

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058047.D
 Acq On : 9 Jun 2018 6:51
 Operator : VA/AP
 Sample : J3353-02
 Misc : 6.49g/5ml/MSVOA D/SOIL
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EPE-109-1(55-57)

Quant Time: Jun 11 04:22:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	146984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	246777	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	253525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	147689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	183563	124.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	249.84%	
35) Dibromofluoromethane	5.54	113	143349	75.08	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	150.16%	
50) Toluene-d8	8.70	98	285963	63.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.00%	
62) 4-Bromofluorobenzene	11.93	95	152293	76.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	153.82%	

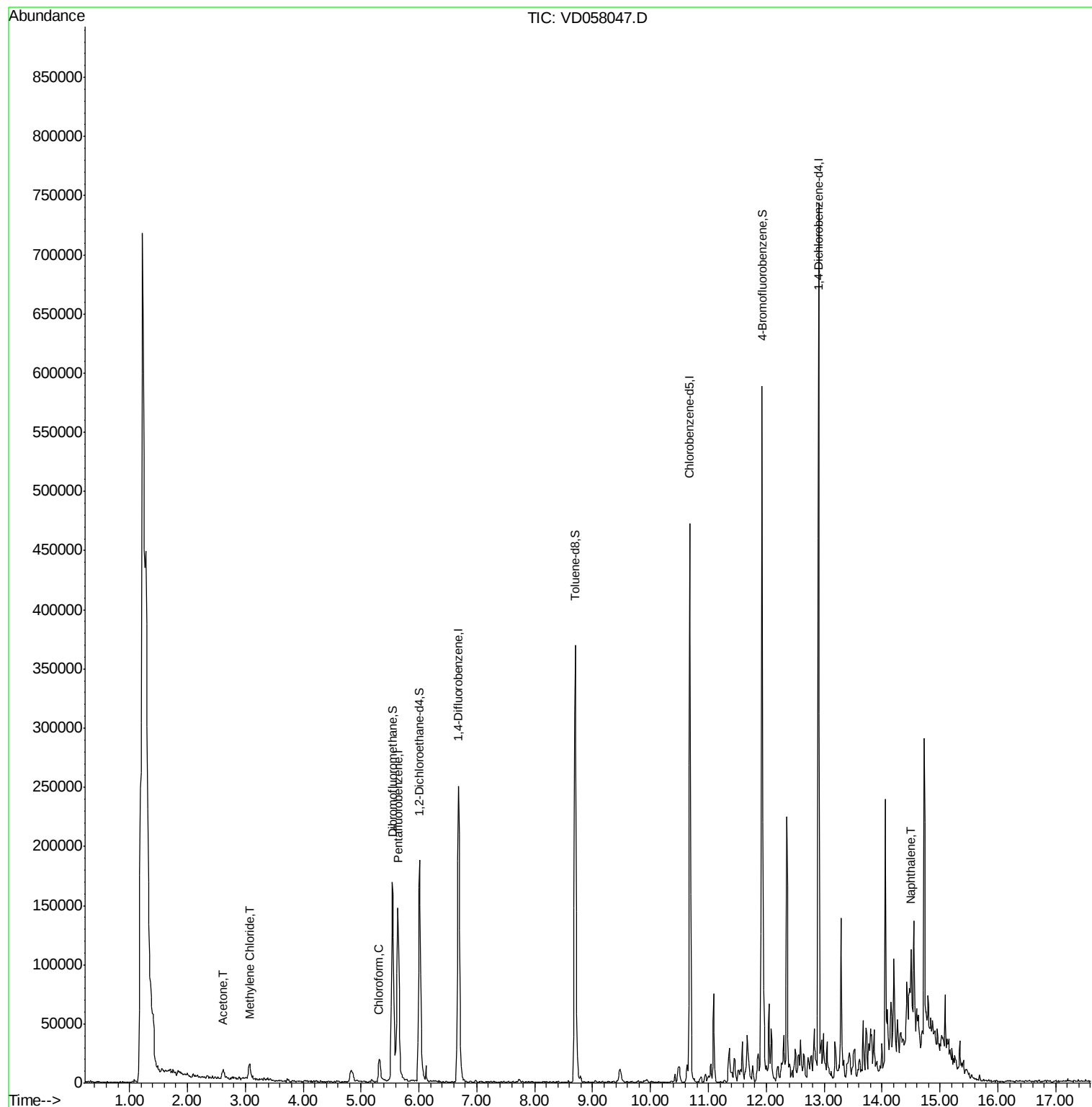
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.62	43	19561	92.39	ug/l #	87
20) Methylene Chloride	3.08	84	6464	5.86	ug/l #	79
30) Chloroform	5.32	83	21358	7.17	ug/l	85
95) Naphthalene	14.51	128	23060	4.84	ug/l	98

