LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

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\82D080919S.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	1.490	3	6	22	rVB	1044248	3081402	100.00%	19.860%
2	1.824	37	40	47	rVB3	28293	76922	2.50%	0.496%
3	2.878	143	147	151	rBV2	16768	43889	1.42%	0.283%
4	3.222	177	182	191	rBV	156519	404680	13.13%	2.608%
5	3.813	237	242	254	rBV4	43581	137439	4.46%	0.886%
6	6.077	466	472	475	rBV	16729	46349	1.50%	0.299%
7	6.166	475	481	493	rVB	35079	131634	4.27%	0.848%
8	6.924	551	558	564	rBV	451592	1238387	40.19%	7.982%
9	7.042	564	570	585	rVB	597101	1710923	55.52%	11.027%
10	7.455	606	612	626	rBV	369049	1020301	33.11%	6.576%
11	8.213	684	689	702	rBV	805891	2085004	67.66%	13.438%
12	10.409	907	912	918	rBV	561670	1218936	39.56%	7.856%
13	10.507	918	922	927	rVB2	40208	84585	2.75%	0.545%
14	12.368	1107	1111	1119	rBV	854682	1363028	44.23%	8.785%
15	12.653	1134	1140	1143	rVV4	12708	43181	1.40%	0.278%
16	12.998	1172	1175	1182	rBV3	22853	72516	2.35%	0.467%
17	13.332	1200	1209	1213	rVV	85677	201284	6.53%	1.297%
18	13.401	1213	1216	1219	rVB4	20833	42560	1.38%	0.274%
19	13.480	1219	1224	1228	rBV4	30444	75019	2.43%	0.484%
20	13.559	1228	1232	1236	rVV	442455	658100	21.36%	4.242%
21	13.716	1245	1248	1250	rVB	51764	78873	2.56%	0.508%
22	13.834	1255	1260	1263	rBV4	13780	31694	1.03%	0.204%
23	13.893	1263	1266	1268	rBV3	30169	60500	1.96%	0.390%
24	13.982	1270	1275	1278	rVB4	32304	80871	2.62%	0.521%
25	14.130	1285	1290	1292	rBV4	15665	40868	1.33%	0.263%
26	14.199	1292	1297	1300	rVV6	23240	72173	2.34%	0.465%
27	14.248	1300	1302	1306	rVV4	14493	34968	1.13%	0.225%
28	14.405	1316	1318	1322	rVV5	16512	40518	1.31%	0.261%
29	14.514	1326	1329	1334	rVV	332835	474470	15.40%	3.058%
30	14.809	1357	1359	1365	rVV7	20973	52312	1.70%	0.337%
31	14.937	1368	1372	1376	rVB7	18907	50619	1.64%	0.326%
32	15.134	1390	1392	1396	rVB5	26223	43350	1.41%	0.279%
33	15.291	1405	1408	1412	rBV2	52514	98453	3.20%	0.635%
34	15.390	1415	1418	1420	rBV2	28676	38904	1.26%	0.251%

LSC Area Percent Report

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Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

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\82D080919S.M
Title : SW846 8260

35	15.813	1457	1461	1466	rBV4	55142	93517	3.03%	0.603%
36	15.921	1470	1472	1474	rBV2	19480	33754	1.10%	0.218%
37	16.148	1492	1495	1499	rBV4	42278	95908	3.11%	0.618%
38	16.207	1499	1501	1508	rVB4	37208	94969	3.08%	0.612%
39	16.295	1508	1510	1513	rBV3	17782	31747	1.03%	0.205%
40	16.384	1514	1519	1525	rVB9	25587	97843	3.18%	0.631%
41	16.482	1525	1529	1531	rBV4	19590	39928	1.30%	0.257%
42	17.044	1583	1586	1591	rVB5	29293	41675	1.35%	0.269%
43	17.260	1602	1608	1611	rBV5	19247	51315	1.67%	0.331%

Sum of corrected areas: 15515368

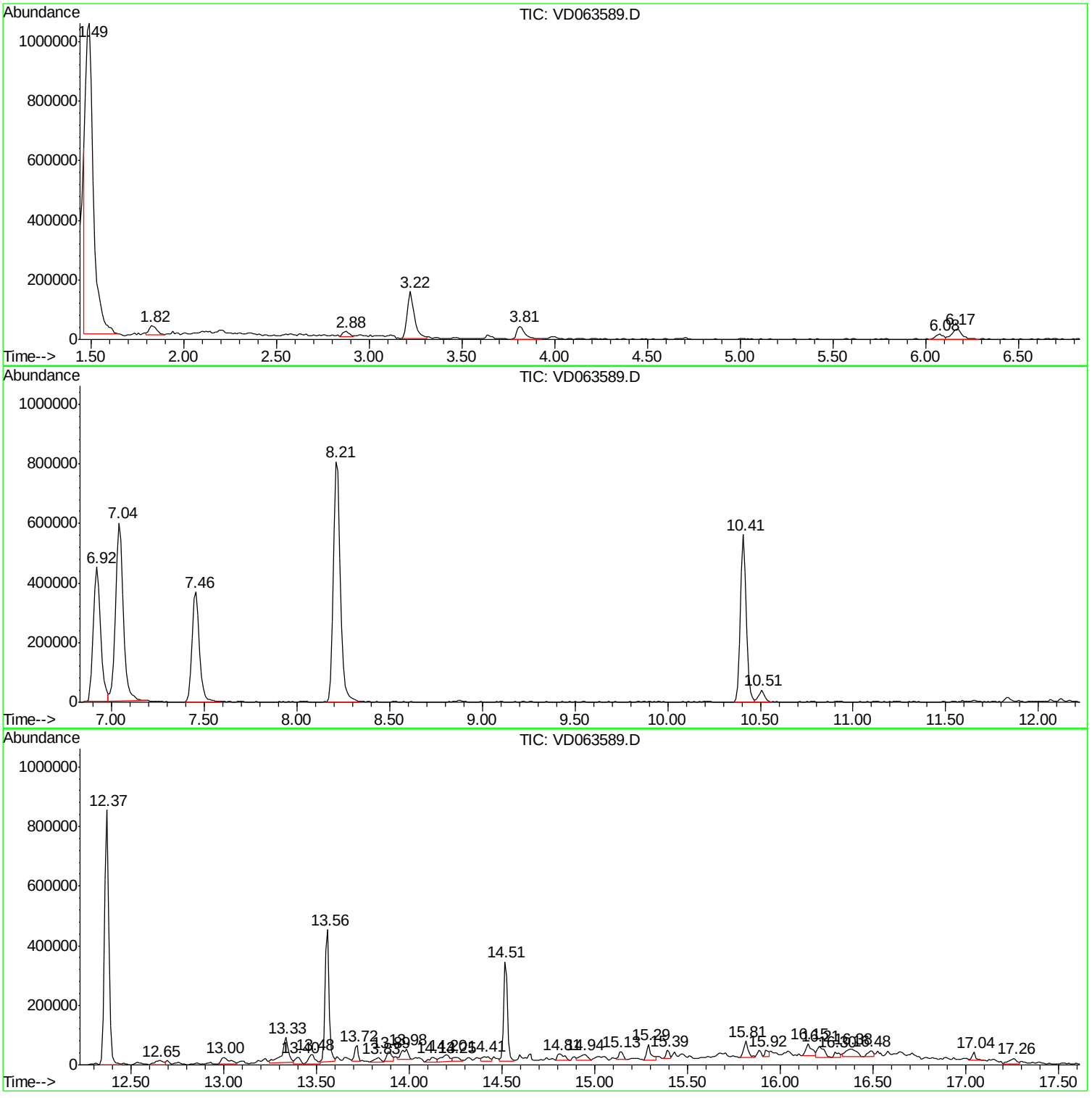
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

