

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067845.D
 Acq On : 02 Dec 2020 19:36
 Operator : VA/SY
 Sample : L4915-01
 Misc : 6.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-12220

Quant Time: Dec 03 02:37:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	158265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	233994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	214985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100104	58.92	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.84%
35) Dibromofluoromethane	7.92	113	76676	48.97	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.94%
50) Toluene-d8	10.34	98	261874	46.46	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.92%
62) 4-Bromofluorobenzene	12.64	95	89852	46.11	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.22%

Target Compounds

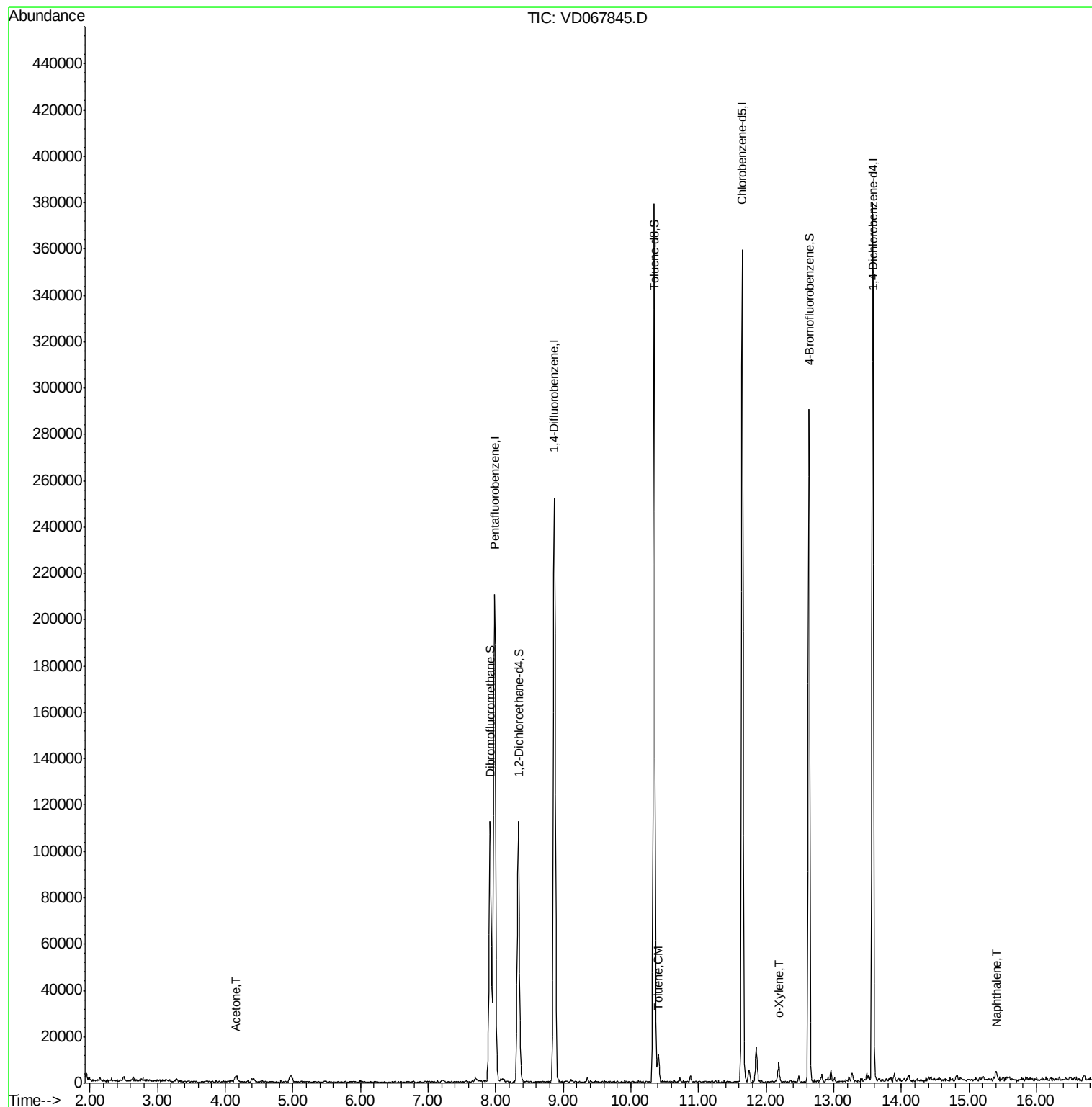
					Qvalue
16) Acetone	4.16	43	5034	23.977	ug/l 92
52) Toluene	10.41	92	5128	1.323	ug/l 99
69) o-Xylene	12.18	106	2666	1.008	ug/l 77
95) Naphthalene	15.41	128	4729	1.390	ug/l # 93

