

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067921.D
 Acq On : 09 Dec 2020 12:04
 Operator : VA/SY
 Sample : L4977-01
 Misc : 5.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11976

Quant Time: Dec 10 03:35:53 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	7992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	10488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	10097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	5089	59.31	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.62%
35) Dibromofluoromethane	7.93	113	2781	39.63	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.26%
50) Toluene-d8	10.34	98	12138	48.05	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.10%
62) 4-Bromofluorobenzene	12.64	95	3657	41.87	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.74%

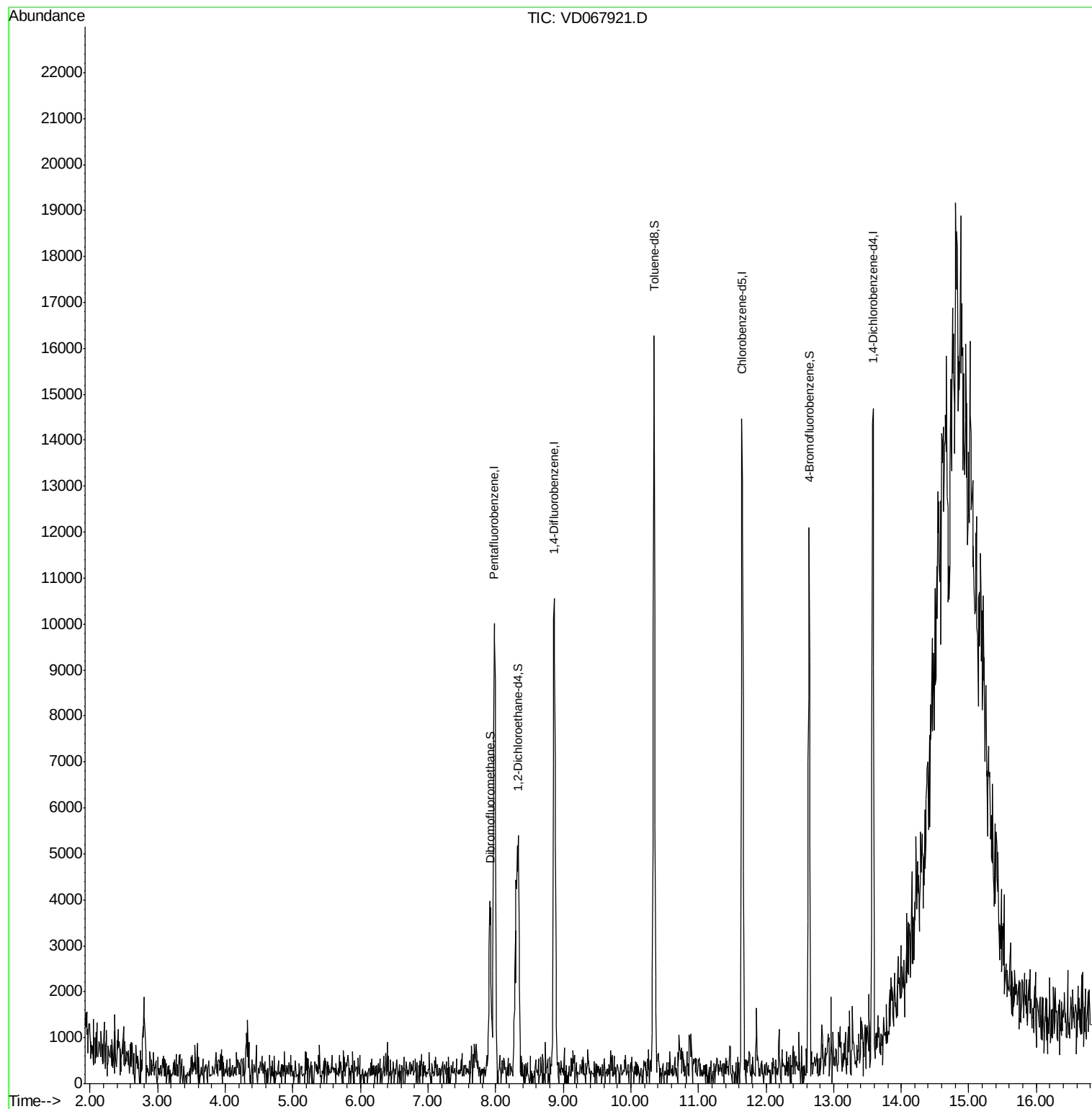
Target Compounds	Qvalue
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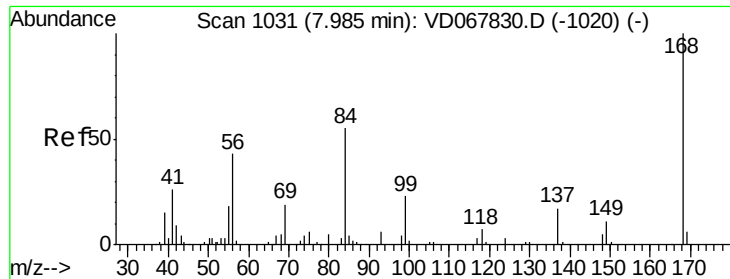
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067921.D

