

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067012.D
 Acq On : 02 Oct 2020 01:29
 Operator : VA/SY
 Sample : L4198-16
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-5

Quant Time: Oct 02 02:09:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

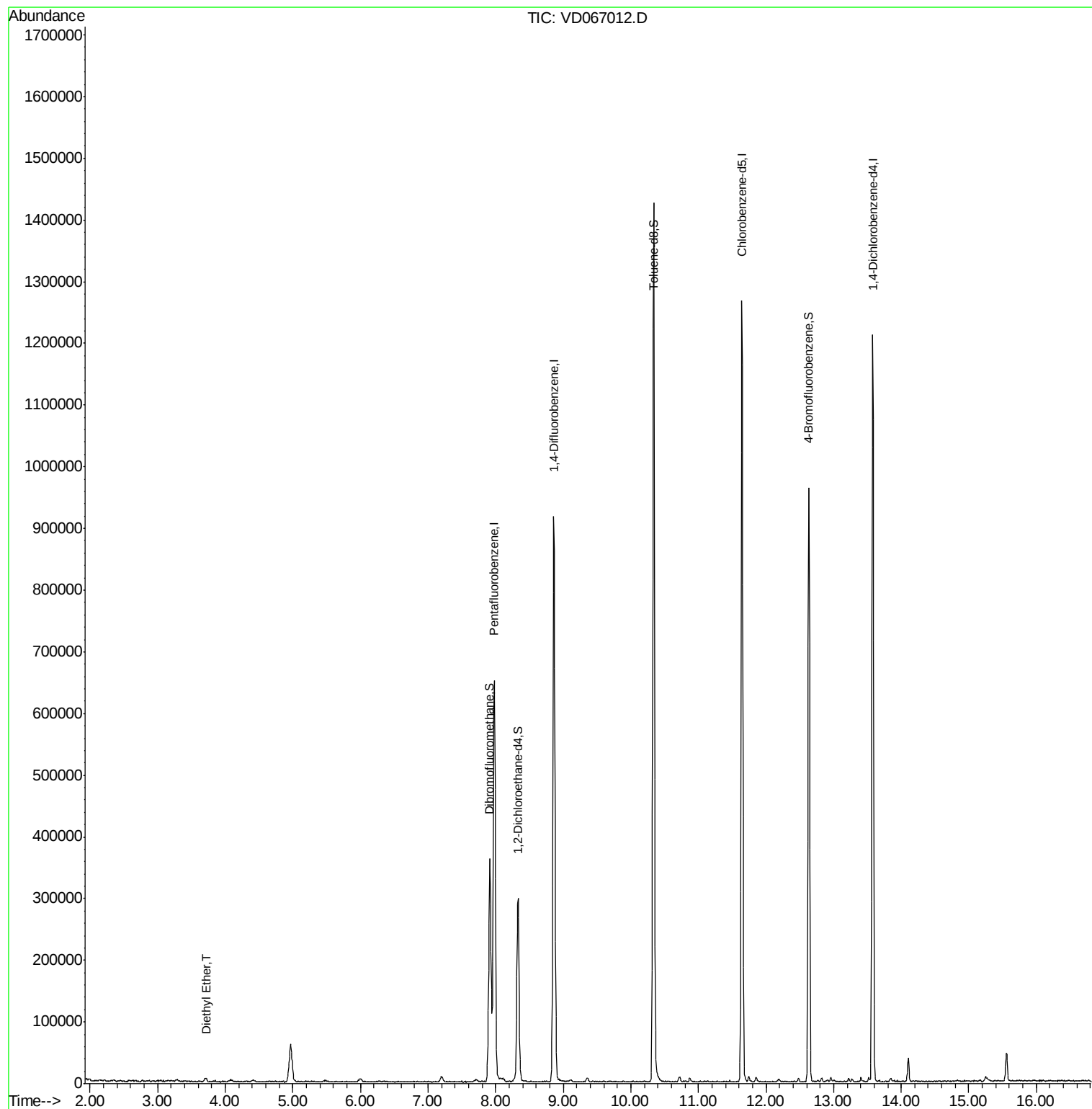
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	487965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	810477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	741638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330760	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	243382	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
35) Dibromofluoromethane	7.91	113	261073	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	10.34	98	971238	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.64	95	310157	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
Target Compounds						
8) Diethyl Ether	3.72	74	2550	1.188	ug/l	Qvalue 81

