

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067847.D
 Acq On : 02 Dec 2020 20:30
 Operator : VA/SY
 Sample : L4891-07
 Misc : 7.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B3-112420-10.5-11.5

Quant Time: Dec 03 02:41:02 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

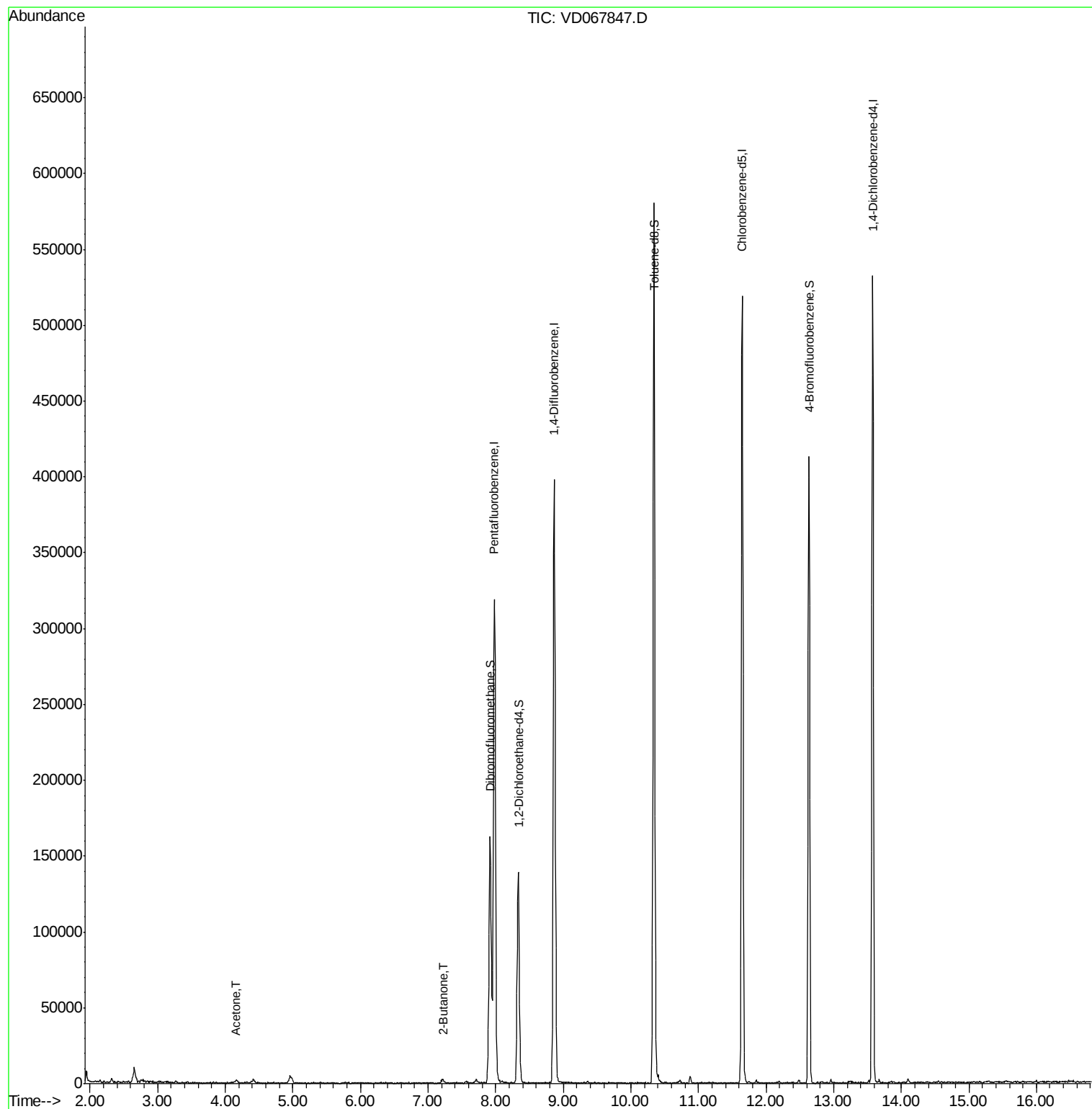
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	244618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	352735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	316966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	127295	48.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.94%		
35) Dibromofluoromethane	7.92	113	108579	46.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.00%		
50) Toluene-d8	10.34	98	400276	47.11	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.22%		
62) 4-Bromofluorobenzene	12.64	95	130142	44.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.60%		
Target Compounds						
16) Acetone	4.17	43	3643	11.226	ug/l #	66
25) 2-Butanone	7.22	43	3037	8.898	ug/l	93

