

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067020.D
 Acq On : 02 Oct 2020 05:10
 Operator : VA/SY
 Sample : L3872-13
 Misc : 7.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-093020

Quant Time: Oct 02 06:08:56 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	7.97	168	15552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	23354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	24527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	10894	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	12567	83.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	167.78%	
35) Dibromofluoromethane	7.92	113	6999	45.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.56%	
50) Toluene-d8	10.34	98	27191	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.63	95	9805	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.68%	

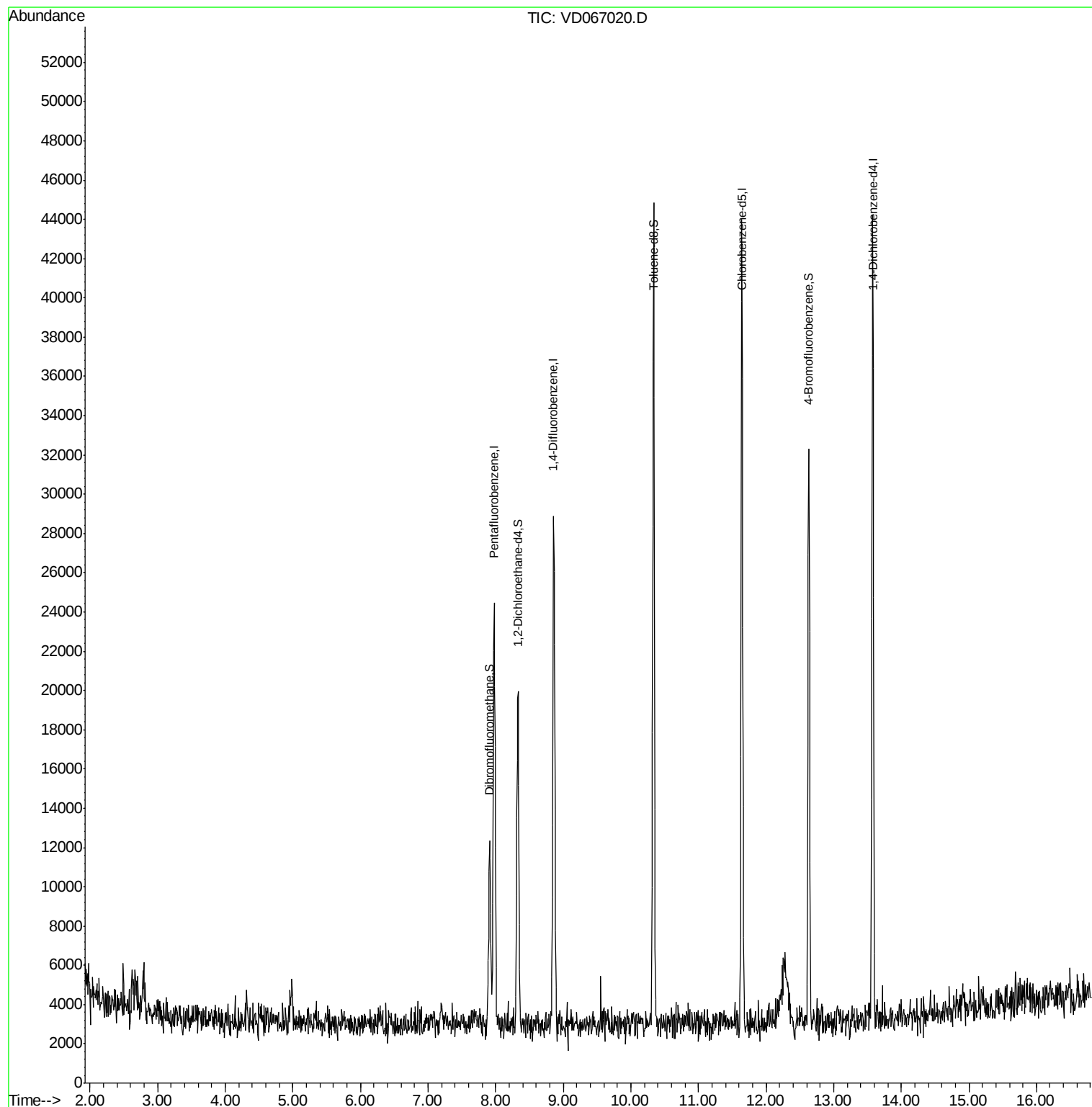
Target Compounds	Qvalue
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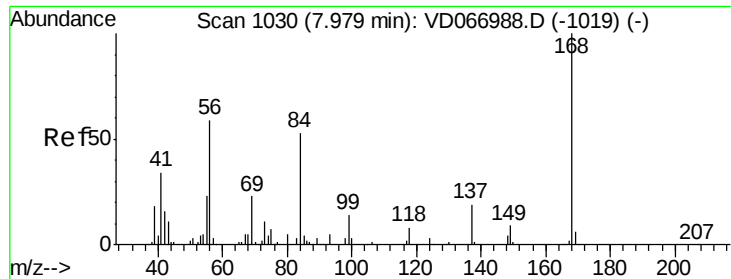
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067020.D

