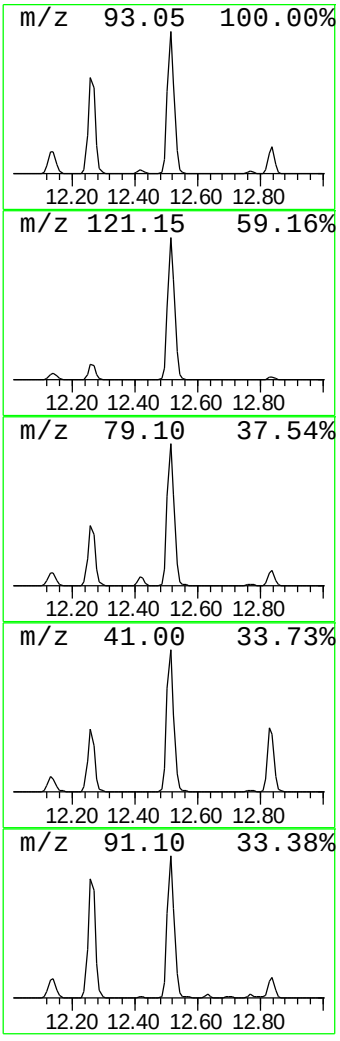
Peak Number 2 Camphene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	71.79 ug/l	4994860	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	97
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	97
3	2-Carene	136	C10H16	000554-61-0	87
4	(+)-4-Carene	136	C10H16	029050-33-7	87
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
Data File : VD060550.D
Acq On : 12 Dec 2018 16:42
Operator : VA/AP
Sample : J6194-05