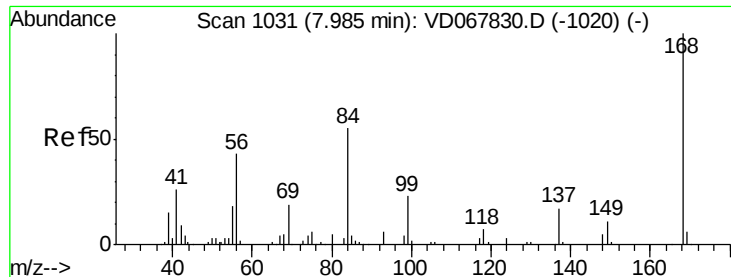
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067847.D

Acq: 02 Dec 2020 20:30

Instrument :

MSVOA_D

ClientSampleId :

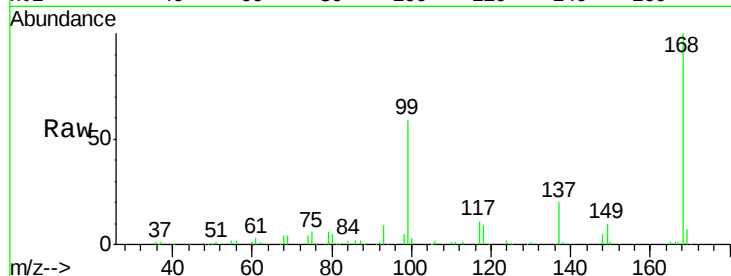
PAV-B3-112420-10.5-11.5

Tot Ion:168 Resp: 244618

Ion Ratio Lower Upper

168 100

99 59.0 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

120000

100000

80000

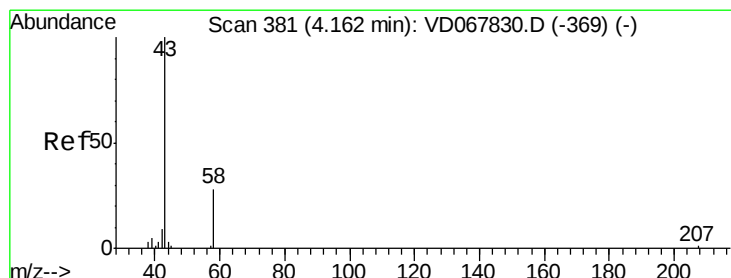
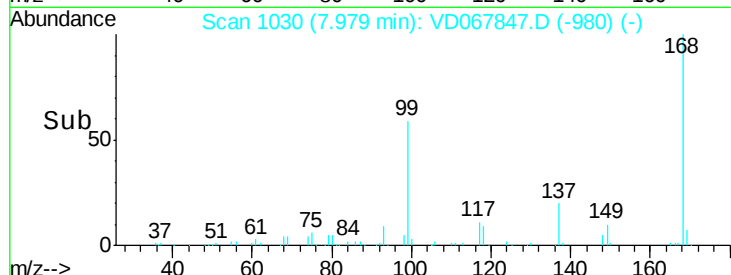
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 11.226 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067847.D

