

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066769.D
 Acq On : 18 Sep 2020 16:36
 Operator : VA/SY
 Sample : L4017-04
 Misc : 5.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-4

Quant Time: Sep 19 05:49:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	365964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	669938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	646139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281255	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	223540	57.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.50%	
35) Dibromofluoromethane	7.91	113	212850	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
50) Toluene-d8	10.34	98	816452	55.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.58%	
62) 4-Bromofluorobenzene	12.64	95	279088	55.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.50%	

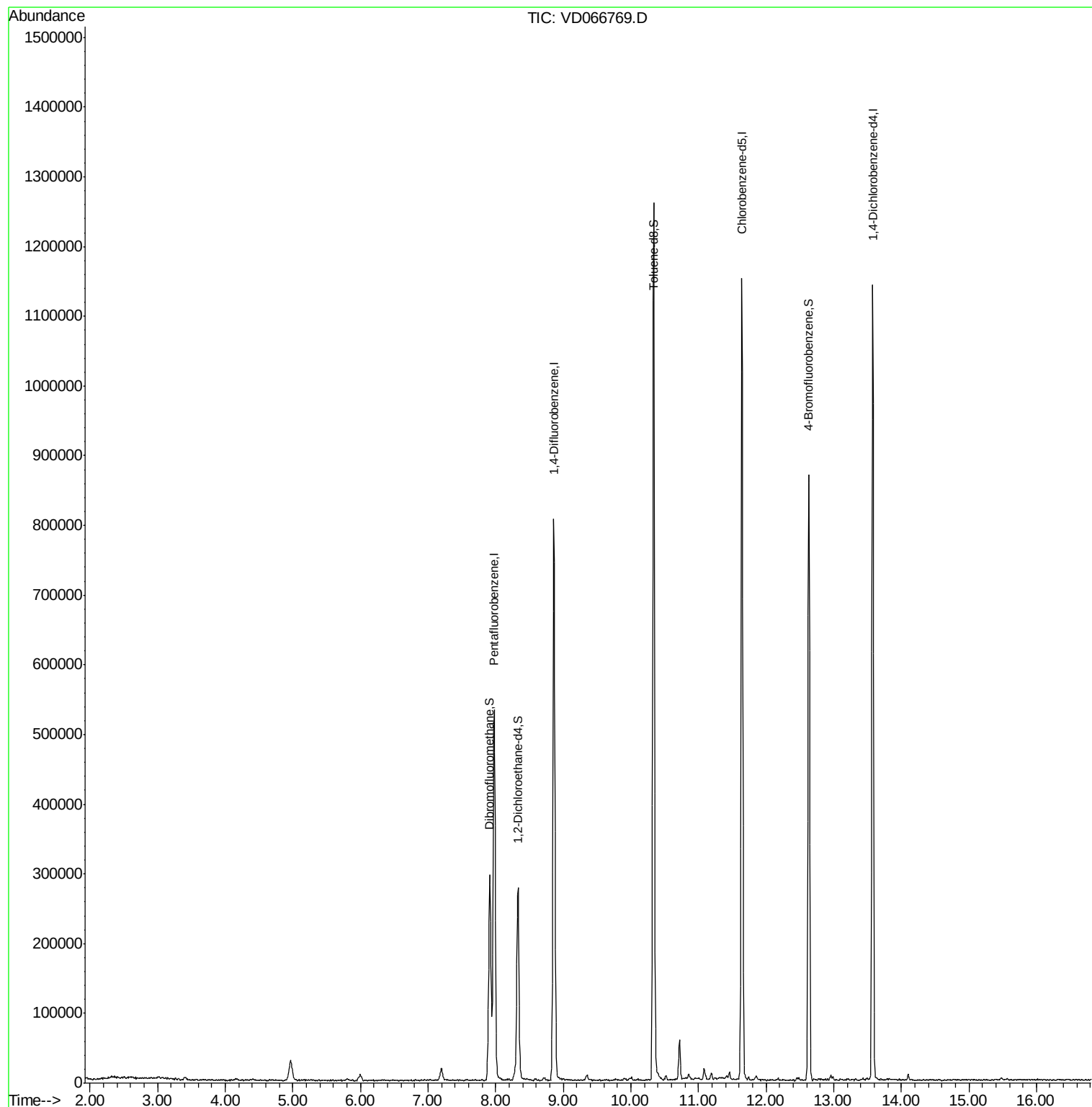
Target Compounds	Qvalue
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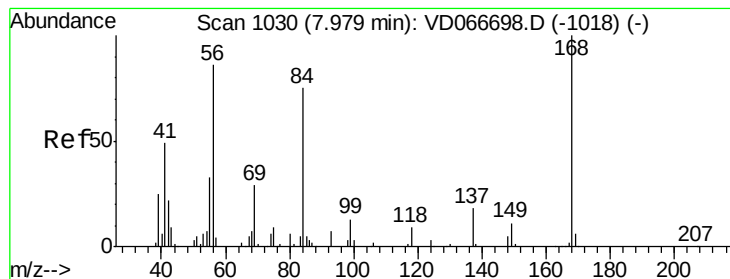
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066769.D

