

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061981.D
 Acq On : 23 Apr 2019 20:38
 Operator : VA/AP
 Sample : K2510-01
 Misc : 5.64g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE-A

Quant Time: Apr 24 07:37:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

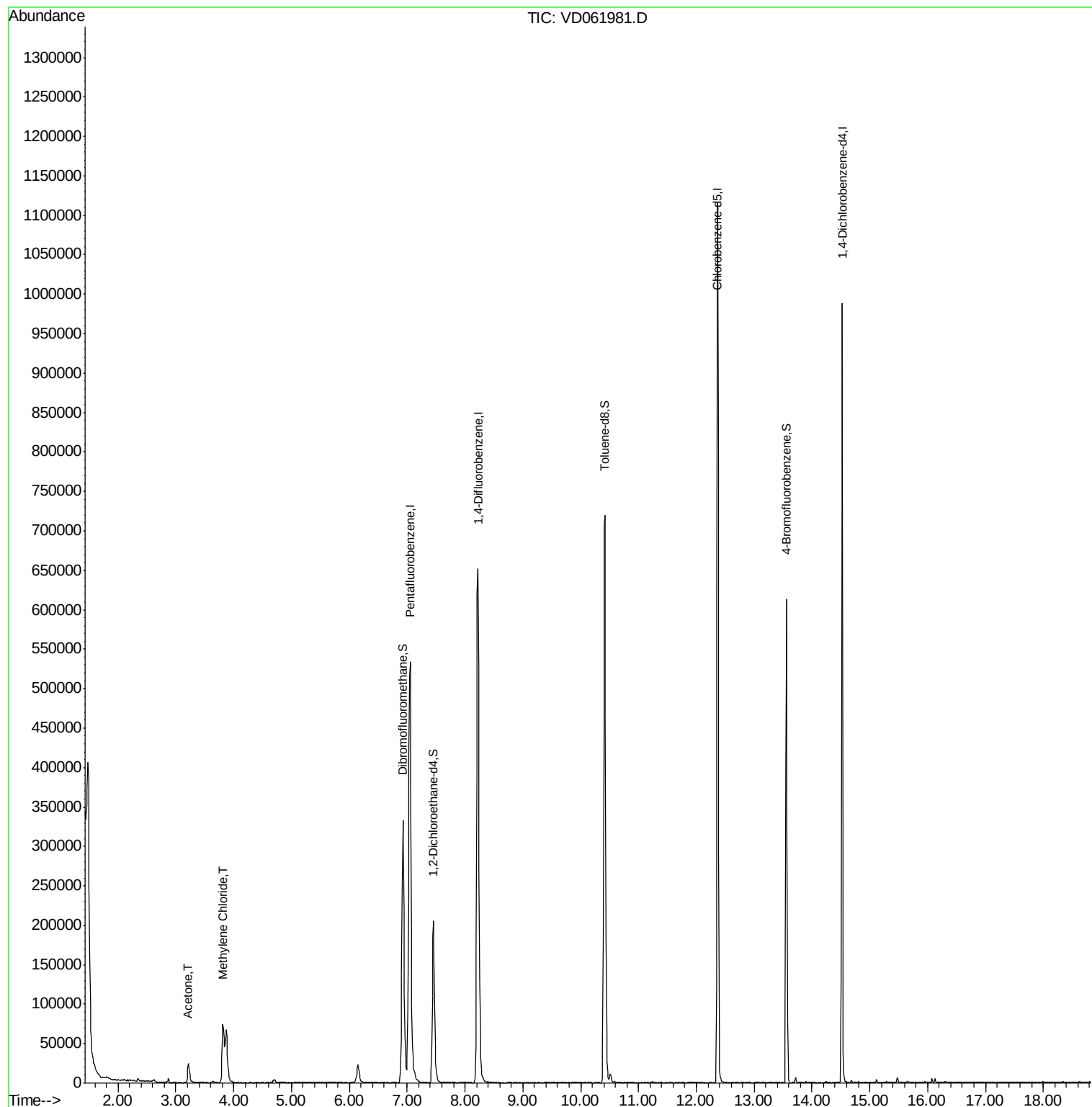
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	559814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	840453	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	674652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	237164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	205465	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
35) Dibromofluoromethane	6.92	113	305084	52.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.98%	
50) Toluene-d8	10.42	98	665118	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	13.56	95	198685	35.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.64%	
Target Compounds						
16) Acetone	3.22	43	48298	46.167	ug/l	99
20) Methylene Chloride	3.82	84	59589	9.091	ug/l	95