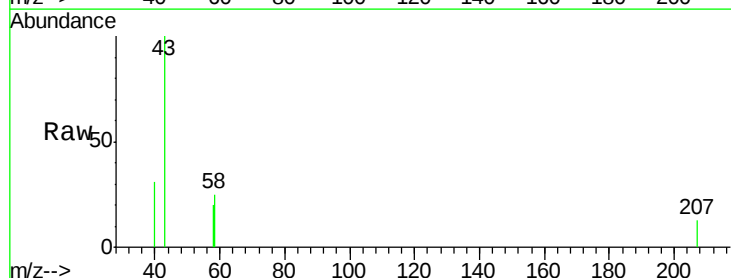
Acq: 02 Dec 2020 20:30

Tgt Ion: 43 Resp: 3643

Ion Ratio Lower Upper

43 100

58 45.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

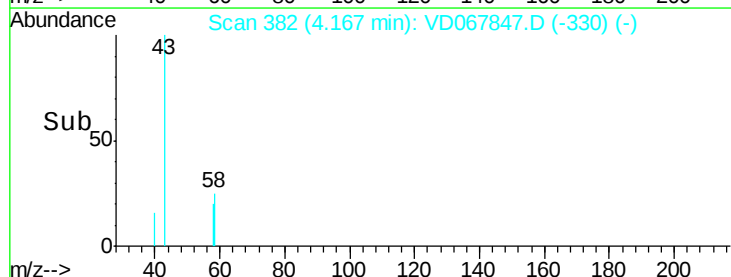
4.17

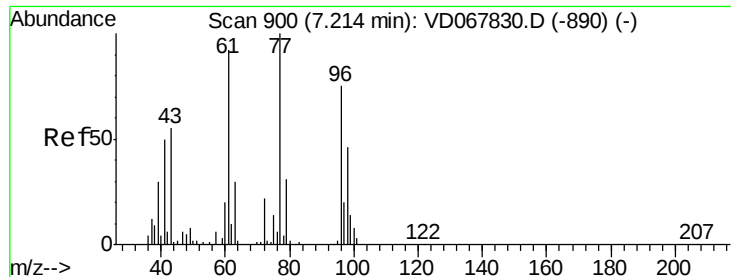
1000

500

0

Time-->

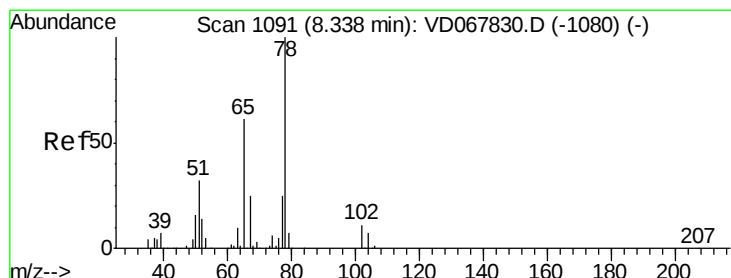
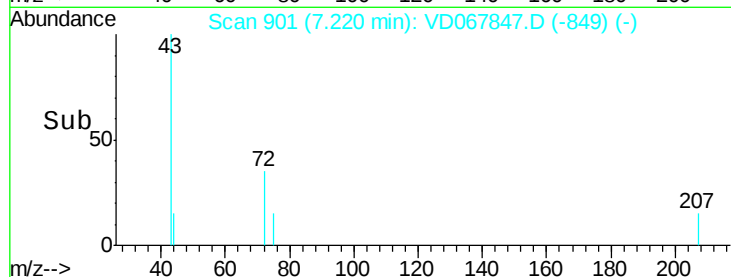
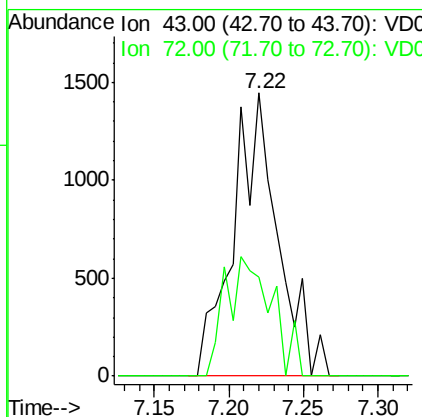
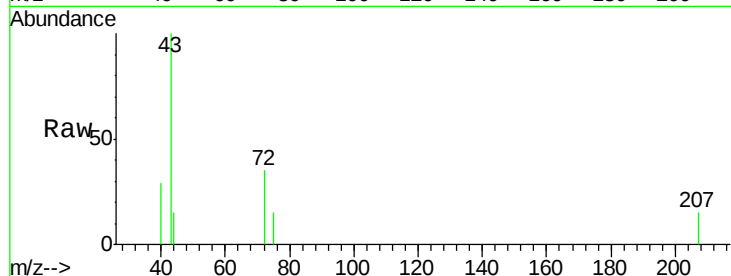