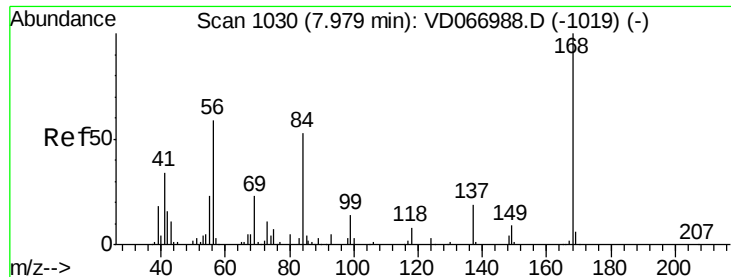
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067012.D

Acq: 02 Oct 2020 01:29

Instrument :

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ClientSampleID :

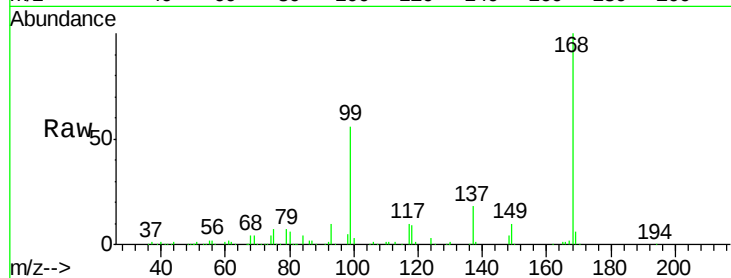
RO-5

Tot Ion:168 Resp: 487965

Ion Ratio Lower Upper

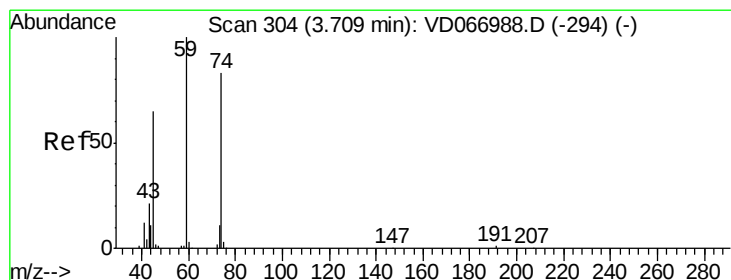
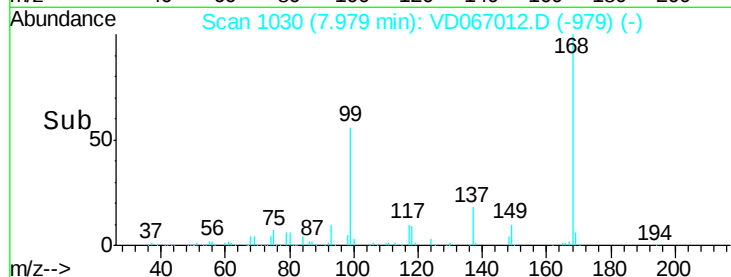
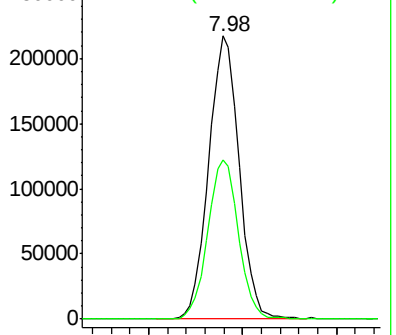
168 100