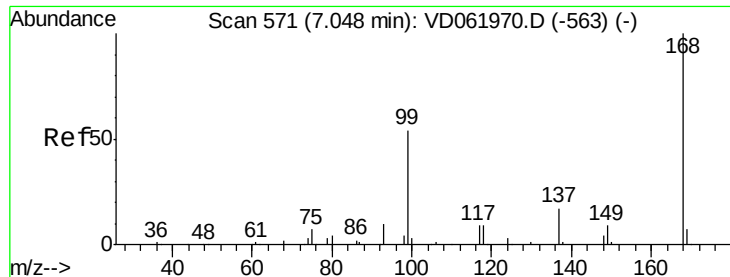
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

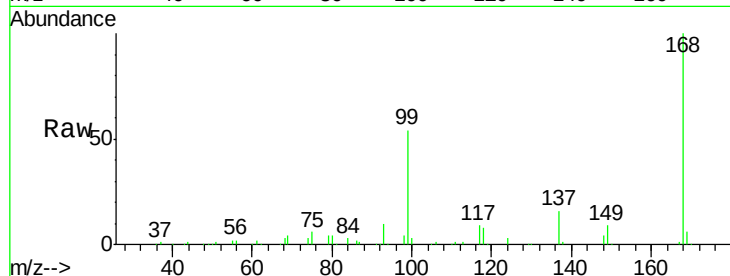
SOIL-PILE-A

Tot Ion:168 Resp: 559814

Ion Ratio Lower Upper

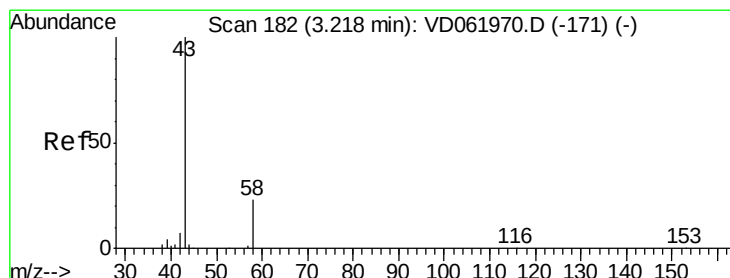
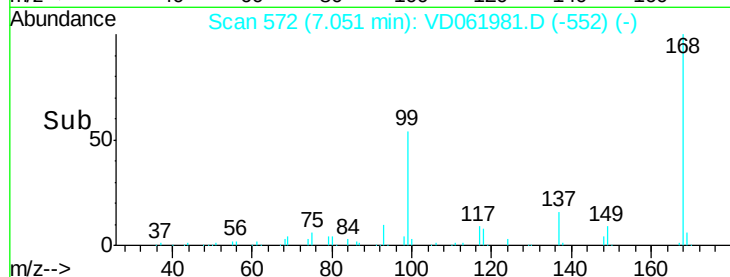
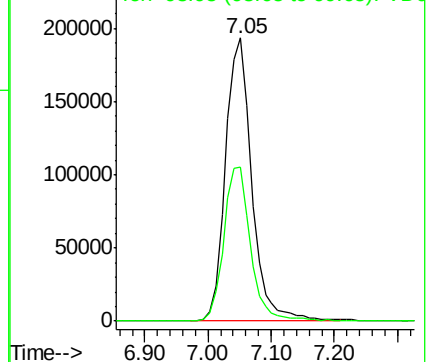
168 100

99 54.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 46.167 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061981.D

