

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067926.D
 Acq On : 09 Dec 2020 14:19
 Operator : VA/SY
 Sample : L4977-01
 Misc : 5.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11976

Quant Time: Dec 10 03:45:05 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	7.99	168	216771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	302567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	259004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99693	42.84	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.68%
35) Dibromofluoromethane	7.92	113	89763	44.34	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.68%
50) Toluene-d8	10.34	98	343372	47.11	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.22%
62) 4-Bromofluorobenzene	12.64	95	103896	41.23	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.46%

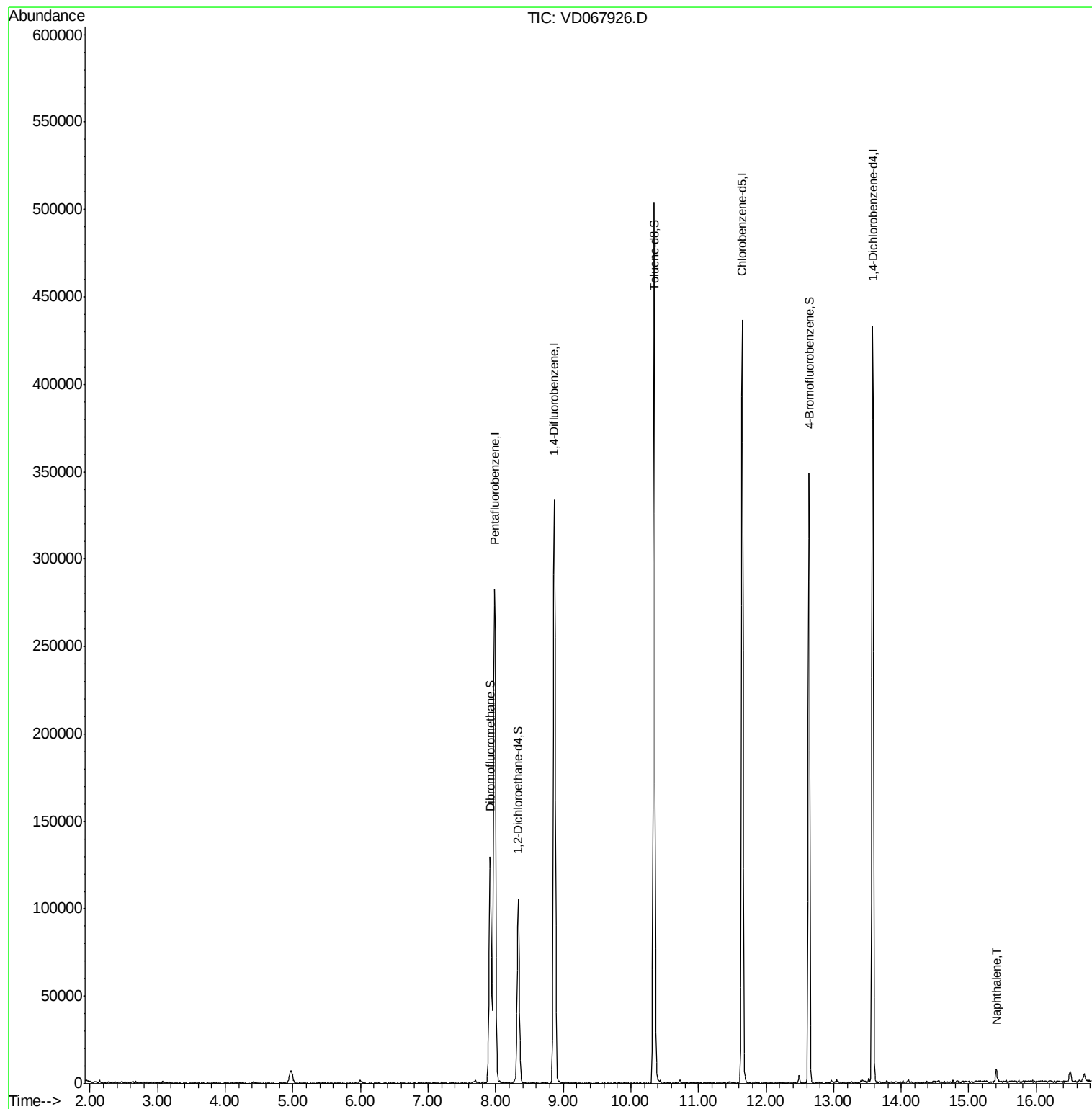
Target Compounds					Qvalue
95) Naphthalene	15.41	128	6598	1.675 ug/l	97