Acq: 09 Dec 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

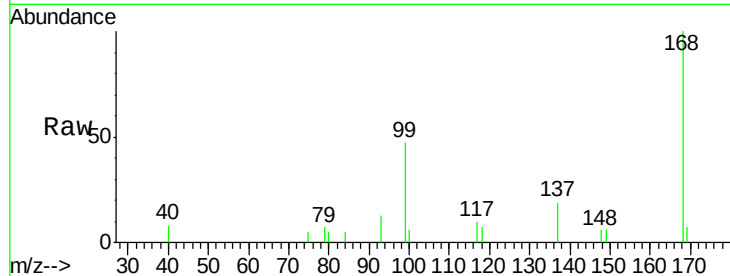
72-11976

Tot Ion:168 Resp: 7992

Ion Ratio Lower Upper

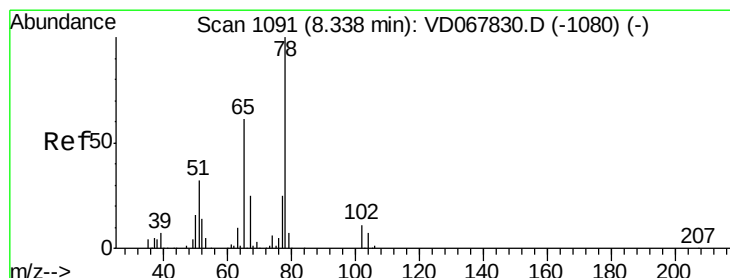
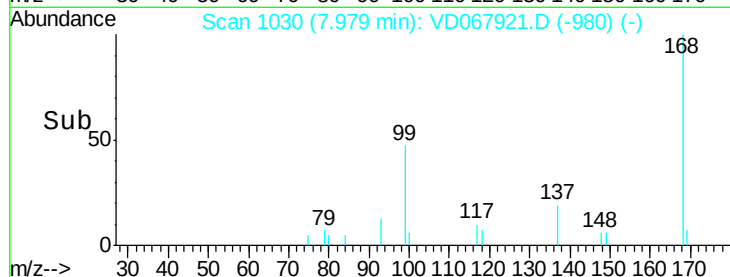
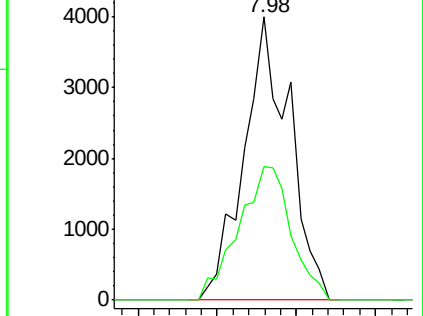
168 100

99 47.3 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: 59.314 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067921.D