Misc : 6.64/q5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-121118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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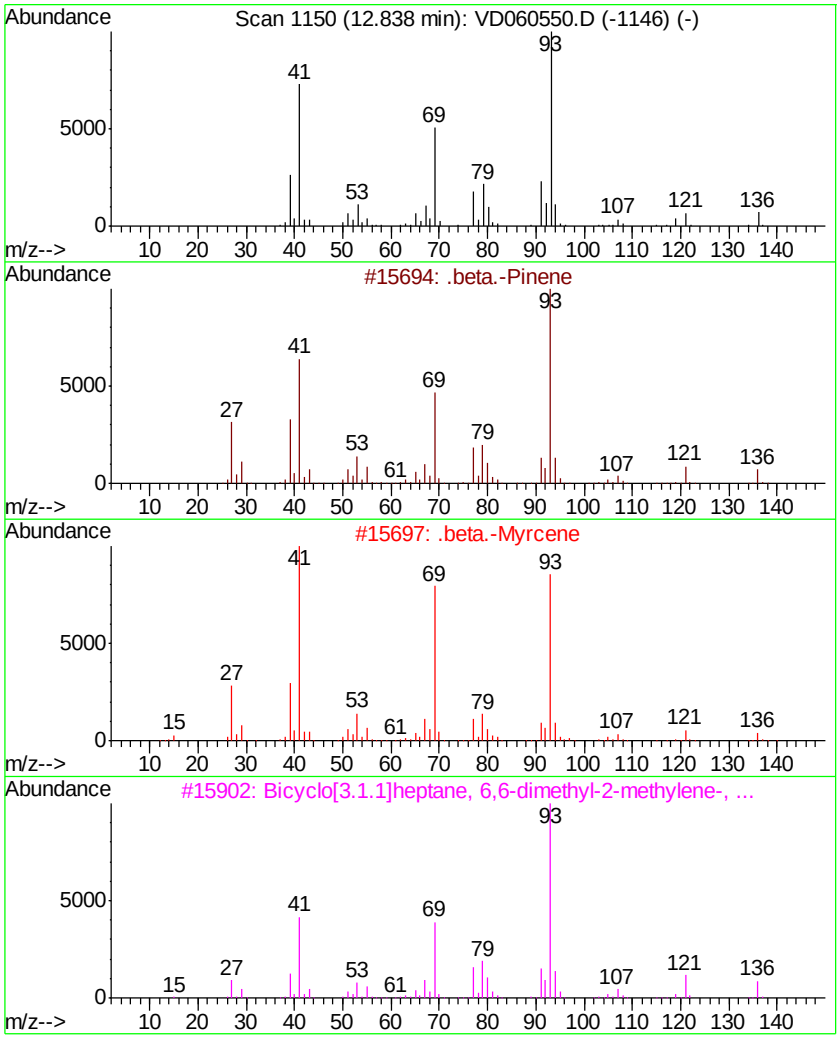
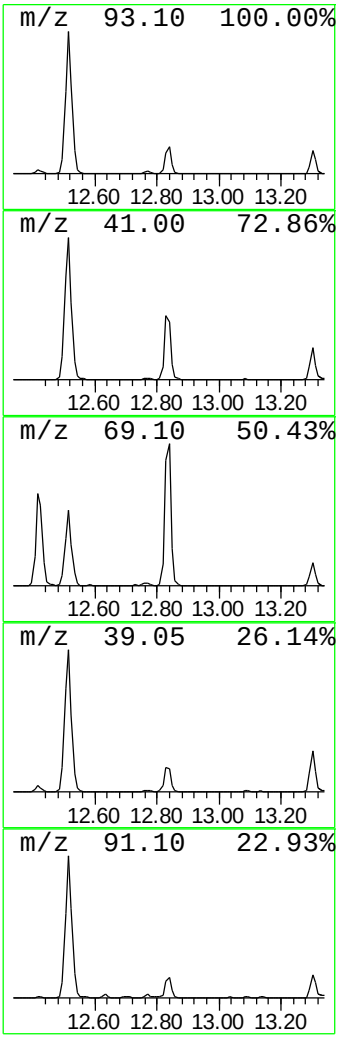
Peak Number 3 .beta.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	10.16 ug/l	706821	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	95
2	.beta.-Myrcene	136	C10H16	000123-35-3	86
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	83
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	80
5	.beta.-Phellandrene	136	C10H16	000555-10-2	72





