

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067908.D
 Acq On : 08 Dec 2020 11:53
 Operator : VA/SY
 Sample : L4966-01
 Misc : 5.63G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 239995

Quant Time: Dec 09 04:39:24 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	236351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	329905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	281399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	106980	42.16	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.32%
35) Dibromofluoromethane	7.91	113	96739	43.82	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.64%
50) Toluene-d8	10.34	98	365450	45.99	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.98%
62) 4-Bromofluorobenzene	12.64	95	113797	41.42	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.84%

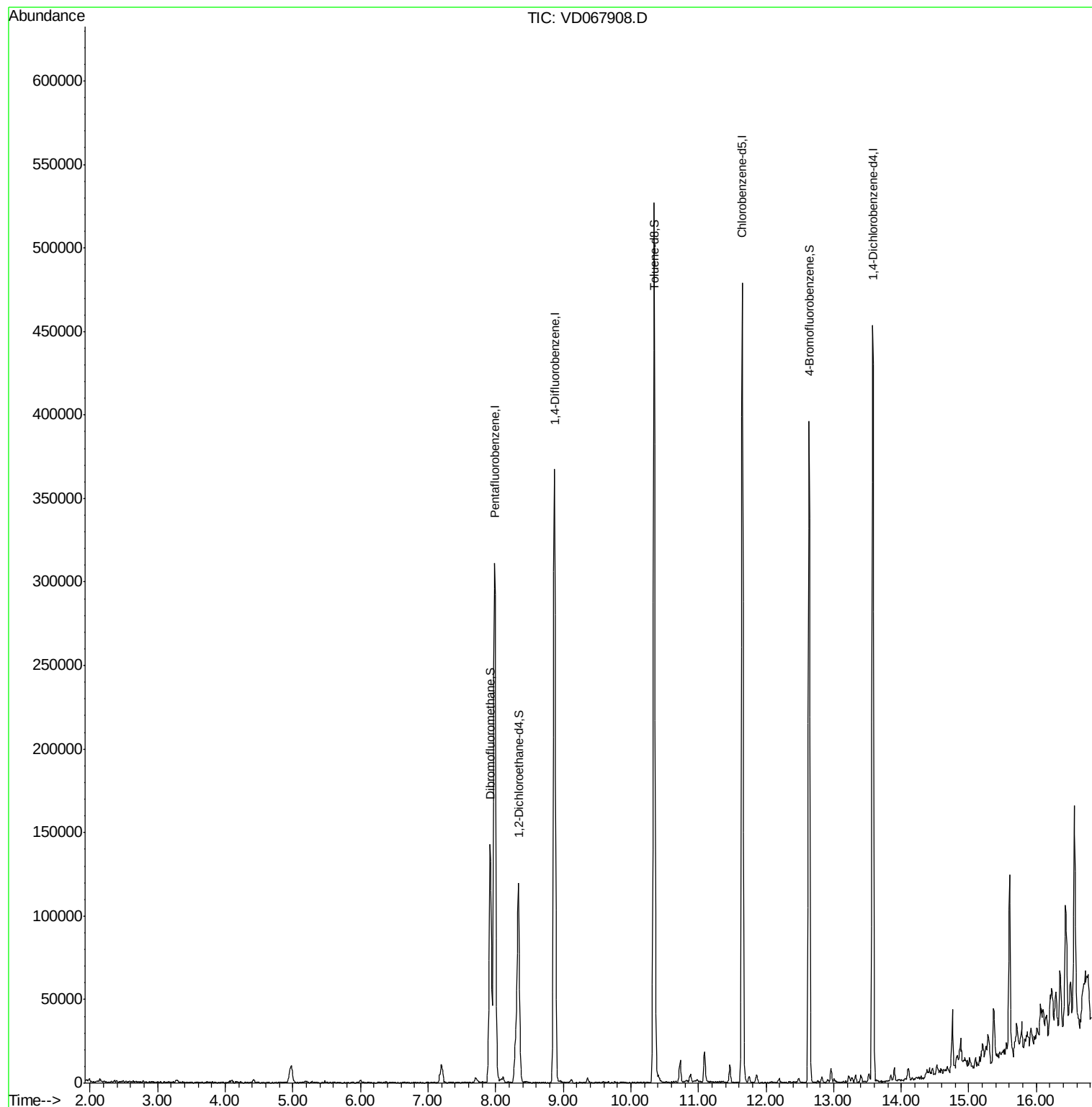
Target Compounds	Qvalue
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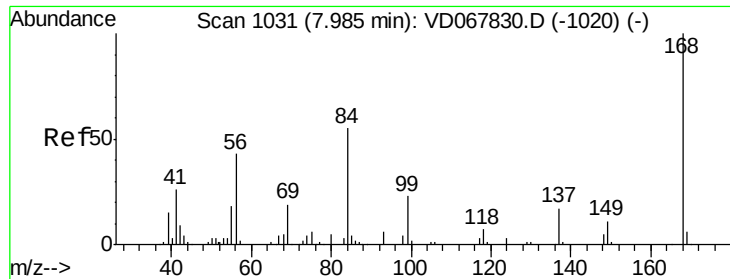
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