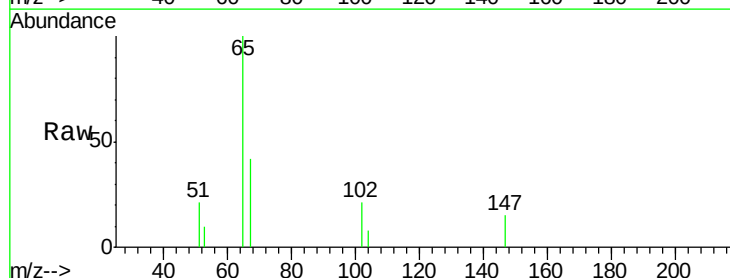
Acq: 09 Dec 2020 12:04

Tgt Ion: 65 Resp: 5089

Ion Ratio Lower Upper

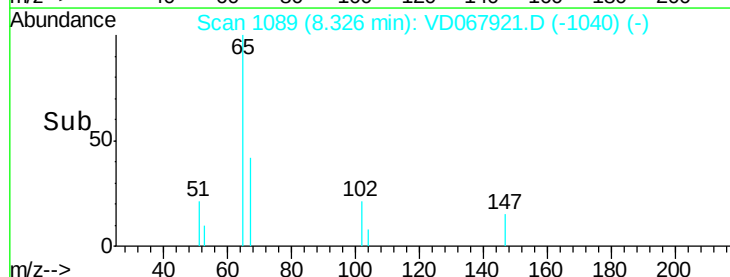
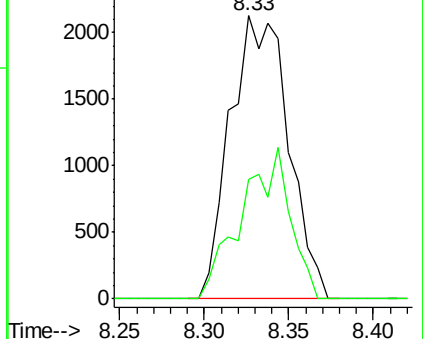
65 100

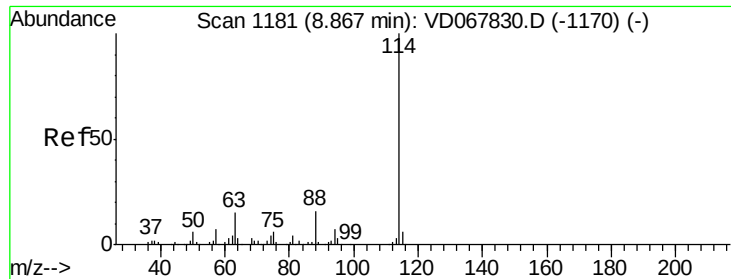
67 44.8 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