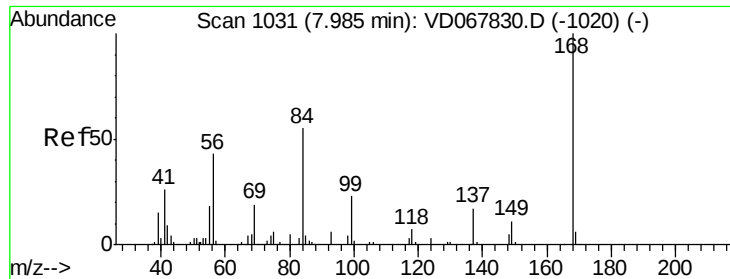
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067926.D

Acq: 09 Dec 2020 14:19

Instrument :

MSVOA_D

ClientSampleId :

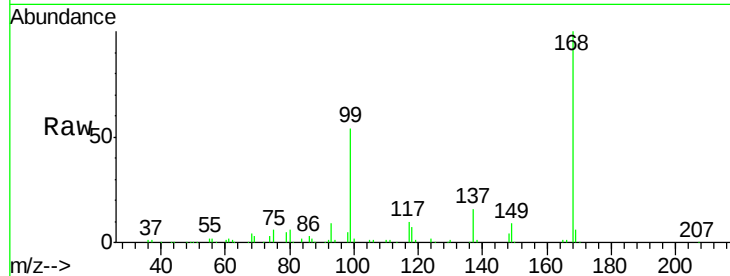
72-11976

Tot Ion:168 Resp: 216771

Ion Ratio Lower Upper

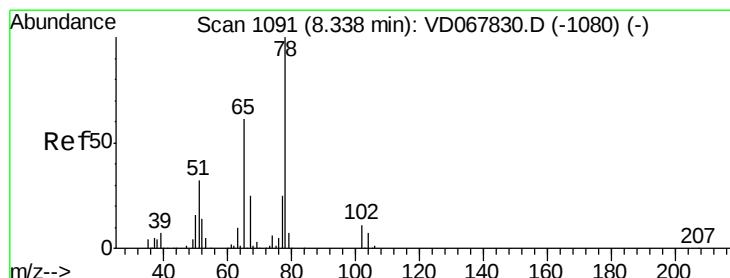
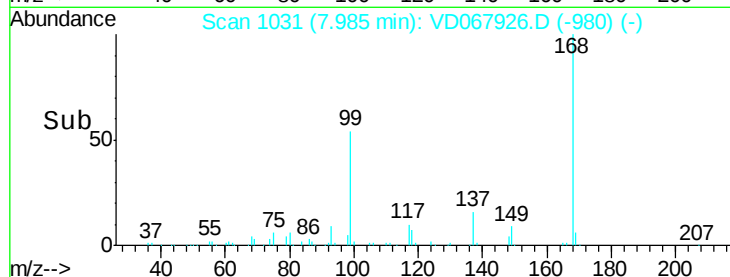
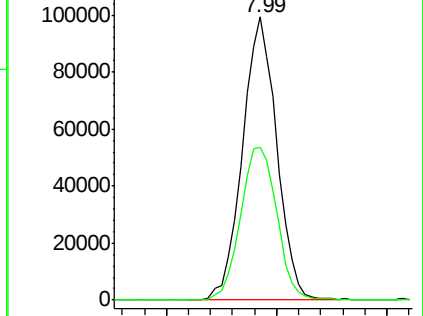
168 100

99 53.8 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: 42.840 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067926.D

