

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058321.D
 Acq On : 23 Jun 2018 4:44
 Operator : VA/AP
 Sample : J3622-04RE
 Misc : 4.59g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-ARE

Quant Time: Jun 25 01:07:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	47813	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	92598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	92779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	51688	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	64587	133.74	ug/l	0.02
Spiked Amount			Recovery	=	267.48%	
35) Dibromofluoromethane	5.57	113	47530	63.07	ug/l	0.02
Spiked Amount			Recovery	=	126.14%	
50) Toluene-d8	8.72	98	84924	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
62) 4-Bromofluorobenzene	11.94	95	49129	65.96	ug/l	0.00
Spiked Amount			Recovery	=	131.92%	

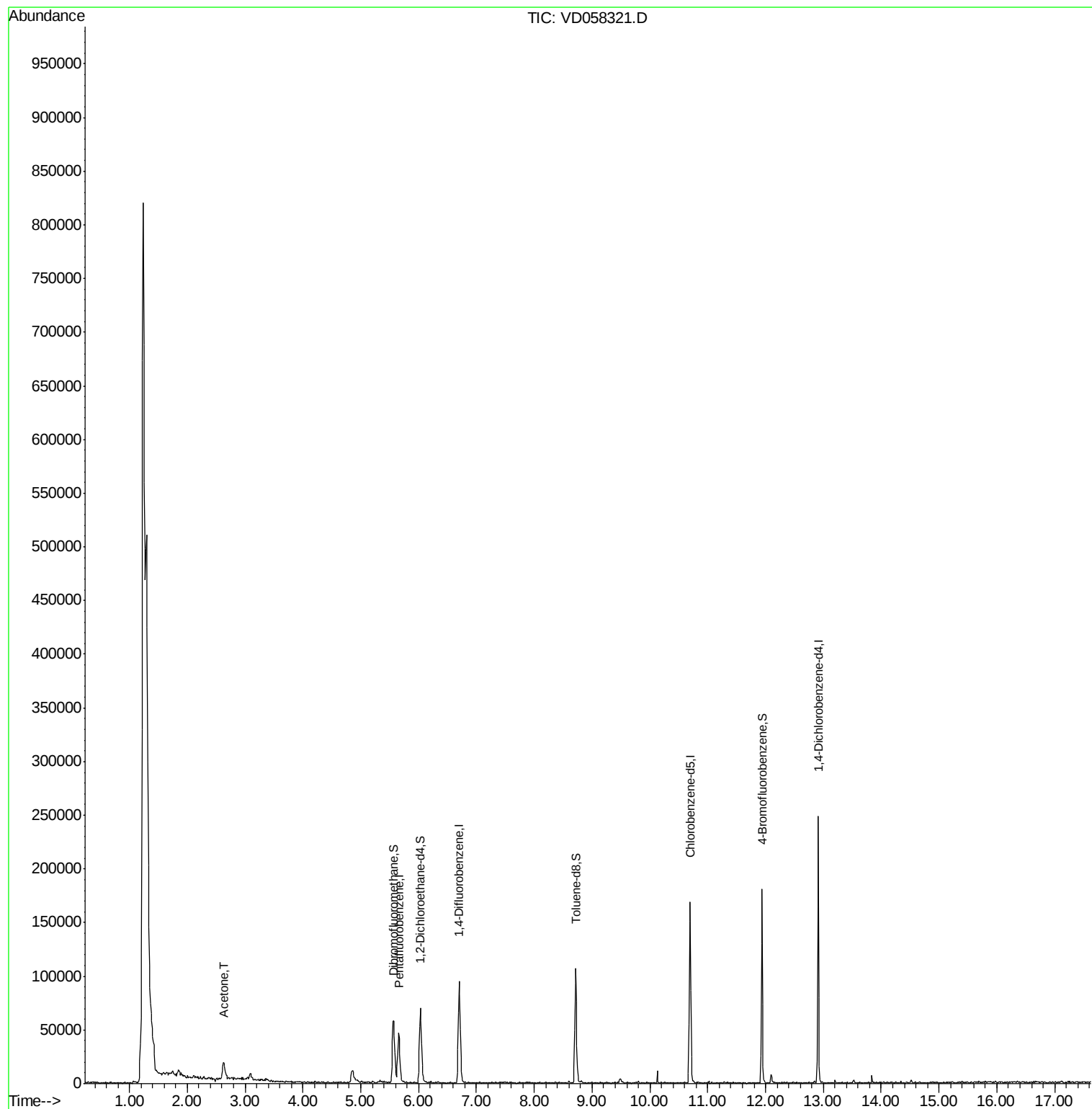
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.63	43	37941	574.46	ug/l	97