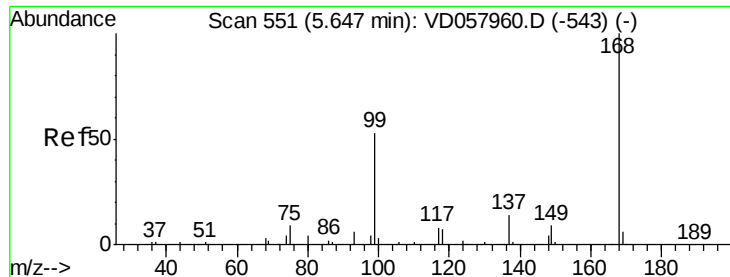
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :

MSVOA_D

ClientSampleId :

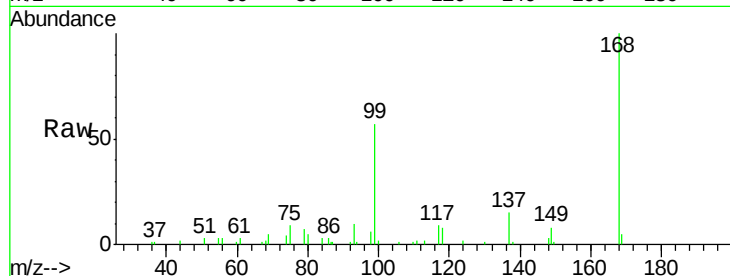
EPE-109-1(55-57)

Tot Ion:168 Resp: 146984

Ion Ratio Lower Upper

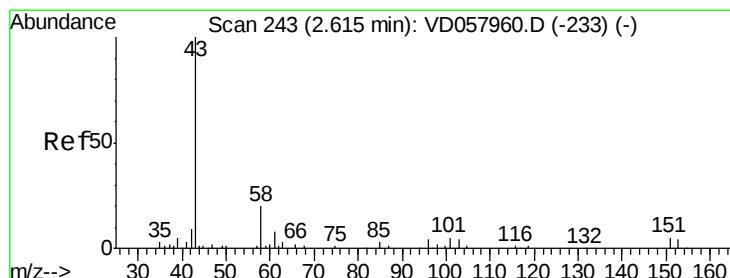
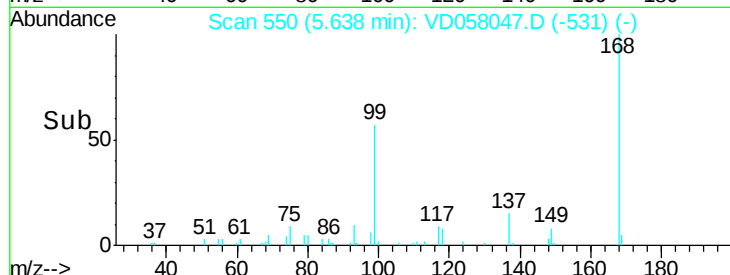
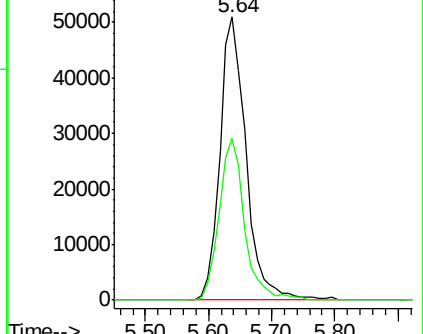
168 100

99 57.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 92.39 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058047.D