99 56.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.188 ug/l

RT: 3.72 min Scan# 306

Delta R.T. 0.01 min

Lab File: VD067012.D

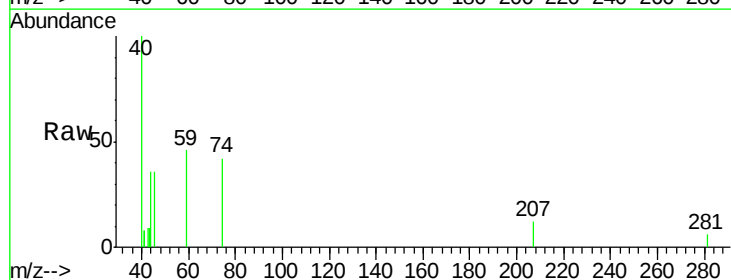
Acq: 02 Oct 2020 01:29

Tgt Ion: 74 Resp: 2550

Ion Ratio Lower Upper

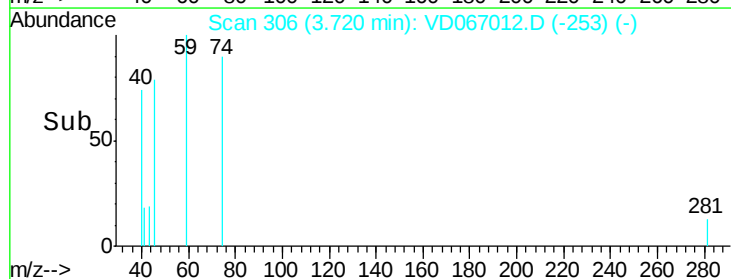
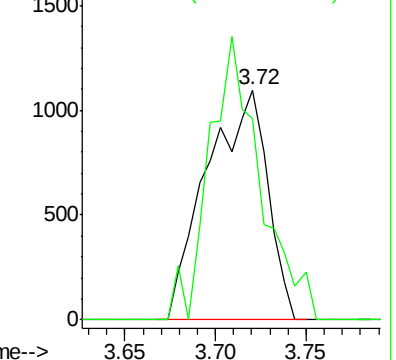
74 100

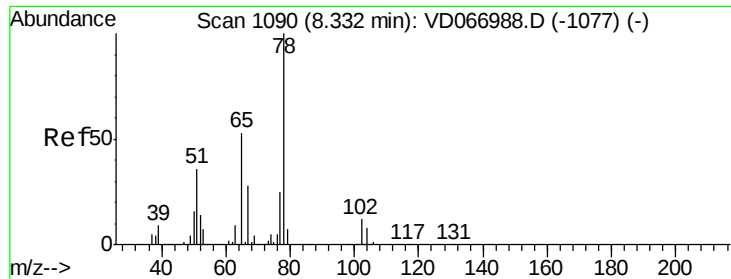
45 104.1 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

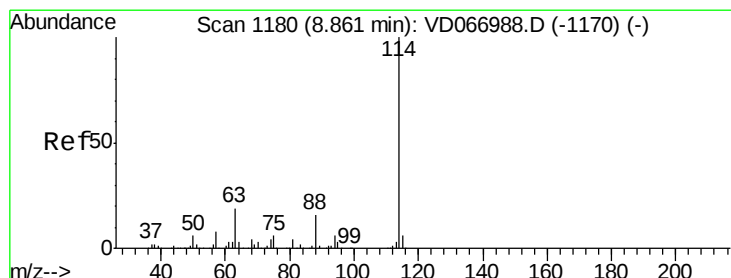
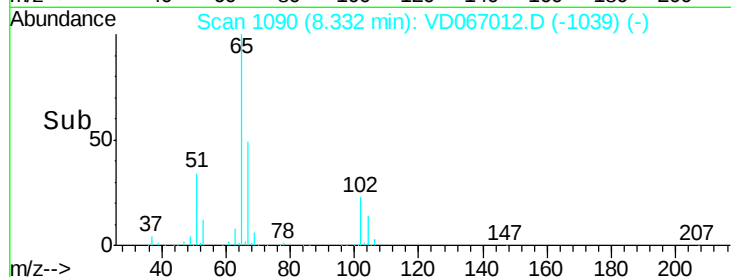
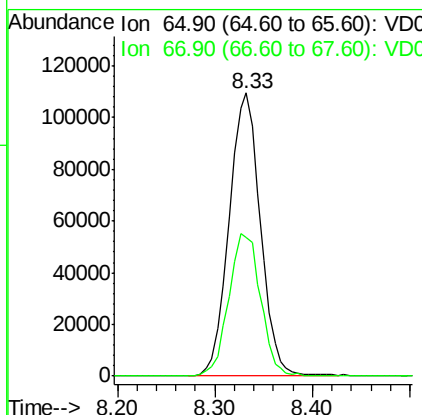
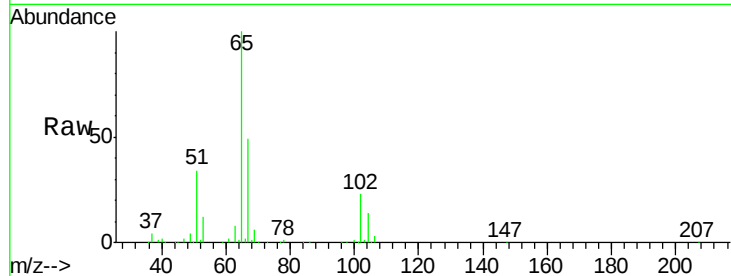