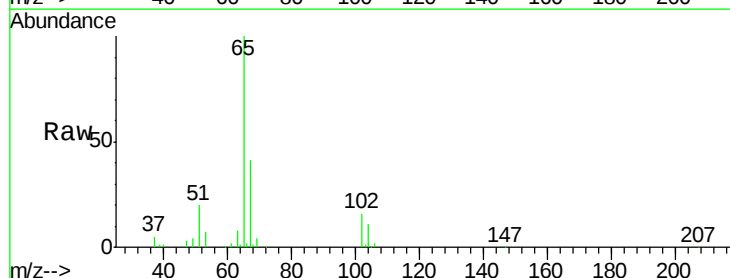
Acq: 09 Dec 2020 14:19

Tgt Ion: 65 Resp: 99693

Ion Ratio Lower Upper

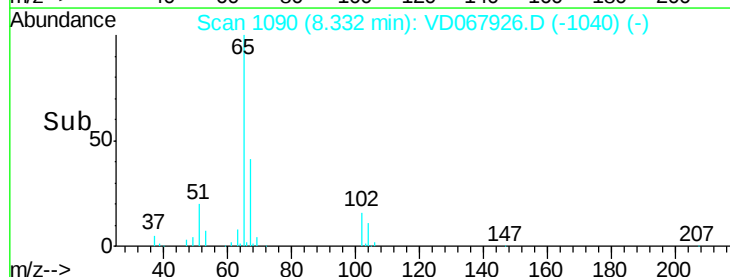
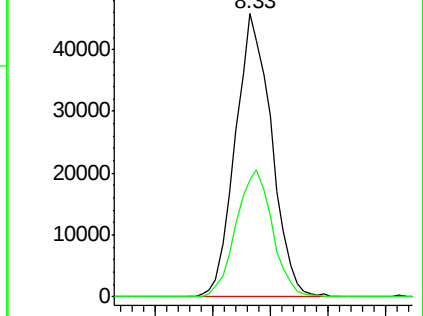
65 100

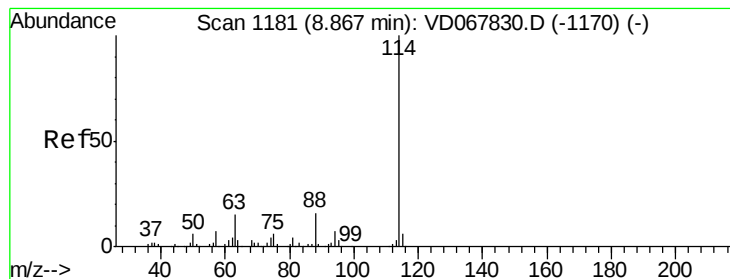
67 45.1 0.0 92.0



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: VD067926.D

Acq: 09 Dec 2020 14:19

Instrument :

MSVOA_D

ClientSampleId :