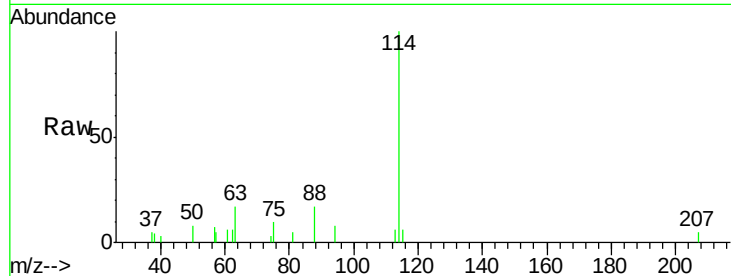




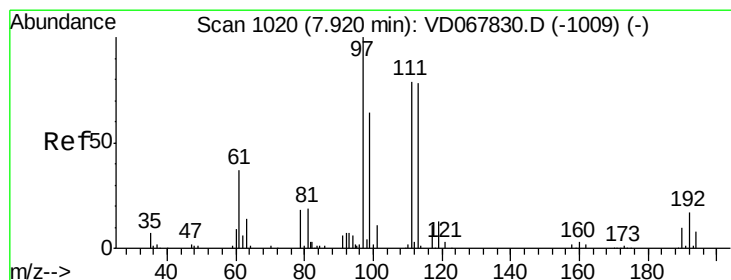
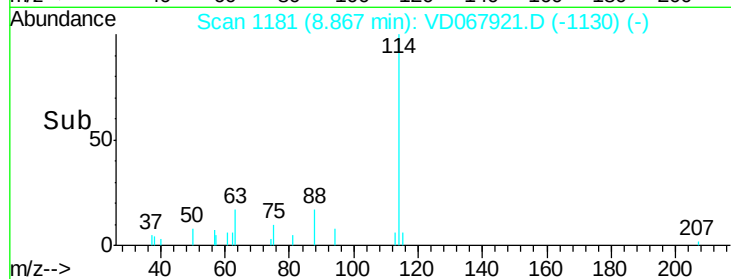
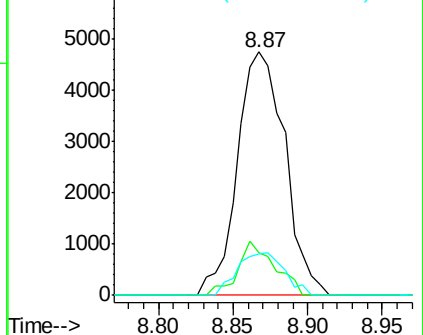
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067921.D
 Acq: 09 Dec 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11976

Tot Ion:114 Resp: 10488
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 30.8
 88 16.8 0.0 31.8

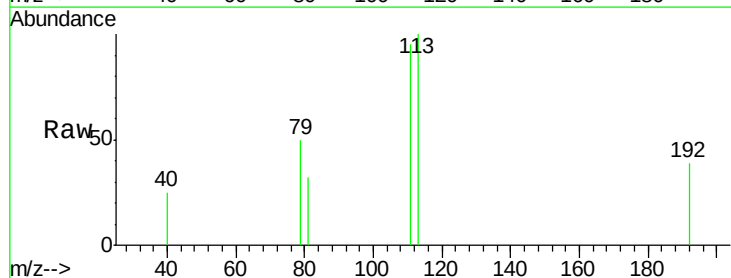


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

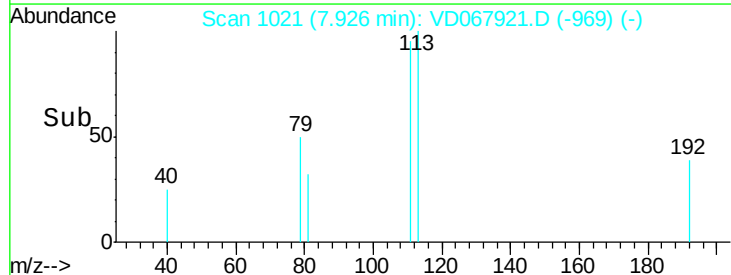
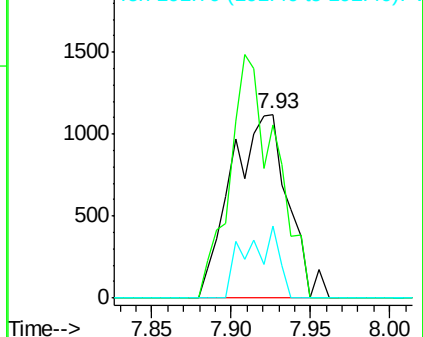


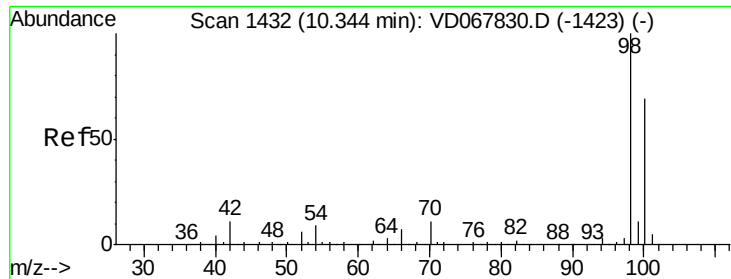
#35
 Dibromofluoromethane
 Concen: 39.627 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD067921.D
 Acq: 09 Dec 2020 12:04

Tgt Ion:113 Resp: 2781
 Ion Ratio Lower Upper
 113 100
 111 107.7 81.2 121.8
 192 22.5 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: 48.046 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067921.D