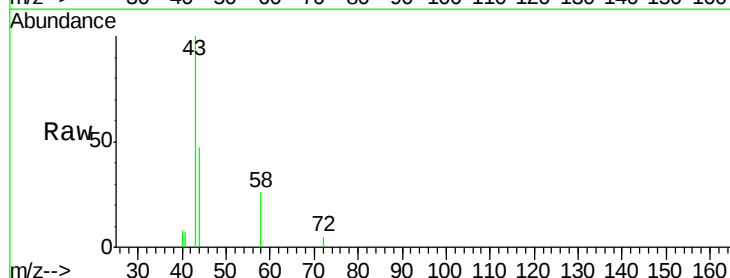
Acq: 9 Jun 2018 6:51

Tgt Ion: 43 Resp: 19561

Ion Ratio Lower Upper

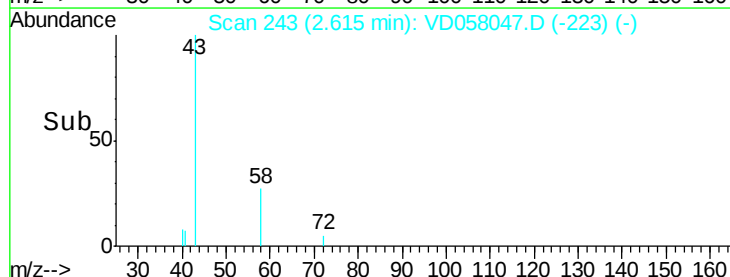
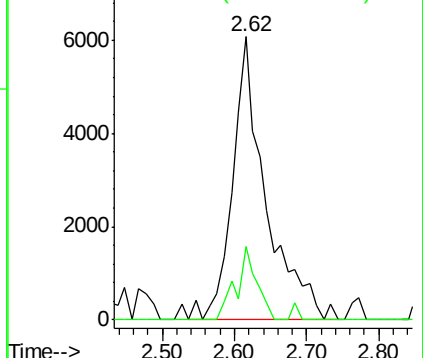
43 100

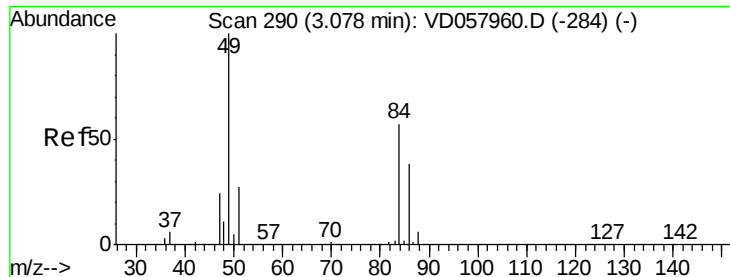
58 25.9 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

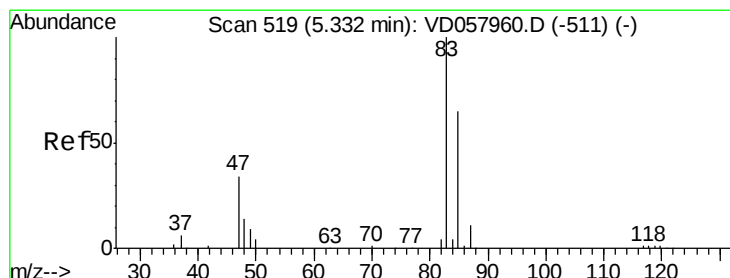
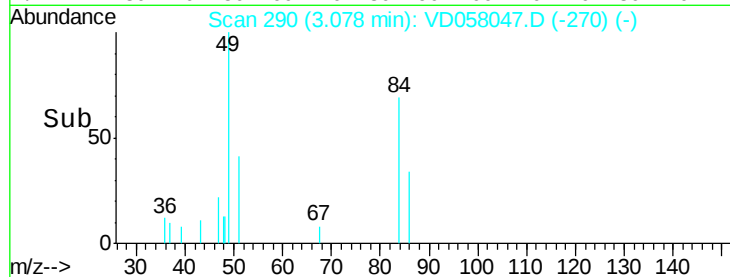
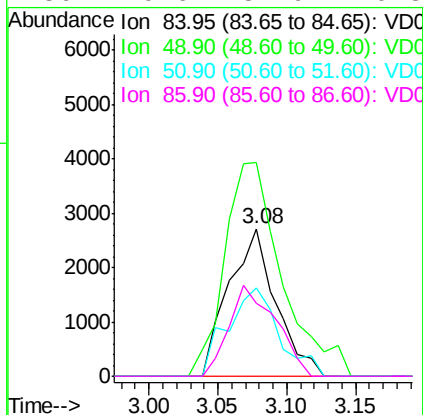
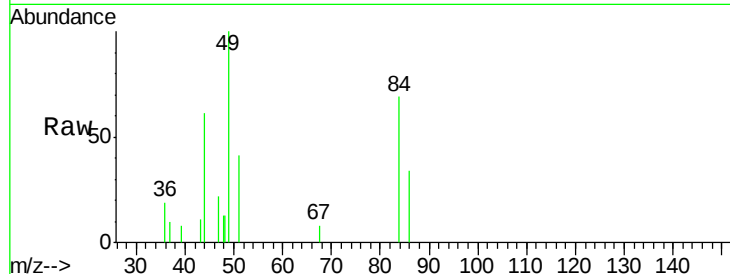




#20
Methylene Chloride
Concen: 5.86 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