72-11976

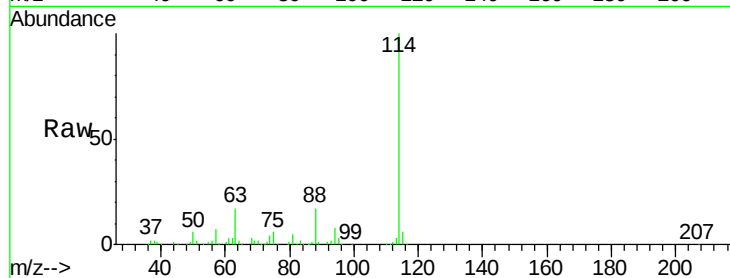
Tot Ion:114 Resp: 302567

Ion Ratio Lower Upper

114 100

63 16.7 0.0 30.8

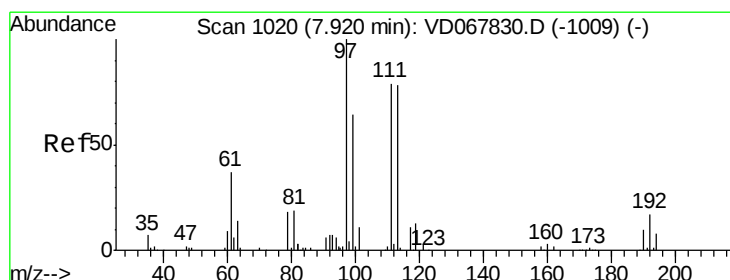
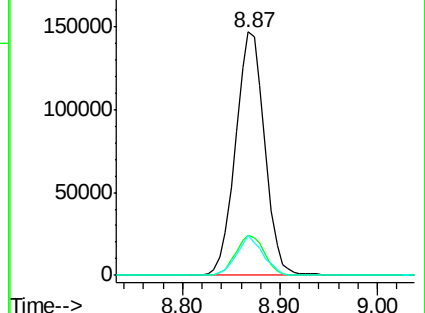
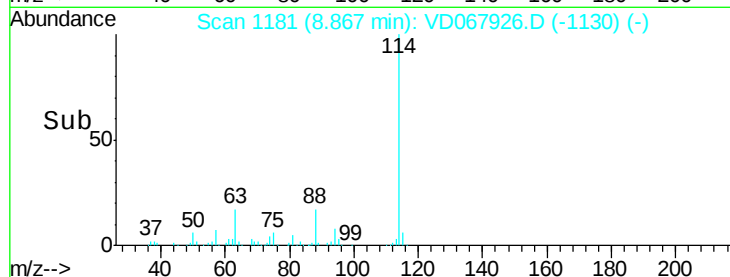
88 16.6 0.0 31.8



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: 44.336 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067926.D

Acq: 09 Dec 2020 14:19

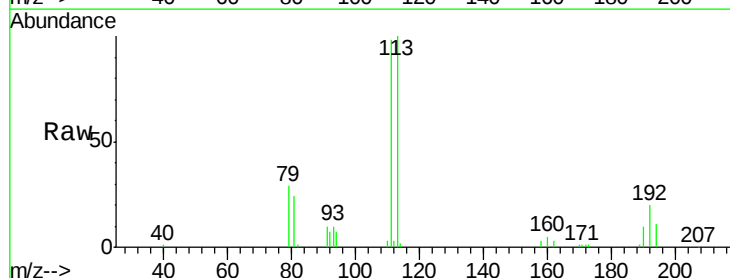
Tgt Ion:113 Resp: 89763

Ion Ratio Lower Upper

113 100

111 99.4 81.2 121.8

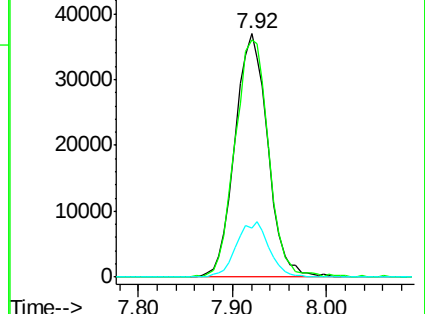
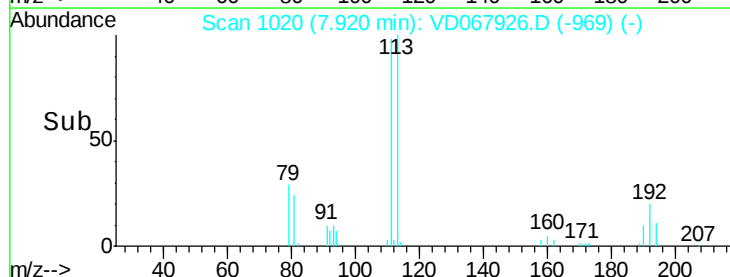
192 22.4 16.8 25.2

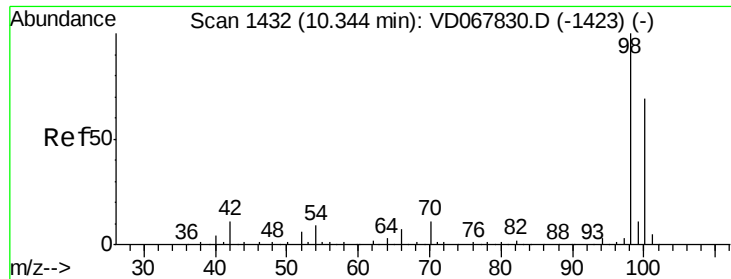


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.113 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067926.D