Acq: 18 Sep 2020 16:36

Instrument :

MSVOA_D

ClientSampled :

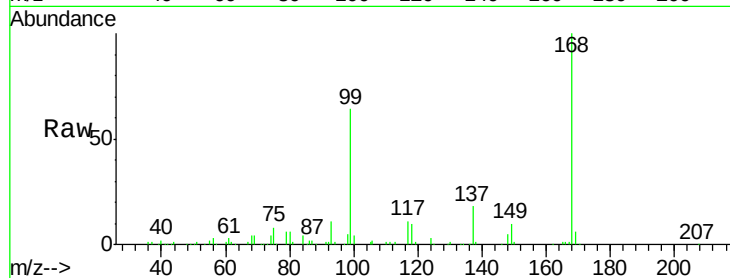
SS-4

Tot Ion:168 Resp: 365964

Ion Ratio Lower Upper

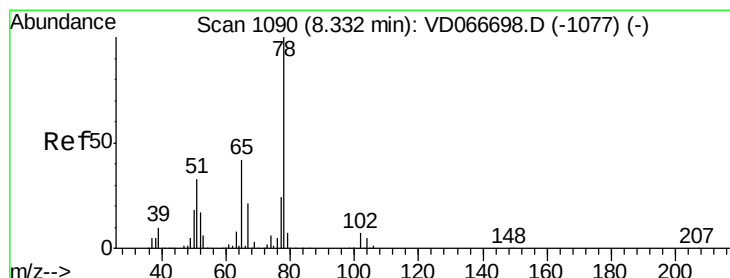
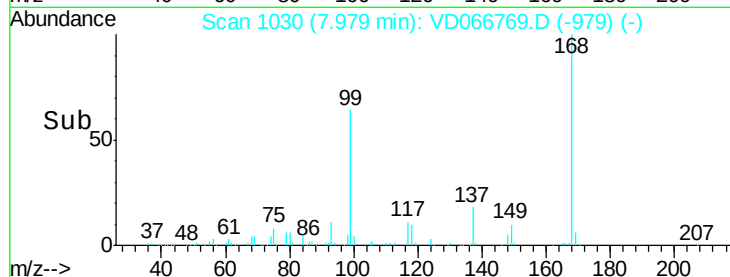
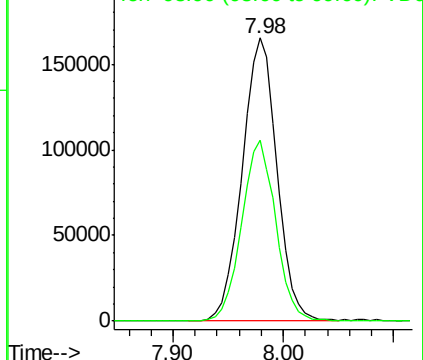
168 100

99 63.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 57.250 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066769.D