#33
 1,2-Dichloroethane-d4
 Concen: 51.783 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

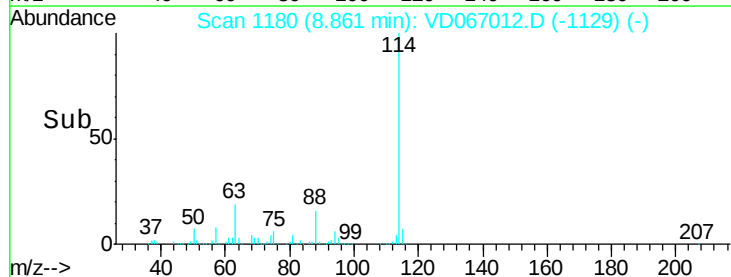
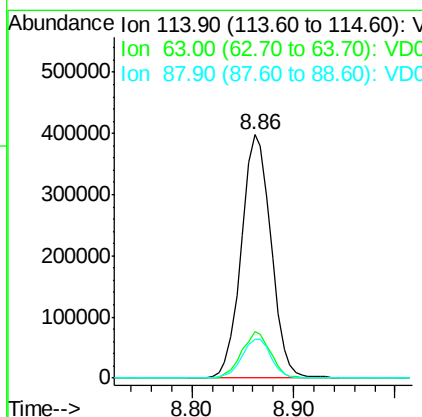
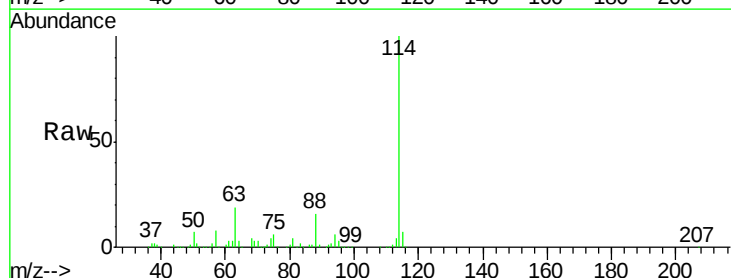
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-5

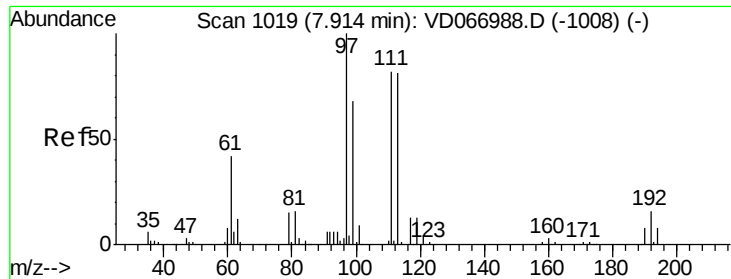
Tot Ion: 65 Resp: 243382
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

Tgt Ion: 114 Resp: 810477
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.203 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067012.D

