

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD041919\
 Data File : VD061920.D
 Acq On : 19 Apr 2019 20:11
 Operator : VA/AP
 Sample : K2413-01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NCC-TOPSOIL-KY

Quant Time: Apr 19 23:56:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

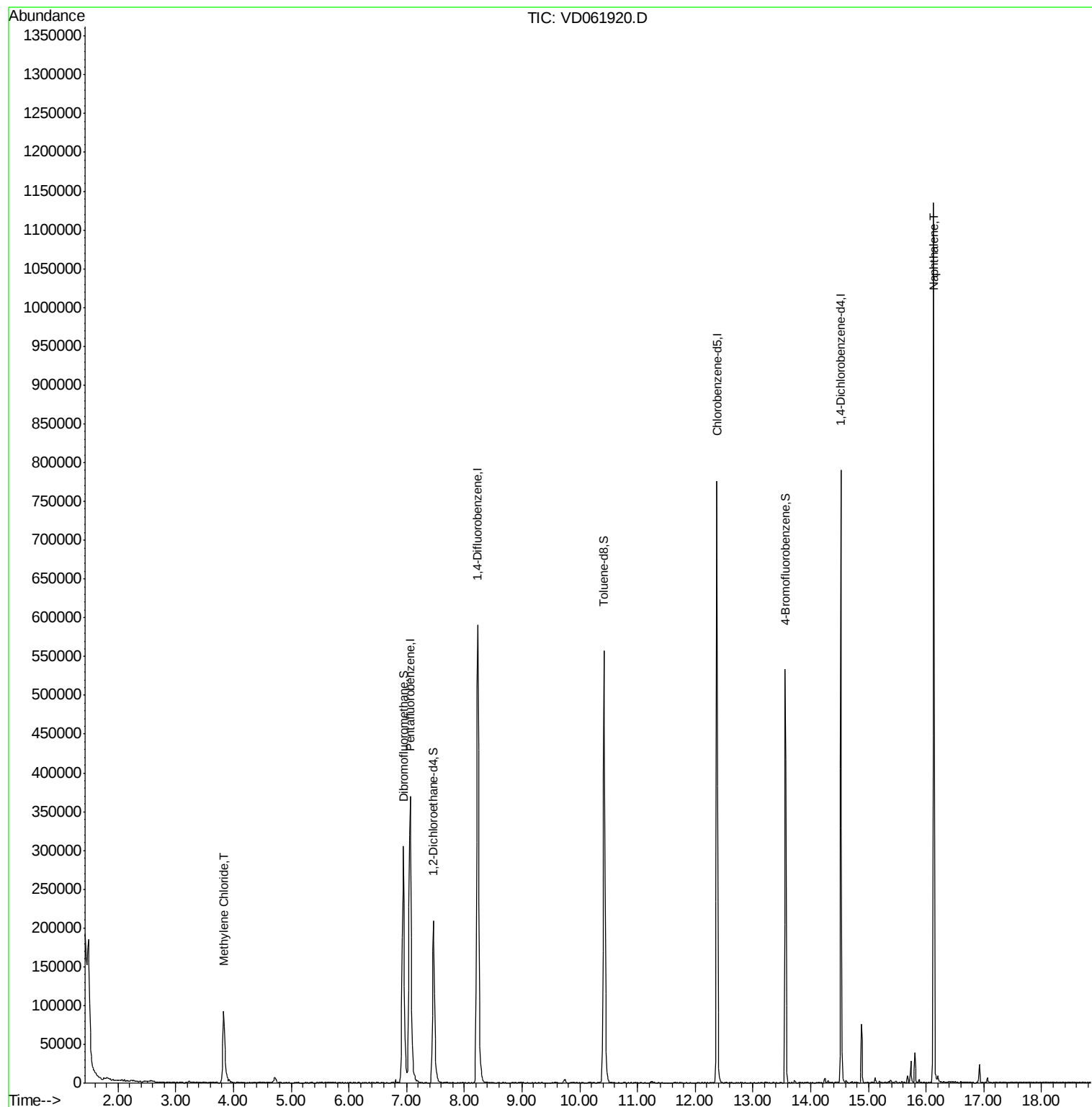
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	378444	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	683566	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	497963	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	168505	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	210818	66.47	ug/l	0.01
Spiked Amount 50.000			Recovery	=	132.94%	
35) Dibromofluoromethane	6.94	113	267596	51.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.64%	
50) Toluene-d8	10.42	98	473142	38.67	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.34%	
62) 4-Bromofluorobenzene	13.56	95	166795	33.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.26%	
Target Compounds						
20) Methylene Chloride	3.83	84	67680	14.127	ug/l	98
95) Naphthalene	16.13	128	688682	180.215	ug/l	99

