

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059431.D
 Acq On : 26 Jun 2018 18:45
 Operator : VA/AP
 Sample : J3676-09
 Misc : 4.25g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-9-13

Quant Time: Jun 27 07:13:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	231792	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	324860	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	225436	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	78951	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	165825	69.96	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	139.92%	
35) Dibromofluoromethane	5.53	113	148045	55.95	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.90%	
50) Toluene-d8	8.69	98	200699	32.44	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	64.88%	
62) 4-Bromofluorobenzene	11.92	95	84344	32.78	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	65.56%	

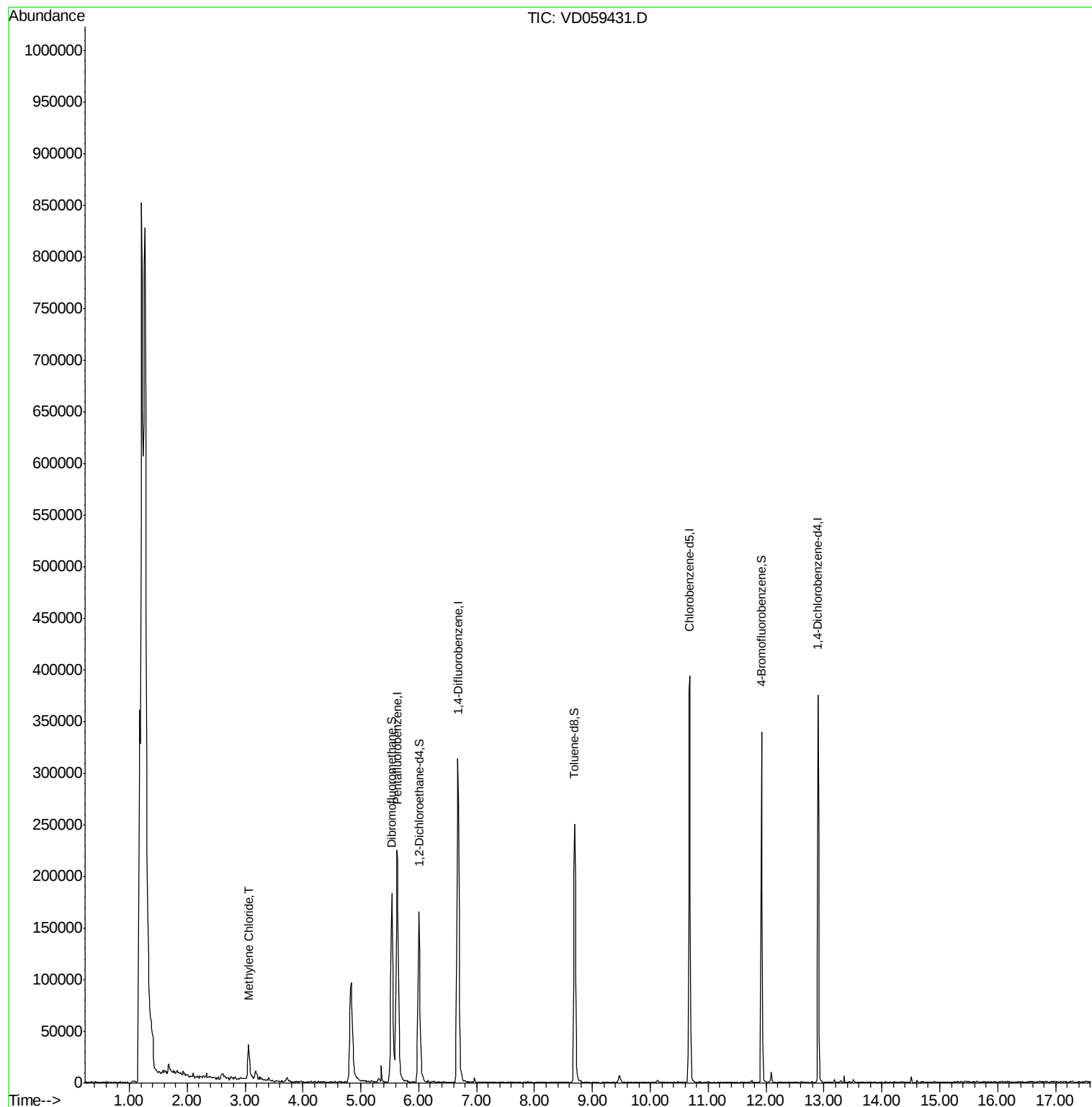
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.06	84	16955	18.88	ug/l	88