Acq: 09 Dec 2020 14:19

Instrument :

MSVOA_D

ClientSampleId :

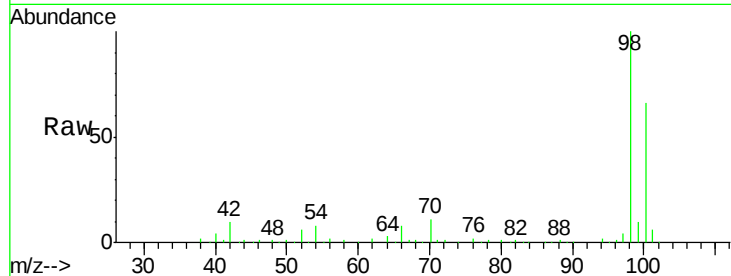
72-11976

Tot Ion: 98 Resp: 343372

Ion Ratio Lower Upper

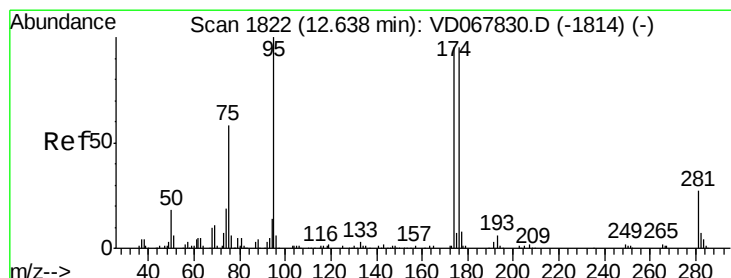
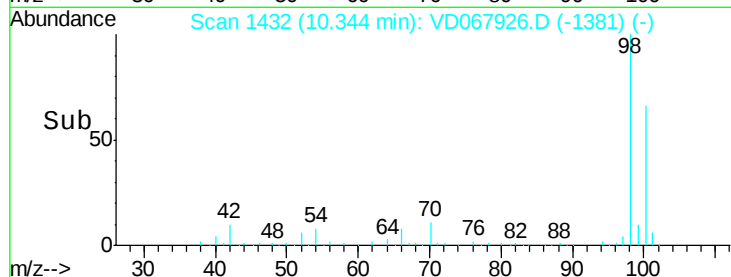
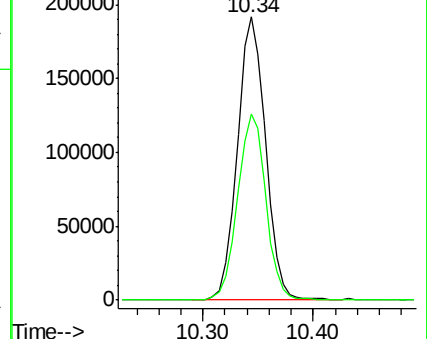
98 100

100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 41.233 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067926.D