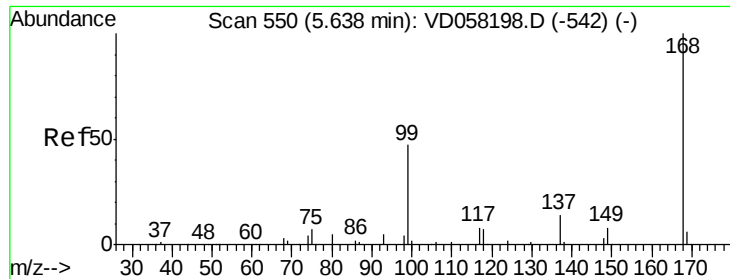
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058321.D
Acq On : 23 Jun 2018 4:44
Operator : VA/AP
Sample : J3622-04RE
Misc : 4.59g/5ml/MSVOA D/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-ARE

Quant Time: Jun 25 01:07:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058321.D

Acq: 23 Jun 2018 4:44

Instrument :

MSVOA_D

ClientSampleId :

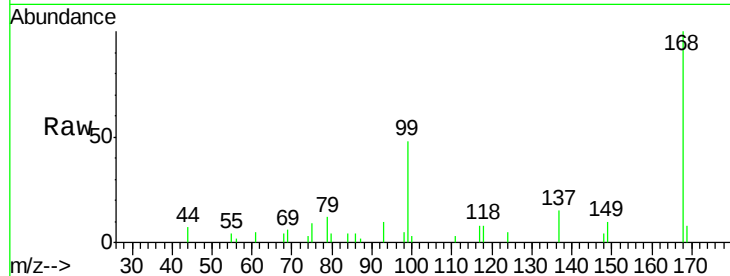
SP-ARE

Tot Ion:168 Resp: 47813

Ion Ratio Lower Upper

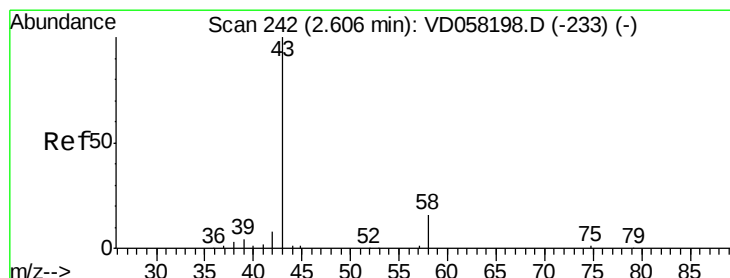
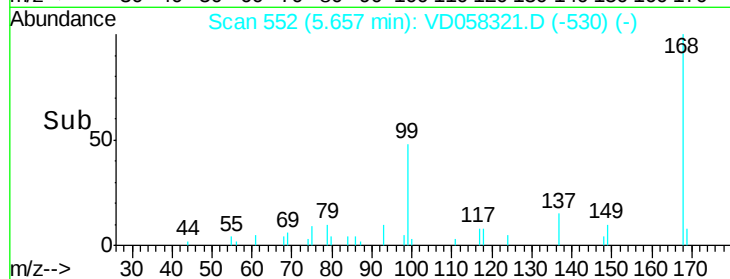
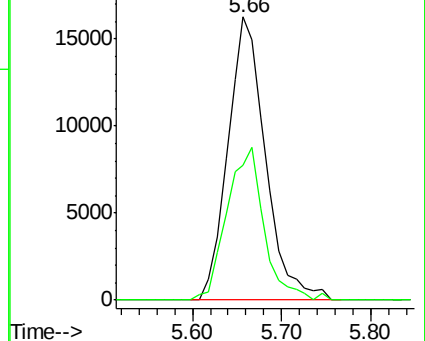
168 100