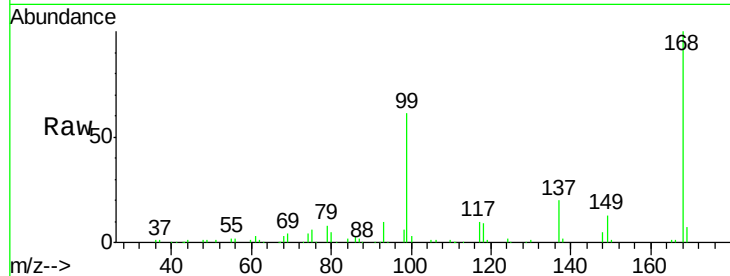
239995

Tot Ion:168 Resp: 236351

Ion Ratio Lower Upper

168 100

99 60.4 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

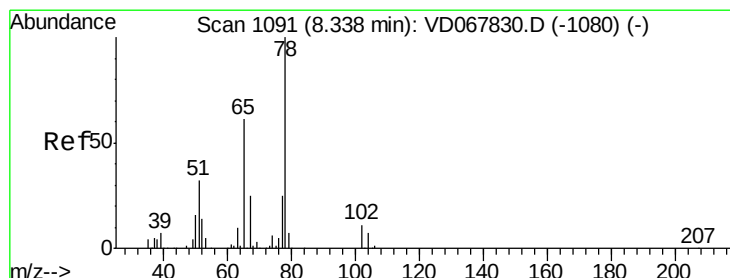
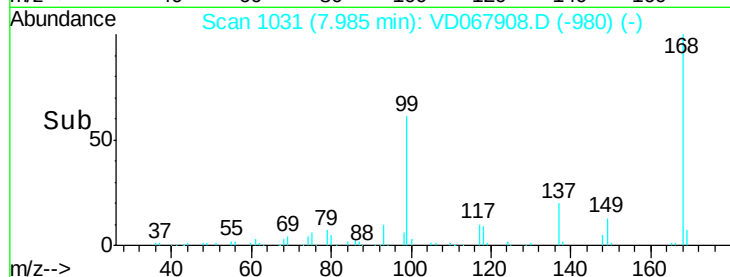
40000

20000

0

Time-->

7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 42.163 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067908.D