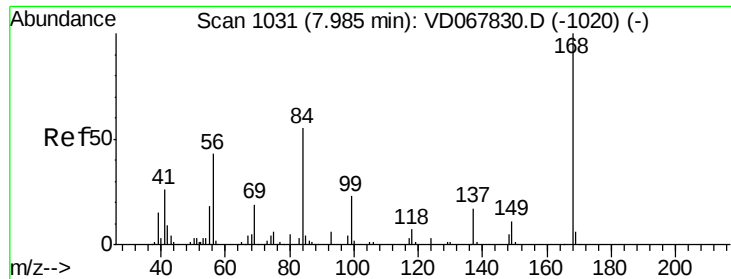
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067845.D

Acq: 02 Dec 2020 19:36

Instrument :

MSVOA_D

ClientSampleId :

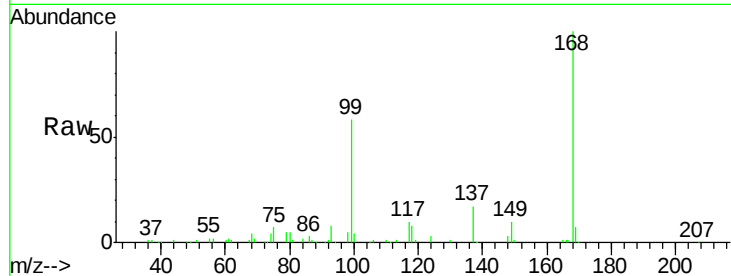
OR-03-12220

Tot Ion:168 Resp: 158265

Ion Ratio Lower Upper

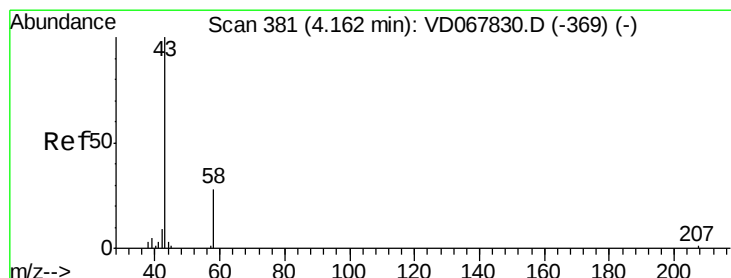
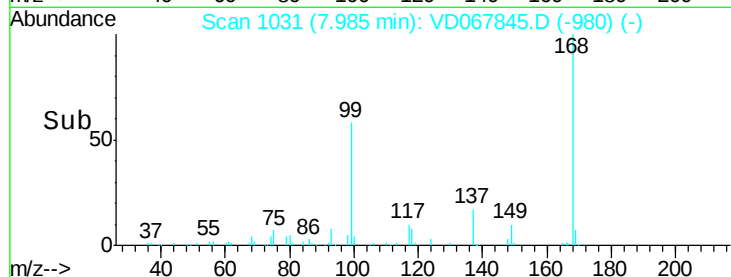
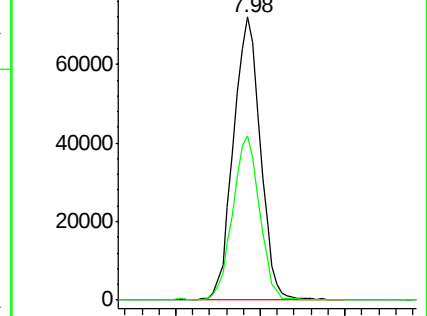
168 100

99 58.2 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 23.977 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD067845.D