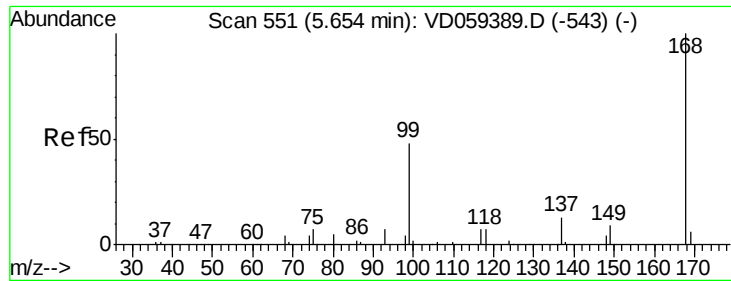
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.03 min

Lab File: VD059431.D

Acq: 26 Jun 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

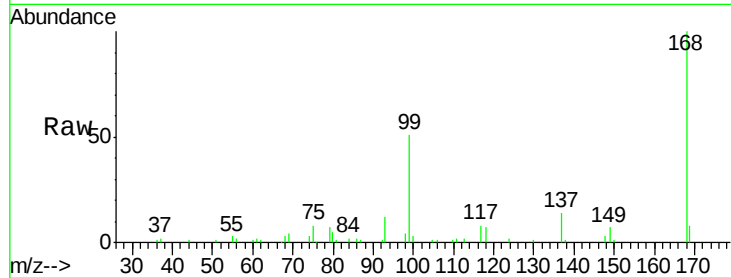
RO-9-13

Tot Ion:168 Resp: 231792

Ion Ratio Lower Upper

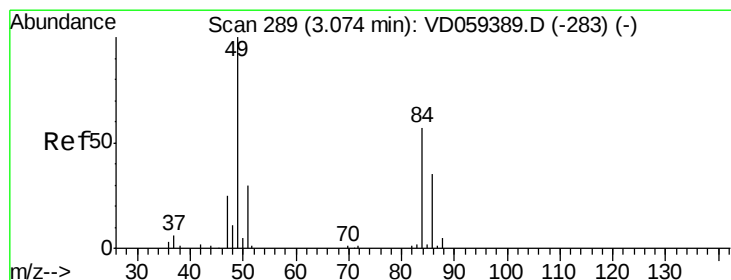
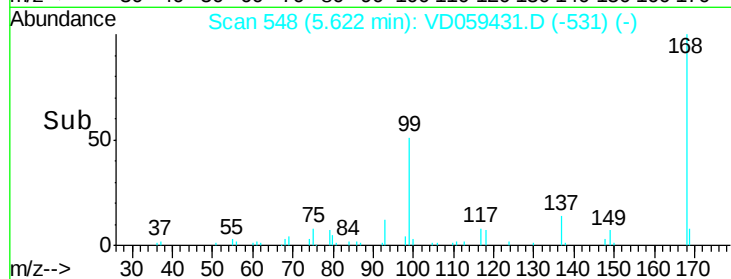
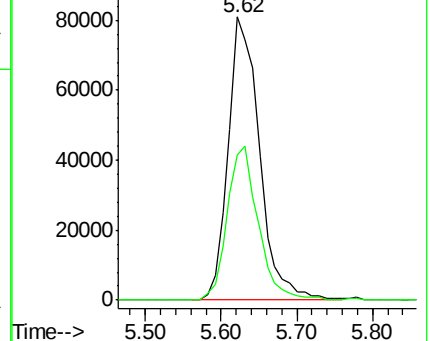
168 100