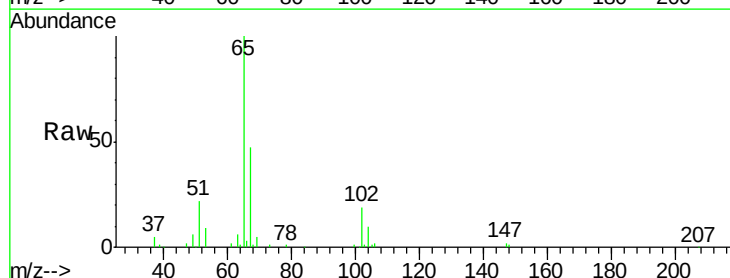
Acq: 08 Dec 2020 11:53

Tgt Ion: 65 Resp: 106980

Ion Ratio Lower Upper

65 100

67 47.5 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

50000

40000

30000

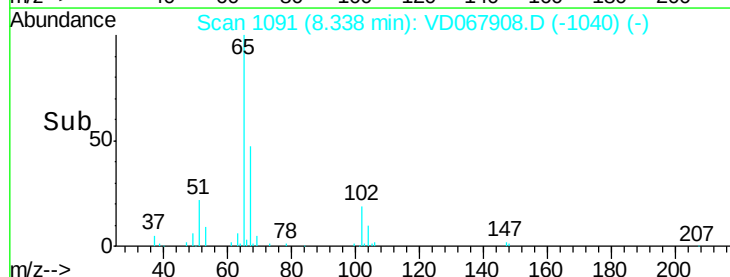
20000

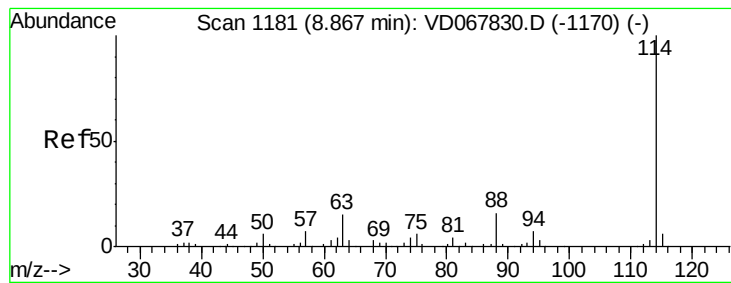
10000

0

Time-->

8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

239995

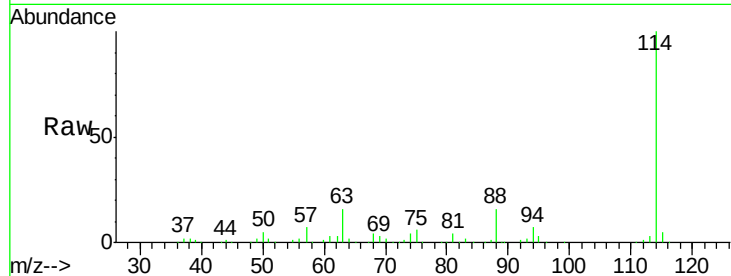
Tot Ion:114 Resp: 329905

Ion Ratio Lower Upper

114 100

63 16.1 0.0 30.8

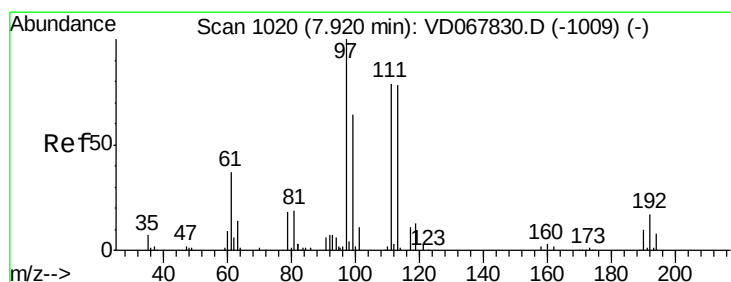
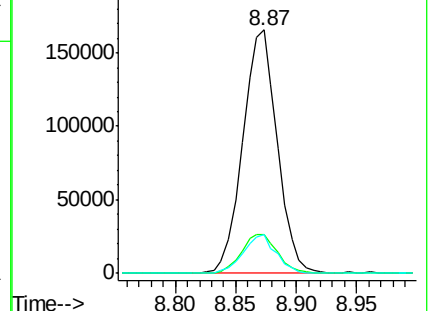
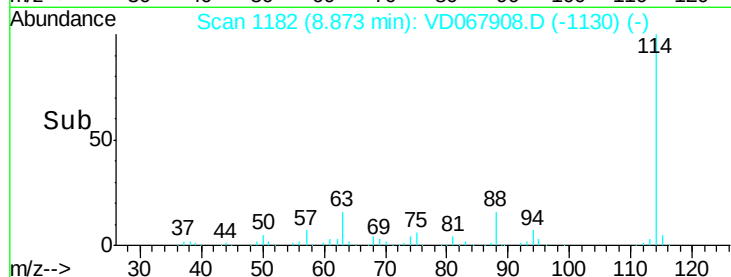
88 15.7 0.0 31.8



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: 43.822 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