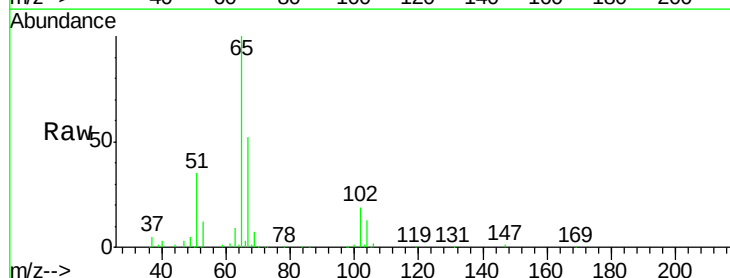
Acq: 18 Sep 2020 16:36

Tgt Ion: 65 Resp: 223540

Ion Ratio Lower Upper

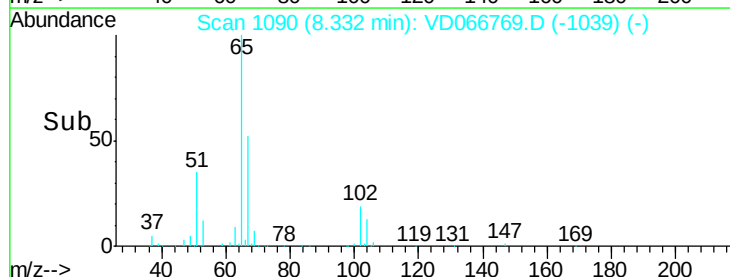
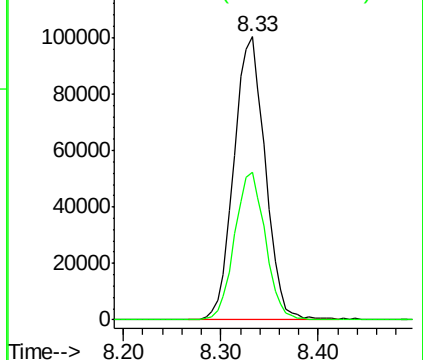
65 100

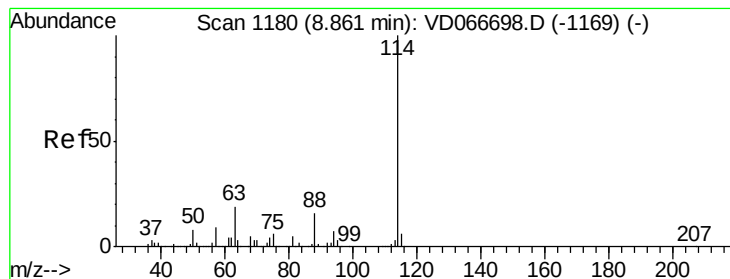
67 51.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