99 51.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 18.88 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD059431.D

Acq: 26 Jun 2018 18:45

Tgt Ion: 84 Resp: 16955

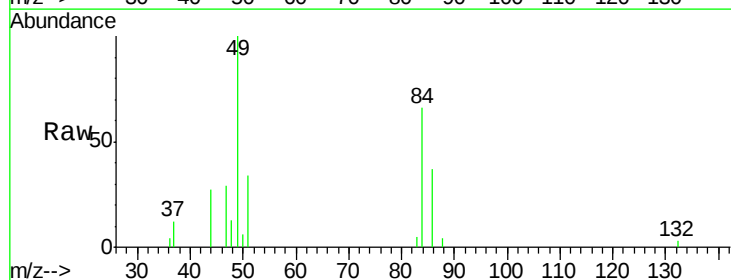
Ion Ratio Lower Upper

84 100

49 151.4 140.3 210.5

51 51.0 41.6 62.4

86 55.8 49.4 74.2

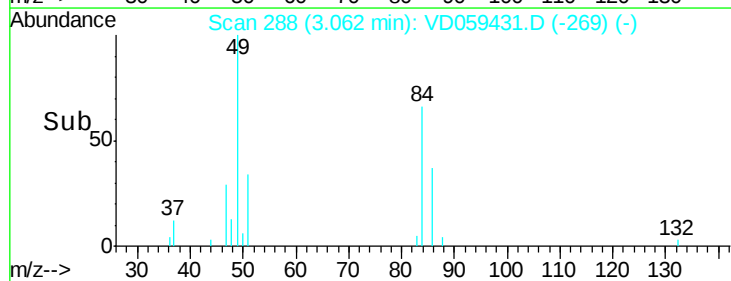
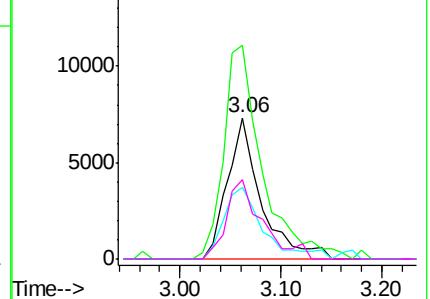


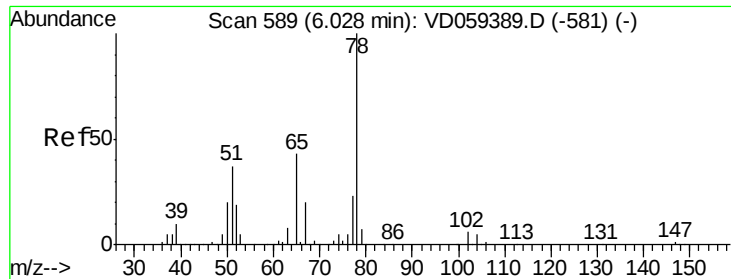
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059431.D