99 47.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 574.46 ug/l

RT: 2.63 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058321.D

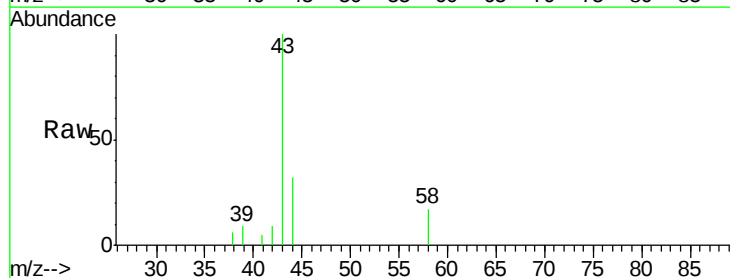
Acq: 23 Jun 2018 4:44

Tgt Ion: 43 Resp: 37941

Ion Ratio Lower Upper

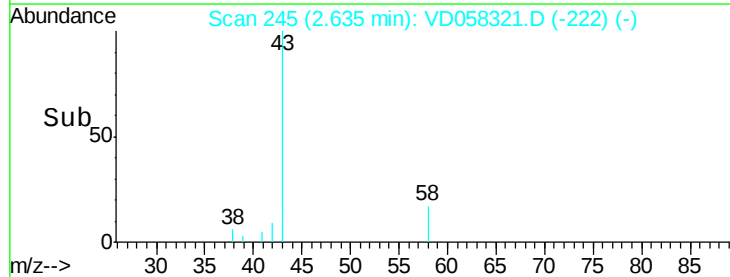
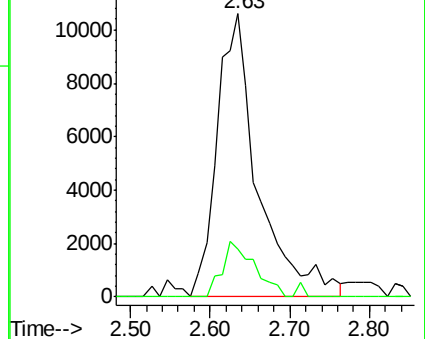
43 100

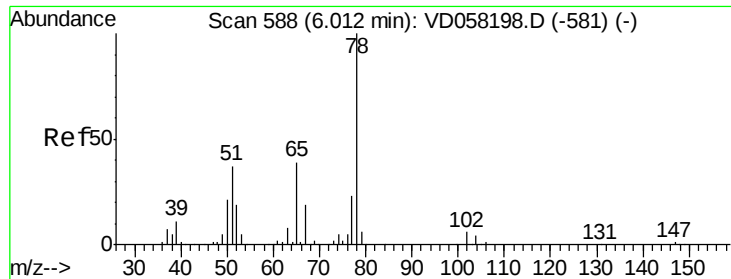
58 17.0 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058321.D

Acq: 23 Jun 2018 4:44

Instrument :

MSVOA_D

ClientSampled :