Acq: 02 Oct 2020 05:10

Instrument :

MSVOA_D

ClientSampleId :

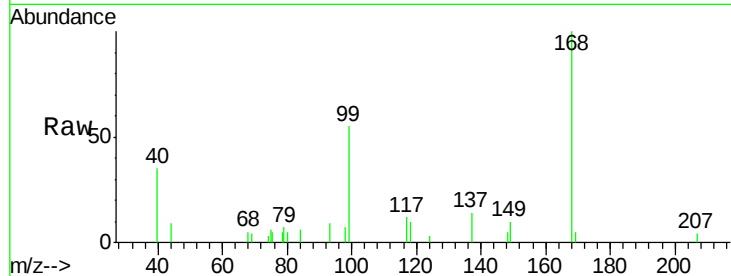
BU-03-093020

Tot Ion:168 Resp: 15552

Ion Ratio Lower Upper

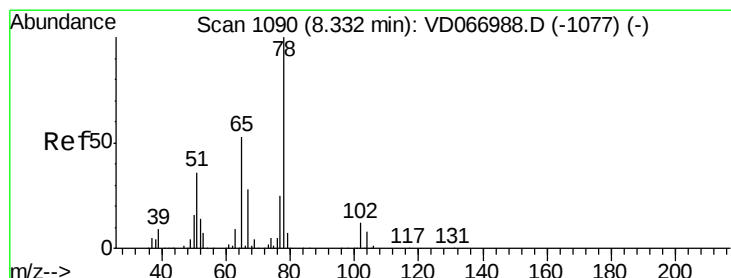
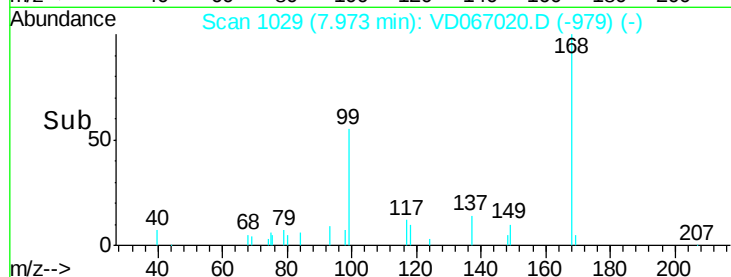
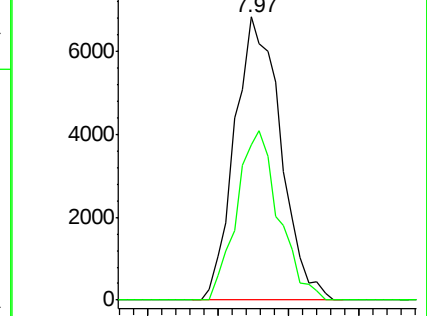
168 100

99 54.8 44.1 66.1



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: 83.894 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067020.D