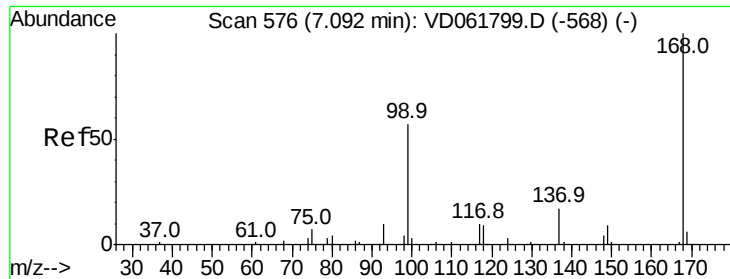
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

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MSVOA_D

ClientSampleId :

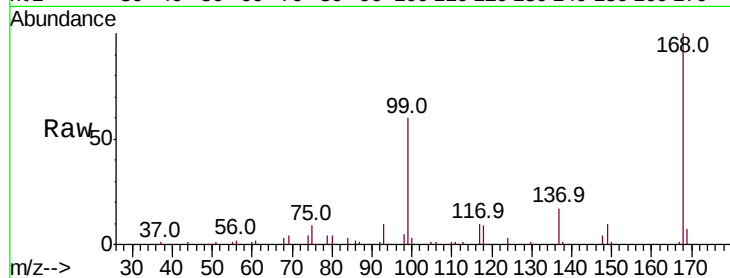
NCC-TOPSOIL-KY

Tot Ion:168 Resp: 378444

Ion Ratio Lower Upper

168 100

99 60.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

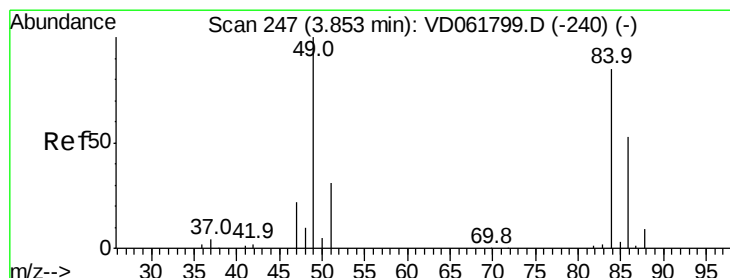
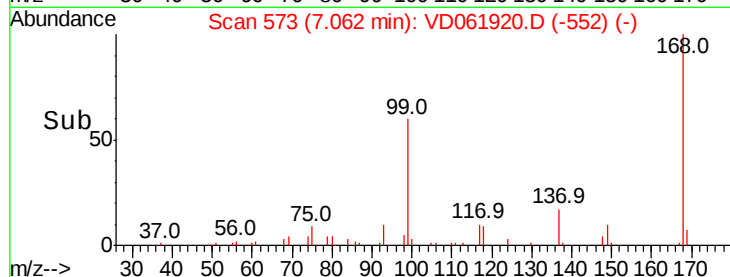
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 14.127 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