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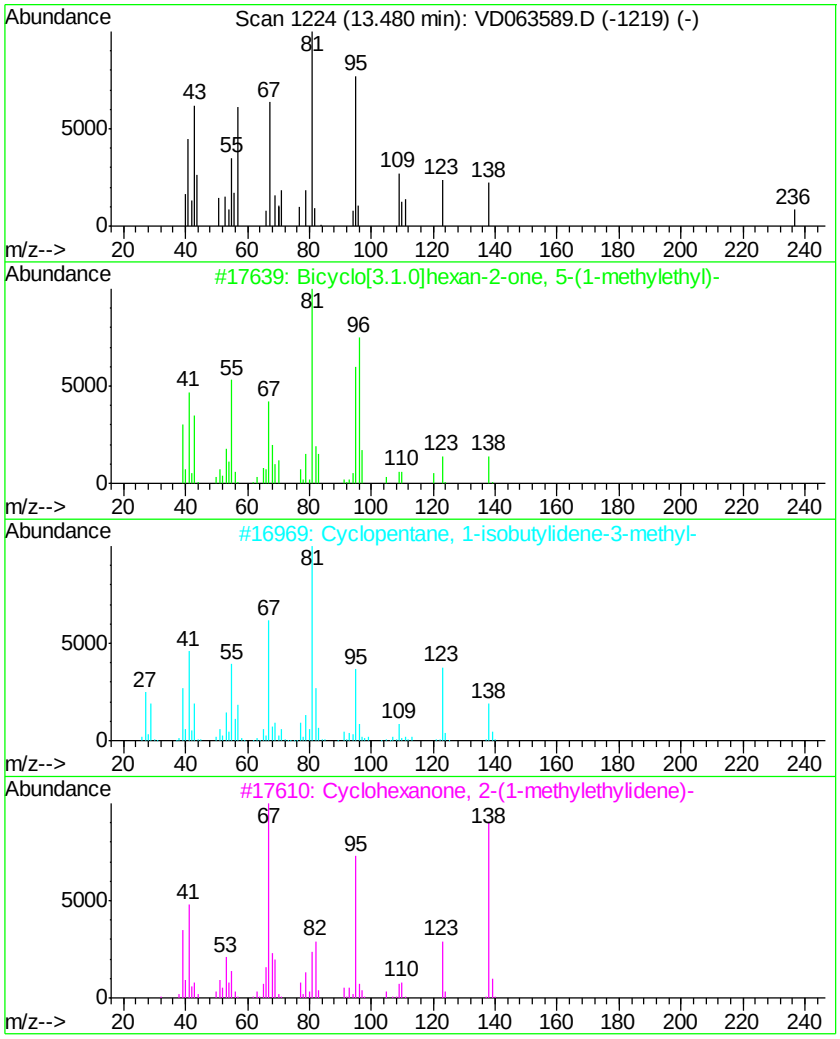
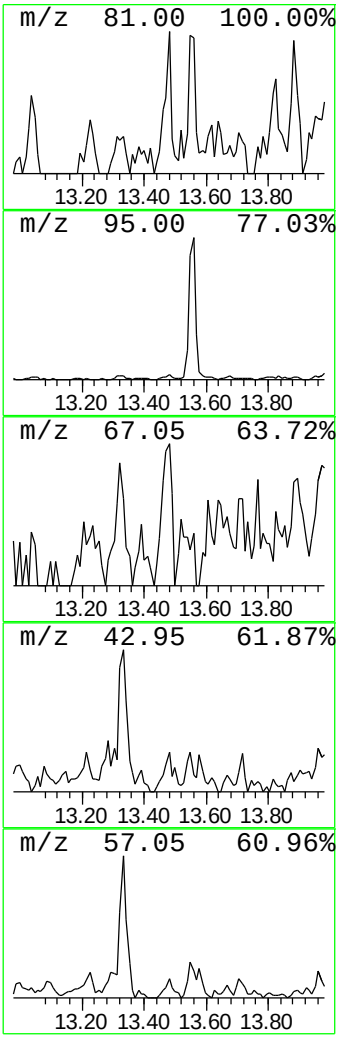
Peak Number 2 unknown13.48 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	7.91 ug/l	75019	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	49
2	Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	47
3	Cyclohexanone, 2-(1-methylethyli...	138	C9H14O	013747-73-4	47
4	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	46
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