SS-4

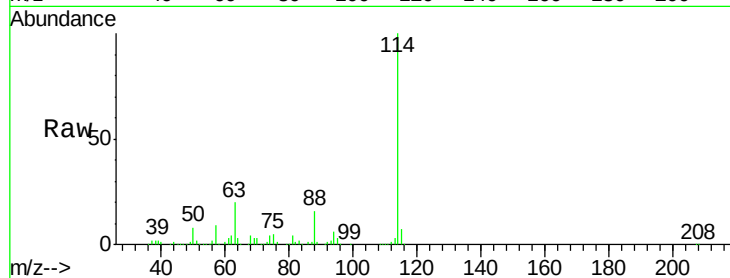
Tot Ion:114 Resp: 669938

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.6

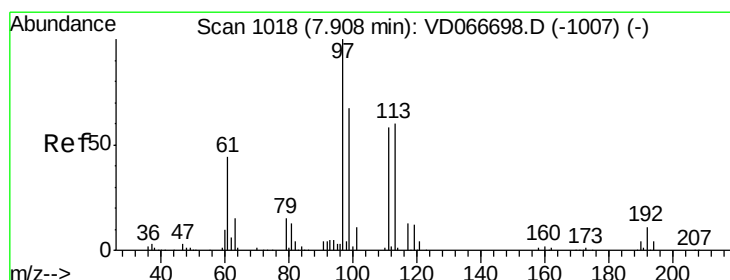
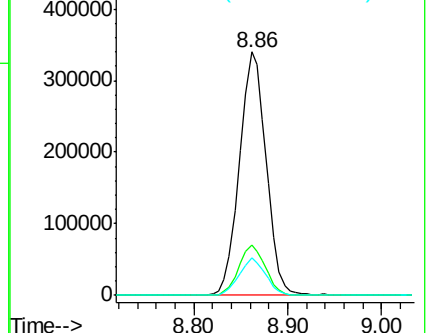
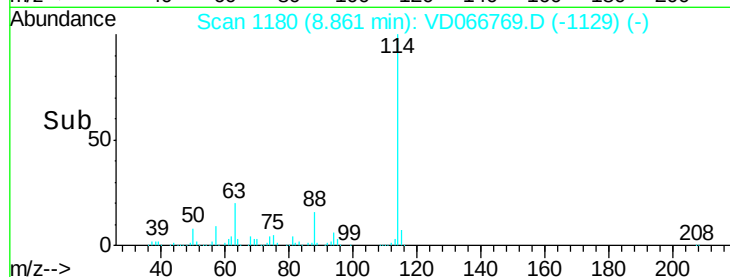
88 15.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.822 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

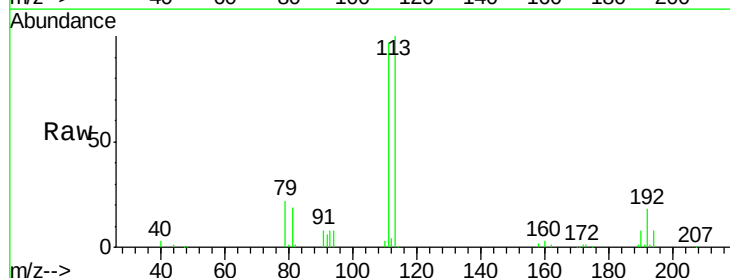
Tgt Ion:113 Resp: 212850

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

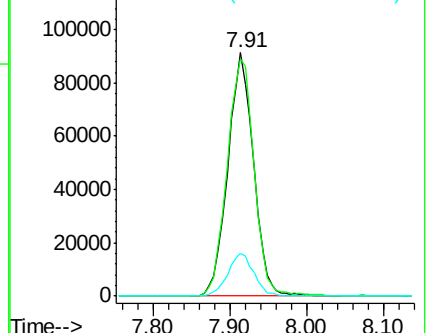
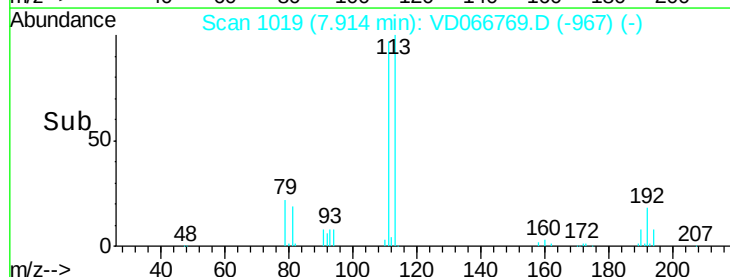
192 17.7 14.8 22.2

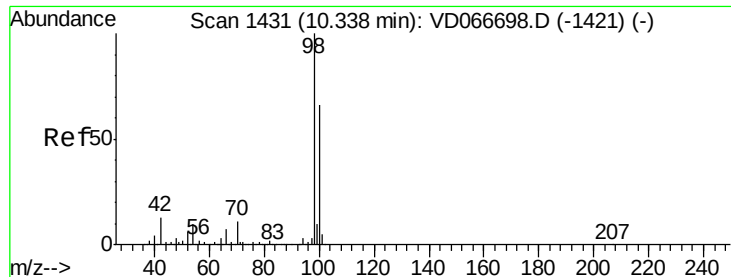


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 55.793 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