Tgt Ion: 84 Resp: 67680

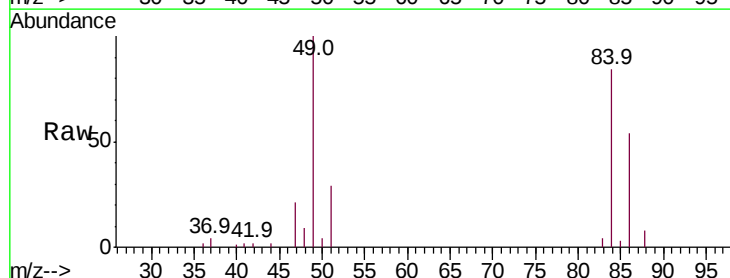
Ion Ratio Lower Upper

84 100

49 118.6 94.0 141.0

51 34.4 29.0 43.4

86 63.7 49.8 74.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

40000

30000

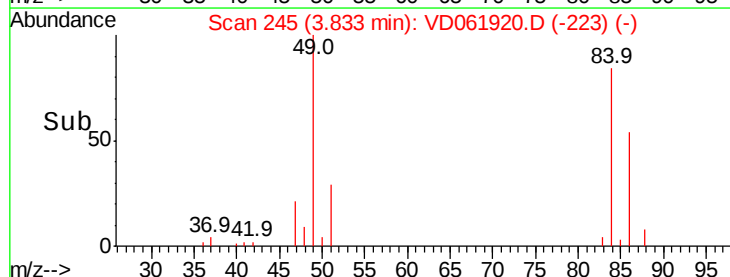
20000

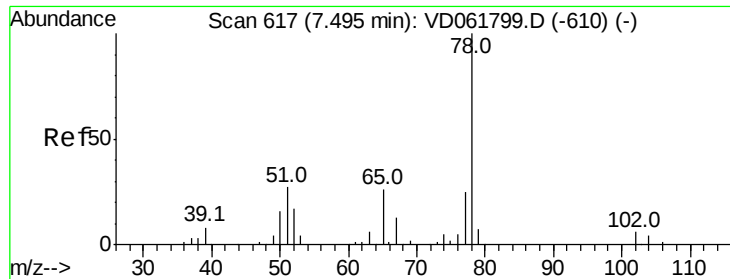
10000

0

Time-->

3.70 3.80 3.90 4.00





#33

1,2-Dichloroethane-d4

Concen: 66.468 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

Instrument :

MSVOA_D

ClientSampleId :

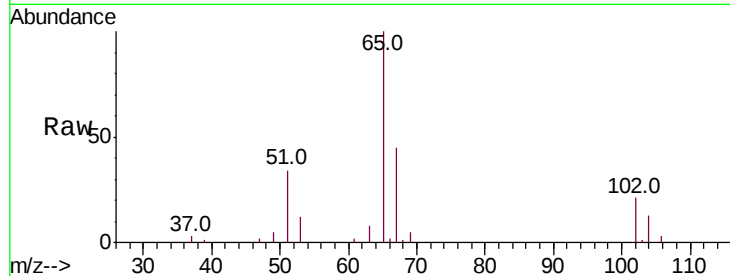
NCC-TOPSOIL-KY

Tot Ion: 65 Resp: 210818

Ion Ratio Lower Upper

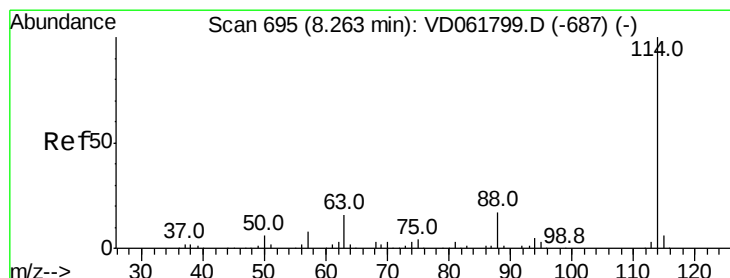
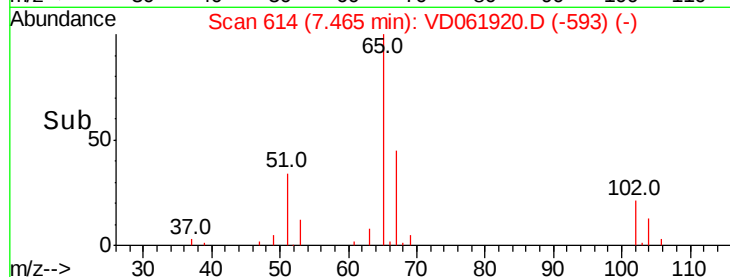
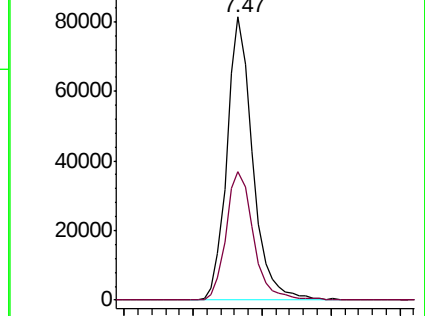
65 100