Acq: 26 Jun 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

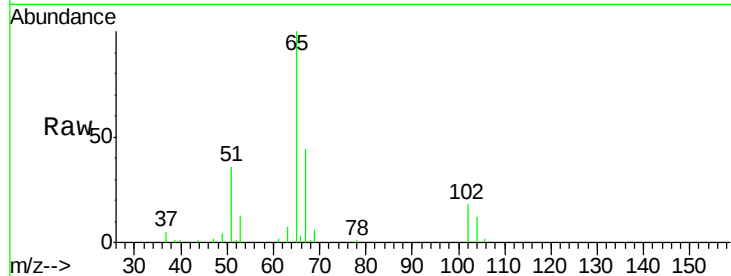
RO-9-13

Tot Ion: 65 Resp: 165825

Ion Ratio Lower Upper

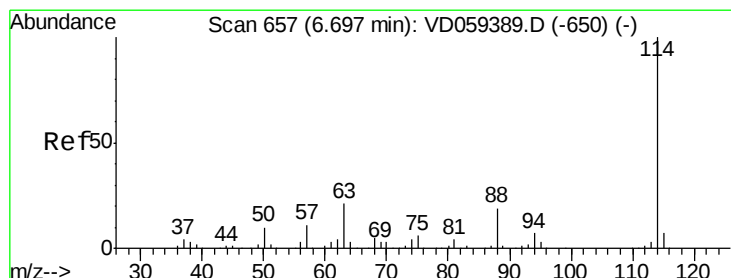
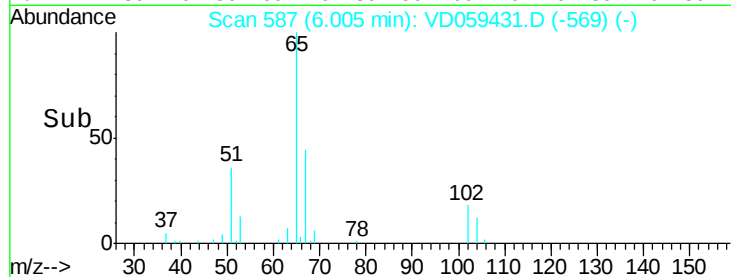
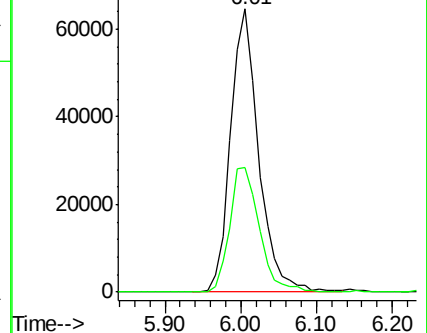
65 100

67 44.0 0.0 93.8



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: 6.67 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059431.D

Acq: 26 Jun 2018 18:45

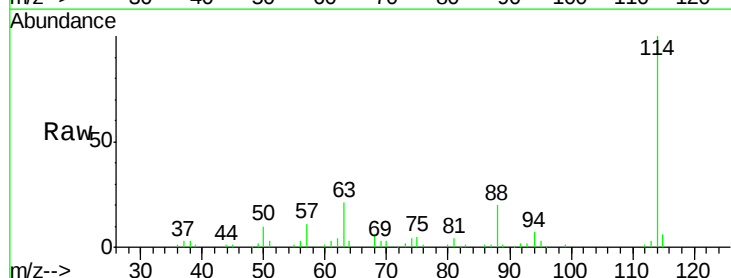
Tgt Ion: 114 Resp: 324860

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

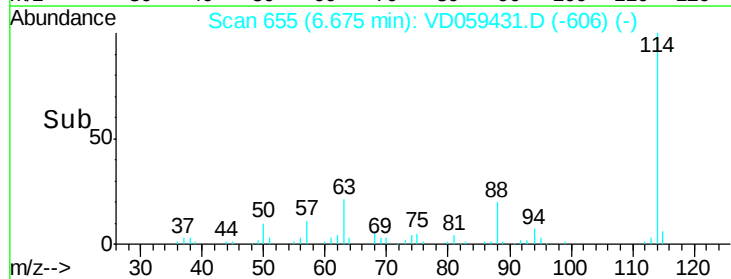
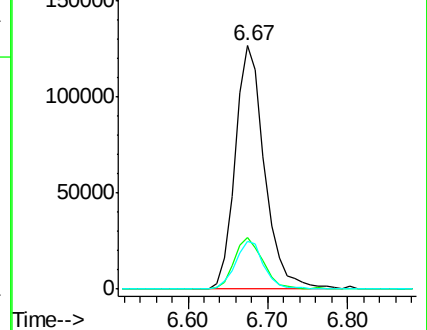
88 19.6 0.0 38.0