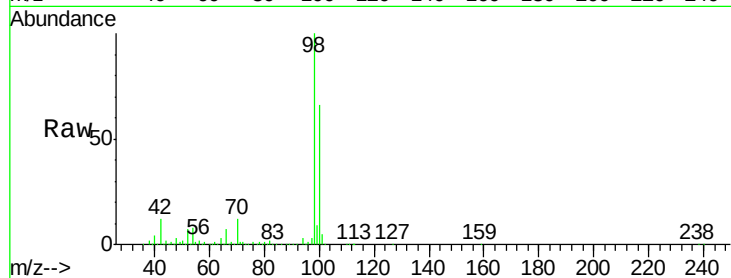
SS-4

Tot Ion: 98 Resp: 816452

Ion Ratio Lower Upper

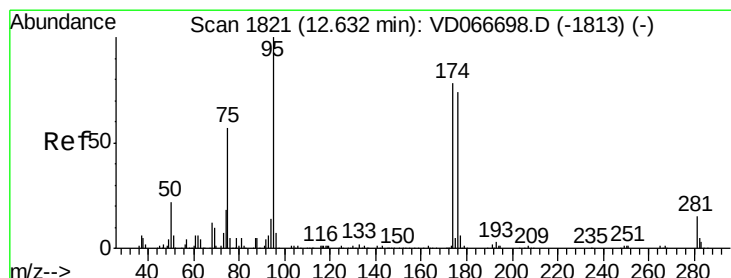
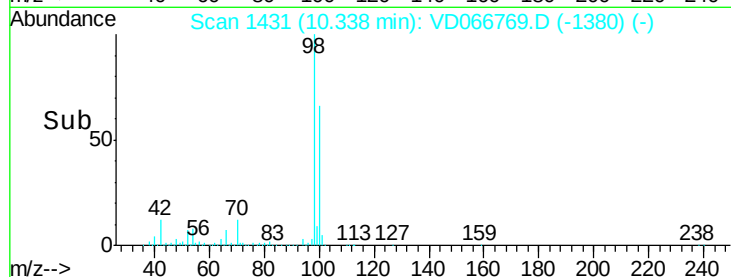
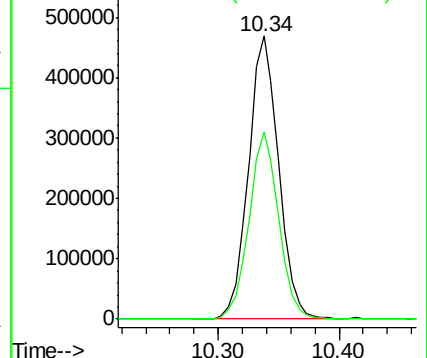
98 100

100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 55.251 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066769.D

Acq: 18 Sep 2020 16:36

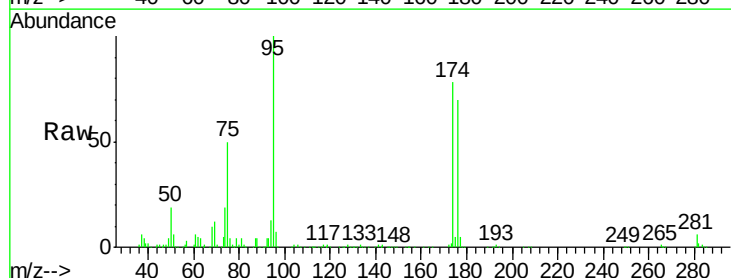
Tgt Ion: 95 Resp: 279088

Ion Ratio Lower Upper

95 100

174 76.1 0.0 156.6

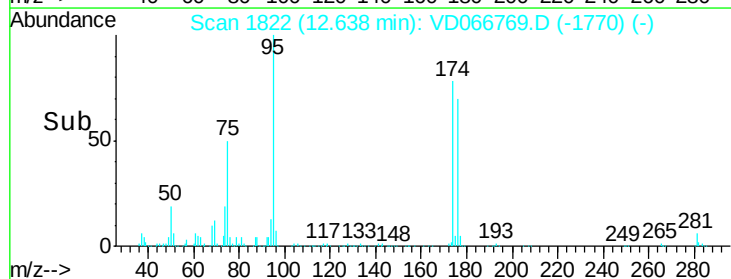
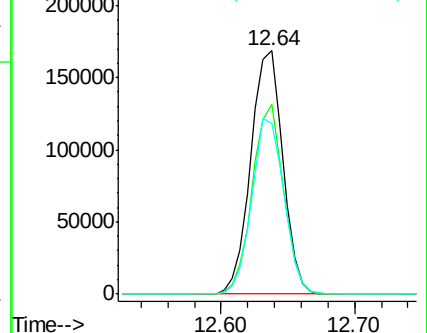
176 72.5 0.0 150.2