67 45.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

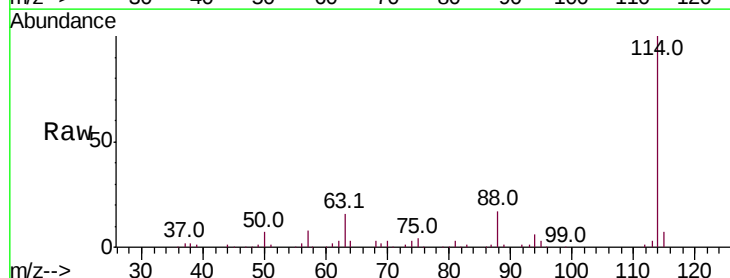
Tgt Ion: 114 Resp: 683566

Ion Ratio Lower Upper

114 100

63 16.2 0.0 32.4

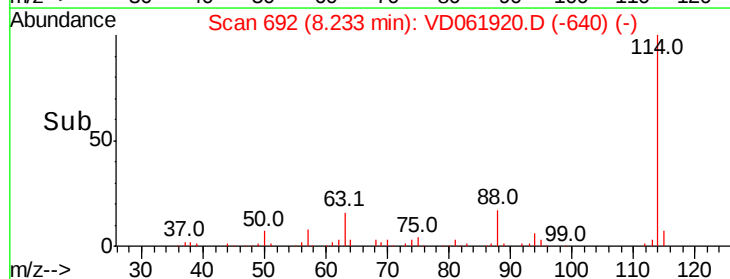
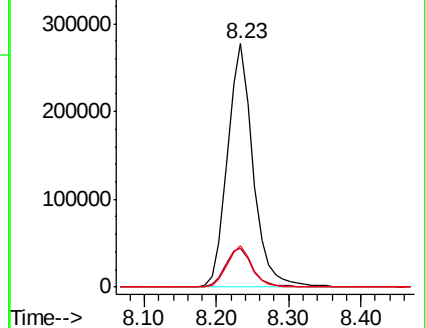
88 17.0 0.0 33.6

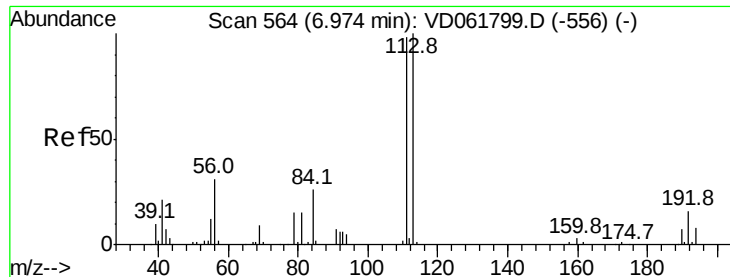


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

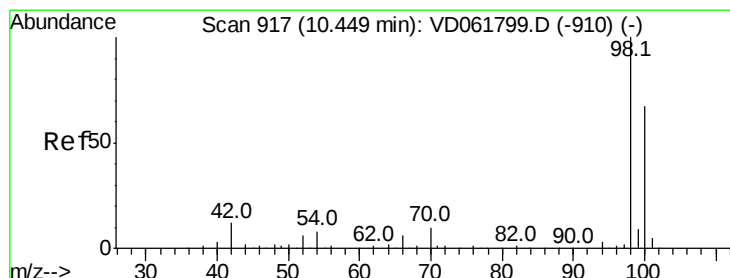
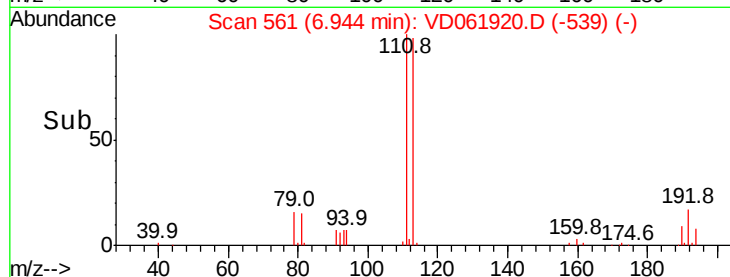
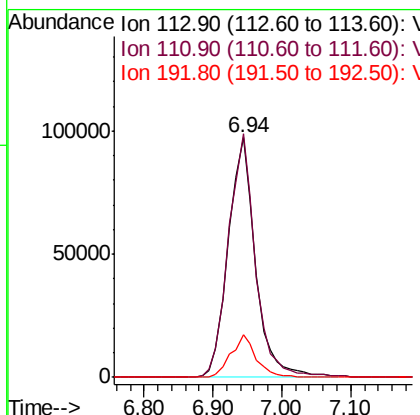
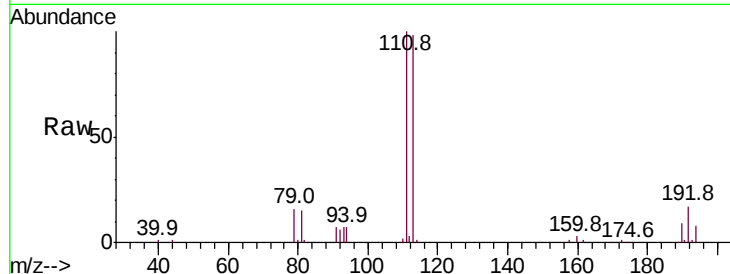