#25
2-Butanone
Concen: 8.898 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067847.D
Acq: 02 Dec 2020 20:30

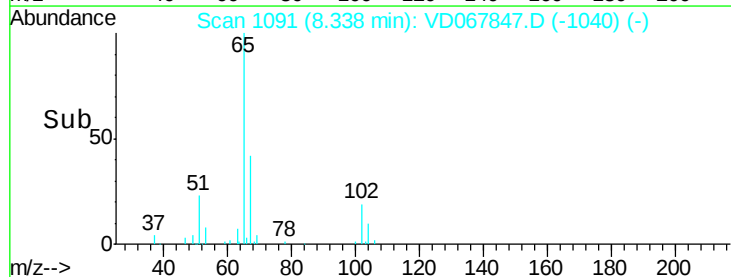
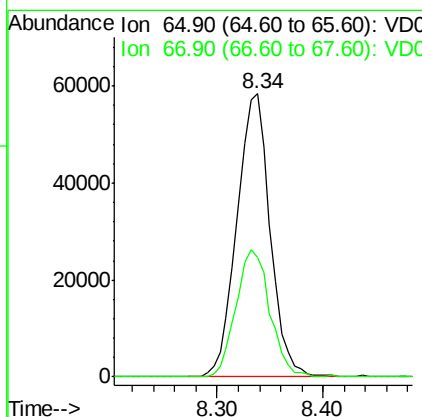
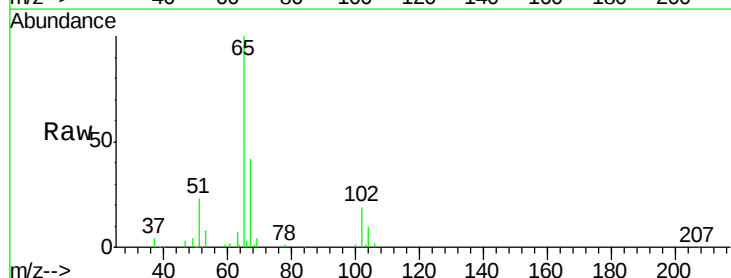
Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-10.5-11.5

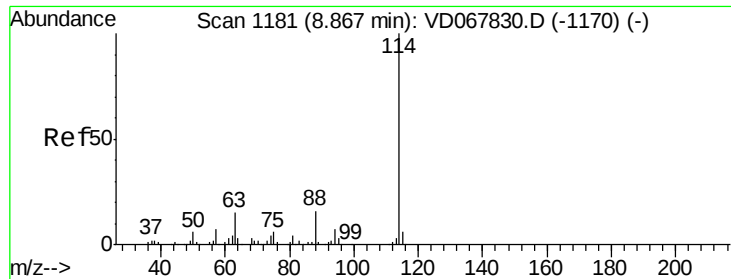
Tot Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
72 34.8 31.3 46.9



#33
1,2-Dichloroethane-d4
Concen: 48.474 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067847.D
Acq: 02 Dec 2020 20:30