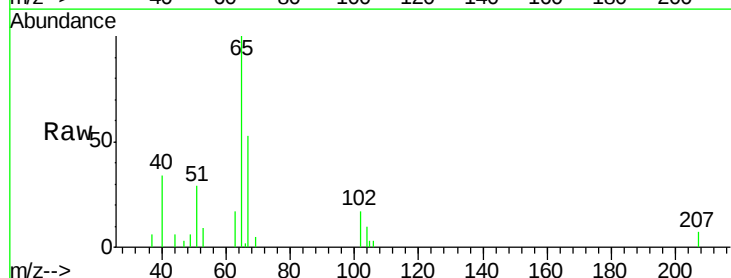
Acq: 02 Oct 2020 05:10

Tgt Ion: 65 Resp: 12567

Ion Ratio Lower Upper

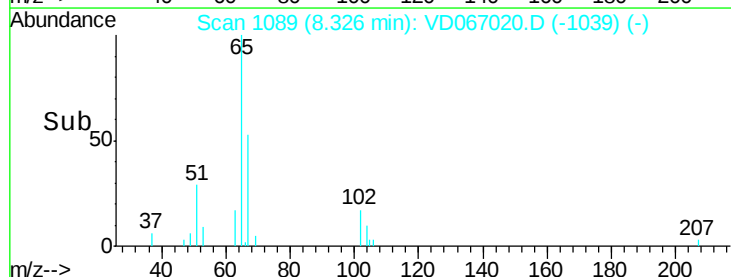
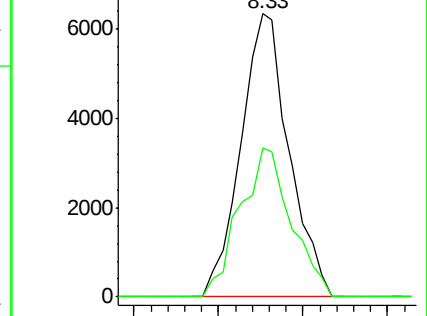
65 100

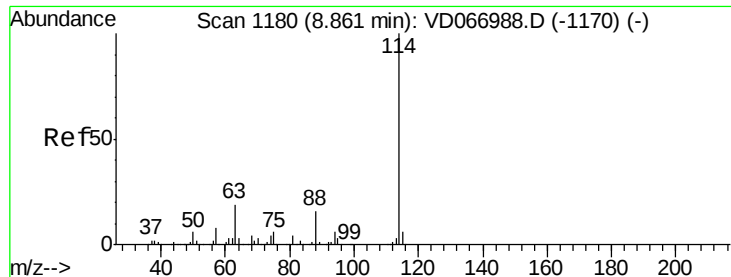
67 56.0 0.0 106.8



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: VD067020.D

Acq: 02 Oct 2020 05:10

Instrument :

MSVOA_D

ClientSampleId :

BU-03-093020

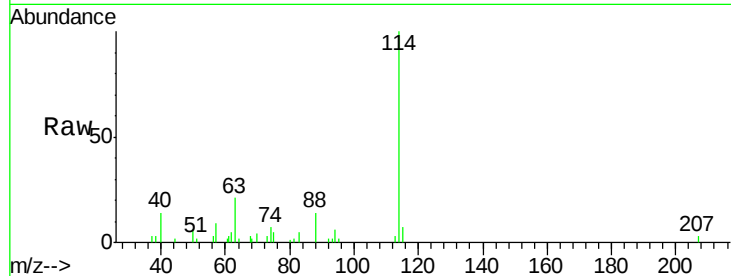
Tot Ion:114 Resp: 23354

Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.4

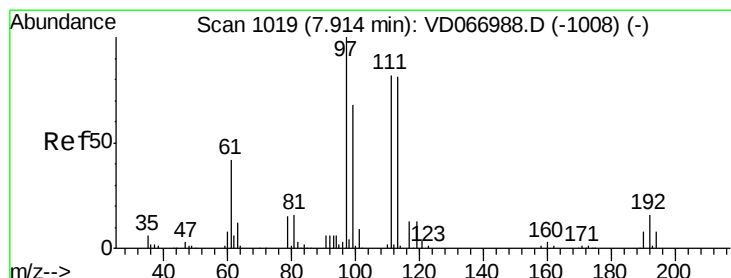
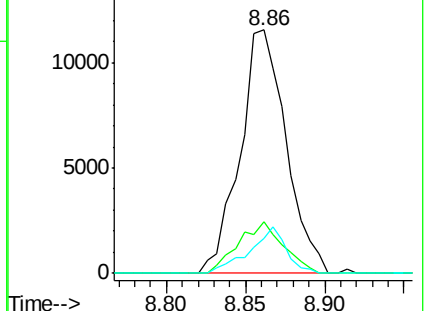
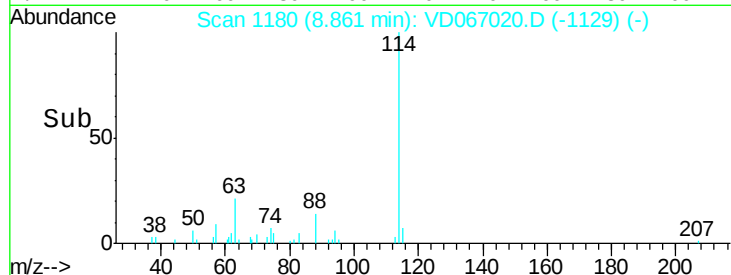
88 14.4 0.0 31.2