Acq: 02 Oct 2020 01:29

Instrument :

MSVOA_D

ClientSampleId :

RO-5

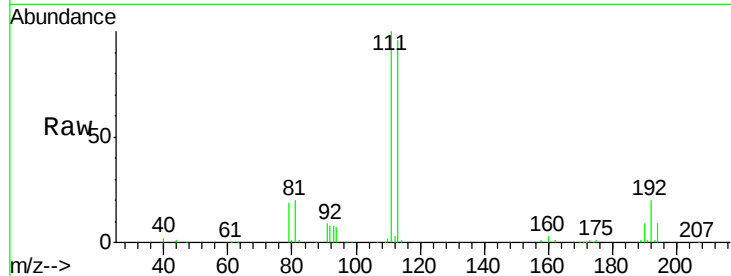
Tot Ion:113 Resp: 261073

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

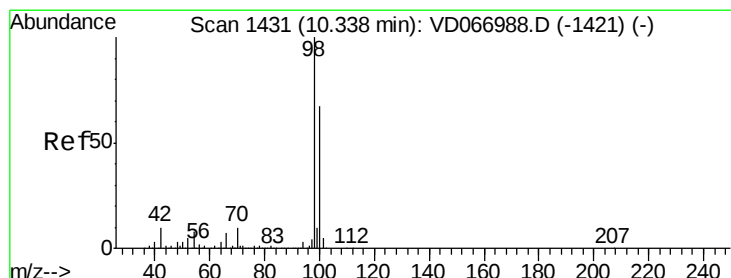
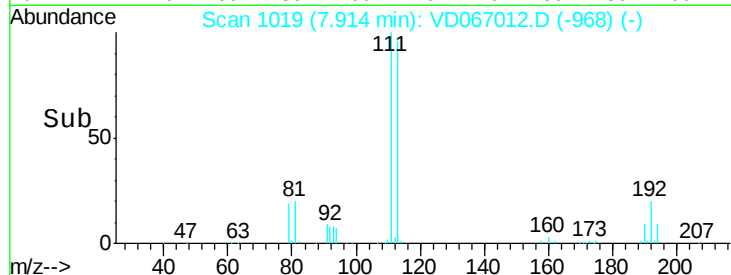
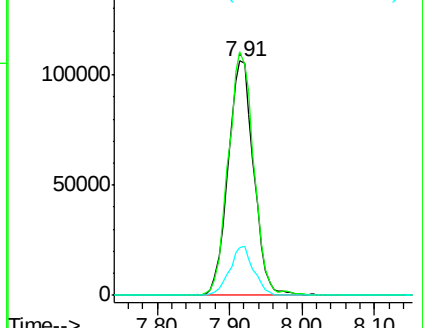
192 19.5 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 50.233 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067012.D