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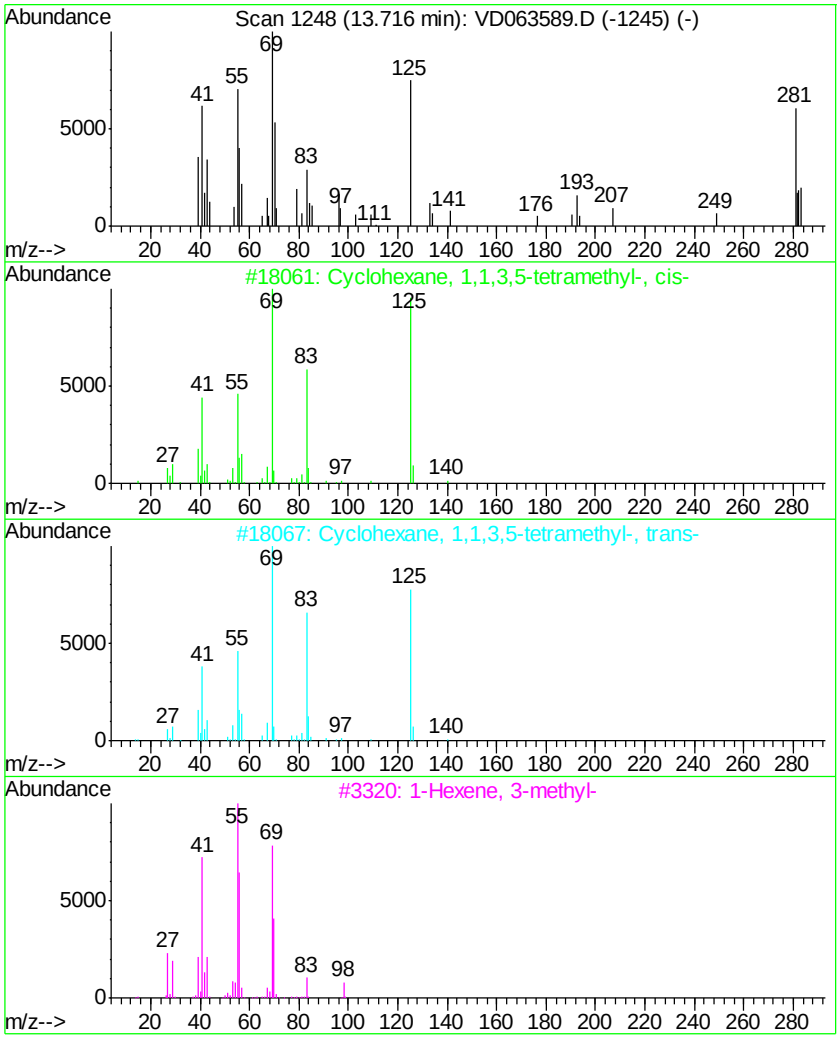
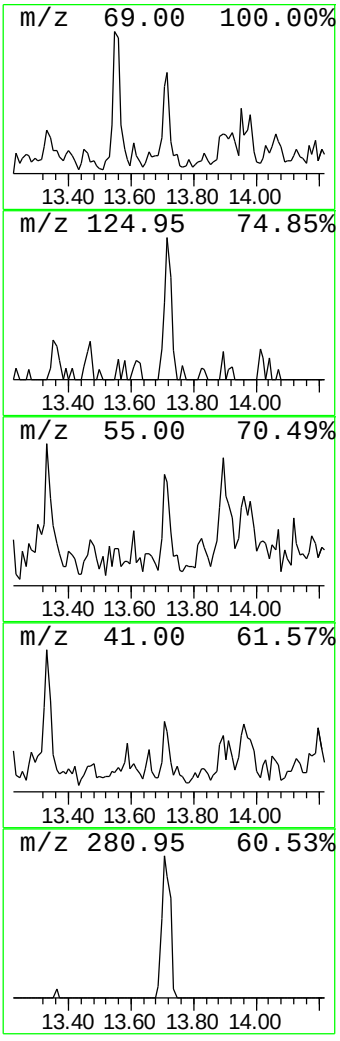
Peak Number 3 unknown13.72 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	8.31 ug/l	78873	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35
4	3-Cyclopentylpropionic acid, 2-e...	254	C16H30O2	1000293-47-0	27
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

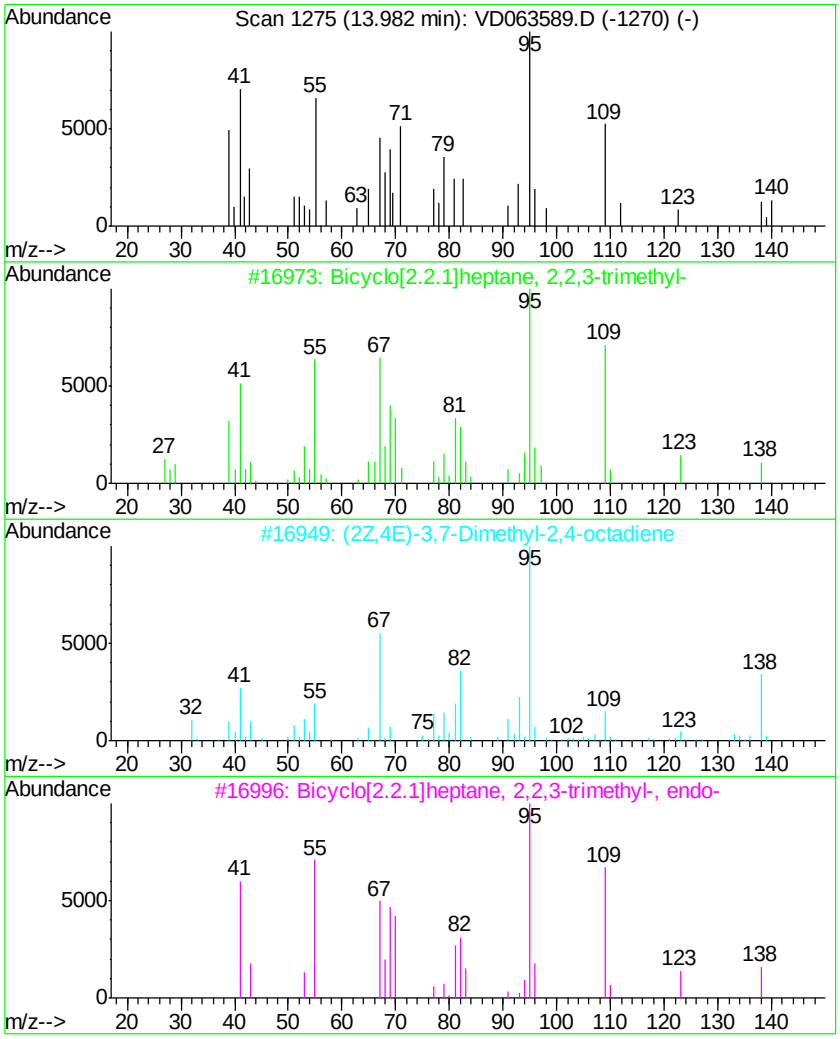
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