#35
 Dibromofluoromethane
 Concen: 51.816 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

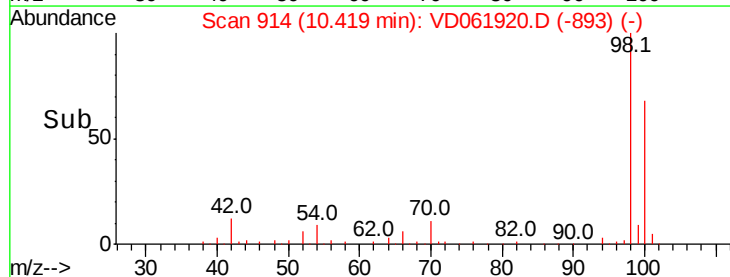
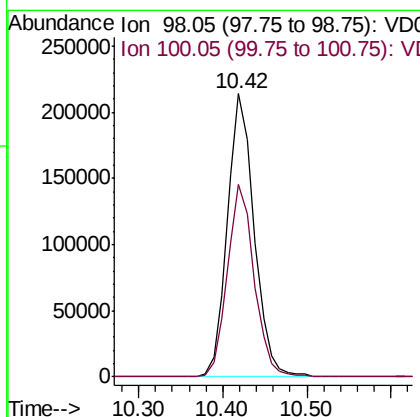
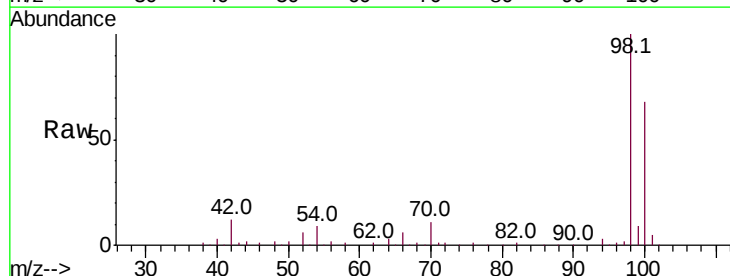
Instrument :
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 NCC-TOPSOIL-KY

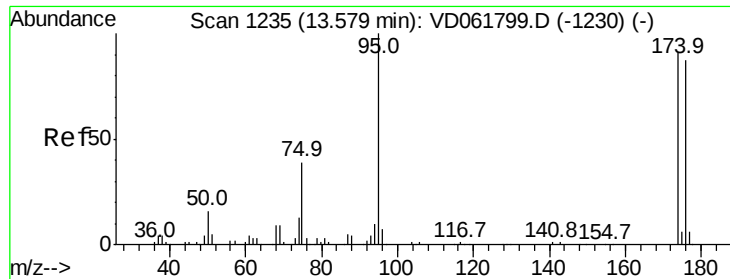
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	78.5	117.7
192	17.6	13.0	19.4



#50
 Toluene-d8
 Concen: 38.666 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.8	80.8





#62

4-Bromofluorobenzene

Concen: 33.630 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

Instrument :

MSVOA_D

ClientSampleId :