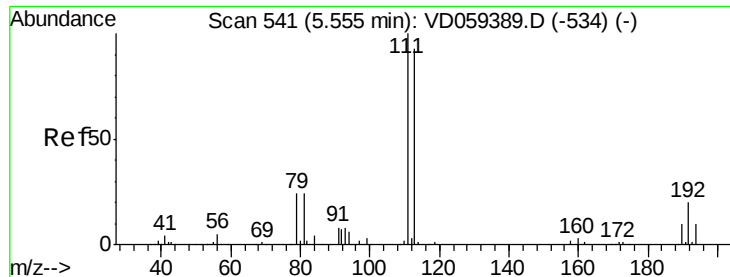


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

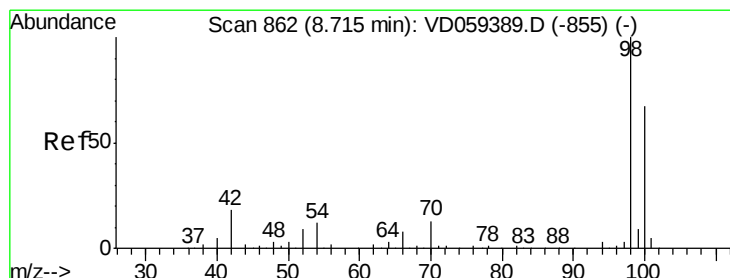
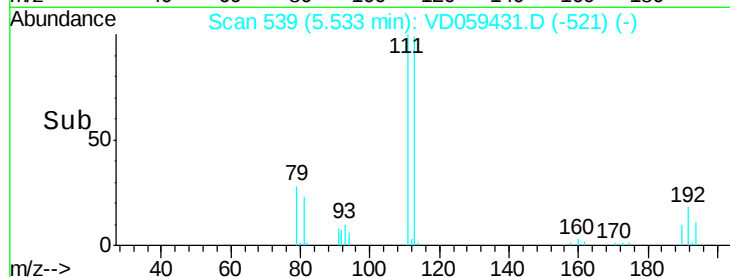
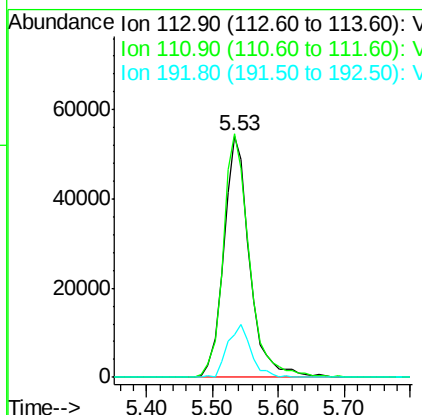
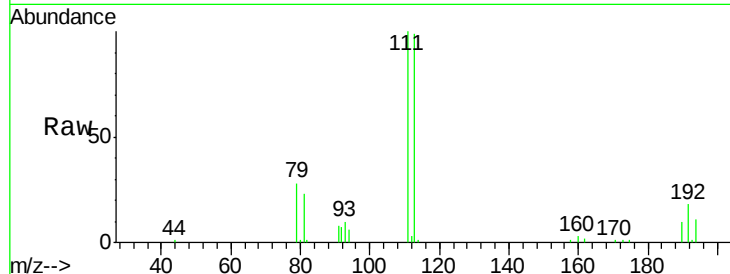




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.53 min Scan# 539
Delta R.T. -0.02 min
Lab File: VD059431.D
Acq: 26 Jun 2018 18:45