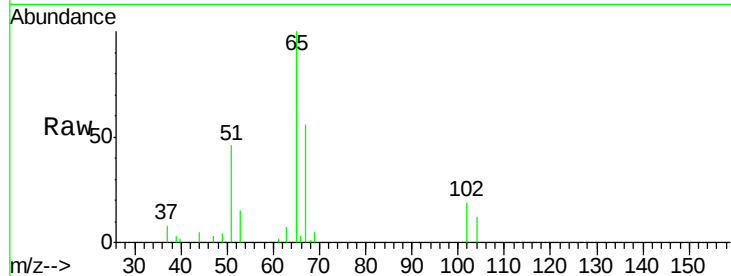
SP-ARE

Tot Ion: 65 Resp: 64587

Ion Ratio Lower Upper

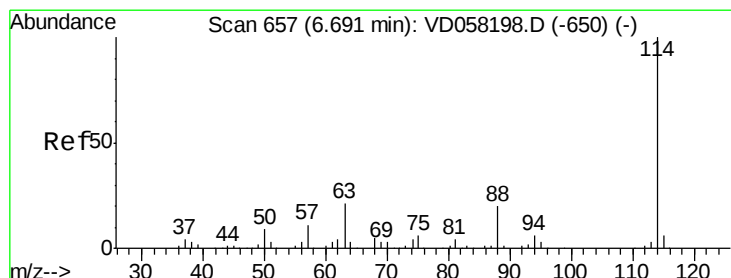
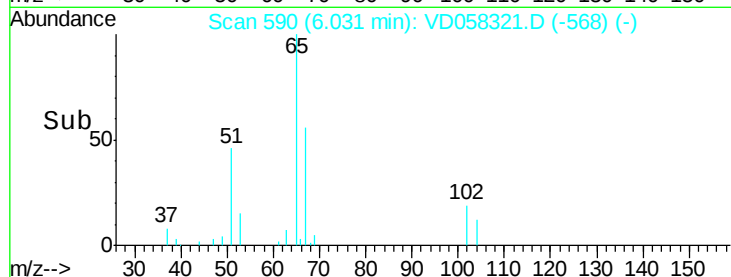
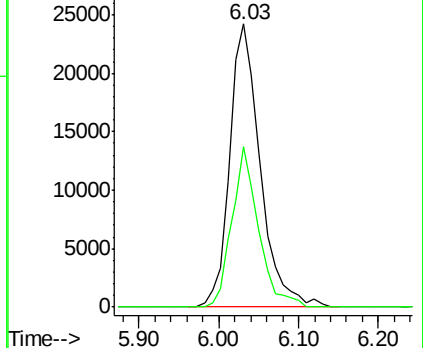
65 100

67 56.5 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058321.D

Acq: 23 Jun 2018 4:44

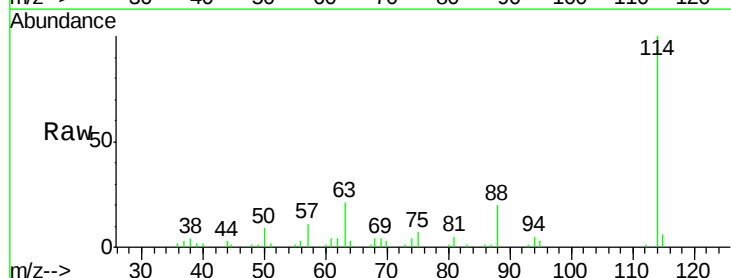
Tgt Ion: 114 Resp: 92598

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

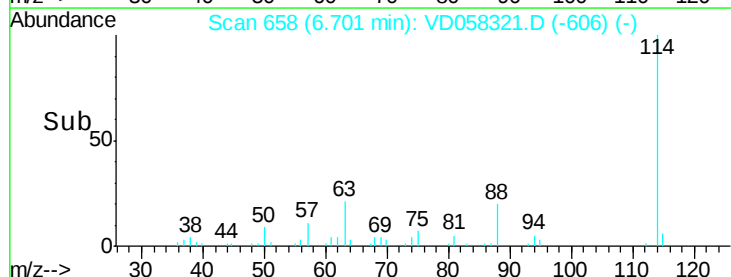
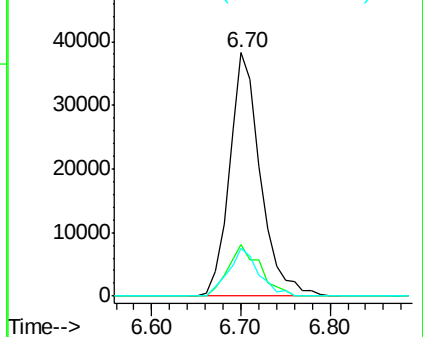
88 19.8 0.0 40.6