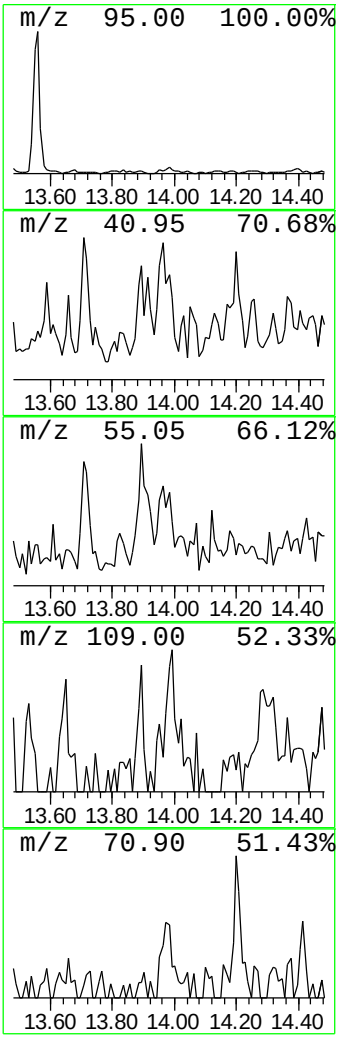
****

Peak Number 4 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	8.52 ug/l	80871	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	53
2	(2Z,4E)-3,7-Dimethyl-2,4-octadiene	138	C10H18	1000374-08-4	50
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	46
4	Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	46
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

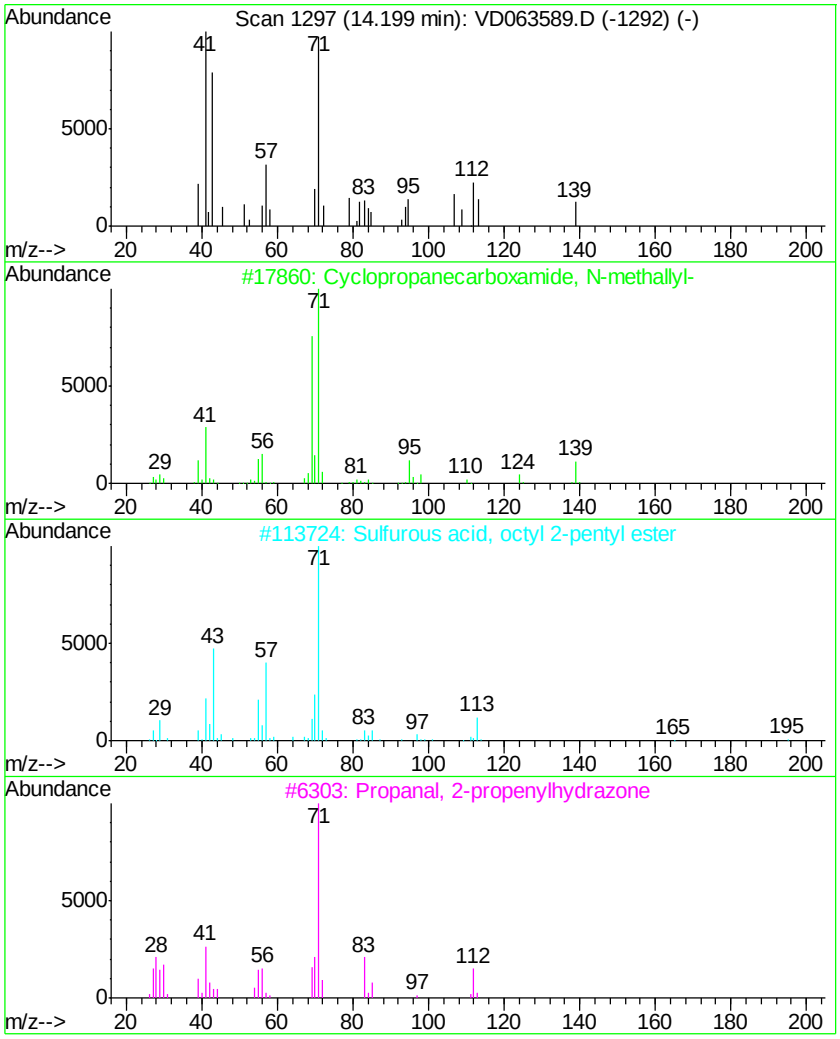
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

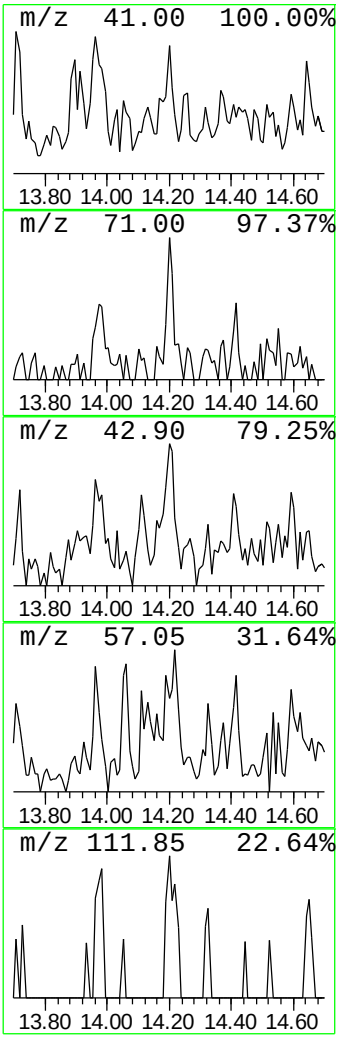
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopropanecarboxamide, N-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	7.61 ug/l	72173	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxamide, N-metha...	139	C8H13NO	1000340-05-6	53
2	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	47
3	Propanal, 2-propenylhydrazone	112	C6H12N2	019031-78-8	42
4	Methoxyacetic acid, 2-octyl ester	202	C11H22O3	1000282-69-6	42
5	Phytol	296	C20H40O	000150-86-7	40