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Operator : VA/AP
Sample : J6194-05
Misc : 6.64/q5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-121118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

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

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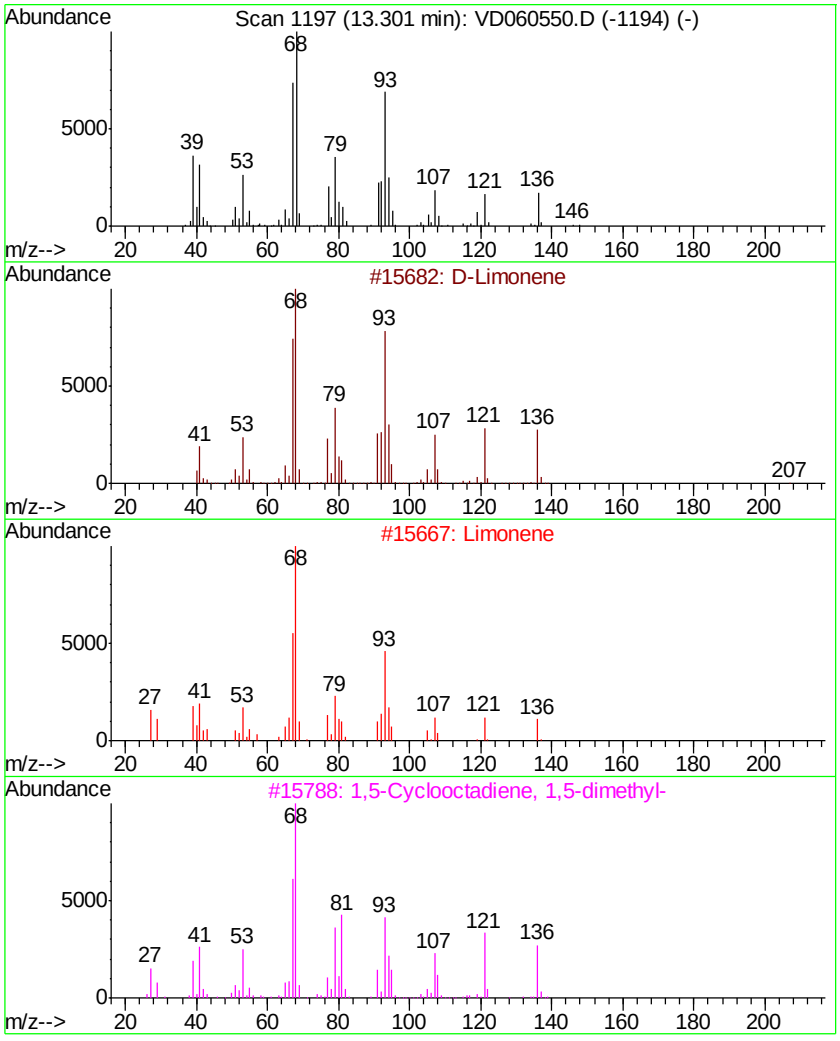
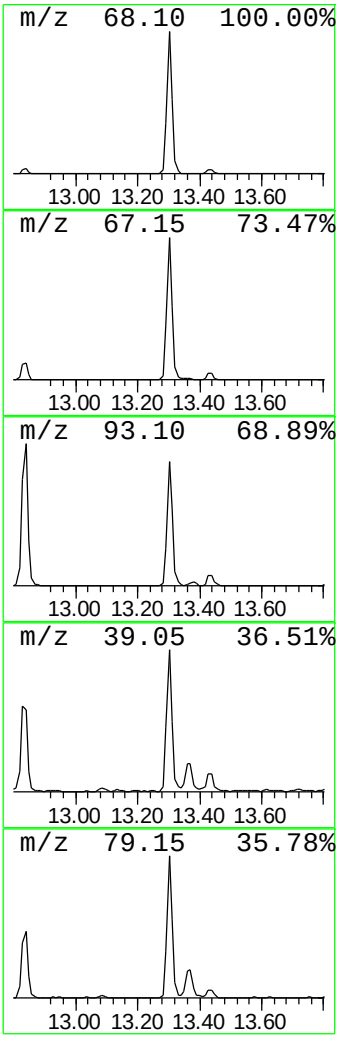
Peak Number 4 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	16.00 ug/l	1113480	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	Limonene	136	C10H16	000138-86-3	86
3	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	80
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	74
5	Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	72





Library Search Compound Report

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Misc : 6.64/q5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-121118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260

