

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067897.D
 Acq On : 07 Dec 2020 14:09
 Operator : VA/SY
 Sample : L4970-03
 Misc : 6.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 4S2-D-BOTTOM

Quant Time: Dec 08 03:36:18 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	210698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	236143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	93034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	103648	45.82	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.64%
35) Dibromofluoromethane	7.92	113	86462	45.00	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.00%
50) Toluene-d8	10.34	98	314281	45.44	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.88%
62) 4-Bromofluorobenzene	12.64	95	89625	37.48	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.96%

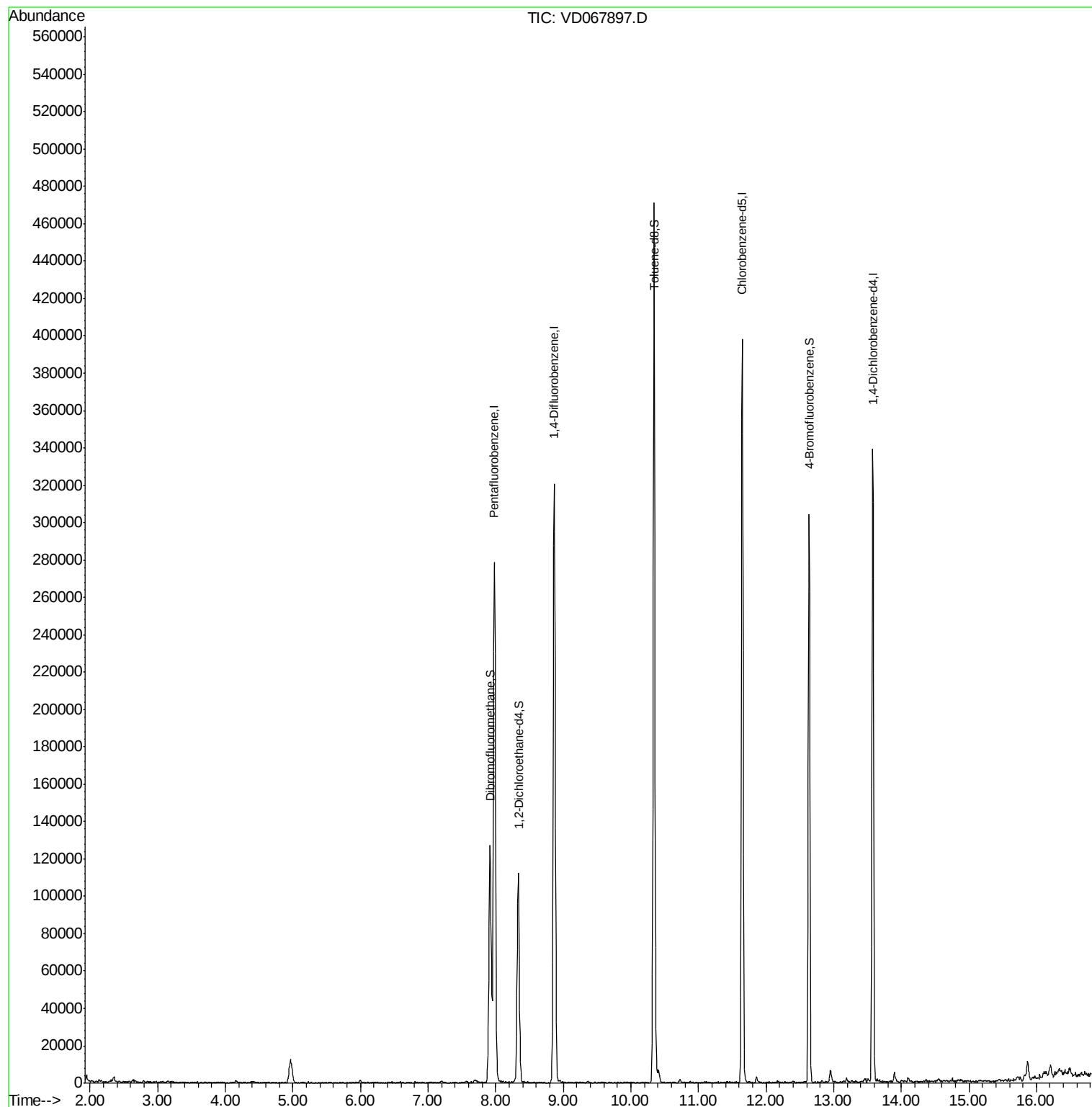
Target Compounds	Qvalue
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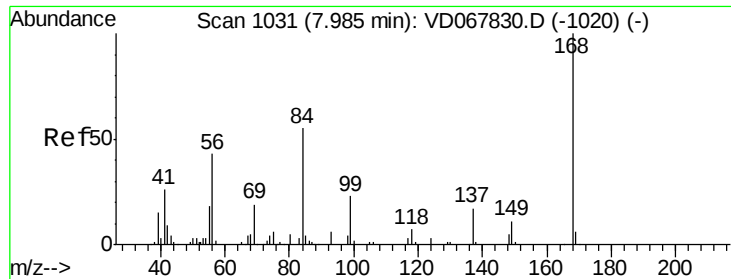
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067897.D