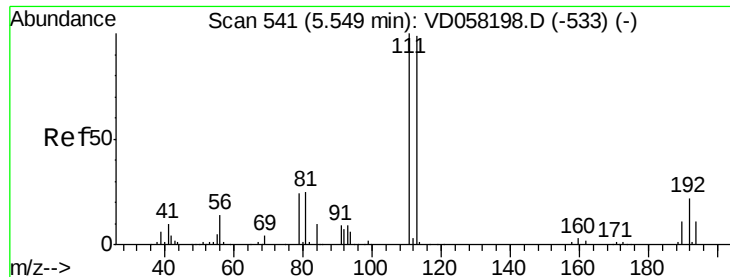


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

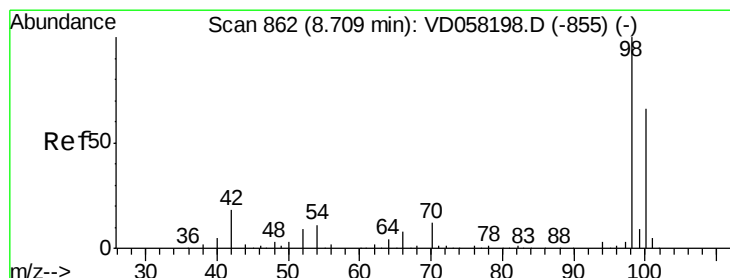
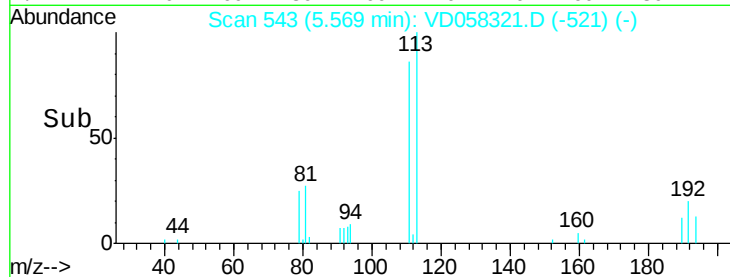
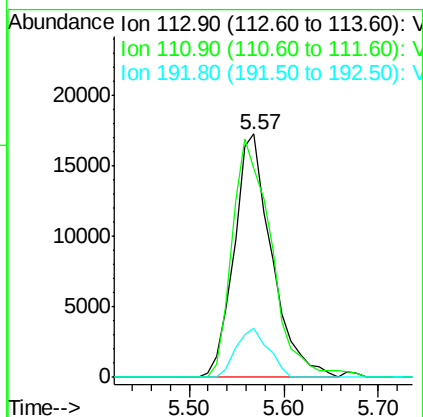
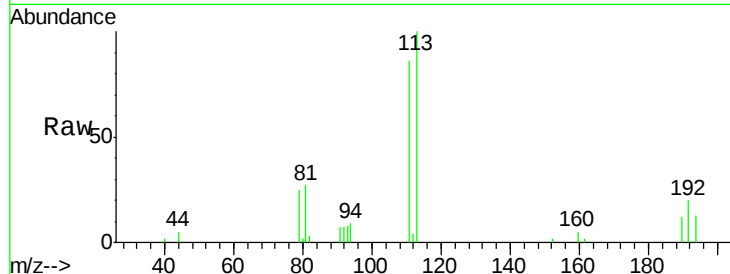




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058321.D
 Acq: 23 Jun 2018 4:44

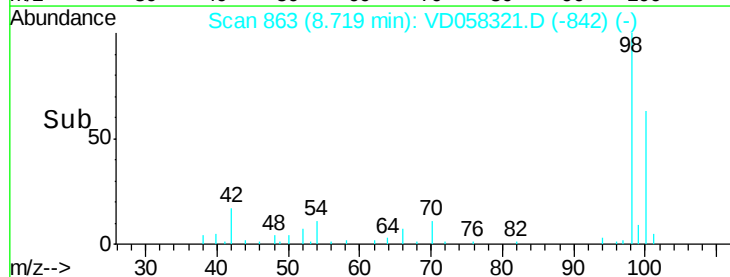
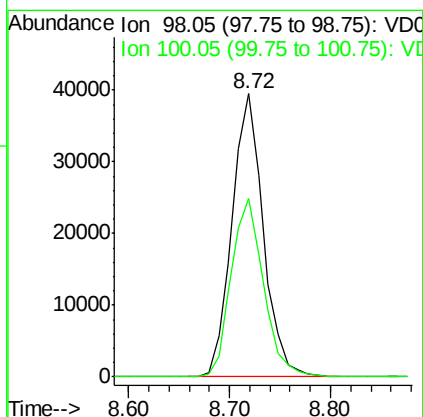
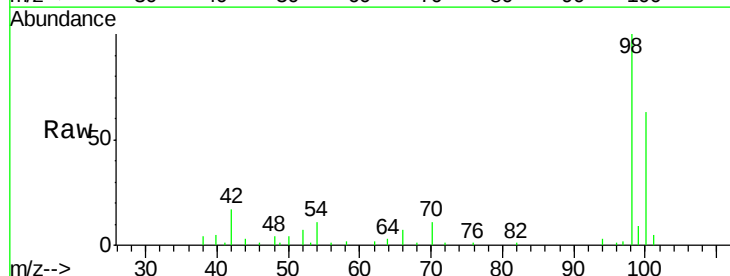
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-ARE