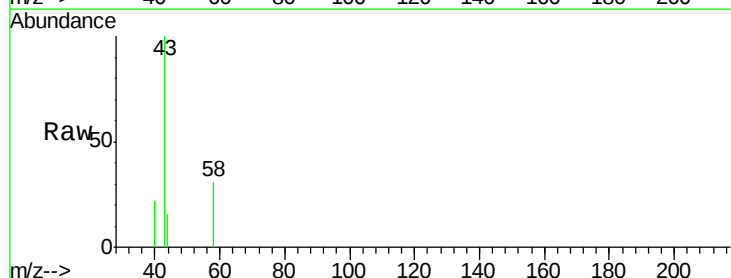
Acq: 02 Dec 2020 19:36

Tgt Ion: 43 Resp: 5034

Ion Ratio Lower Upper

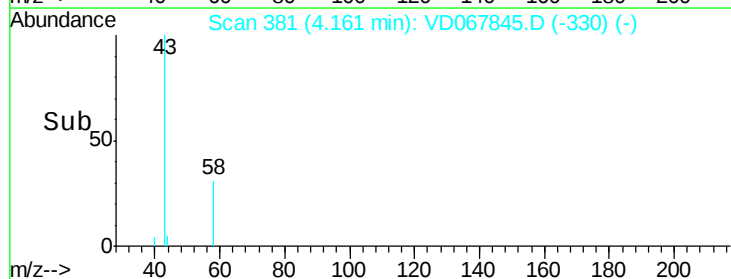
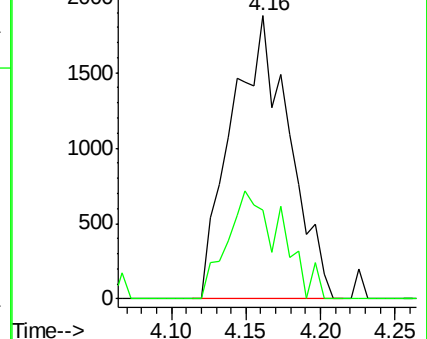
43 100

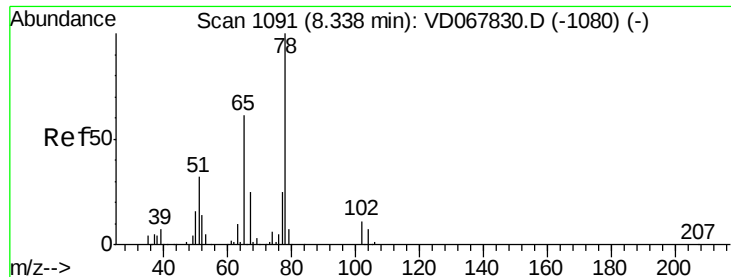
58 31.3 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.918 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067845.D

Acq: 02 Dec 2020 19:36

Instrument :

MSVOA_D

ClientSampleId :

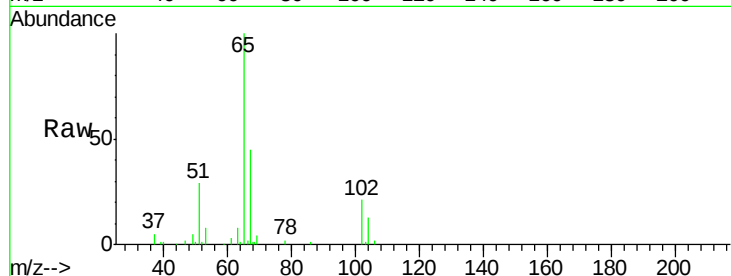
OR-03-12220

Tot Ion: 65 Resp: 100104

Ion Ratio Lower Upper

65 100

67 47.1 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

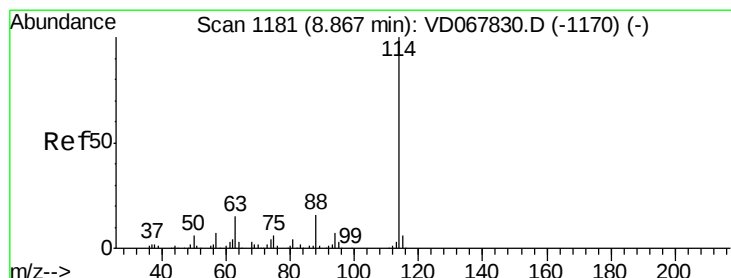
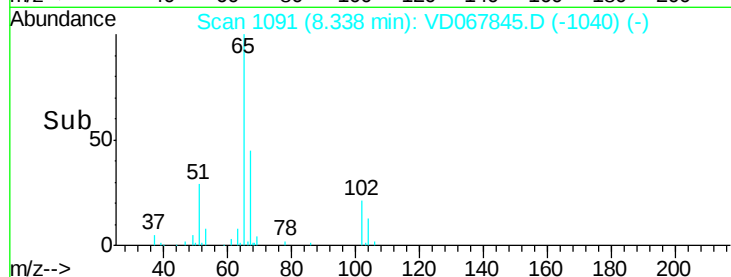
20000