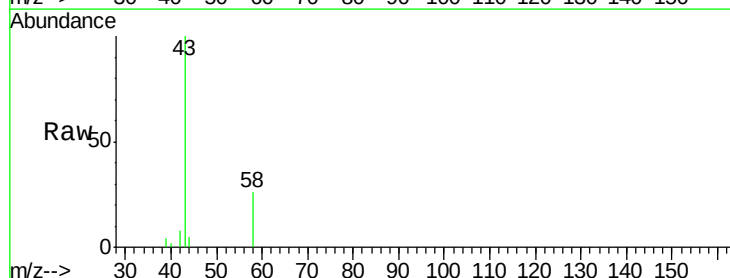
Acq: 23 Apr 2019 20:38

Tgt Ion: 43 Resp: 48298

Ion Ratio Lower Upper

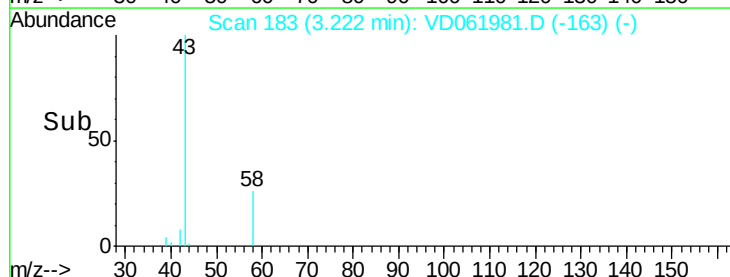
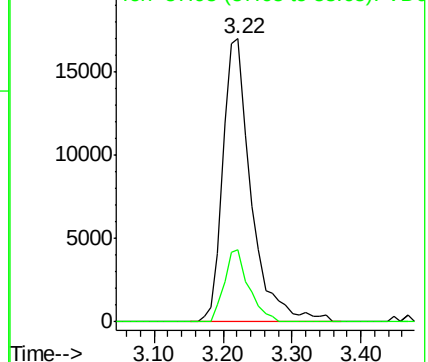
43 100

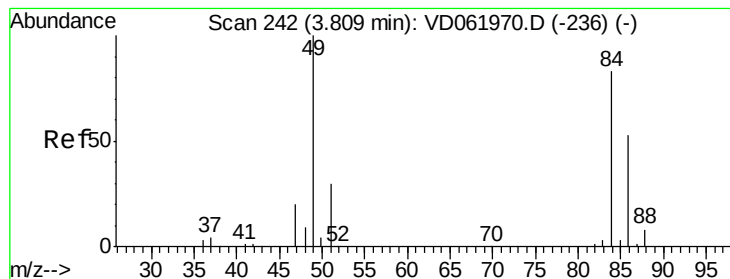
58 25.5 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 9.091 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.00 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-A

Tot Ion: 84 Resp: 59589

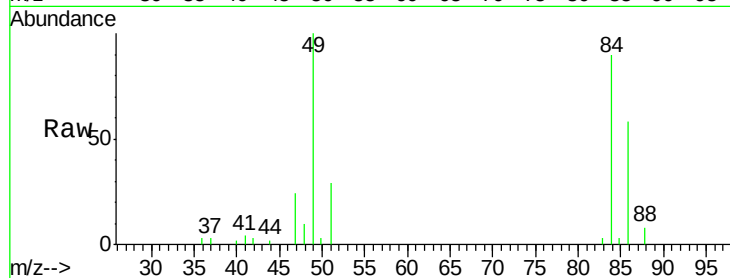
Ion Ratio Lower Upper

84 100

49 110.9 94.0 141.0

51 32.1 29.0 43.4

86 64.3 49.8 74.6

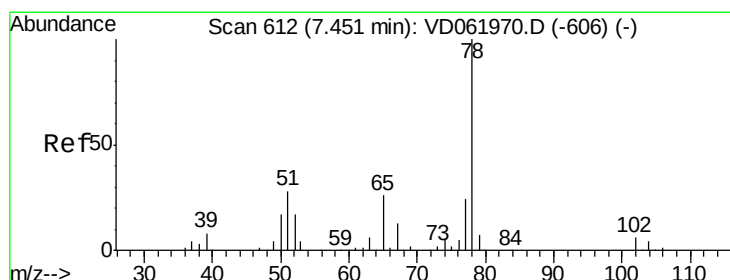
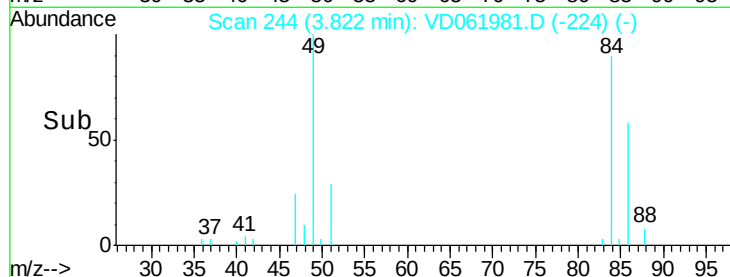
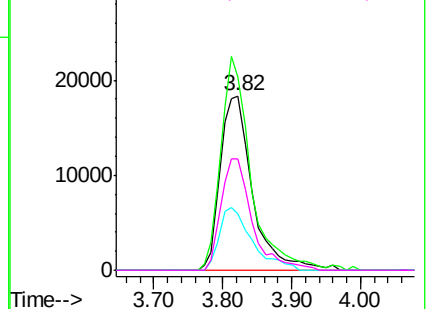