Library Search Compound Report

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Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

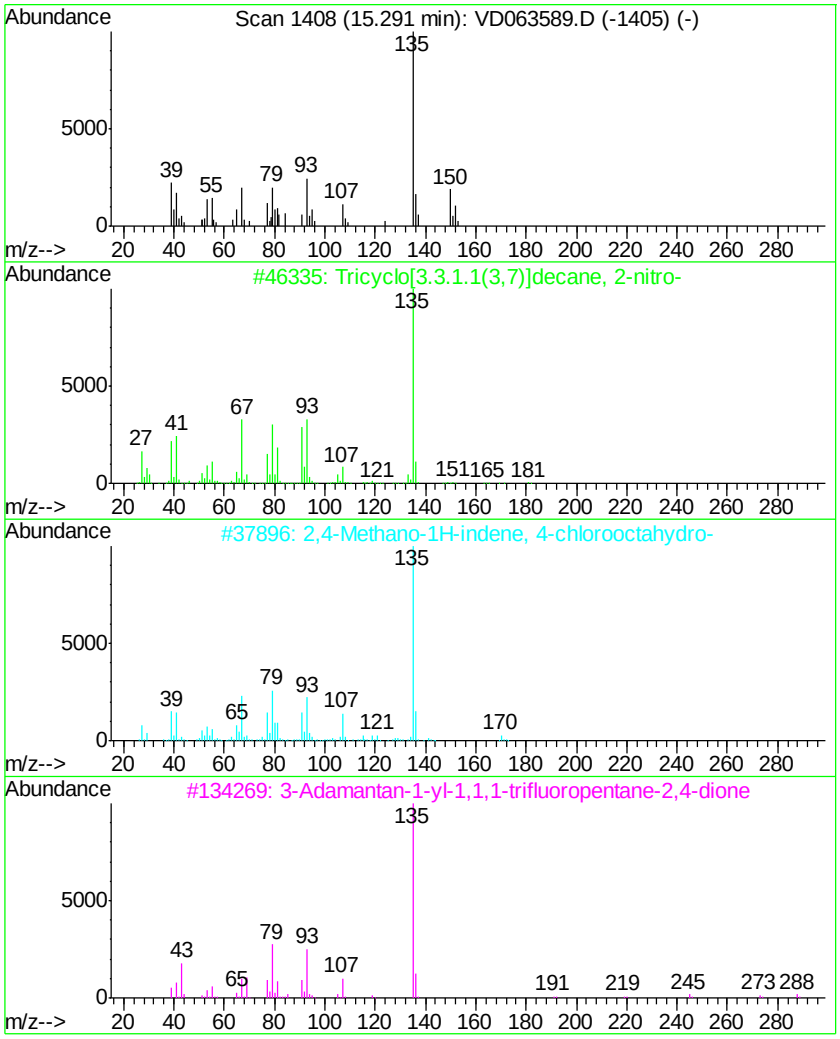
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

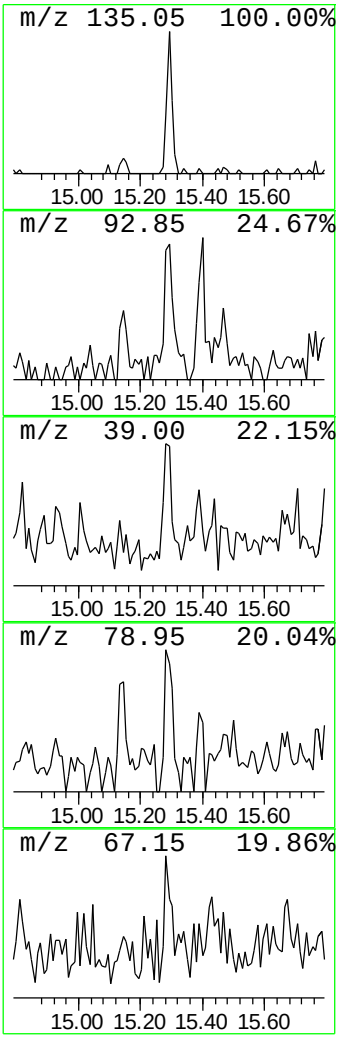
****

Peak Number 6 Tricyclo[3.3.1.1(3,7)]decan... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	10.38 ug/l	98453	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)]decane, 2-...	181	C10H15NO2	054564-31-7	72
2	2,4-Methano-1H-indene, 4-chloroo...	170	C10H15Cl	098640-25-6	72
3	3-Adamantan-1-yl-1,1,1-trifluoro...	288	C15H19F3O2	1000311-44-8	59
4	Tricyclo[3.3.1.1(3,7)]decane, 2-...	214	C10H15Br	007314-85-4	59
5	4-Amino-2,6-dimethyl-3-pyridyl 1...	300	C18H24N2O2	1000260-99-2	59





Library Search Compound Report

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Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