10000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067845.D

Acq: 02 Dec 2020 19:36

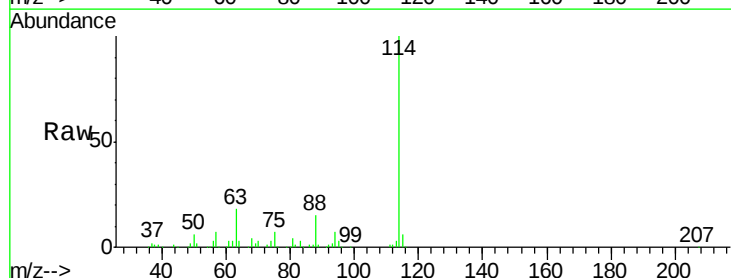
Tgt Ion: 114 Resp: 233994

Ion Ratio Lower Upper

114 100

63 17.8 0.0 30.8

88 15.1 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

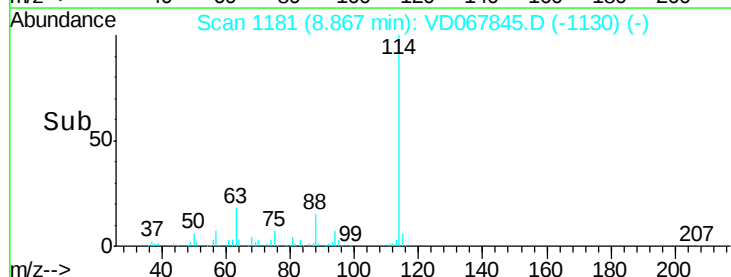
100000

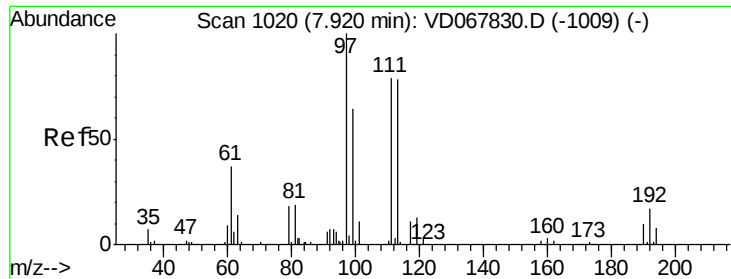
50000

0

8.80 8.90 9.00

Time-->

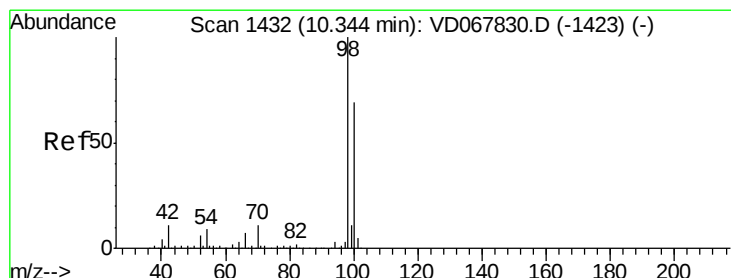
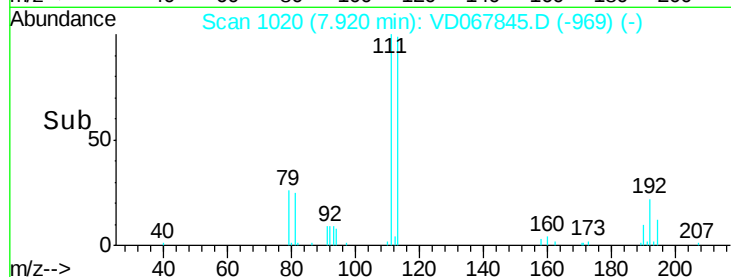
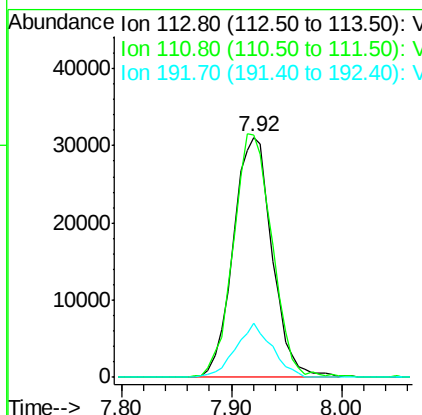
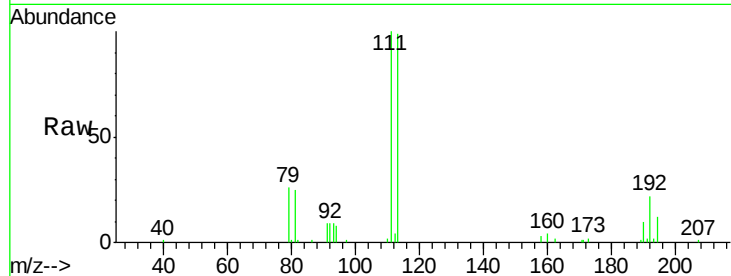




#35
 Dibromofluoromethane
 Concen: 48.971 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067845.D
 Acq: 02 Dec 2020 19:36