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061981.D

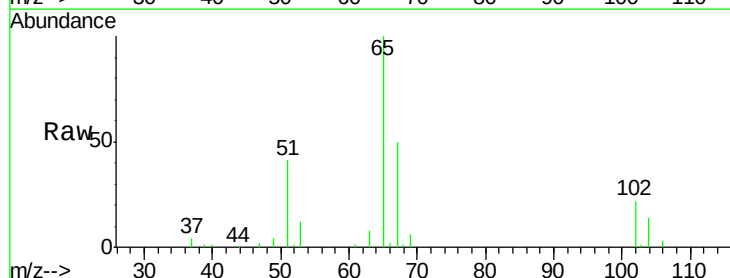
Acq: 23 Apr 2019 20:38

Tgt Ion: 65 Resp: 205465

Ion Ratio Lower Upper

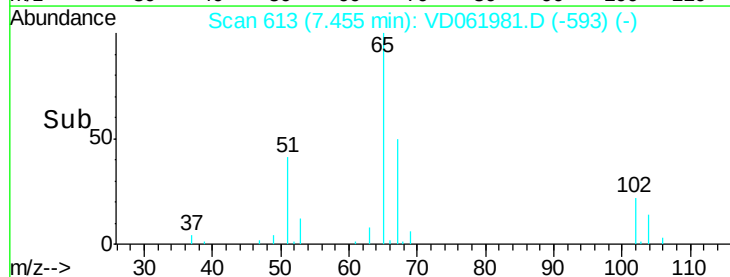
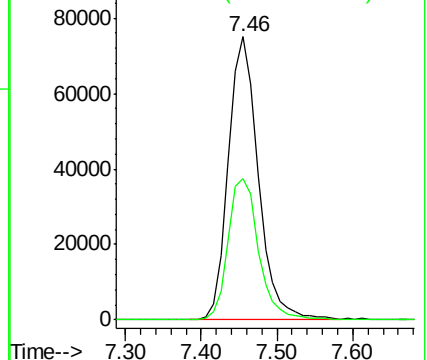
65 100

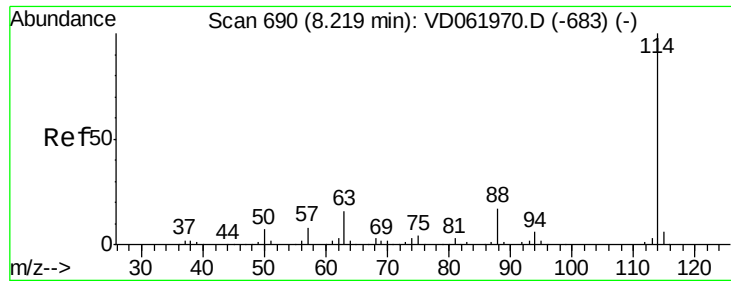
67 49.8 0.0 98.0



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: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-A