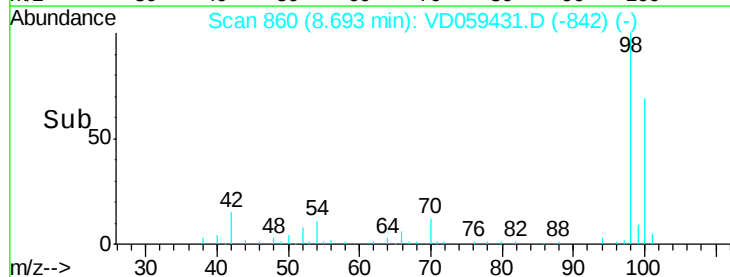
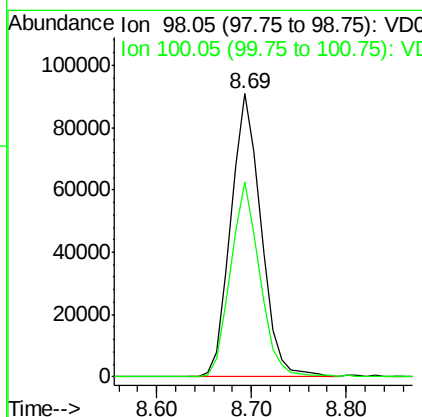
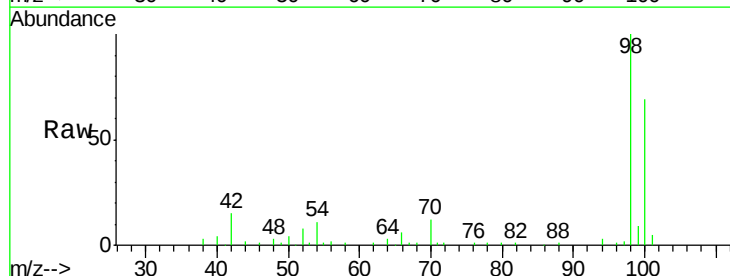
Instrument :
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RO-9-13

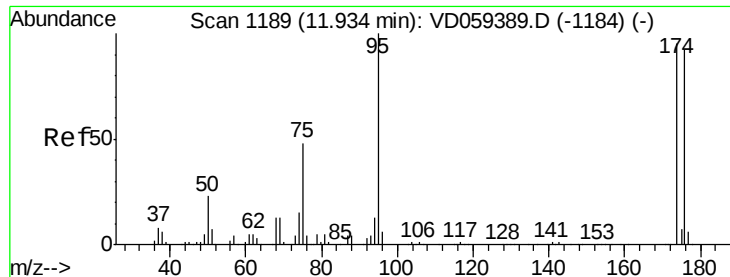
Tot Ion:113 Resp: 148045
Ion Ratio Lower Upper
113 100
111 100.7 85.7 128.5
192 17.8 16.9 25.3



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059431.D
Acq: 26 Jun 2018 18:45

Tgt Ion: 98 Resp: 200699
Ion Ratio Lower Upper
98 100
100 69.0 54.4 81.6

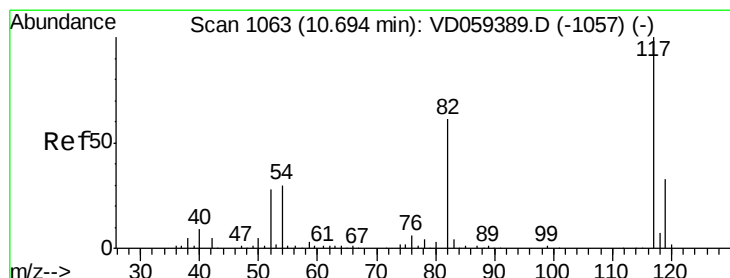
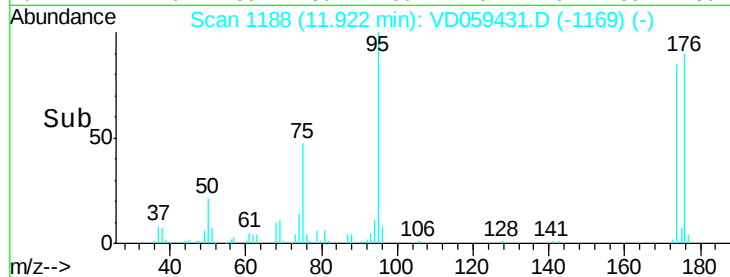
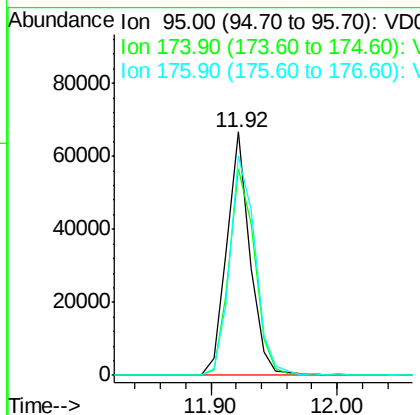
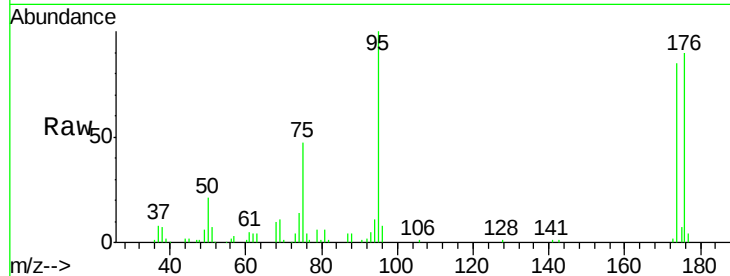