Tgt Ion: 65 Resp: 127295
Ion Ratio Lower Upper
65 100
67 46.0 0.0 92.0

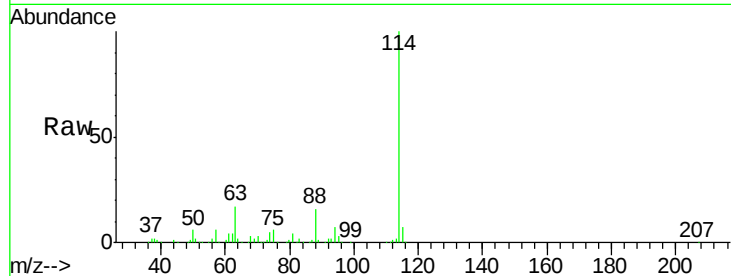




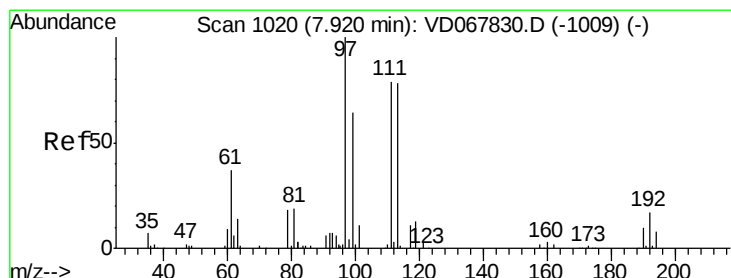
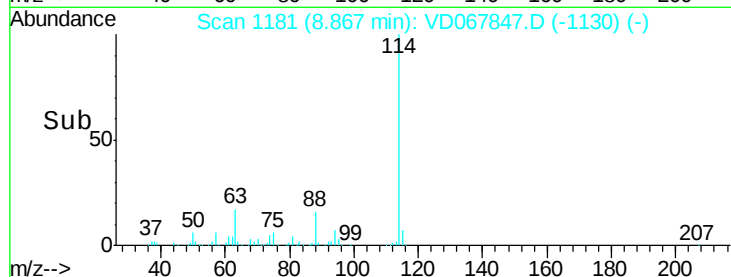
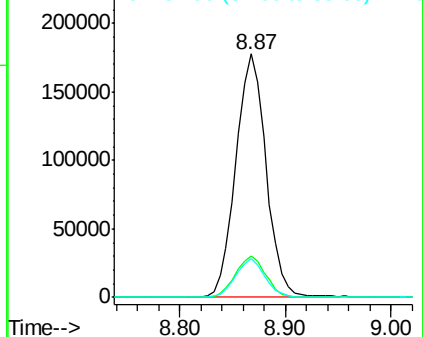
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067847.D
 Acq: 02 Dec 2020 20:30

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B3-112420-10.5-11.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	30.8
88	15.7	0.0	31.8

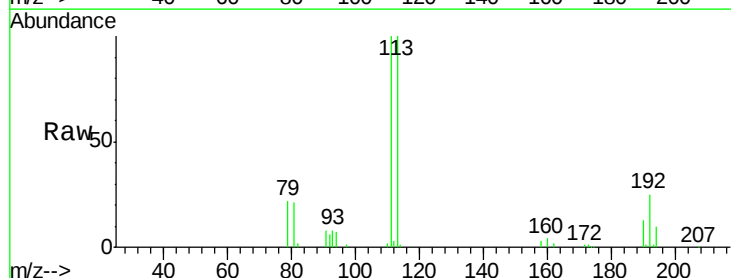


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

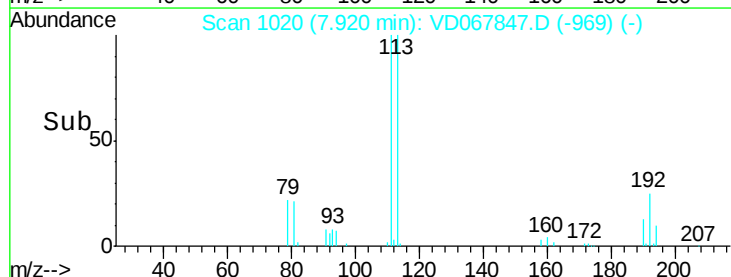
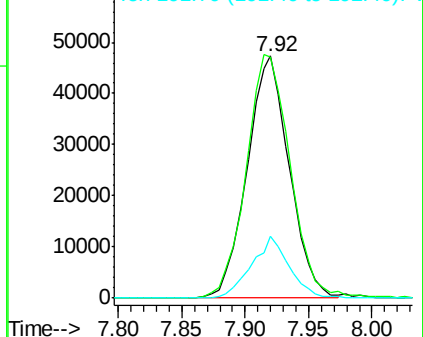