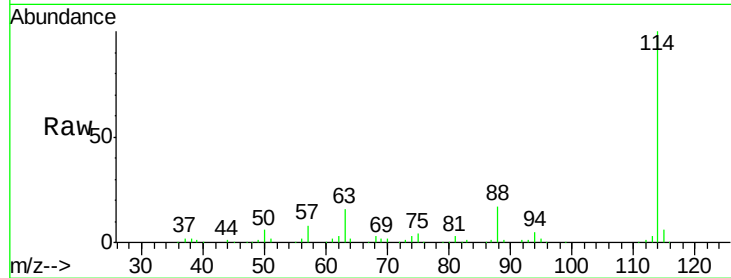
Tot Ion:114 Resp: 840453

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.4

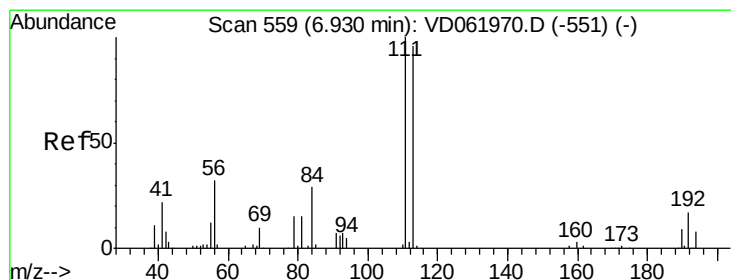
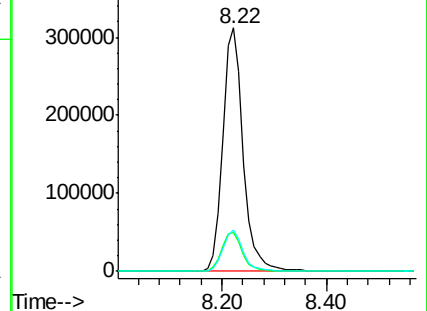
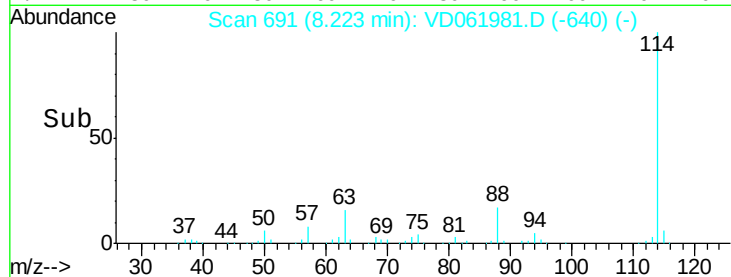
88 16.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

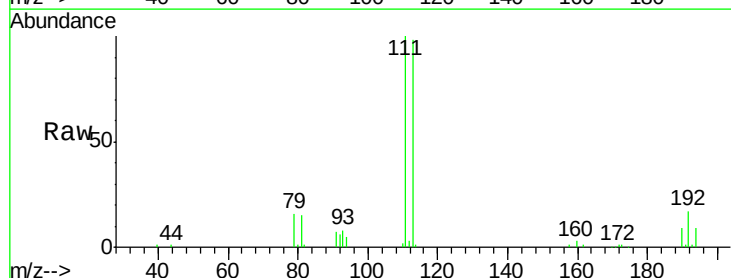
Tgt Ion:113 Resp: 305084

Ion Ratio Lower Upper

113 100

111 101.9 78.5 117.7

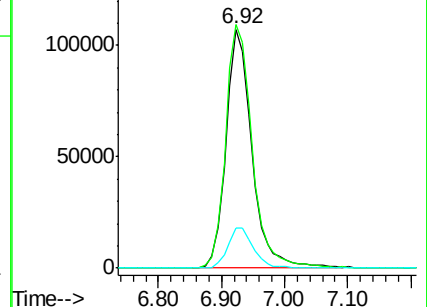
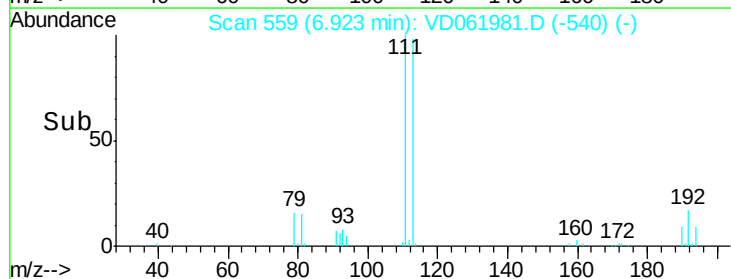
192 16.9 13.0 19.4