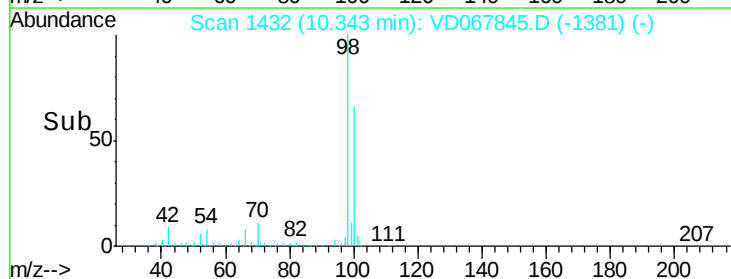
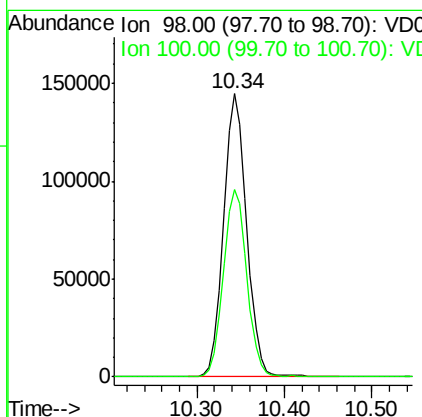
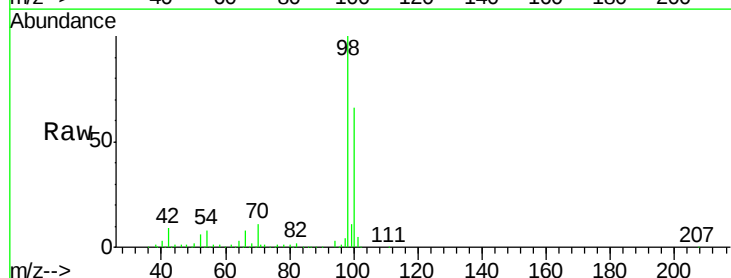
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-12220

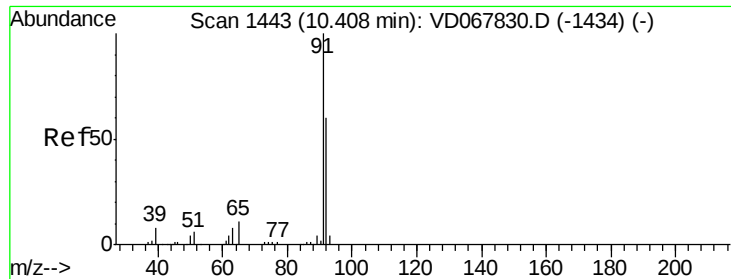
Tot Ion:113 Resp: 76676
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.2 121.8
 192 21.0 16.8 25.2



#50
 Toluene-d8
 Concen: 46.461 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD067845.D
 Acq: 02 Dec 2020 19:36

Tgt Ion: 98 Resp: 261874
 Ion Ratio Lower Upper
 98 100
 100 67.2 52.9 79.3





#52

Toluene

Concen: 1.323 ug/l

RT: 10.41 min Scan# 1444

Delta R.T. 0.01 min

Lab File: VD067845.D

Acq: 02 Dec 2020 19:36

Instrument :

MSVOA_D

ClientSampleId :