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059431.D
Acq: 26 Jun 2018 18:45

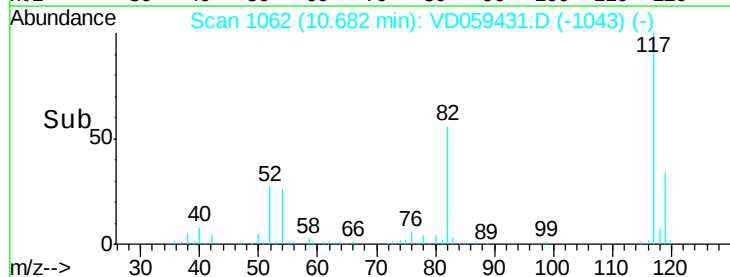
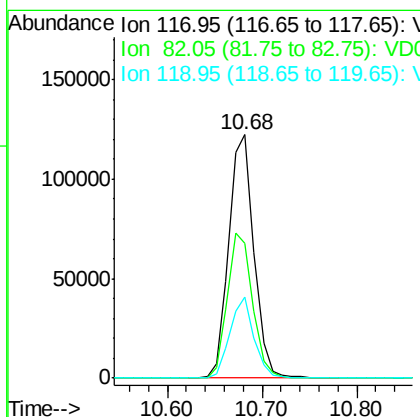
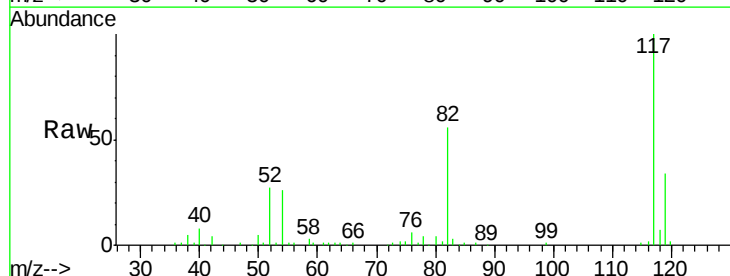
Instrument :
MSVOA_D
ClientSampleId :
RO-9-13

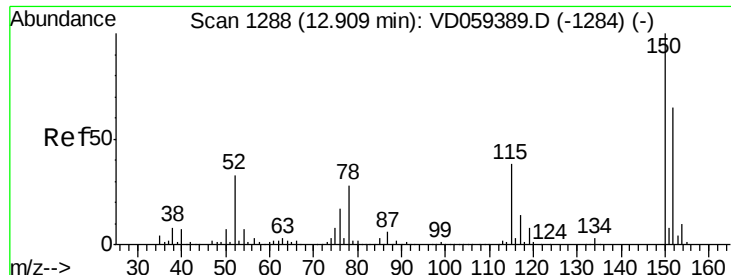
Tot Ion: 95 Resp: 84344
Ion Ratio Lower Upper
95 100
174 84.6 0.0 190.4
176 90.0 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059431.D
Acq: 26 Jun 2018 18:45

Tgt Ion: 117 Resp: 225436
Ion Ratio Lower Upper
117 100
82 55.5 49.0 73.6
119 33.5 26.2 39.4





#72

1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.90 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VD059431.D
 Acq: 26 Jun 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-9-13

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.8	29.4	88.3
150	151.2	0.0	308.2