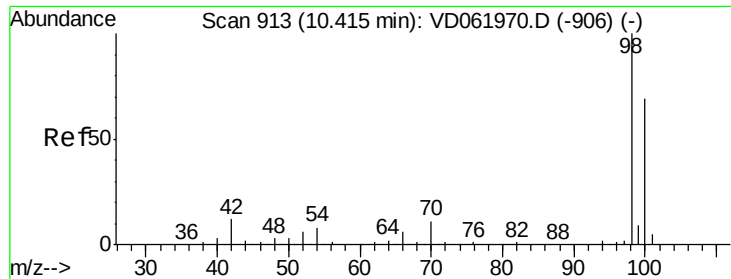


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

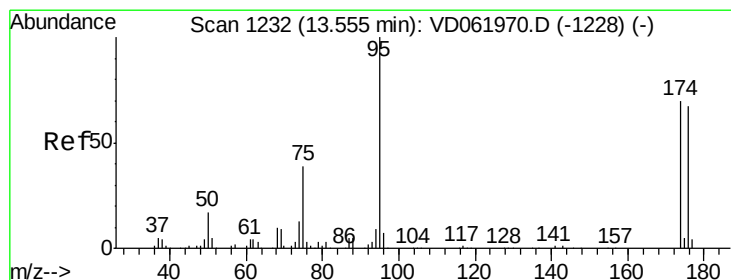
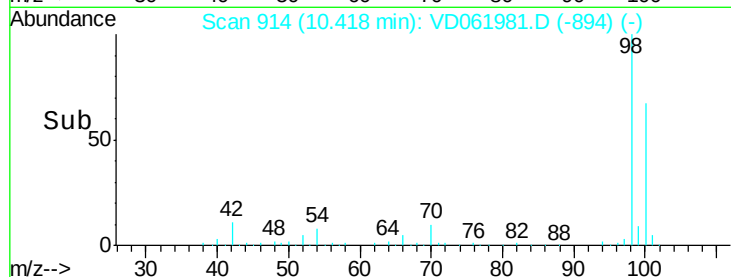
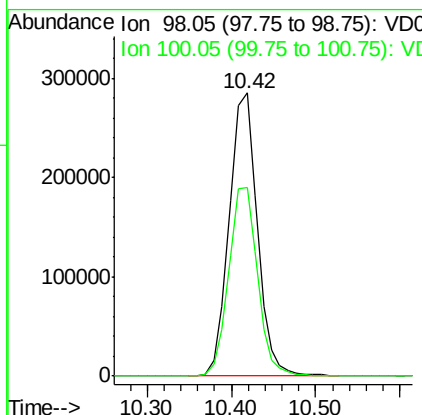
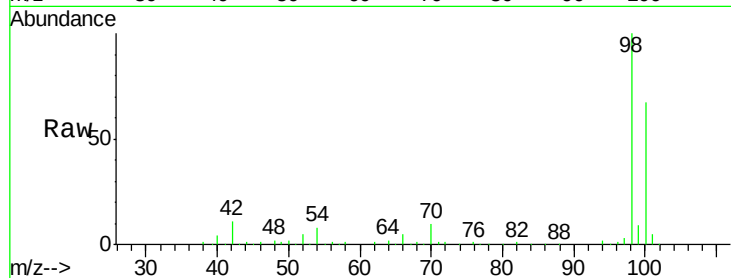




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

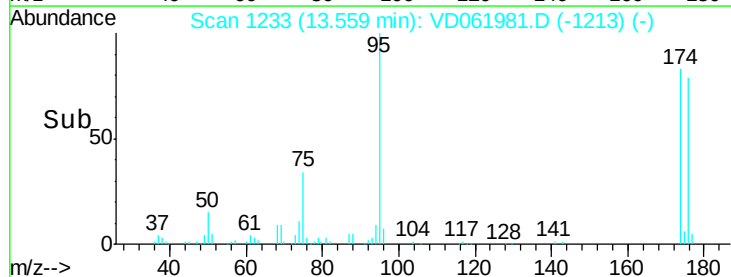
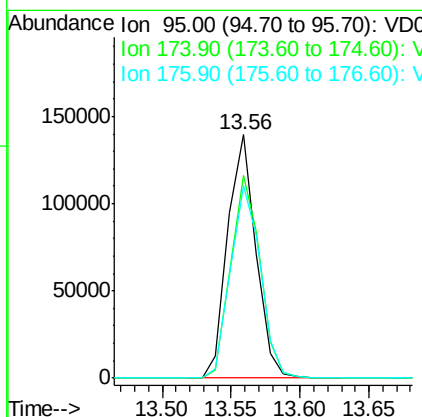
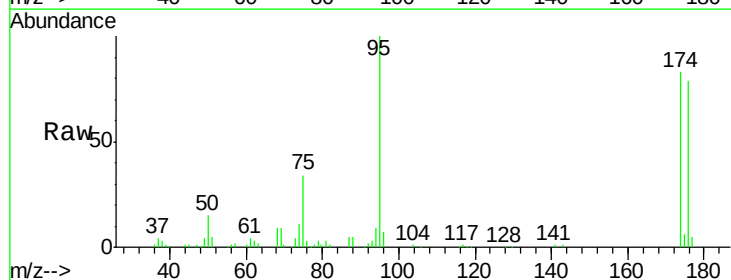
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-A