Acq: 07 Dec 2020 14:09

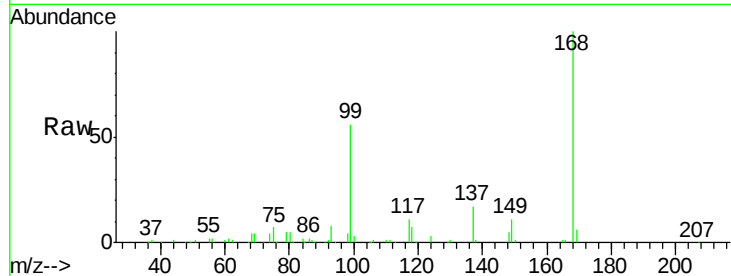
Instrument :
MSVOA_D
ClientSampleId :
4S2-D-BOTTOM

Tot Ion:168 Resp: 210698

Ion Ratio Lower Upper

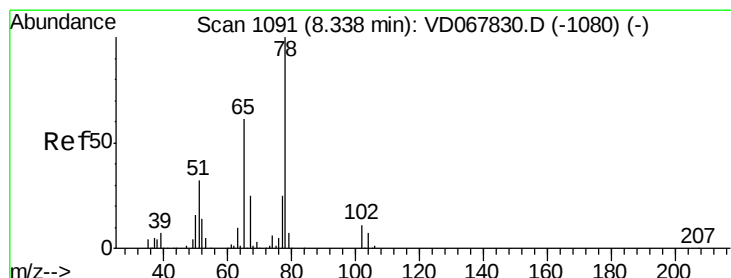
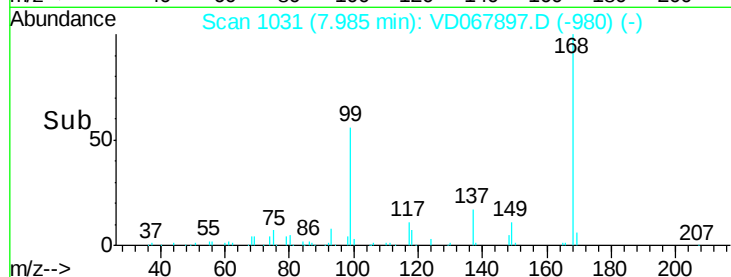
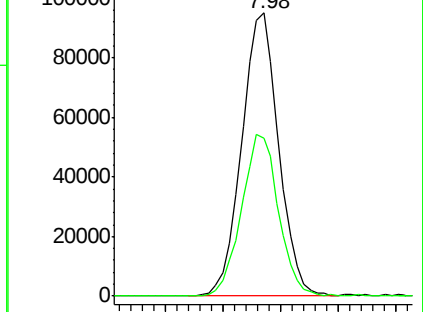
168 100

99 55.4 47.1 70.7



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: 45.823 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067897.D