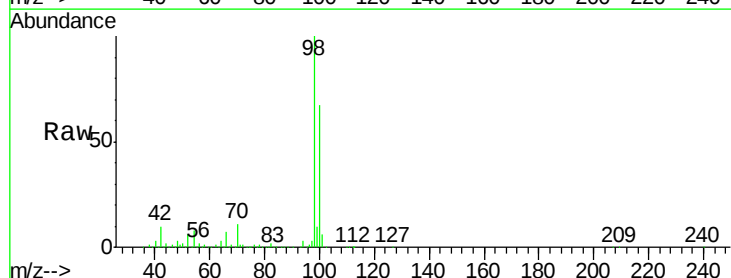
Acq: 02 Oct 2020 01:29

Tgt Ion: 98 Resp: 971238

Ion Ratio Lower Upper

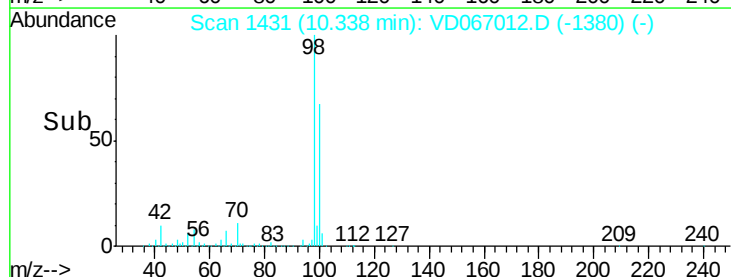
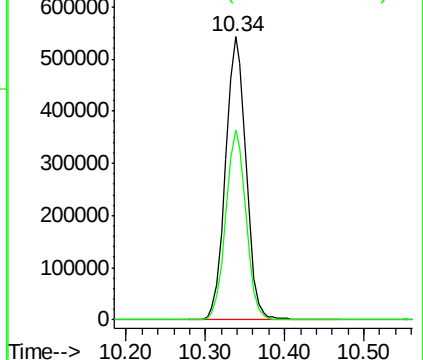
98 100

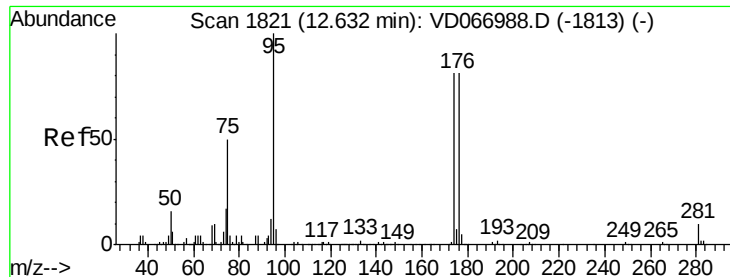
100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

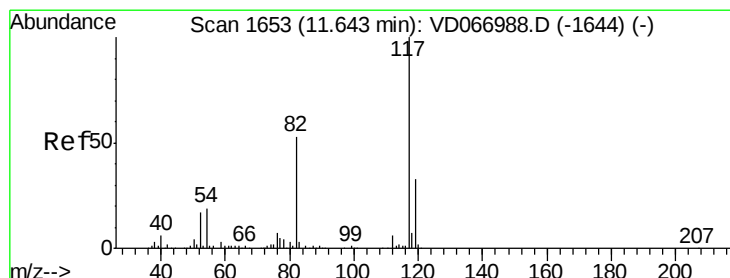
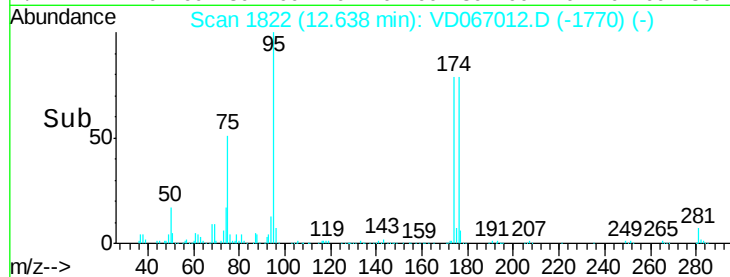
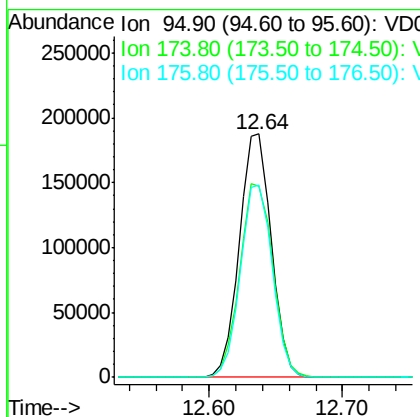
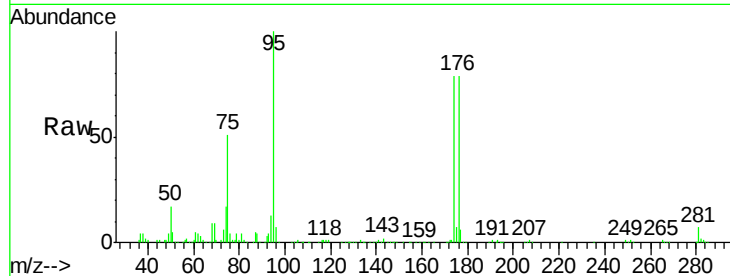