NCC-TOPSOIL-KY

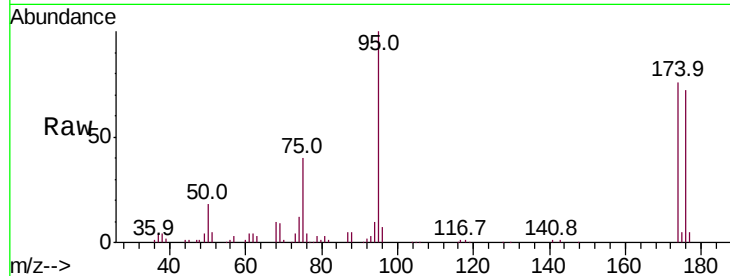
Tot Ion: 95 Resp: 166795

Ion Ratio Lower Upper

95 100

174 75.9 0.0 181.8

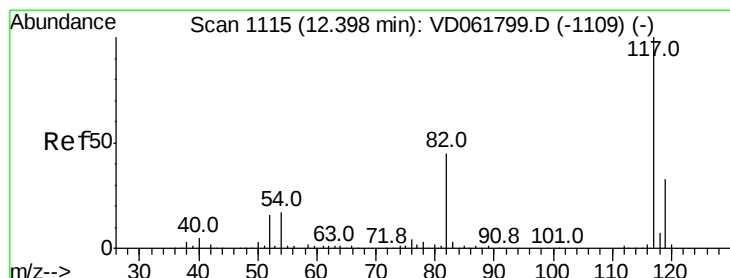
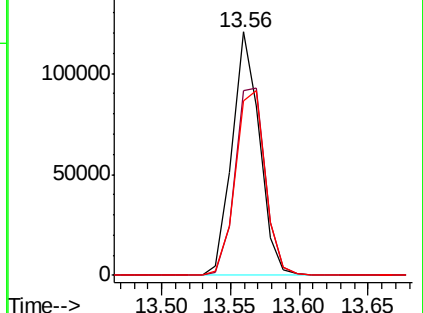
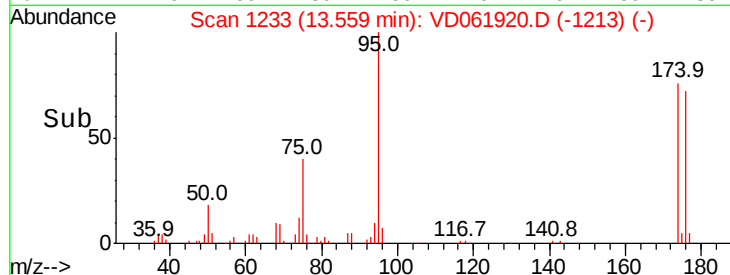
176 71.9 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061920.D

Acq: 19 Apr 2019 20:11

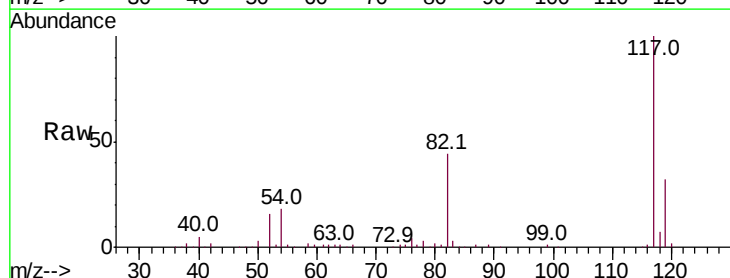
Tgt Ion: 117 Resp: 497963

Ion Ratio Lower Upper

117 100

82 43.5 36.2 54.2

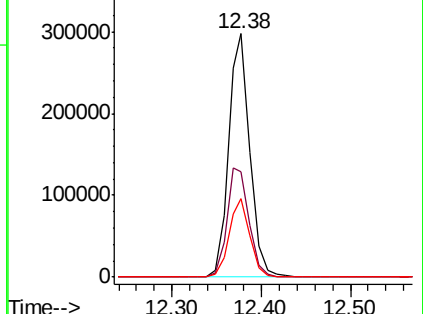
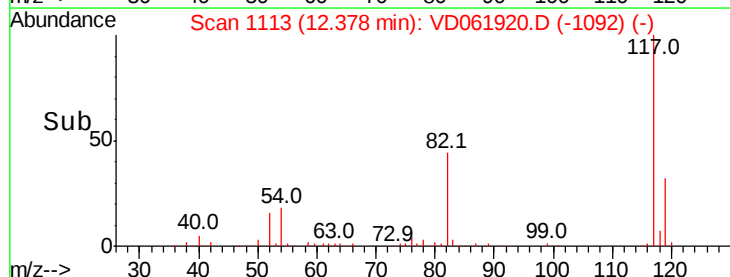
119 32.1 26.2 39.4