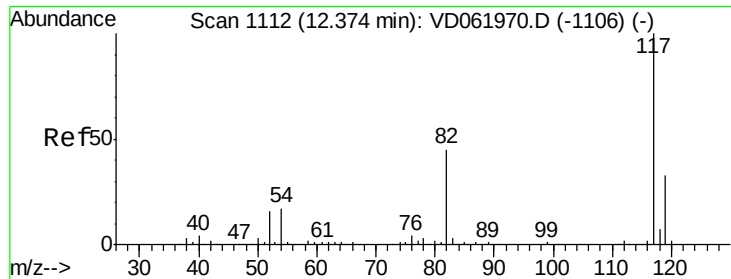
Tot Ion: 98 Resp: 665118
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.8



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Tgt Ion: 95 Resp: 198685
Ion Ratio Lower Upper
95 100
174 83.3 0.0 181.8
176 79.2 0.0 174.4

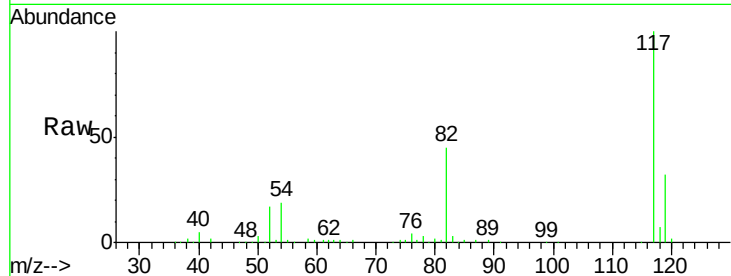




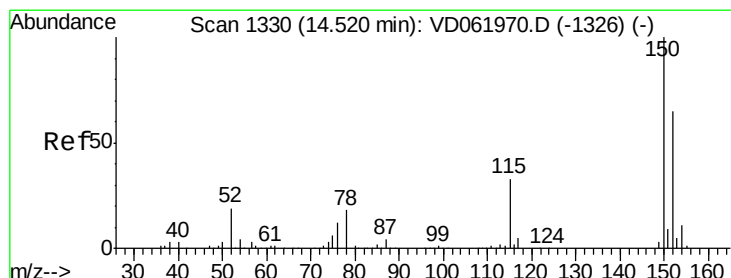
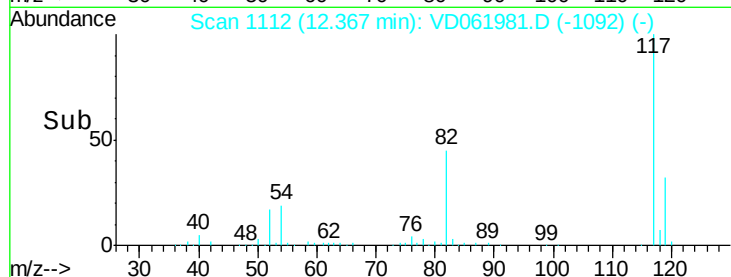
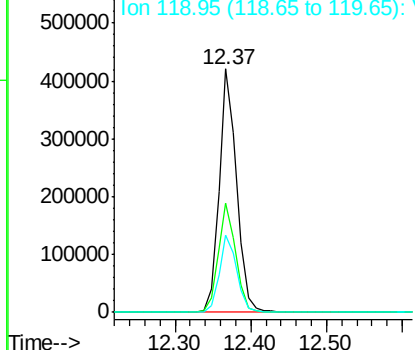
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Instrument :
MSVOA_D
ClientSampled :
SOIL-PILE-A

Tot Ion:117 Resp: 674652
Ion Ratio Lower Upper
117 100
82 45.0 36.2 54.2
119 32.0 26.2 39.4

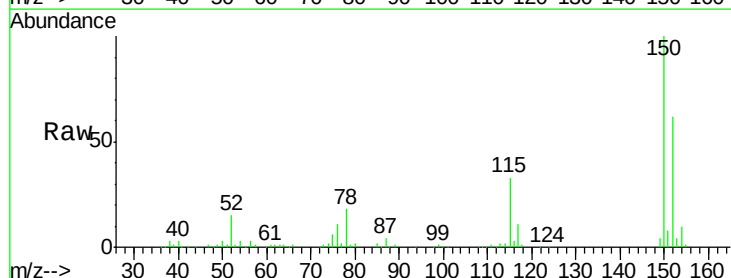


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Tgt Ion:152 Resp: 237164
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 160.0 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