Acq: 09 Dec 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

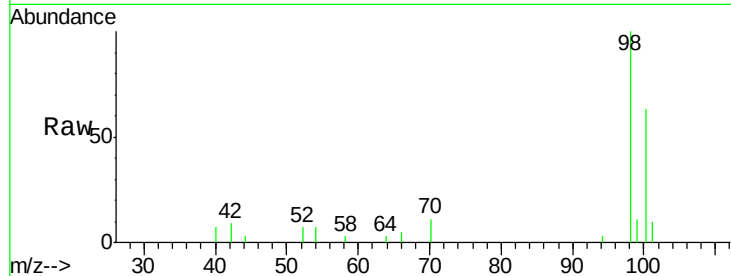
72-11976

Tot Ion: 98 Resp: 12138

Ion Ratio Lower Upper

98 100

100 60.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

6000

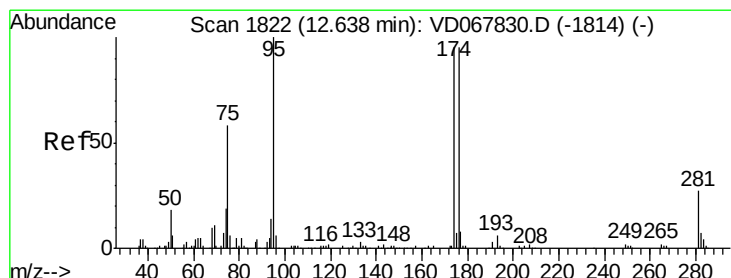
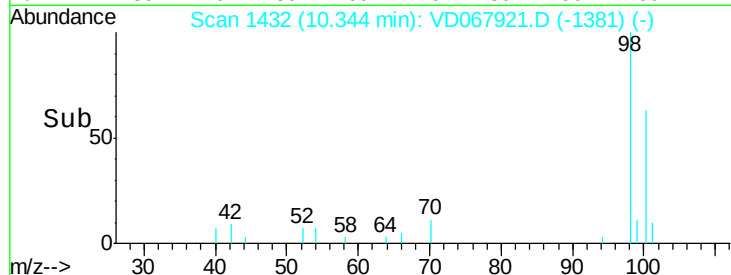
4000

2000

0

10.30 10.35 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 41.870 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067921.D