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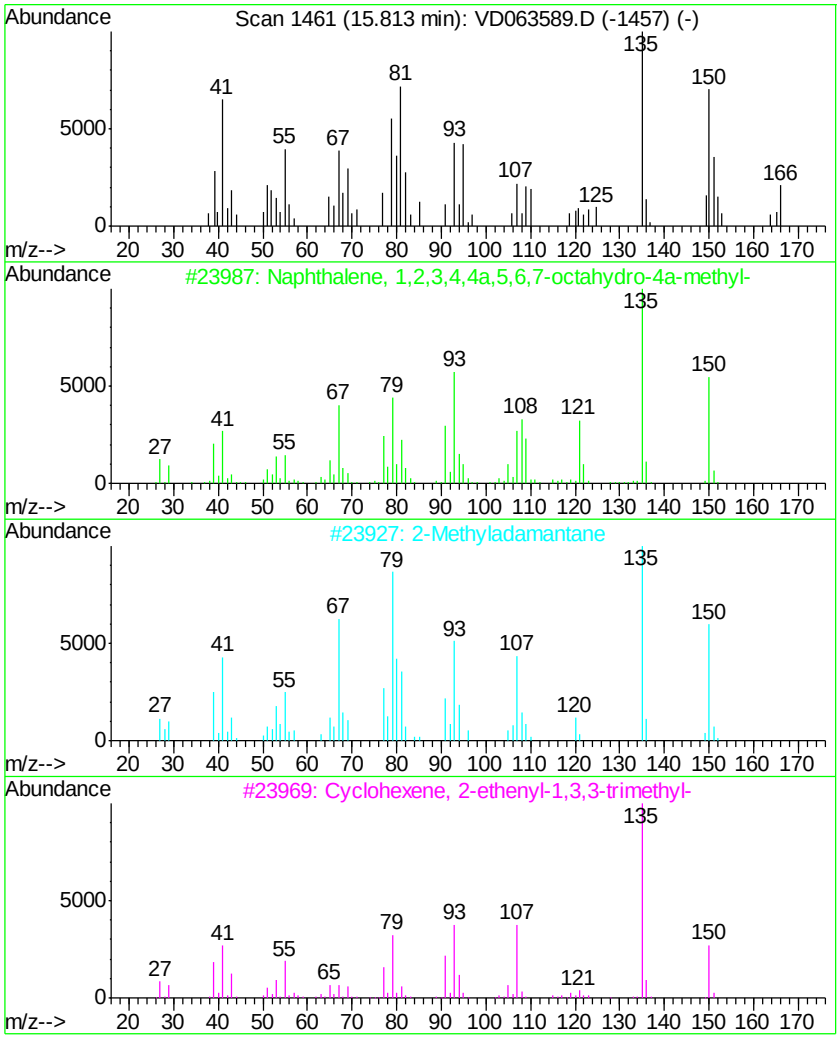
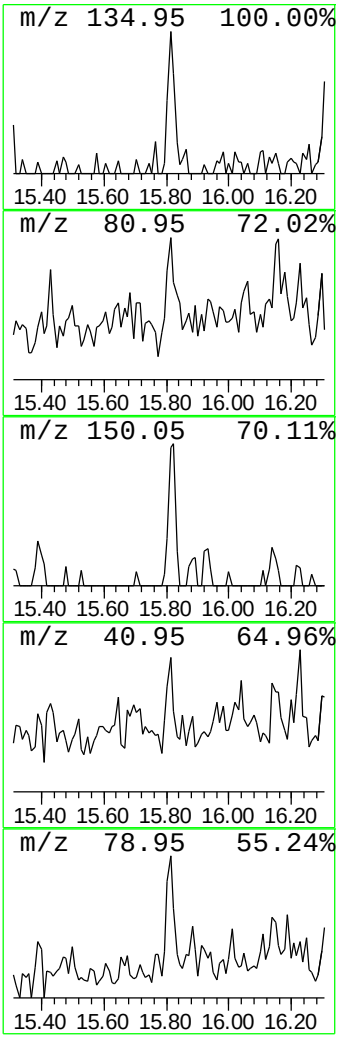
Peak Number 7 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	9.85 ug/l	93517	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	64
2	2-Methyladamantane	150	C11H18	000700-56-1	52
3	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	52
4	Cyclohexanone, 2-(2-butynyl)-	150	C10H14O	054166-48-2	49
5	3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	46





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Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

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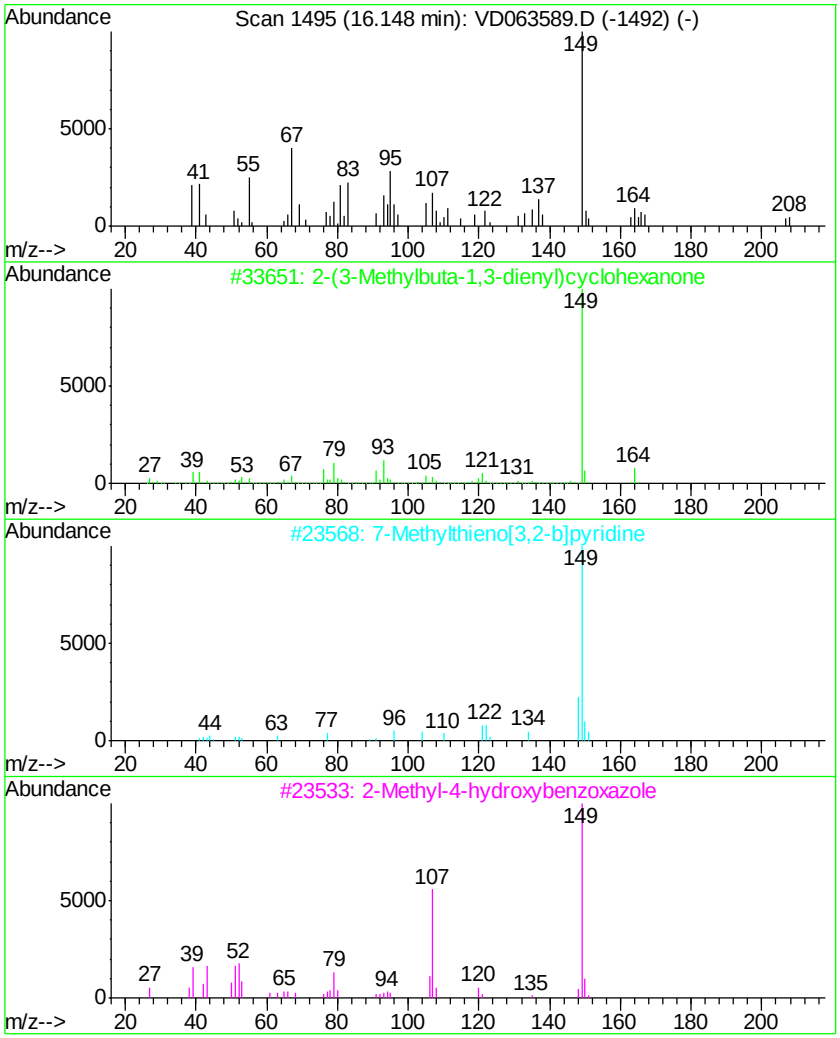
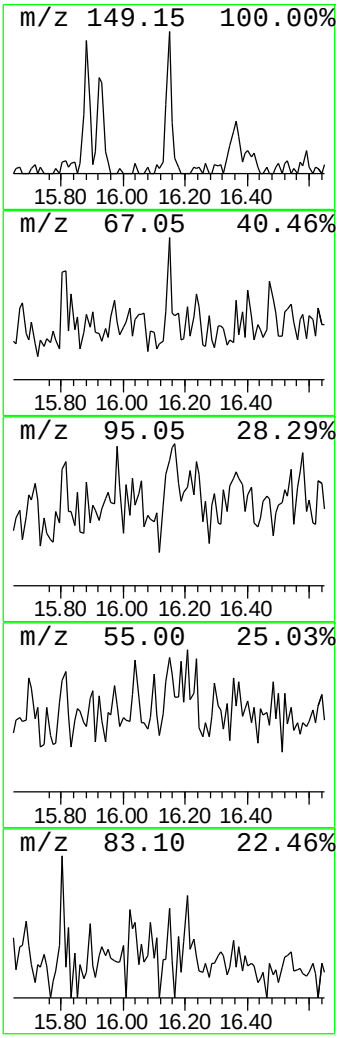
Peak Number 8 unknown16.15 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	10.11 ug/l	95908	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3-Methylbuta-1,3-dienyl)cyclo...	164	C11H16O	1000191-75-5	35
2	7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	30
3	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	30
4	5-Methylthieno[3,2-b]pyridine	149	C8H7NS	001759-29-1	27
5	1H-S-Triazolo[1,5-a]pyridin-4-iu...	149	C7H7N3O	013980-64-8	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