Acq: 09 Dec 2020 14:19

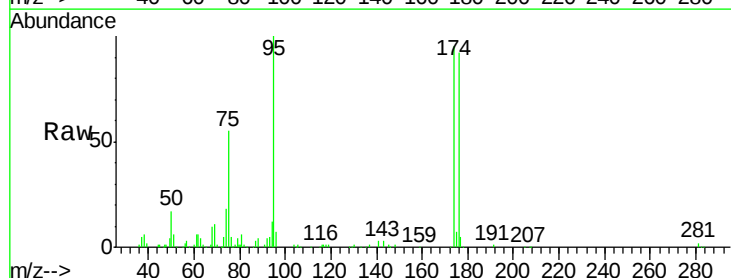
Tgt Ion: 95 Resp: 103896

Ion Ratio Lower Upper

95 100

174 96.2 0.0 186.0

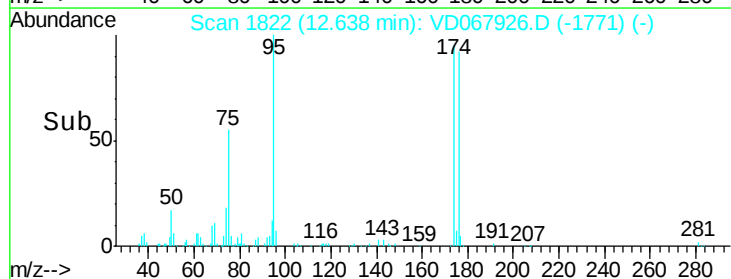
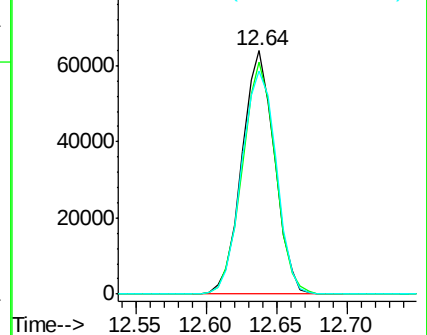
176 97.1 0.0 184.2

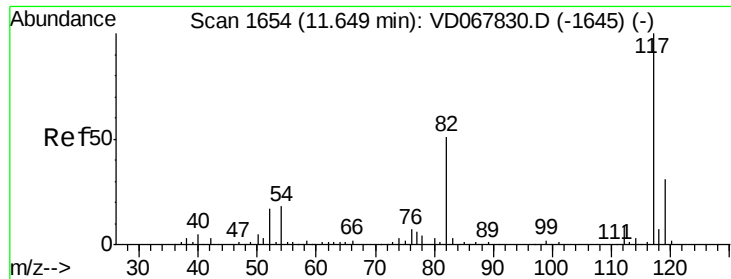


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

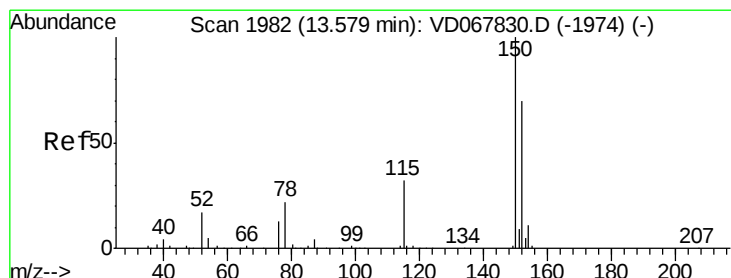
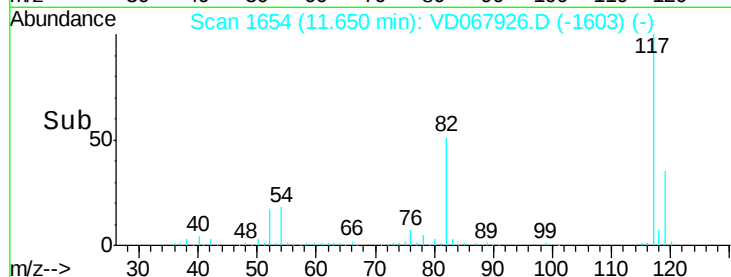
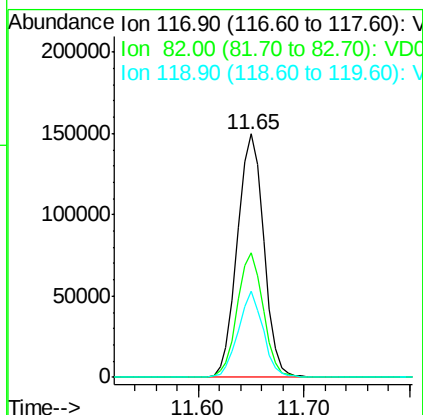
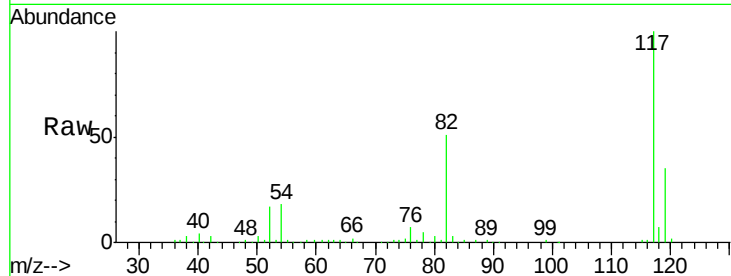