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: 45.777 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067020.D

Acq: 02 Oct 2020 05:10

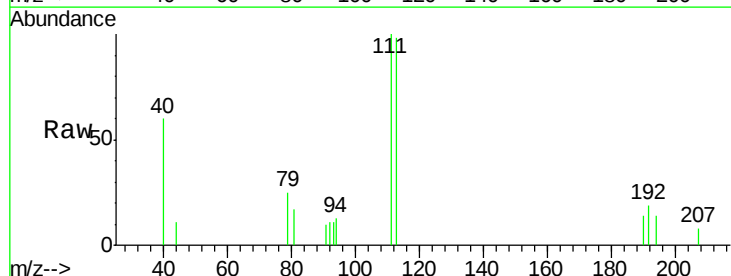
Tgt Ion:113 Resp: 6999

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.4

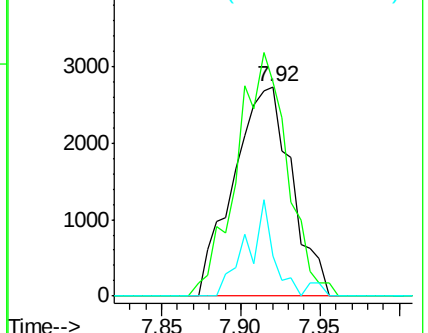
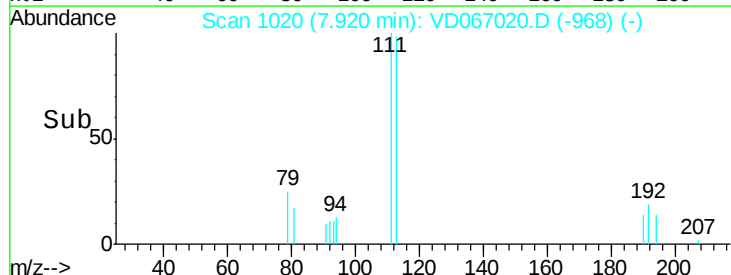
192 20.7 15.5 23.3

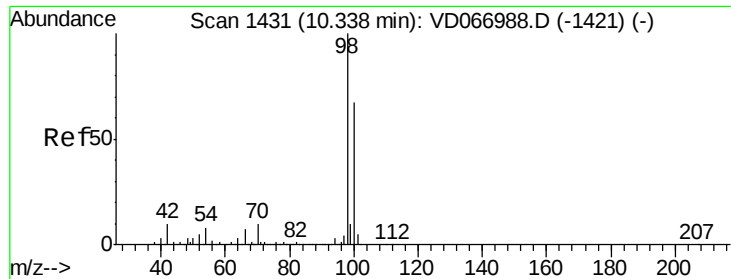


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.806 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067020.D

Acq: 02 Oct 2020 05:10

Instrument :

MSVOA_D

ClientSampleId :