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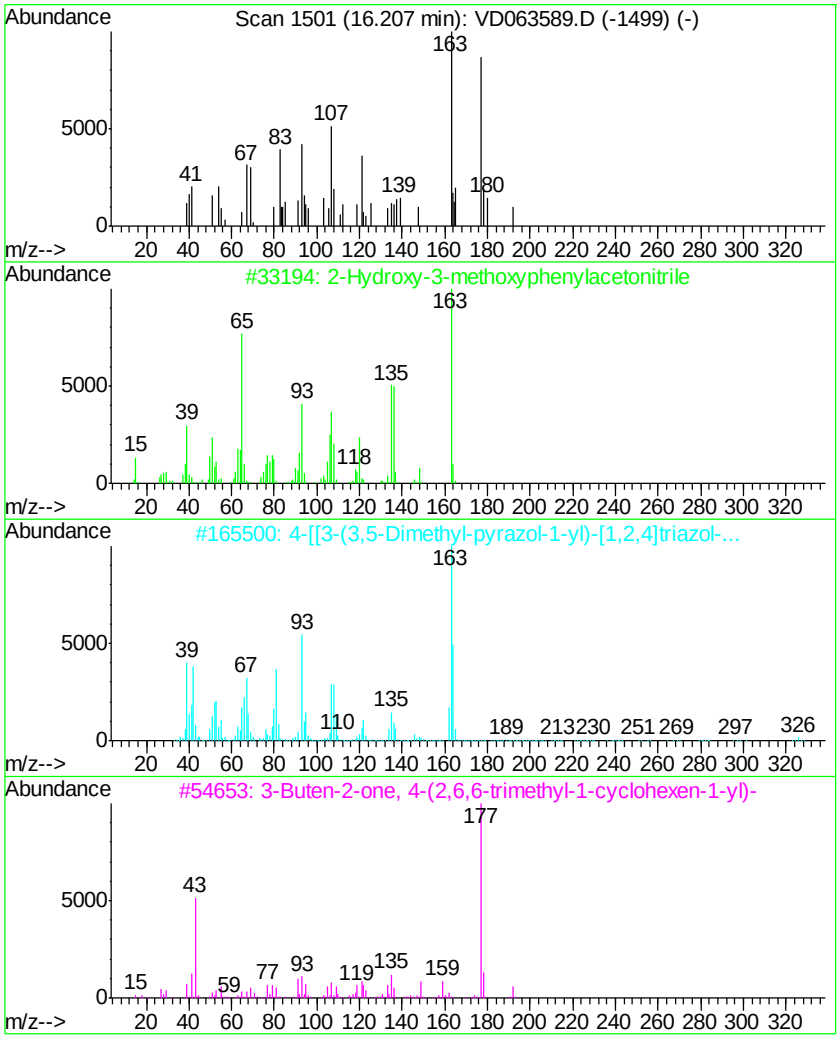
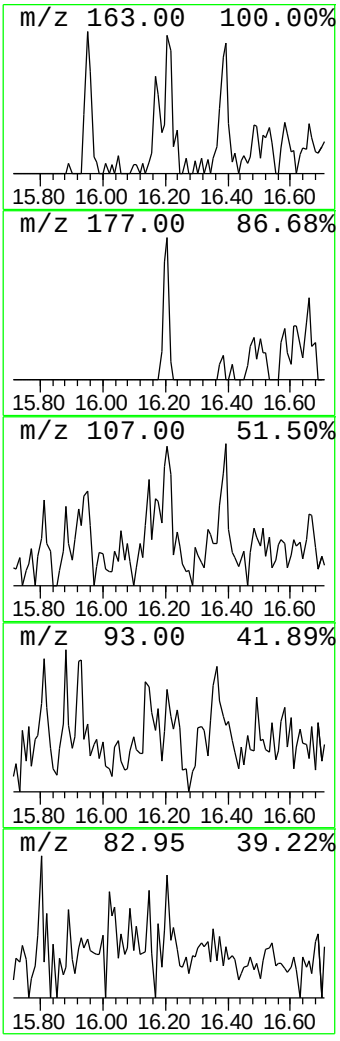
Peak Number 9 unknown16.21 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	10.01 ug/l	94969	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-3-methoxyphenylacetoni...	163	C9H9NO2	042973-56-8	35
2	4-[[3-(3,5-Dimethyl-pyrazol-1-yl...	326	C16H18N6O2	1000296-14-6	22
3	3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	014901-07-6	20
4	1,3,5,6-Tetramethyladamantane	192	C14H24	034694-70-7	18
5	s-Triazolo[4,3-a]pyrazine, 3-ami...	163	C7H9N5	019855-02-8	18