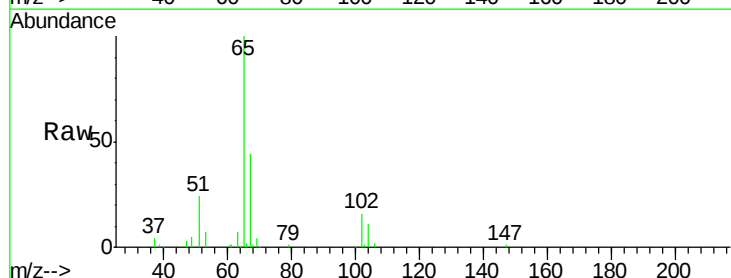
Acq: 07 Dec 2020 14:09

Tgt Ion: 65 Resp: 103648

Ion Ratio Lower Upper

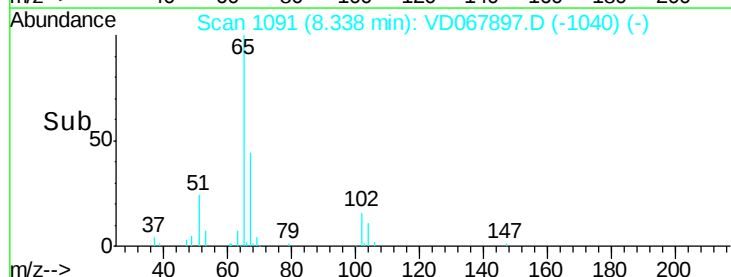
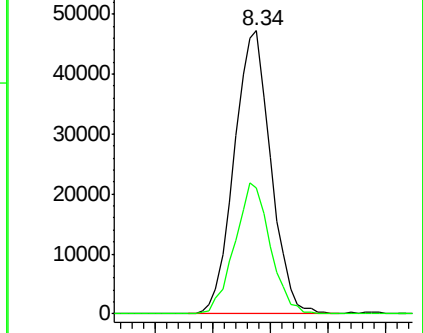
65 100

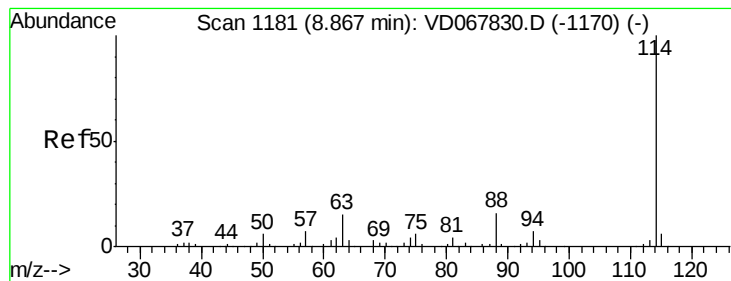
67 45.1 0.0 92.0



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: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067897.D

Acq: 07 Dec 2020 14:09

Instrument :

MSVOA_D

ClientSampleId :