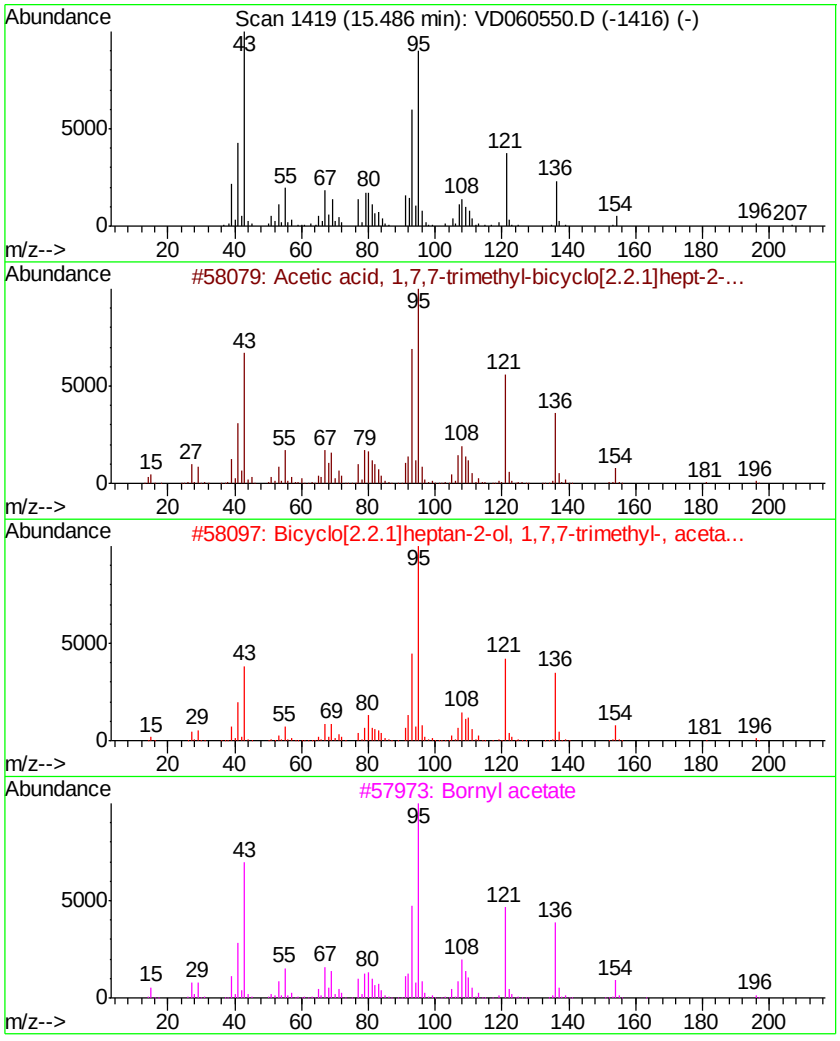
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

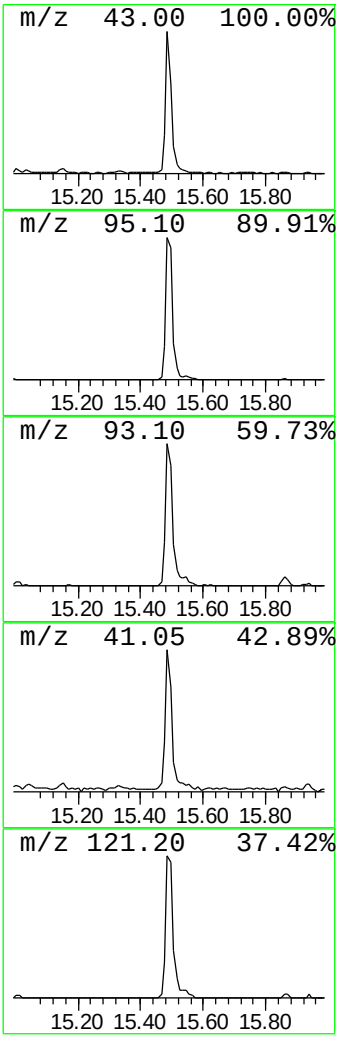
****

Peak Number 5 Acetic acid, 1,7,7-trimethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	9.12 ug/l	634775	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	98
2	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	196	C12H20O2	005655-61-8	98
3	Bornyl acetate	196	C12H20O2	000076-49-3	97
4	Isoborneol,heptafluorobutyrate (...	350	C14H17F7O2	1000245-88-3	72
5	Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	50





Tentatively Identified Compound (LSC) summary

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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
Tricyclo[2.2.1.0(...	12.13	6.9	ug/l	597809	3	11.27	4318710	50.0
Camphene	12.51	71.8	ug/l	4994860	4	13.37	3478890	50.0
.beta.-Pinene	12.84	10.2	ug/l	706821	4	13.37	3478890	50.0
D-Limonene	13.30	16.0	ug/l	1113480	4	13.37	3478890	50.0
Acetic acid, 1,7,...	15.49	9.1	ug/l	634775	4	13.37	3478890	50.0