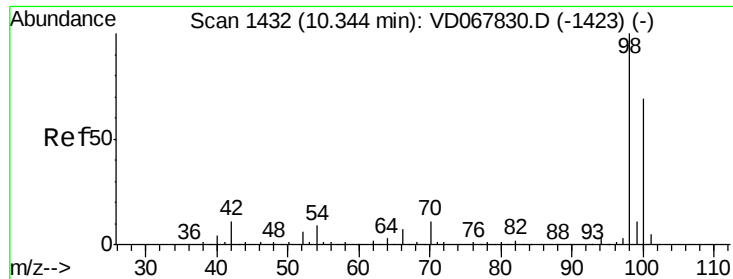
#35
 Dibromofluoromethane
 Concen: 46.002 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067847.D
 Acq: 02 Dec 2020 20:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.0	81.2	121.8
192	22.8	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: 47.110 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067847.D

Acq: 02 Dec 2020 20:30

Instrument :

MSVOA_D

ClientSampleId :

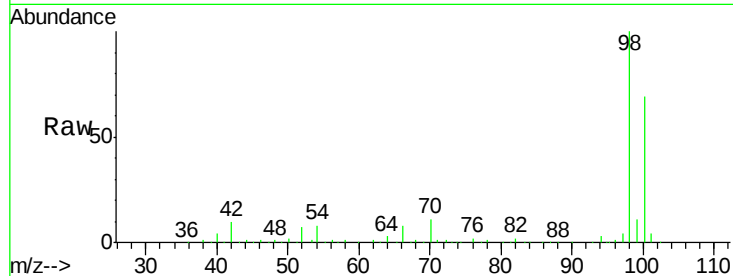
PAV-B3-112420-10.5-11.5

Tot Ion: 98 Resp: 400276

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

10.34

250000

200000

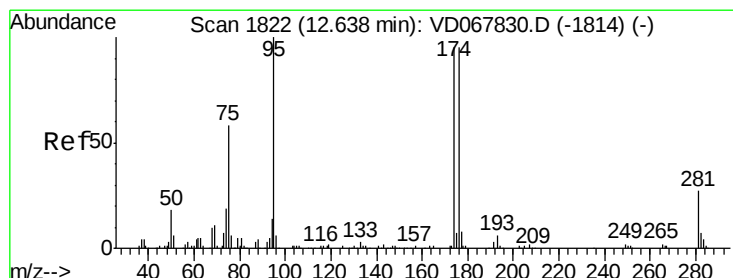
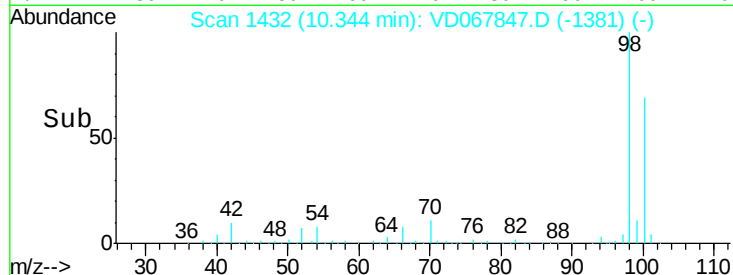
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.303 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067847.D