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067926.D
Acq: 09 Dec 2020 14:19

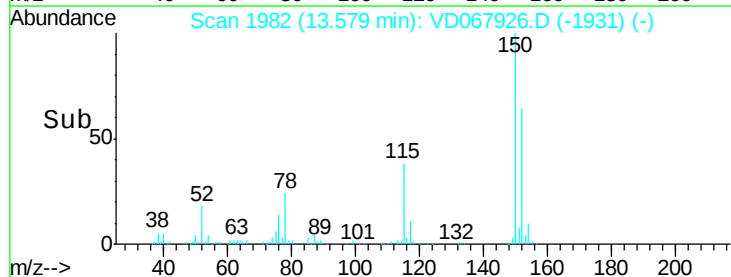
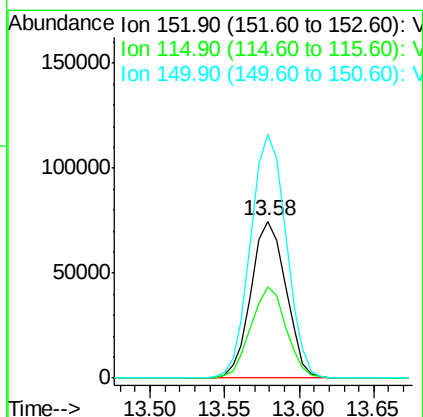
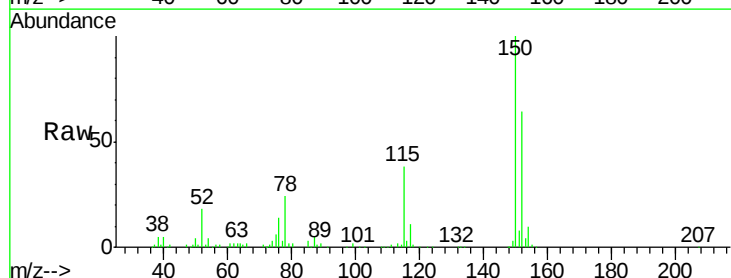
Instrument :
MSVOA_D
ClientSampleId :
72-11976

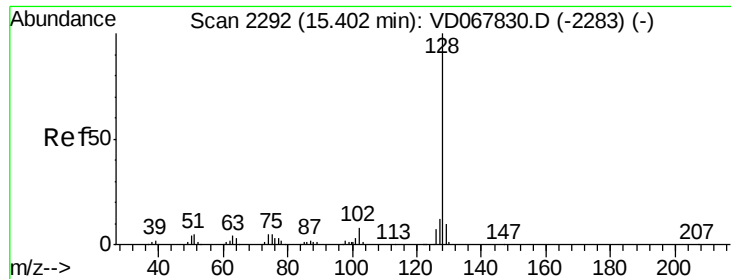
Tot Ion:117 Resp: 259004
Ion Ratio Lower Upper
117 100
82 51.3 40.6 60.8
119 35.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067926.D
Acq: 09 Dec 2020 14:19

Tgt Ion:152 Resp: 120977
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.4
150 159.2 0.0 339.0





#95

Naphthalene

Concen: 1.675 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067926.D

Acq: 09 Dec 2020 14:19

Instrument :

MSVOA_D

ClientSampleId :

72-11976

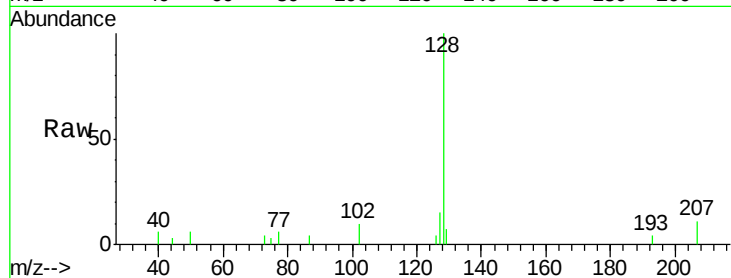
Tot Ion:128 Resp: 6598

Ion Ratio Lower Upper

128 100

127 11.7 10.6 15.8

129 12.5 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