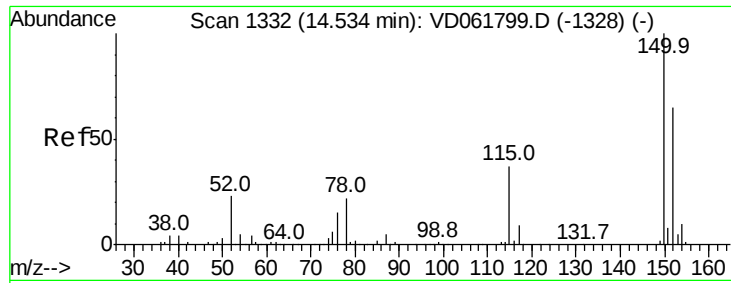


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

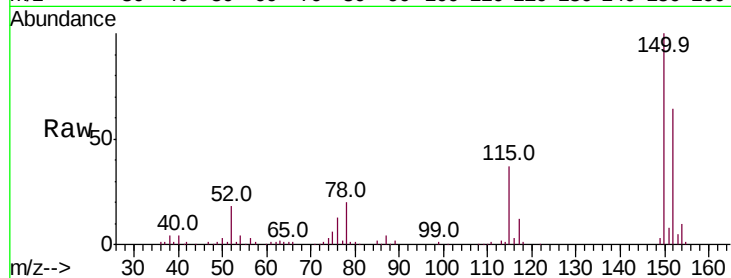




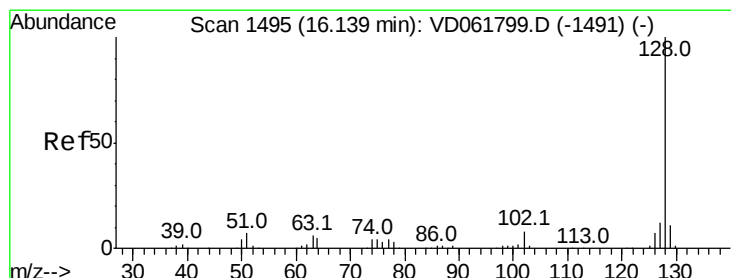
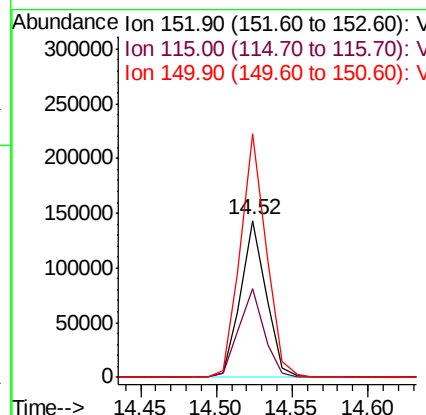
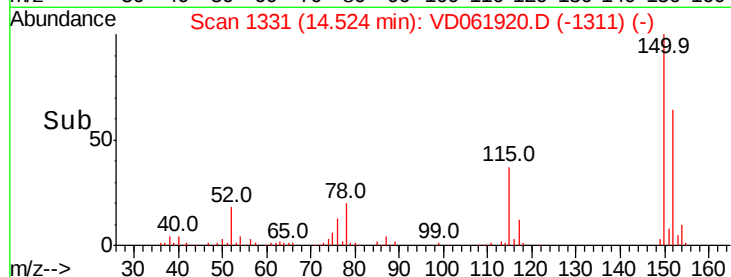
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

Instrument :
 MSVOA_D
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 NCC-TOPSOIL-KY

Tot Ion:152 Resp: 168505
 Ion Ratio Lower Upper
 152 100
 115 56.8 30.9 92.7
 150 155.5 0.0 314.8

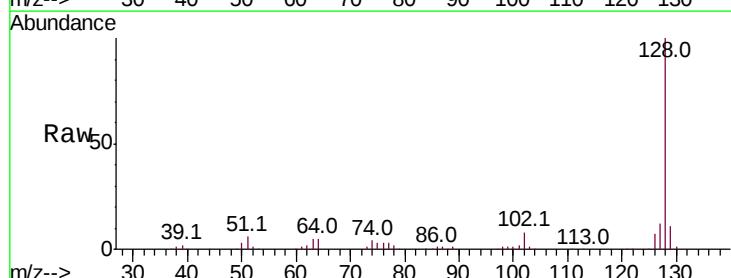


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#95
 Naphthalene
 Concen: 180.215 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VD061920.D
 Acq: 19 Apr 2019 20:11

Tgt Ion:128 Resp: 688682
 Ion Ratio Lower Upper
 128 100
 127 12.0 9.8 14.8
 129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