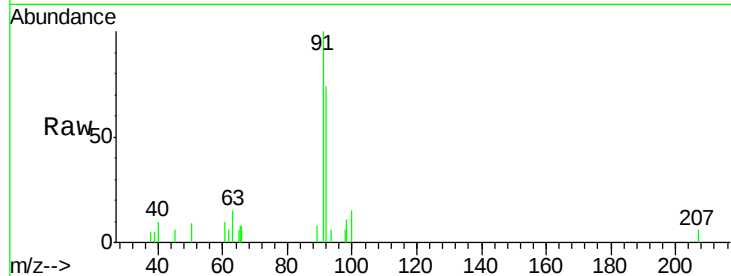
OR-03-12220

Tot Ion: 92 Resp: 5128

Ion Ratio Lower Upper

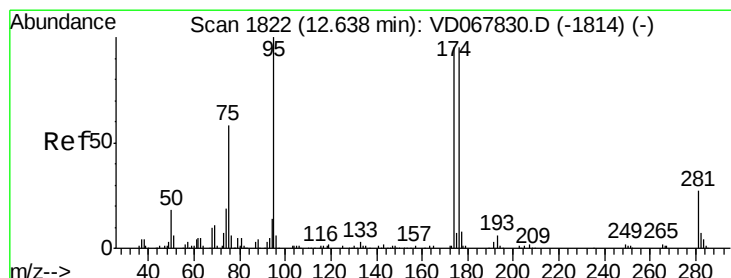
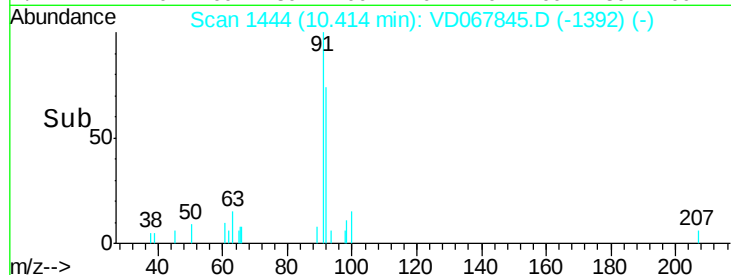
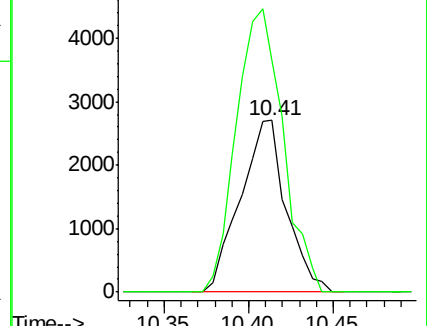
92 100

91 167.0 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.109 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067845.D

Acq: 02 Dec 2020 19:36

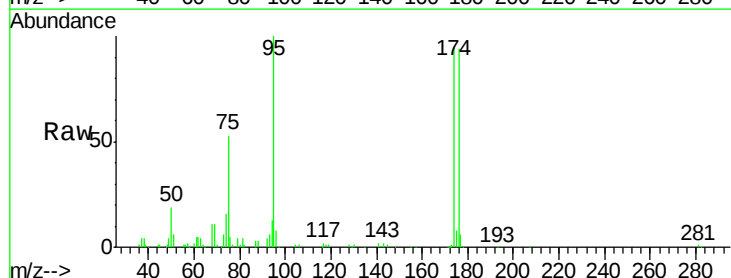
Tgt Ion: 95 Resp: 89852

Ion Ratio Lower Upper

95 100

174 93.0 0.0 186.0

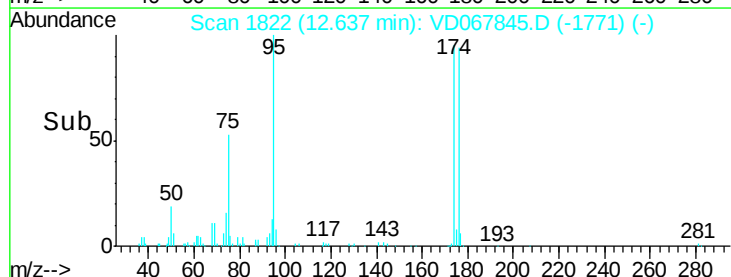
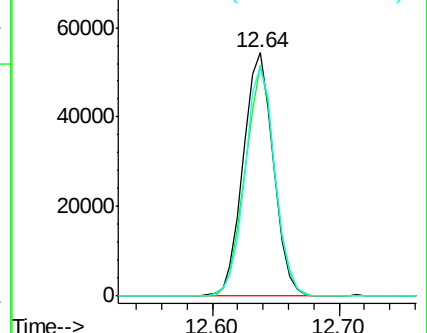
176 93.3 0.0 184.2