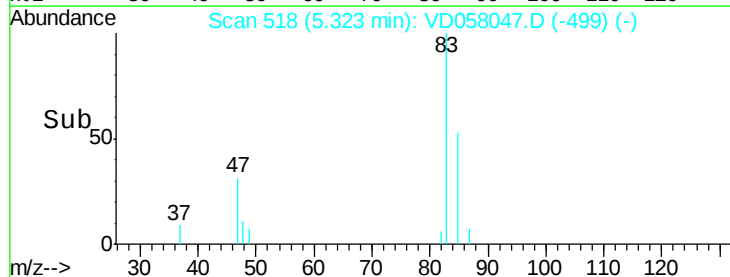
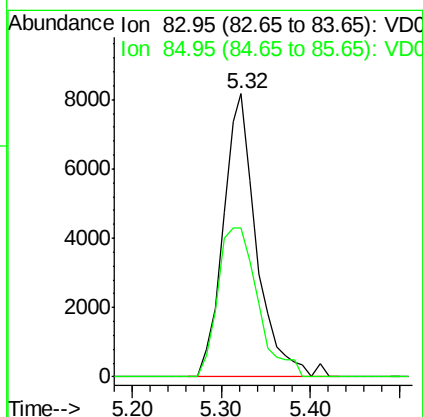
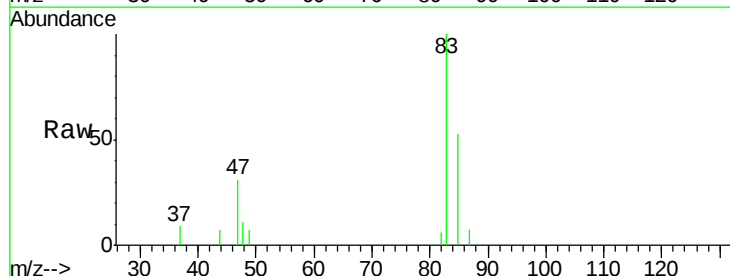
Instrument :
MSVOA_D
ClientSampleId :
EPE-109-1(55-57)

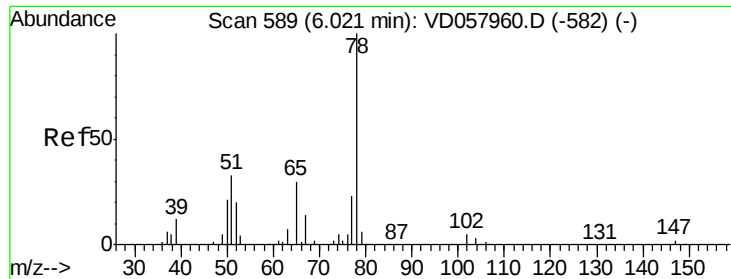
Tot Ion: 84 Resp: 6464
Ion Ratio Lower Upper
84 100
49 144.8 141.4 212.0
51 59.5 38.3 57.5#
86 49.6 52.9 79.3#



#30
Chloroform
Concen: 7.17 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

Tgt Ion: 83 Resp: 21358
Ion Ratio Lower Upper
83 100
85 52.6 51.6 77.4

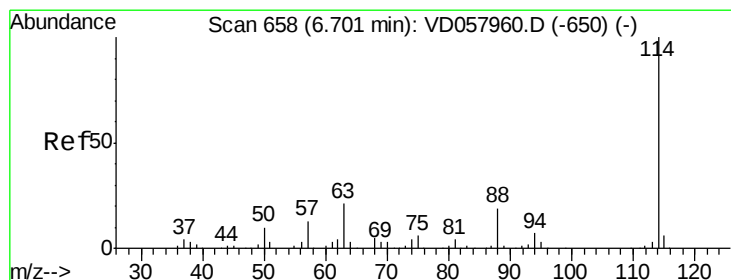
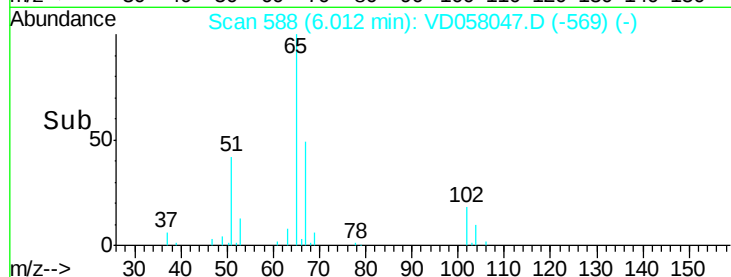
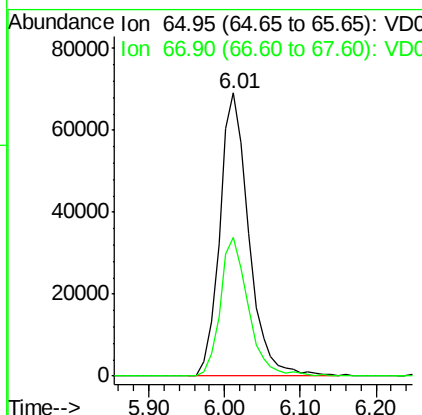
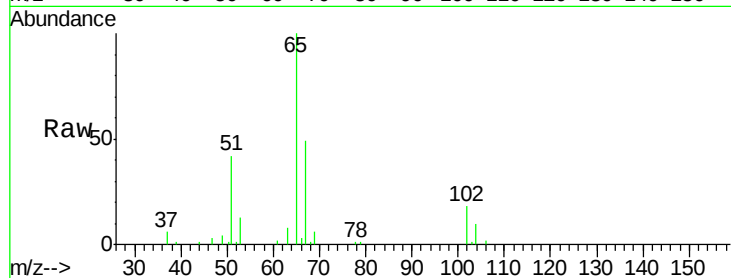