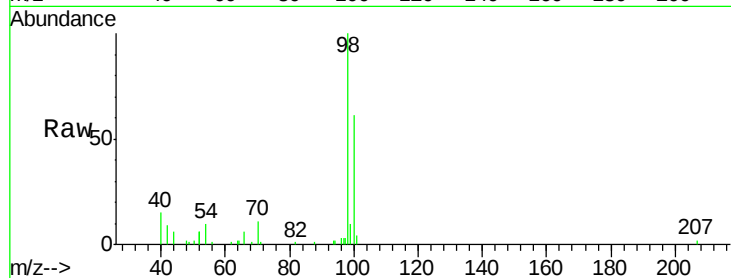
BU-03-093020

Tot Ion: 98 Resp: 27191

Ion Ratio Lower Upper

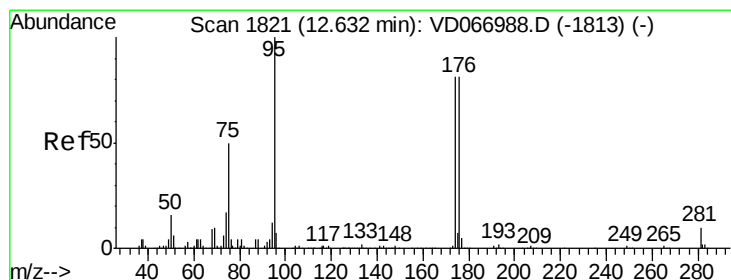
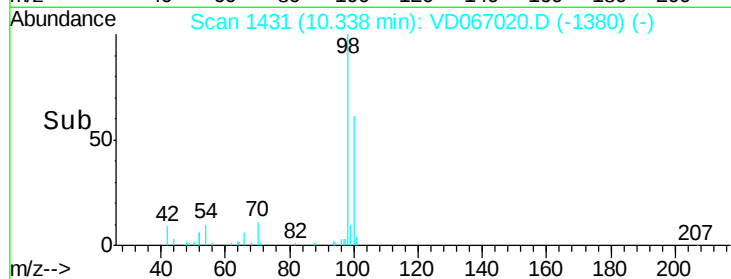
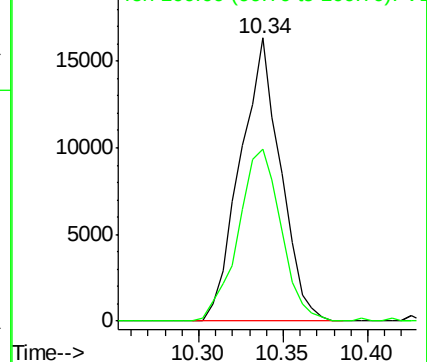
98 100

100 64.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 51.842 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067020.D

Acq: 02 Oct 2020 05:10

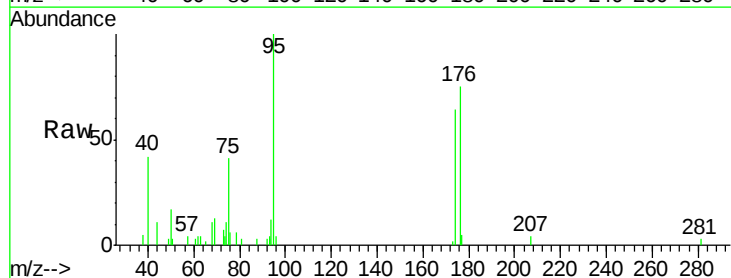
Tgt Ion: 95 Resp: 9805

Ion Ratio Lower Upper

95 100

174 87.7 0.0 167.6

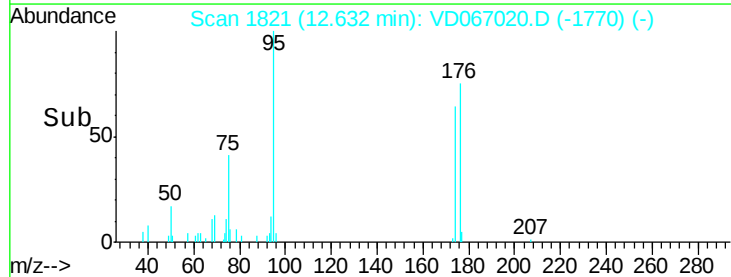
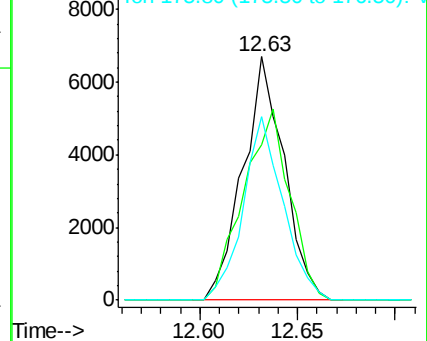
176 72.6 0.0 162.4