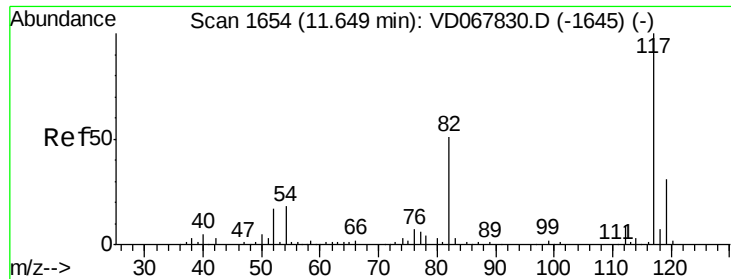


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

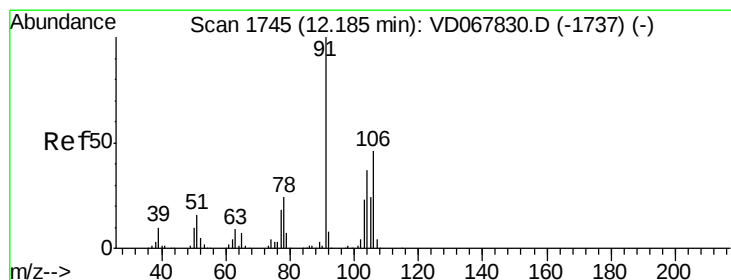
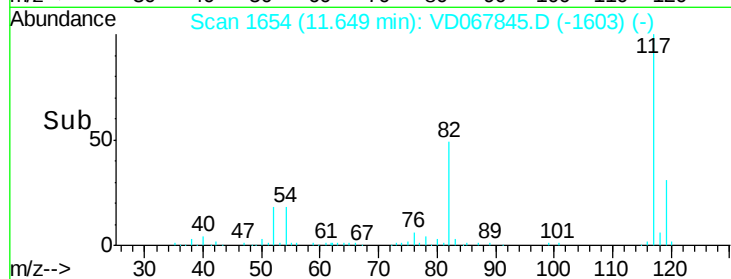
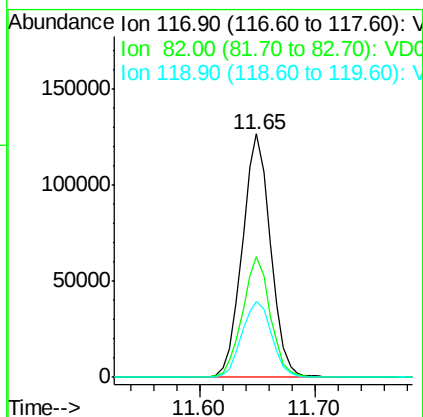
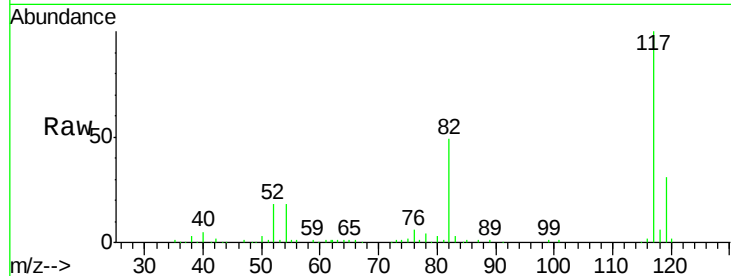




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067845.D
Acq: 02 Dec 2020 19:36

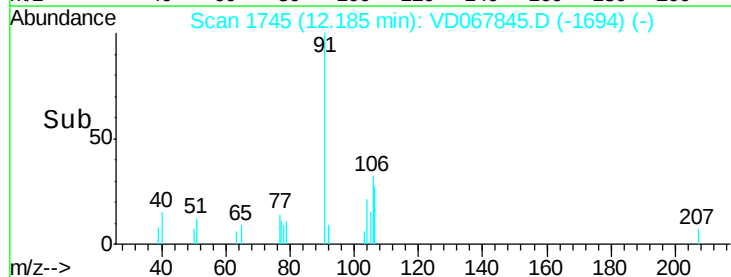
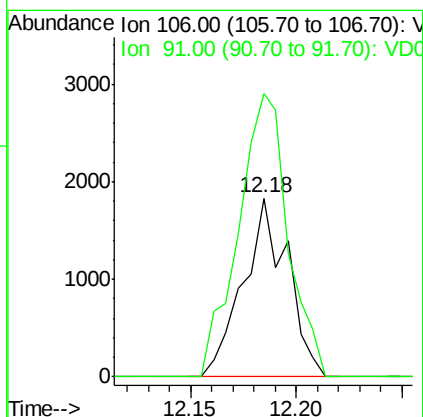
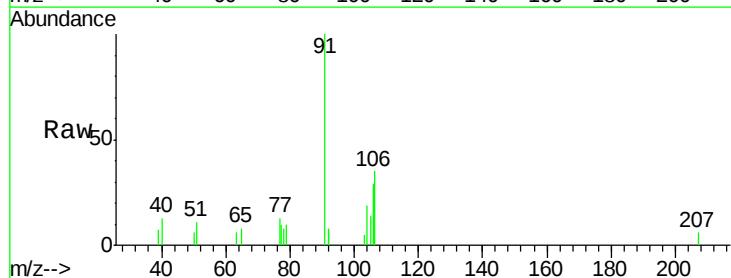
Instrument :
MSVOA_D
ClientSampleId :
OR-03-12220