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058047.D
 Acq: 9 Jun 2018 6:51

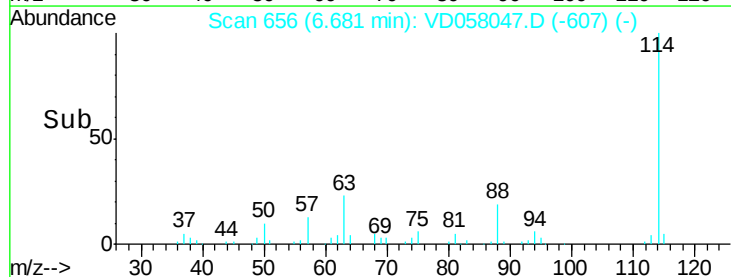
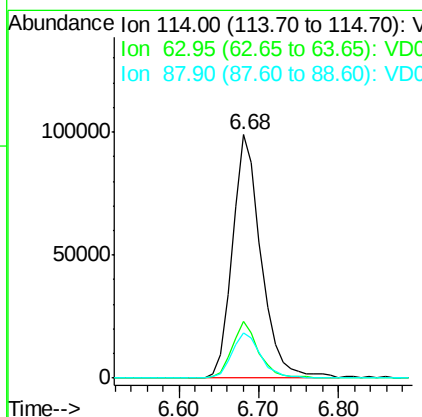
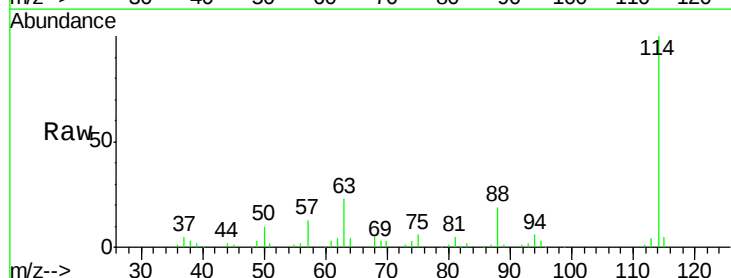
Instrument :
 MSVOA_D
 ClientSampleId :
 EPE-109-1(55-57)

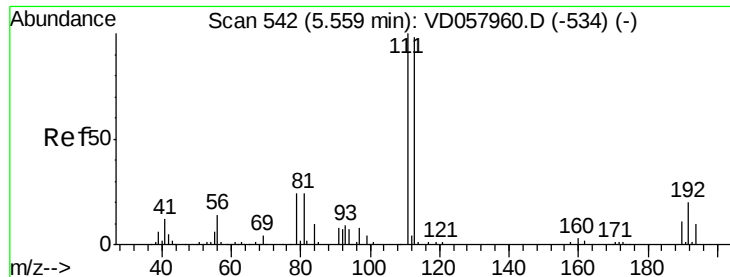
Tot Ion: 65 Resp: 183563
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058047.D
 Acq: 9 Jun 2018 6:51

Tgt Ion: 114 Resp: 246777
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.8
 88 18.7 0.0 37.8