Acq: 09 Dec 2020 12:04

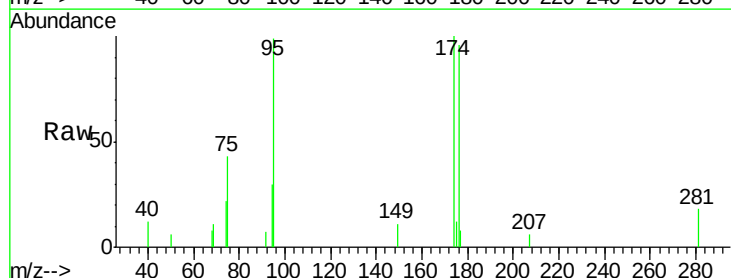
Tgt Ion: 95 Resp: 3657

Ion Ratio Lower Upper

95 100

174 88.6 0.0 186.0

176 92.9 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

12.64

3000

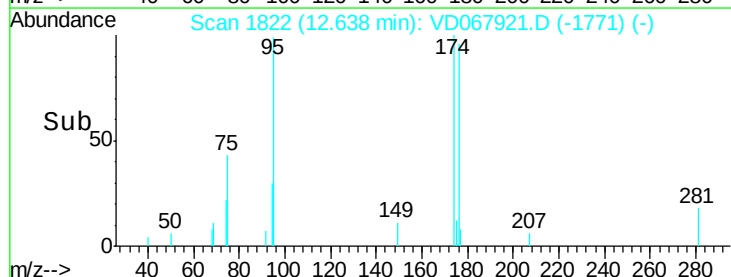
2000

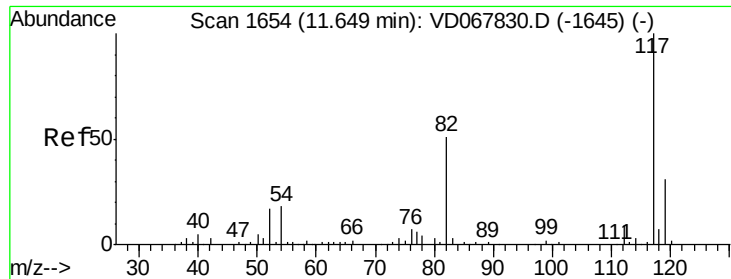
1000

0

12.60 12.65

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067921.D

Acq: 09 Dec 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

72-11976

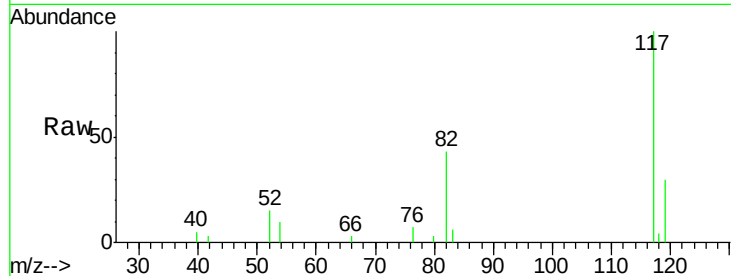
Tot Ion:117 Resp: 10097

Ion Ratio Lower Upper

117 100

82 42.6 40.6 60.8

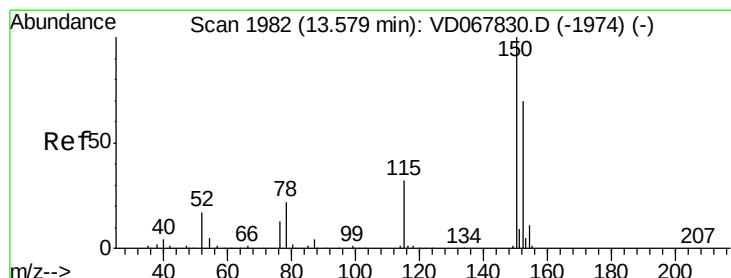
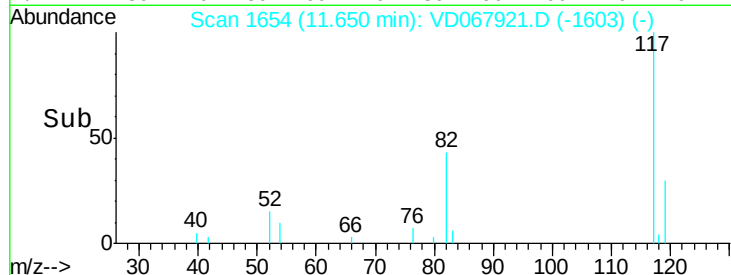
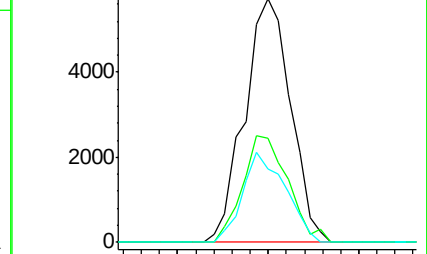
119 30.0 25.1 37.7



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# 1983

Delta R.T. 0.01 min

Lab File: VD067921.D

Acq: 09 Dec 2020 12:04

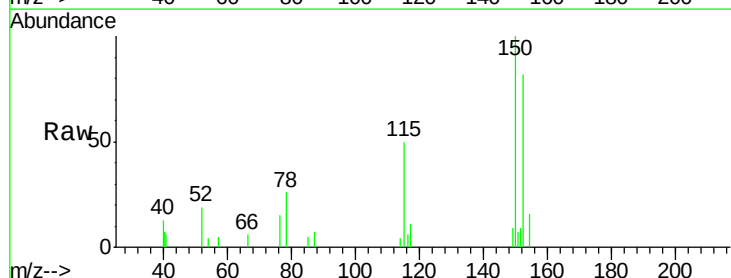
Tgt Ion:152 Resp: 4314

Ion Ratio Lower Upper

152 100

115 70.9 29.1 87.4

150 163.4 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