4S2-D-BOTTOM

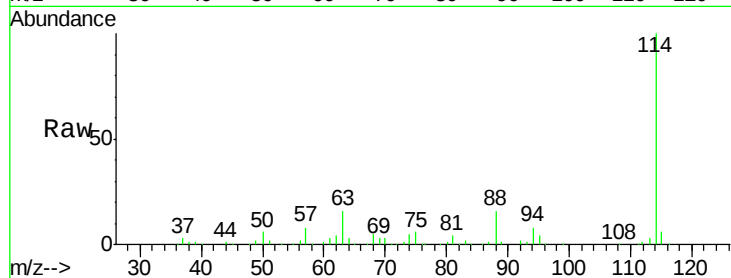
Tot Ion:114 Resp: 287162

Ion Ratio Lower Upper

114 100

63 16.2 0.0 30.8

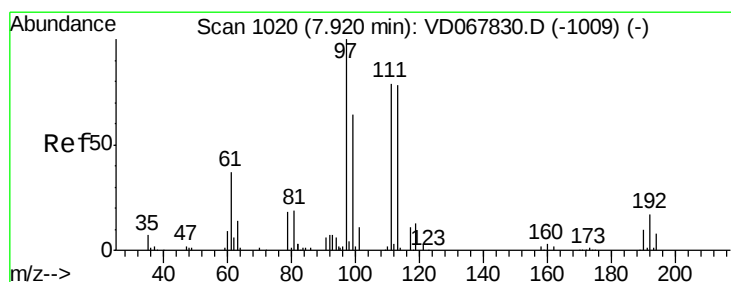
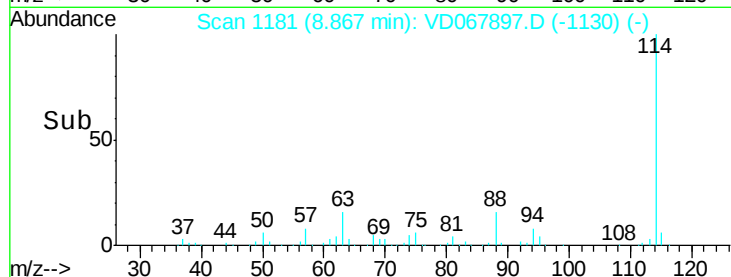
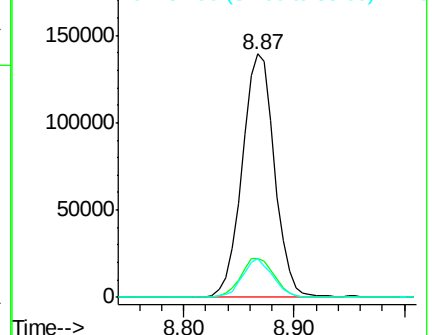
88 15.7 0.0 31.8



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: 44.996 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067897.D

Acq: 07 Dec 2020 14:09

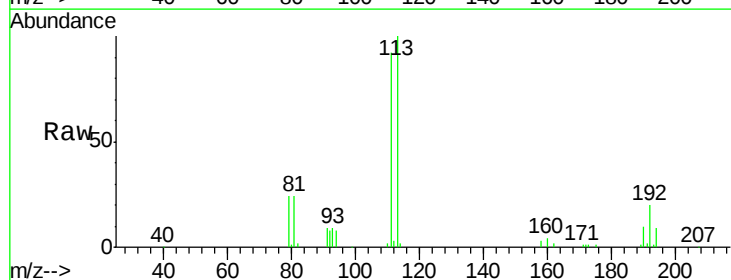
Tgt Ion:113 Resp: 86462

Ion Ratio Lower Upper

113 100

111 100.0 81.2 121.8

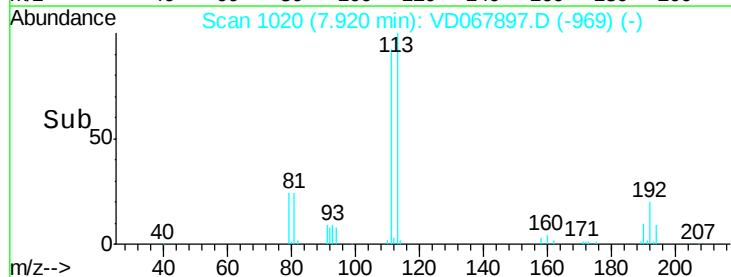
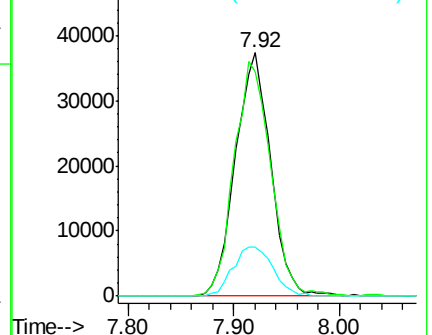
192 23.0 16.8 25.2

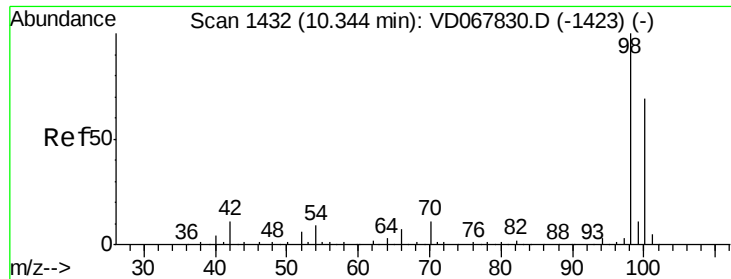


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.435 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067897.D