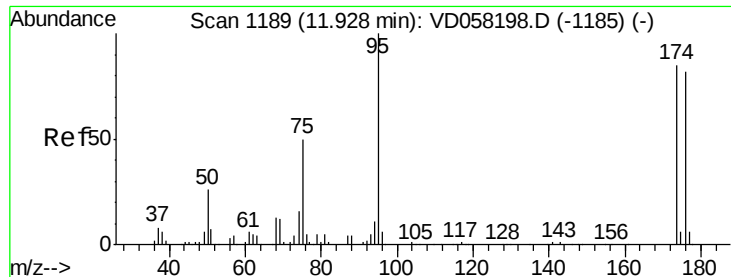
Tot Ion:113 Resp: 47530
 Ion Ratio Lower Upper
 113 100
 111 86.0 80.6 121.0
 192 20.4 17.8 26.6



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 8.72 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD058321.D
 Acq: 23 Jun 2018 4:44

Tgt Ion: 98 Resp: 84924
 Ion Ratio Lower Upper
 98 100
 100 62.9 53.6 80.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058321.D

Acq: 23 Jun 2018 4:44

Instrument :

MSVOA_D

ClientSampleId :

SP-ARE

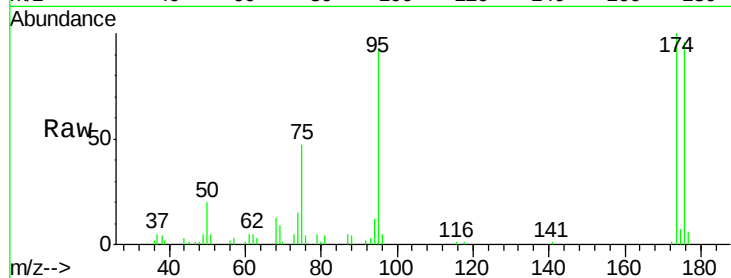
Tot Ion: 95 Resp: 49129

Ion Ratio Lower Upper

95 100

174 107.9 0.0 170.2

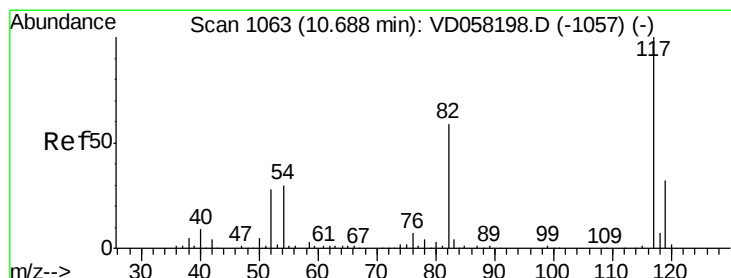
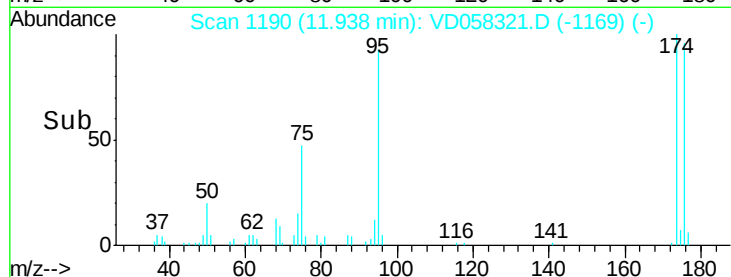
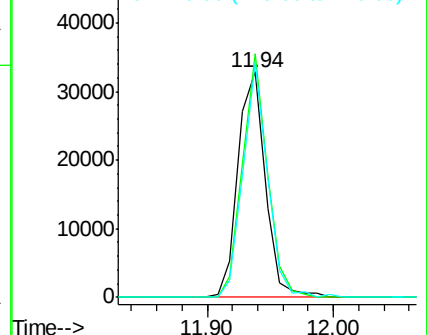
176 103.8 0.0 164.6