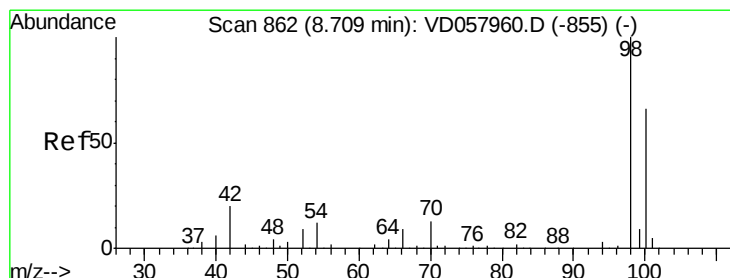
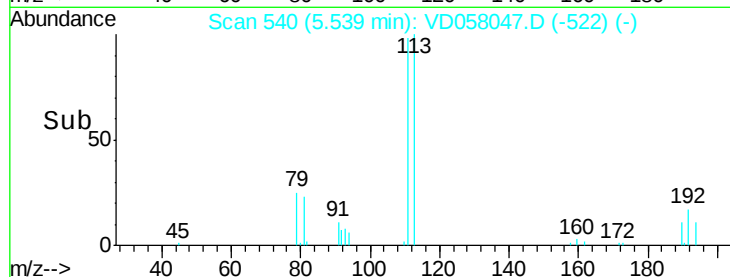
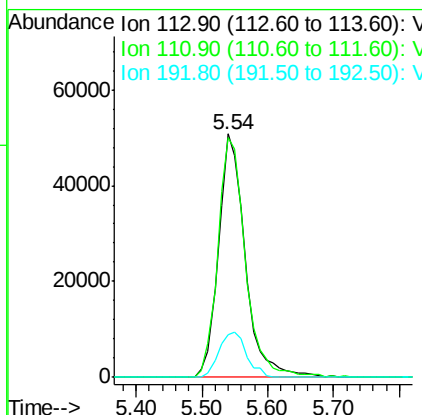
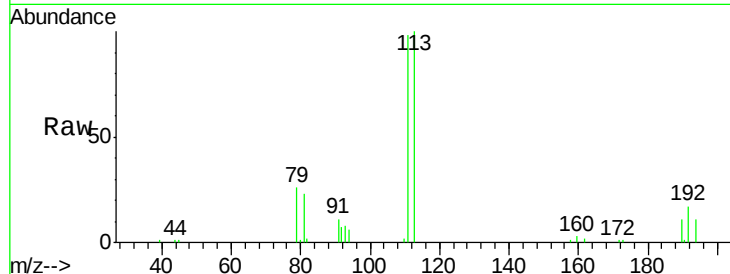




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.02 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

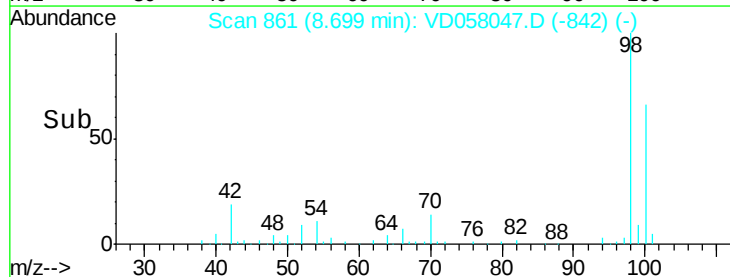
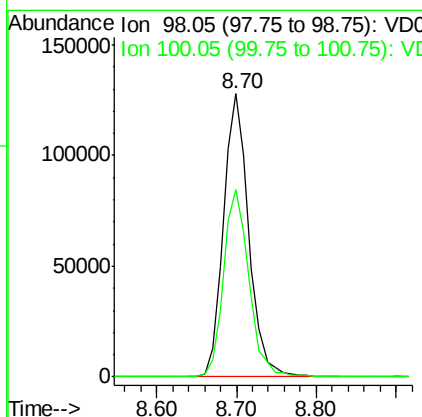
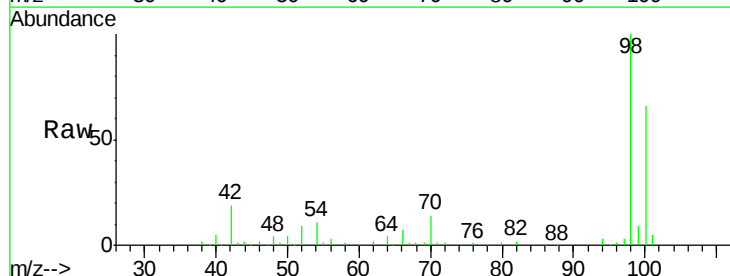
Instrument :
MSVOA_D
ClientSampleId :
EPE-109-1(55-57)

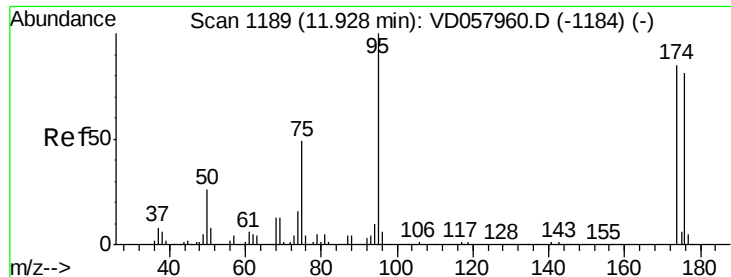
Tot Ion:113 Resp: 143349
Ion Ratio Lower Upper
113 100
111 98.3 81.5 122.3
192 17.3 16.4 24.6