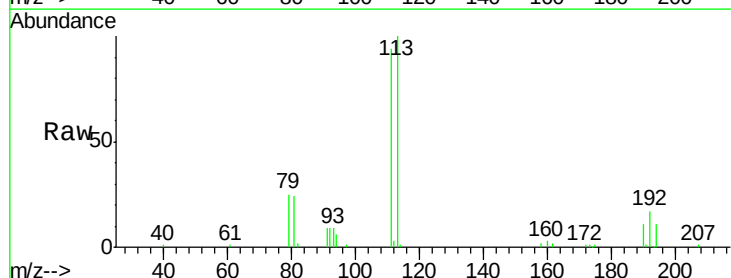
Tgt Ion:113 Resp: 96739

Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

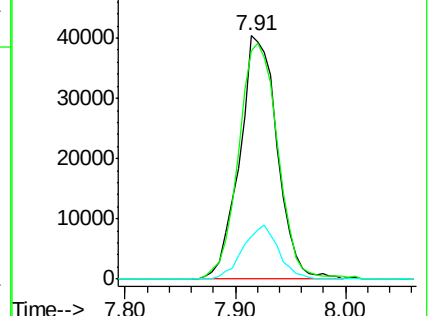
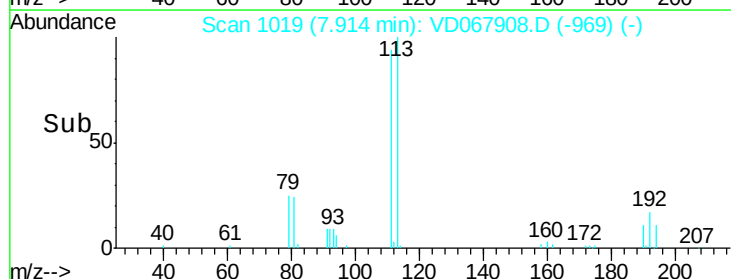
192 20.8 16.8 25.2

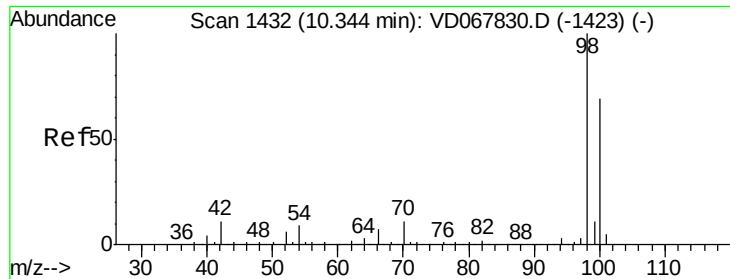


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.987 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :

MSVOA_D

ClientSampled :

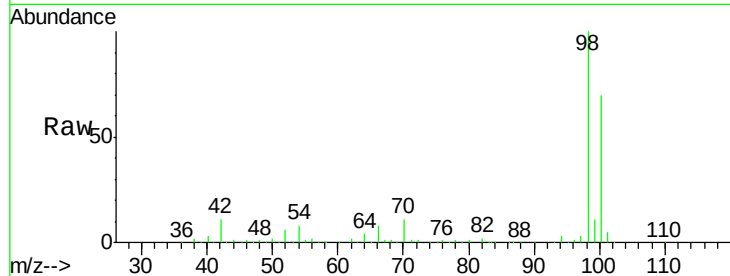
239995

Tot Ion: 98 Resp: 365450

Ion Ratio Lower Upper

98 100

100 67.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

200000

150000

100000

50000

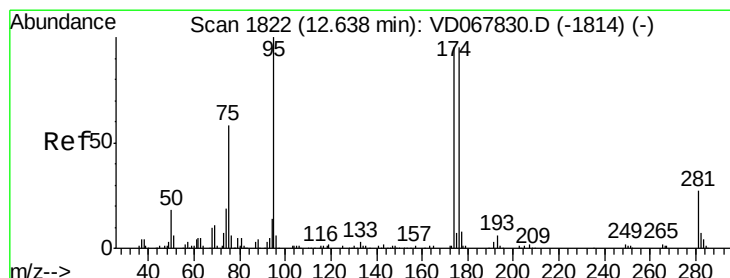
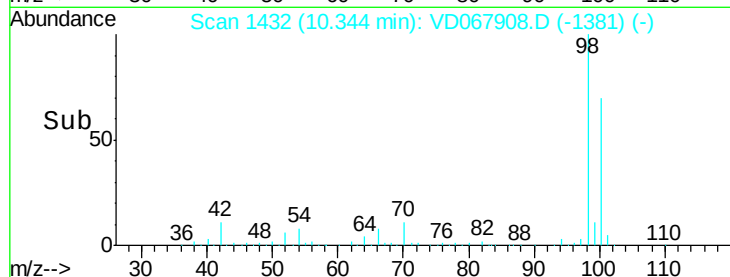
0

10.30

10.34

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 41.420 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