#62
4-Bromofluorobenzene
Concen: 47.254 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067012.D
Acq: 02 Oct 2020 01:29

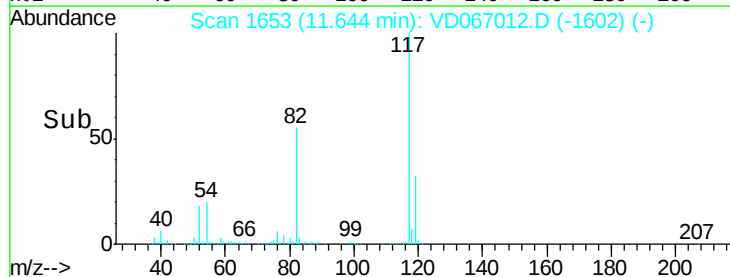
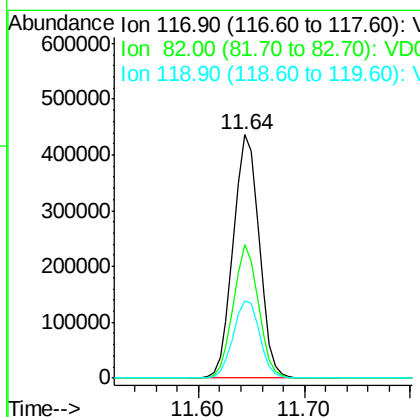
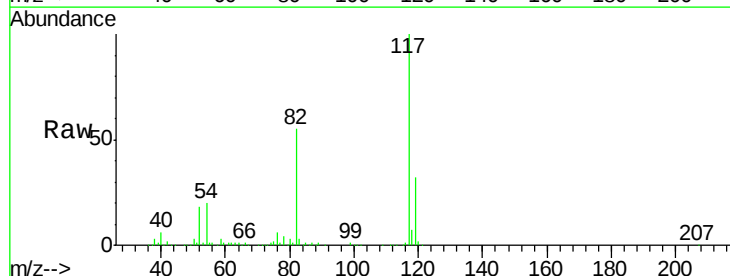
Instrument :
MSVOA_D
ClientSampleId :
RO-5

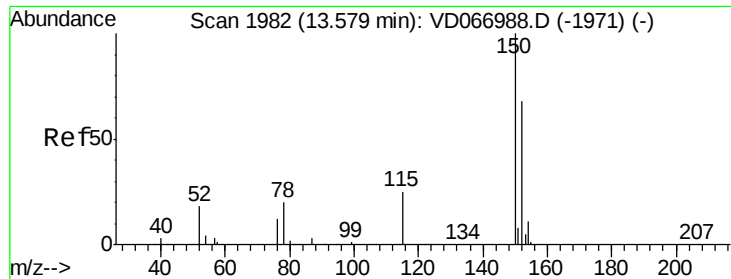
Tot Ion	95	Resp	310157
Ion Ratio	100		
Lower			
Upper			
174	82.5	0.0	167.6
176	79.0	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067012.D
Acq: 02 Oct 2020 01:29

Tgt Ion	117	Resp	741638
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	54.7	42.6	63.8
119	31.7	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067012.D

Acq: 02 Oct 2020 01:29

Instrument :

MSVOA_D

ClientSampleId :

RO-5

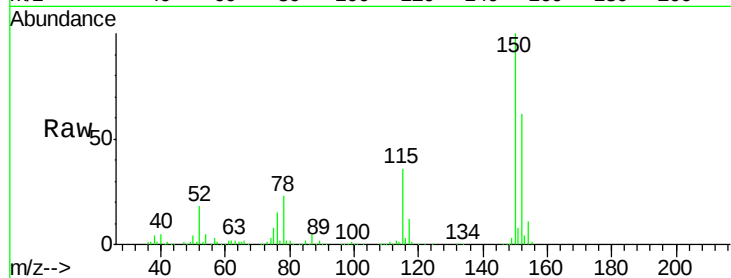
Tot Ion:152 Resp: 330760

Ion Ratio Lower Upper

152 100

115 59.5 29.6 88.8

150 156.8 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