Acq: 07 Dec 2020 14:09

Instrument :

MSVOA_D

ClientSampleId :

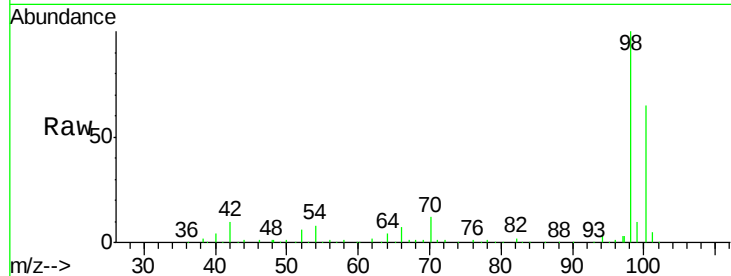
4S2-D-BOTTOM

Tot Ion: 98 Resp: 314281

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VD067830.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD067830.D (-1423) (-)

10.34

150000

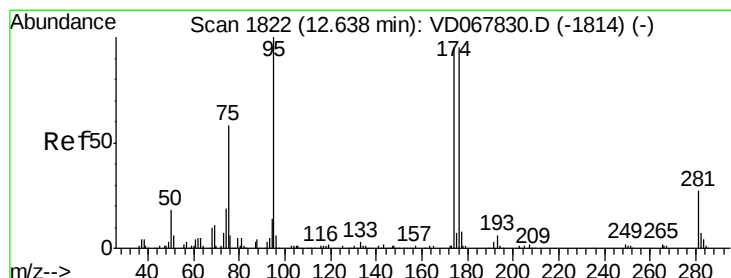
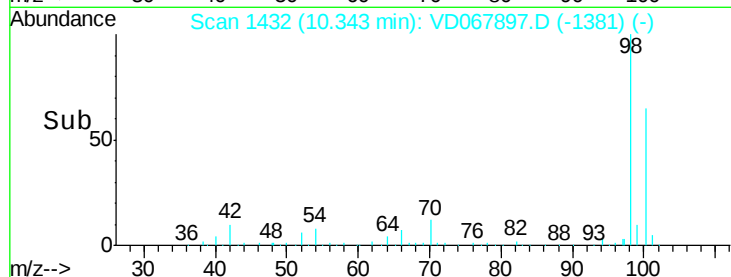
100000

50000

0

10.30 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 37.477 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067897.D

Acq: 07 Dec 2020 14:09

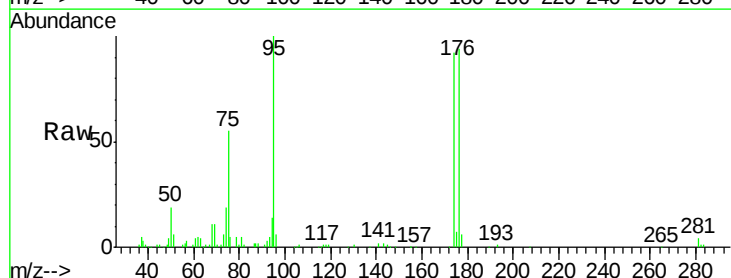
Tgt Ion: 95 Resp: 89625

Ion Ratio Lower Upper

95 100

174 99.5 0.0 186.0

176 96.0 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VD067830.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD067830.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD067830.D (-1814) (-)