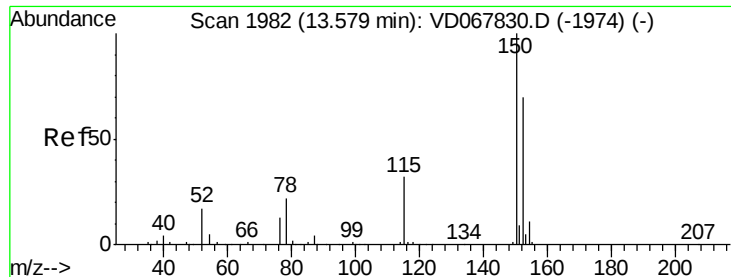
Tot Ion:117 Resp: 214985
Ion Ratio Lower Upper
117 100
82 49.5 40.6 60.8
119 31.4 25.1 37.7



#69
o-Xylene
Concen: 1.008 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067845.D
Acq: 02 Dec 2020 19:36

Tgt Ion:106 Resp: 2666
Ion Ratio Lower Upper
106 100
91 178.1 107.5 322.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067845.D

Acq: 02 Dec 2020 19:36

Instrument :

MSVOA_D

ClientSampleId :

OR-03-12220

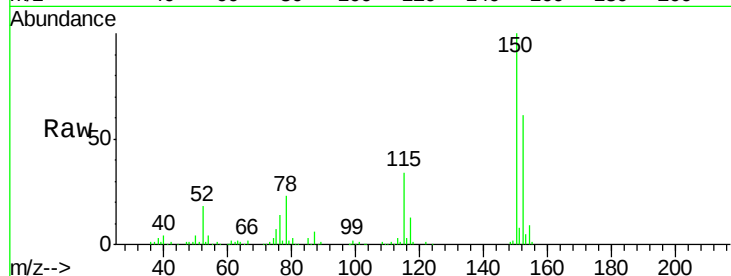
Tot Ion:152 Resp: 104504

Ion Ratio Lower Upper

152 100

115 58.9 29.1 87.4

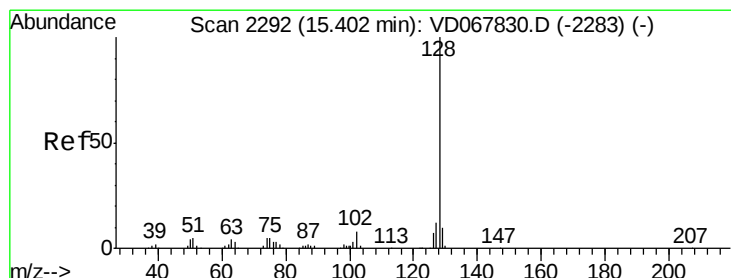
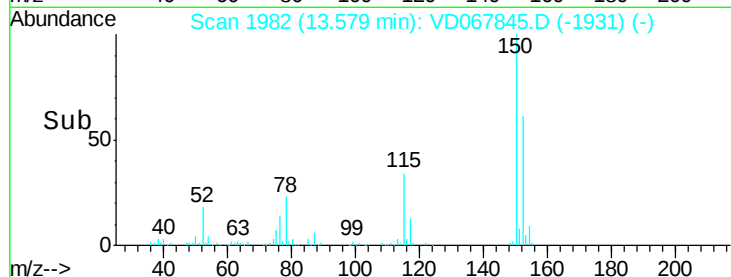
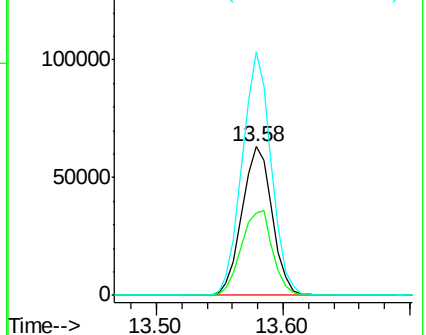
150 156.9 0.0 339.0



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



#95

Naphthalene

Concen: 1.390 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067845.D

Acq: 02 Dec 2020 19:36

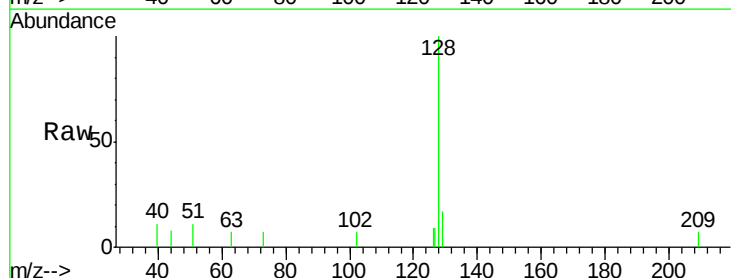
Tgt Ion:128 Resp: 4729

Ion Ratio Lower Upper

128 100

127 8.3 10.6 15.8#

129 10.6 9.0 13.6



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