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: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058321.D

Acq: 23 Jun 2018 4:44

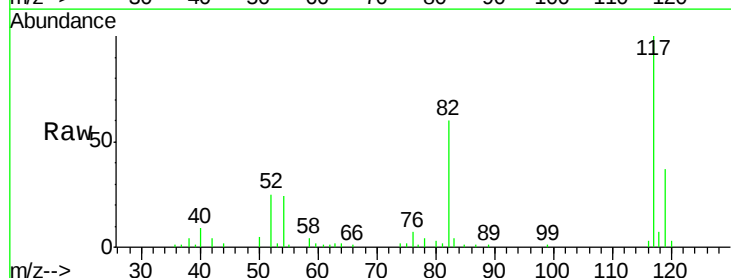
Tgt Ion: 117 Resp: 92779

Ion Ratio Lower Upper

117 100

82 60.1 47.0 70.6

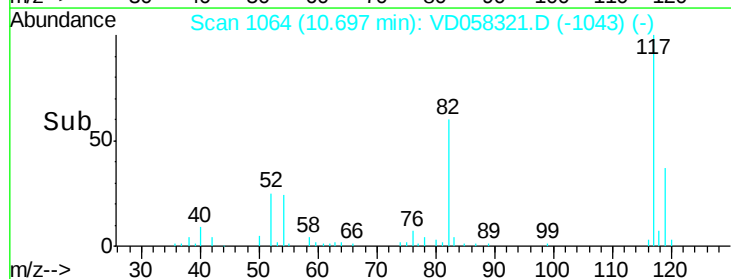
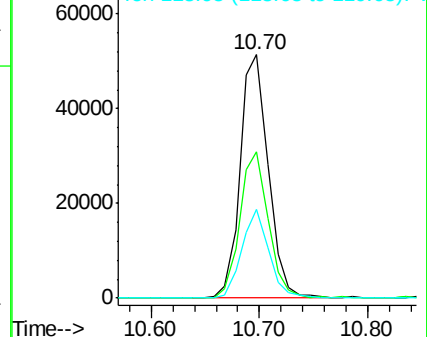
119 36.6 25.3 37.9

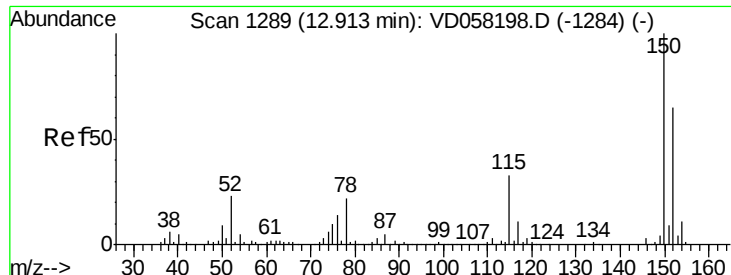


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058321.D

Acq: 23 Jun 2018 4:44

Instrument :

MSVOA_D

ClientSampleId :

SP-ARE

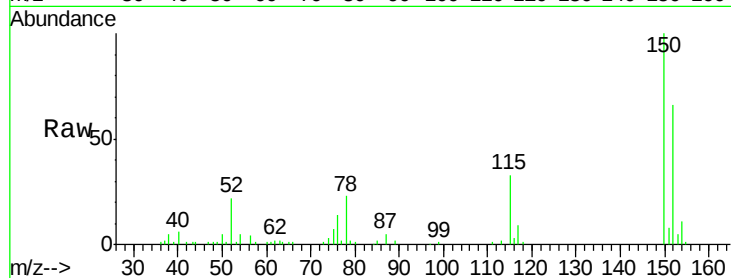
Tot Ion:152 Resp: 51688

Ion Ratio Lower Upper

152 100

115 49.9 25.1 75.3

150 152.3 0.0 308.8



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