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

Tgt Ion: 98 Resp: 285963
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :

MSVOA_D

ClientSampleId :

EPE-109-1(55-57)

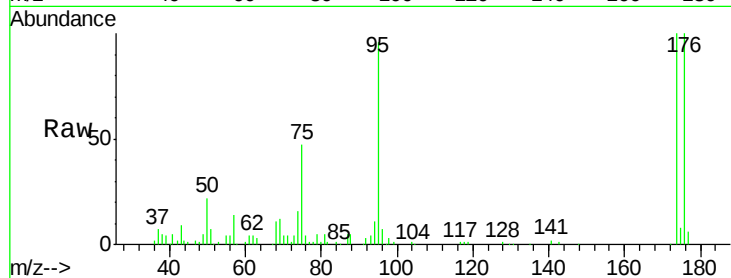
Tot Ion: 95 Resp: 152293

Ion Ratio Lower Upper

95 100

174 104.5 0.0 169.4

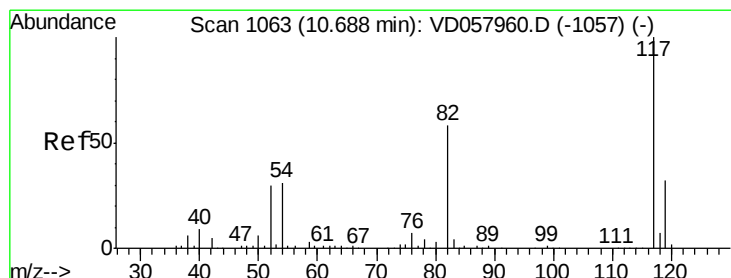
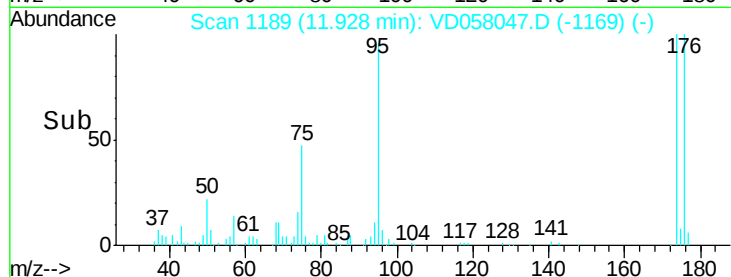
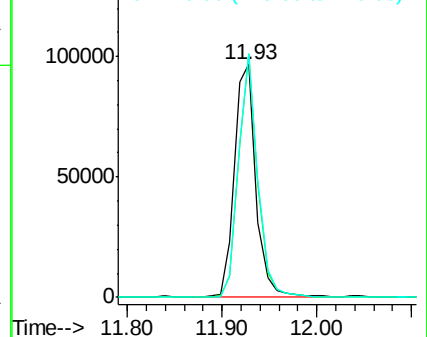
176 104.6 0.0 162.6



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: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

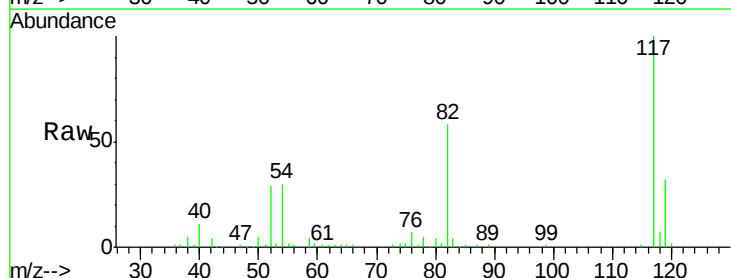
Tgt Ion: 117 Resp: 253525

Ion Ratio Lower Upper

117 100

82 57.6 46.8 70.2

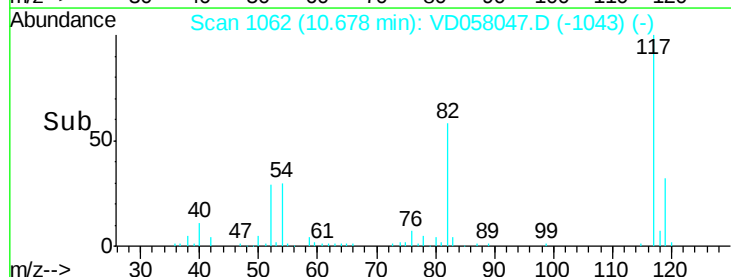
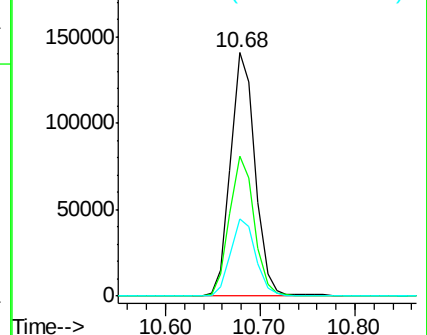
119 31.7 25.8 38.6