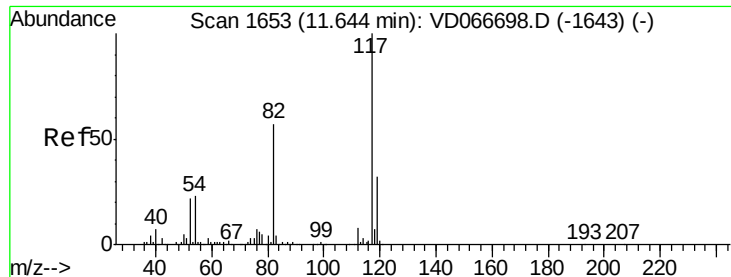


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

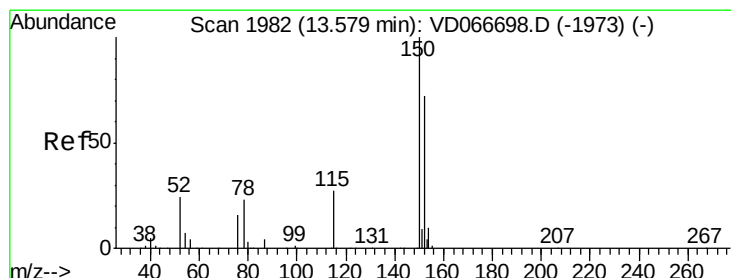
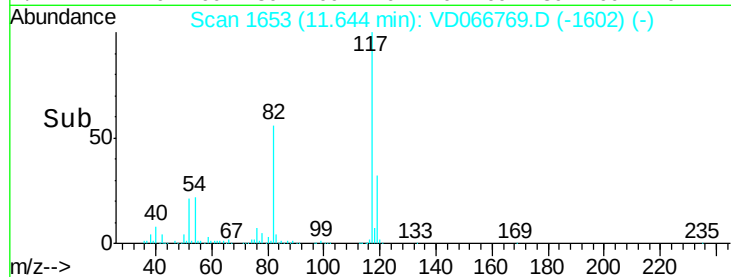
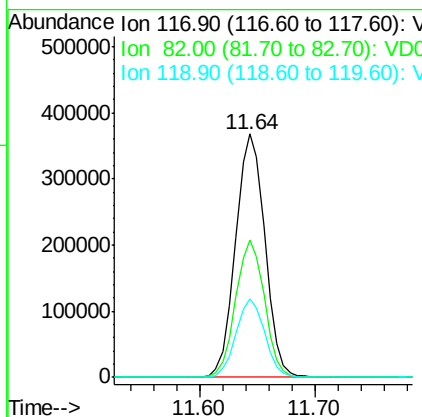
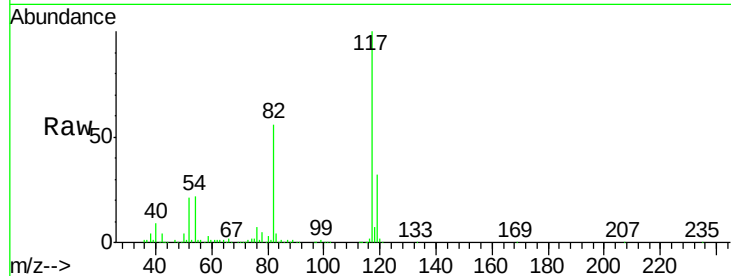




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
SS-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.4	68.0
119	32.1	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066769.D
Acq: 18 Sep 2020 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	30.5	91.5
150	157.4	0.0	344.6