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

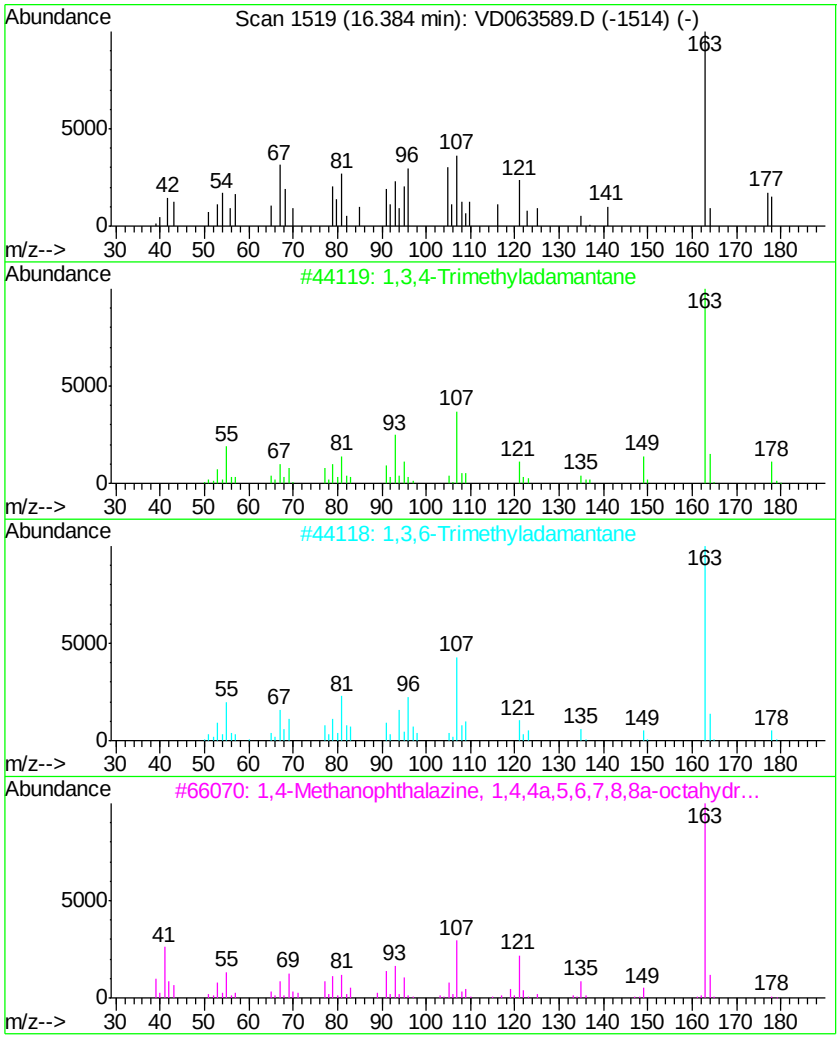
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

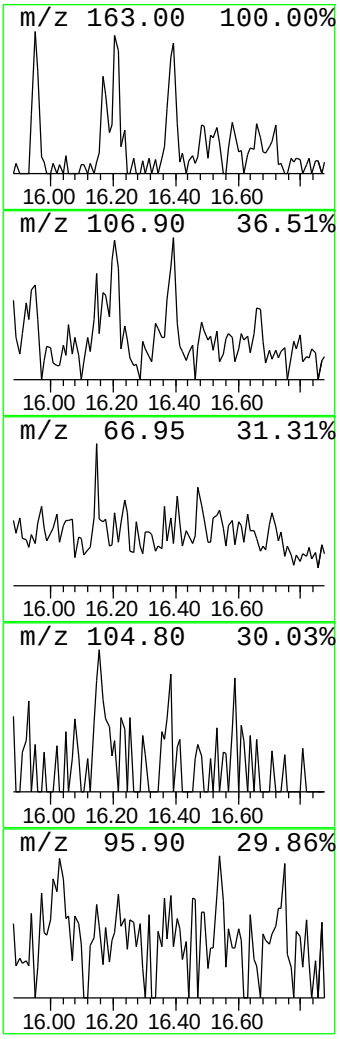
****

Peak Number 10 1,3,4-Trimethyladamantane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	10.31 ug/l	97843	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	58
2	1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	50
3	1,4-Methanophthalazine, 1,4,4a,5...	206	C13H22N2	109746-14-7	47
4	4H-1,2,4-Triazole, 3-(3,5-dimeth...	163	C7H9N5	003310-78-9	37
5	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081419\
Data File : VD063589.D
Acq On : 14 Aug 2019 22:08
Operator : JC/SY
Sample : K4324-06
Misc : 5.63g/5ml/MSVOA_D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-E1-(4)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.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
unknown13.48	13.48	7.9	ug/l	75019	4	14.51	474470	50.0
unknown13.72	13.72	8.3	ug/l	78873	4	14.51	474470	50.0
Bicyclo[2.2.1]hep...	13.98	8.5	ug/l	80871	4	14.51	474470	50.0
Cyclopropanecarbo...	14.20	7.6	ug/l	72173	4	14.51	474470	50.0
Tricyclo[3.3.1.1(...	15.29	10.4	ug/l	98453	4	14.51	474470	50.0
Naphthalene, 1,2,...	15.81	9.8	ug/l	93517	4	14.51	474470	50.0
unknown16.15	16.15	10.1	ug/l	95908	4	14.51	474470	50.0
unknown16.21	16.21	10.0	ug/l	94969	4	14.51	474470	50.0
1,3,4-Trimethylad...	16.38	10.3	ug/l	97843	4	14.51	474470	50.0