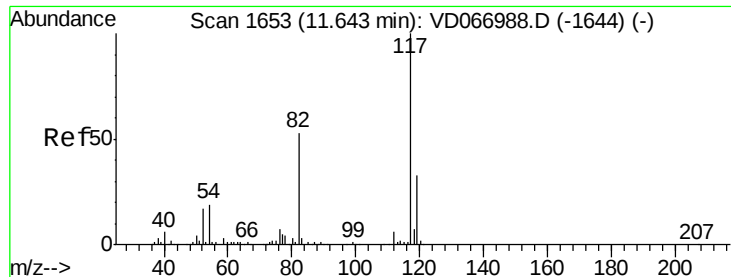


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

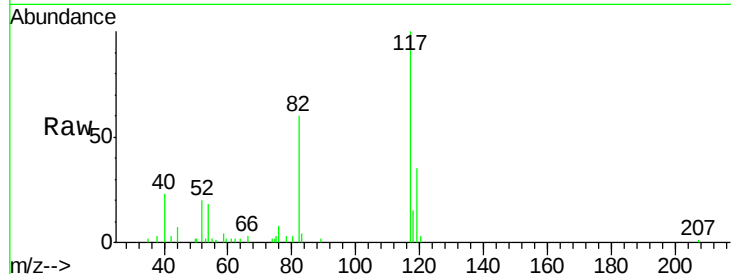




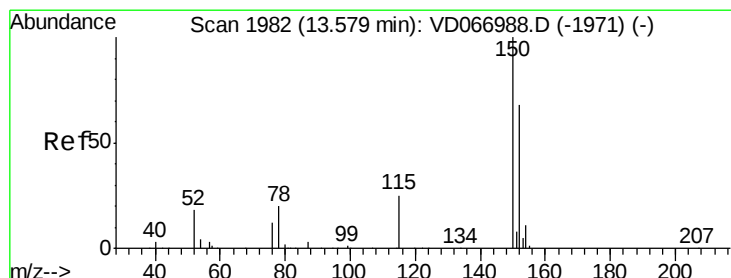
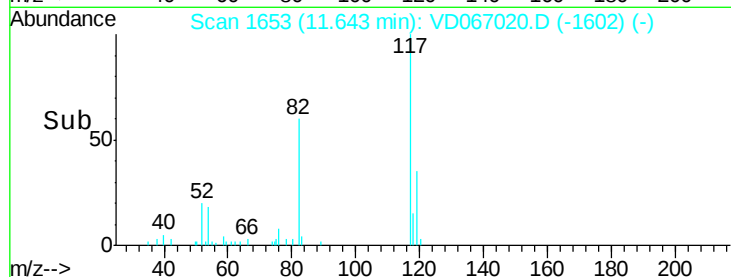
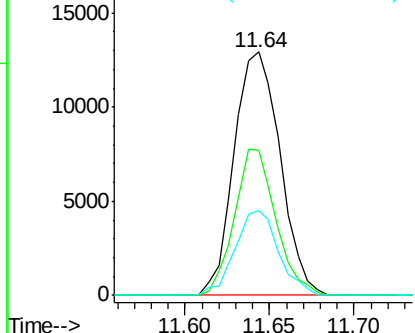
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067020.D
Acq: 02 Oct 2020 05:10

Instrument :
MSVOA_D
ClientSampleId :
BU-03-093020

Tot Ion:117 Resp: 24527
Ion Ratio Lower Upper
117 100
82 59.5 42.6 63.8
119 34.9 26.3 39.5

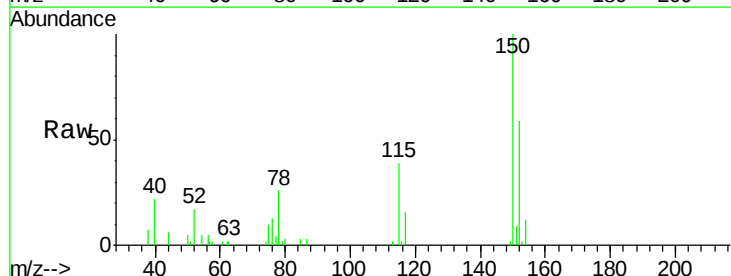


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067020.D
Acq: 02 Oct 2020 05:10

Tgt Ion:152 Resp: 10894
Ion Ratio Lower Upper
152 100
115 62.5 29.6 88.8
150 156.4 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