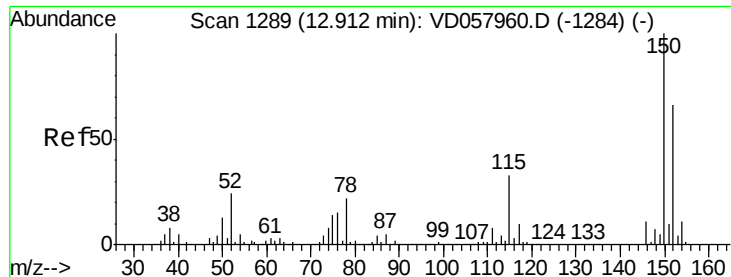


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

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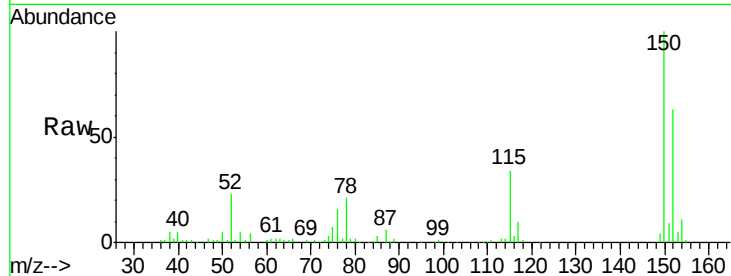
Tot Ion:152 Resp: 147689

Ion Ratio Lower Upper

152 100

115 53.5 25.6 76.6

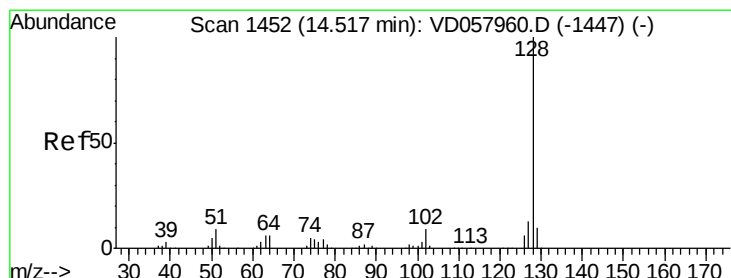
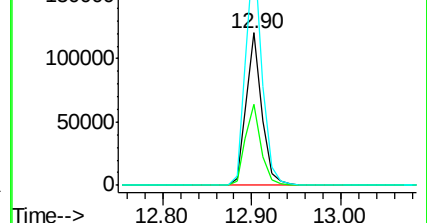
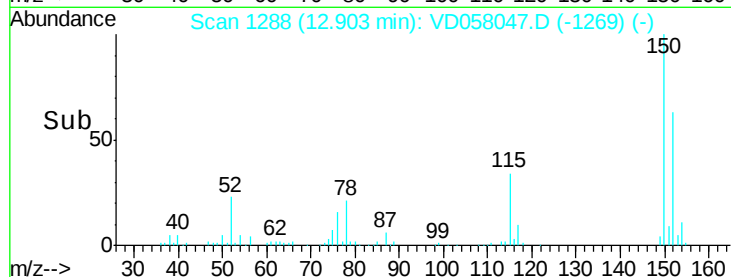
150 159.5 0.0 306.8



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: 4.84 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

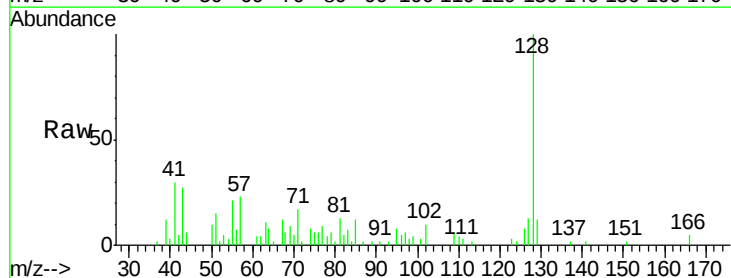
Tgt Ion:128 Resp: 23060

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 11.8 8.2 12.2



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