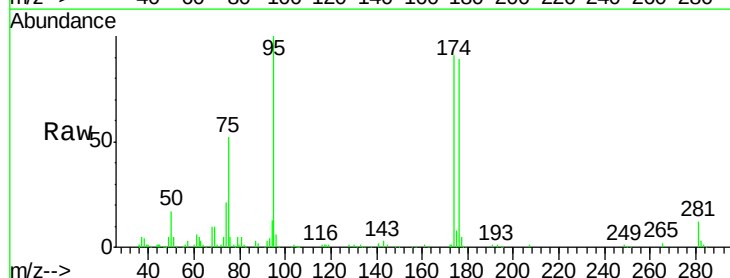
Tgt Ion: 95 Resp: 113797

Ion Ratio Lower Upper

95 100

174 96.1 0.0 186.0

176 91.7 0.0 184.2



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

100000

80000

60000

40000

20000

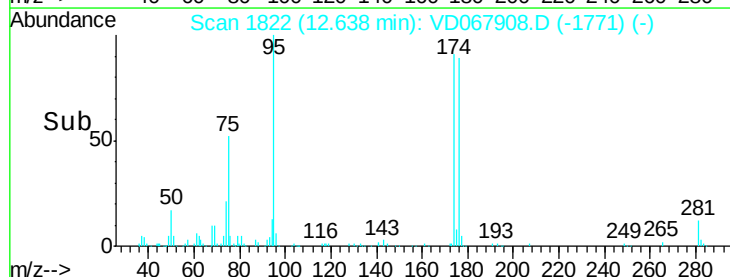
0

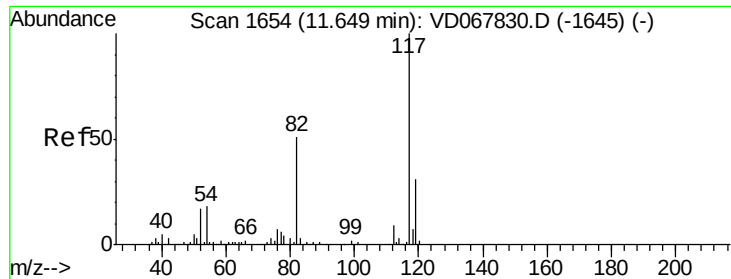
12.60

12.64

12.70

Time-->

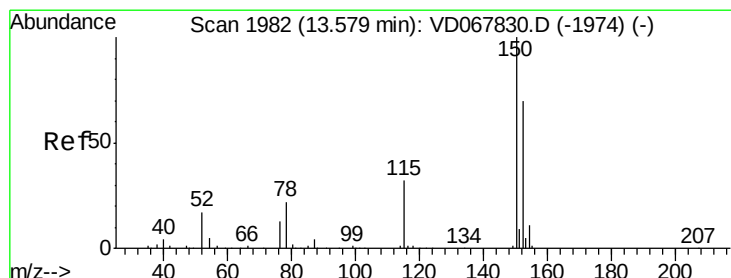
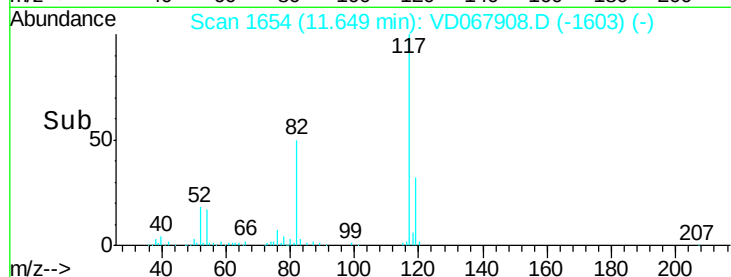
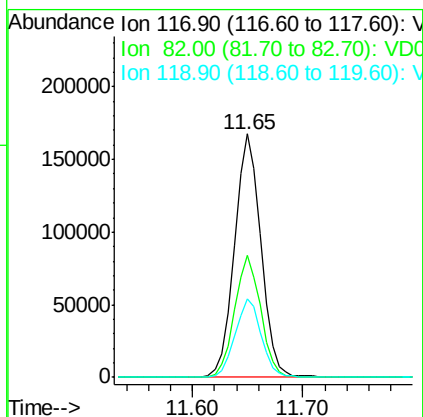
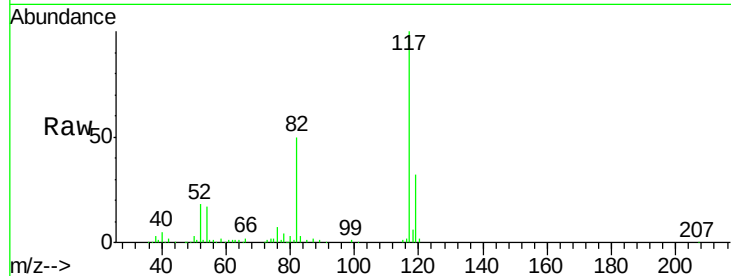




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067908.D
Acq: 08 Dec 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
239995

Tot Ion:117 Resp: 281399
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067908.D
Acq: 08 Dec 2020 11:53

Tgt Ion:152 Resp: 125166
Ion Ratio Lower Upper
152 100
115 60.2 29.1 87.4
150 158.1 0.0 339.0