12.64

60000

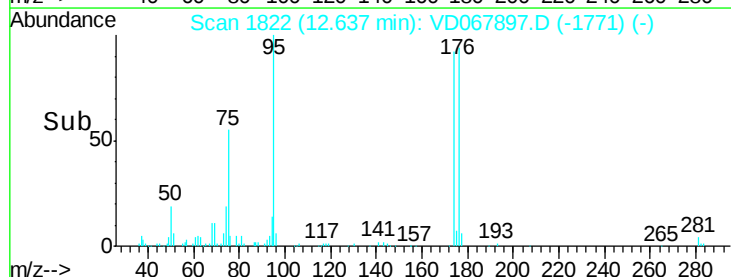
40000

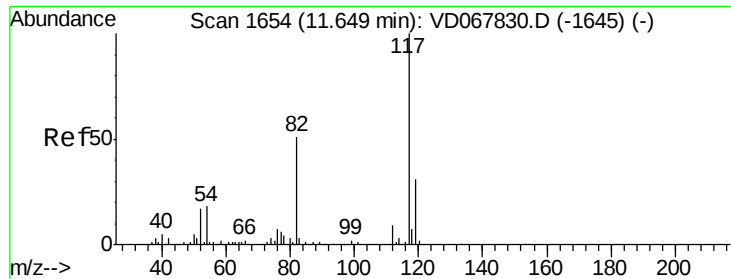
20000

0

12.55 12.60 12.65 12.70

Time-->

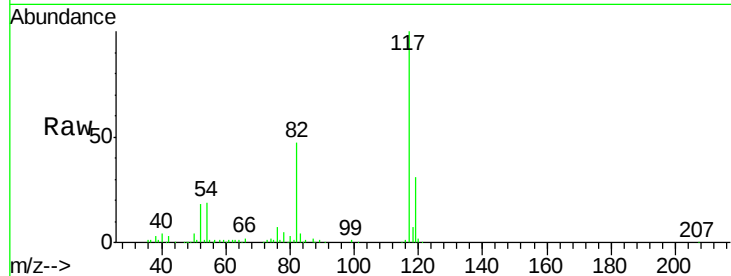




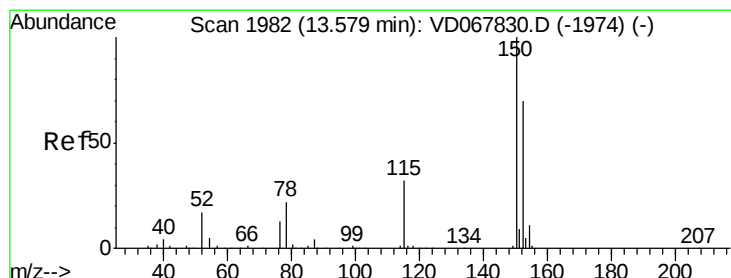
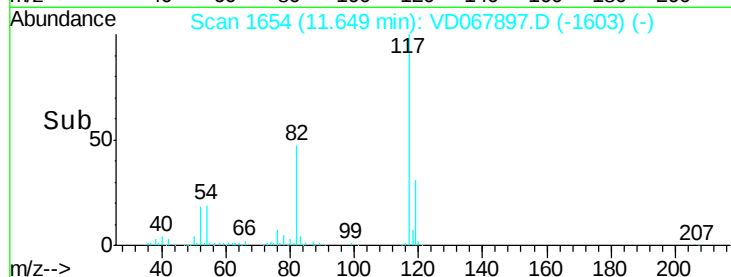
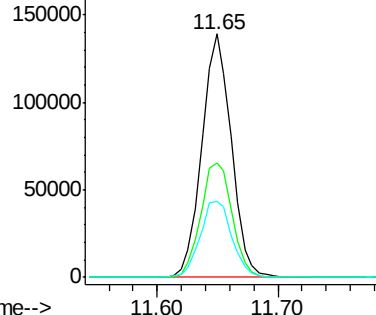
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067897.D
Acq: 07 Dec 2020 14:09

Instrument :
MSVOA_D
ClientSampleId :
4S2-D-BOTTOM

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.9	40.6	60.8
119	31.2	25.1	37.7

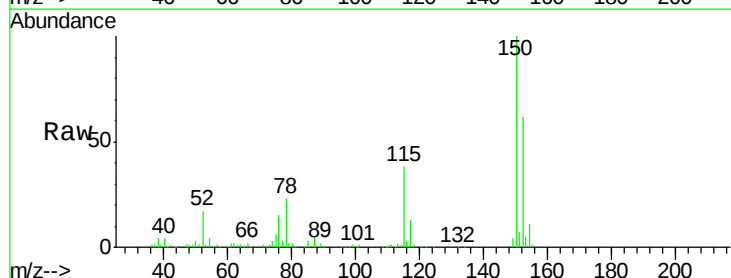


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067897.D
Acq: 07 Dec 2020 14:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.1	87.4
150	157.8	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