Acq: 02 Dec 2020 20:30

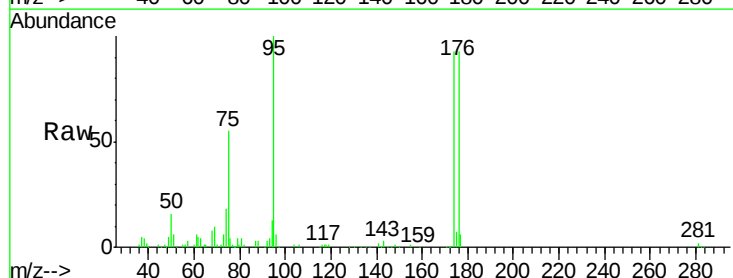
Tgt Ion: 95 Resp: 130142

Ion Ratio Lower Upper

95 100

174 94.7 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

100000

80000

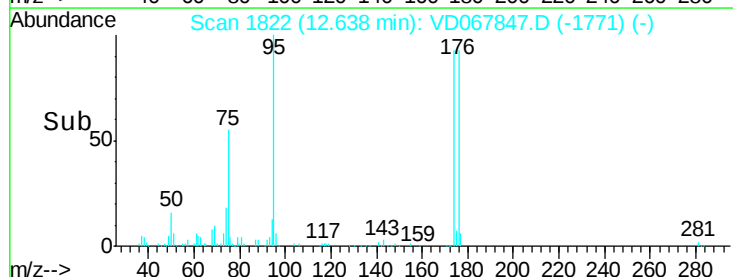
60000

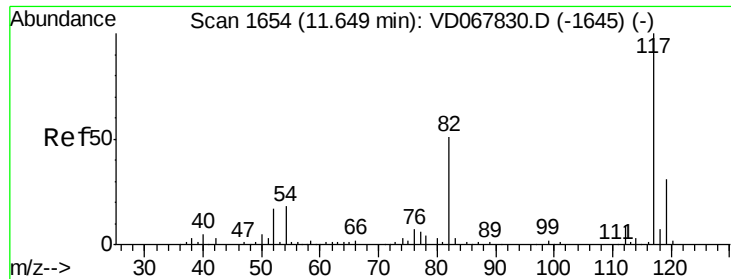
40000

20000

0

Time-->

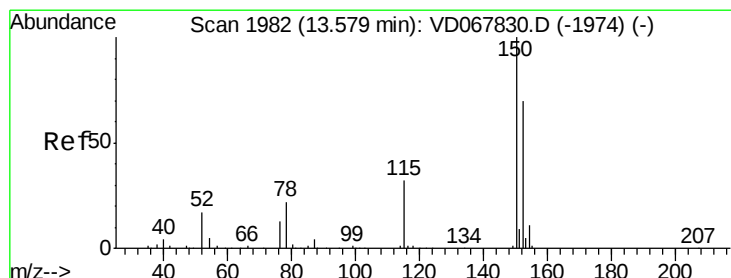
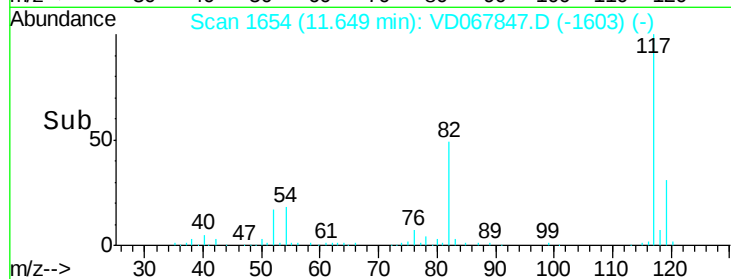
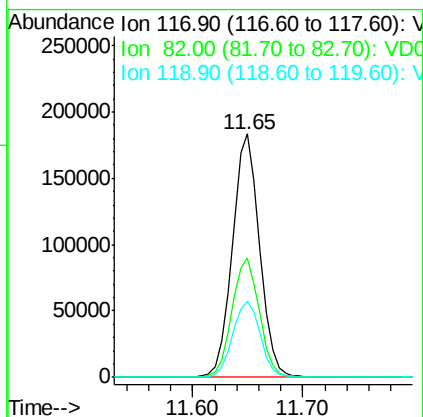
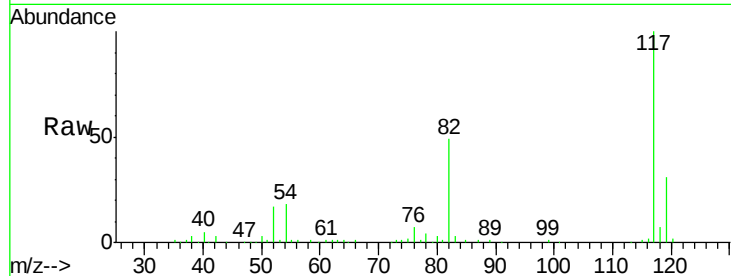




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067847.D
Acq: 02 Dec 2020 20:30

Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-10.5-11.5

Tot Ion:117 Resp: 316966
Ion Ratio Lower Upper
117 100
82 49.3 40.6 60.8
119 31.4 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: VD067847.D
Acq: 02 Dec 2020 20:30

Tgt Ion:152 Resp: 145721
Ion Ratio Lower Upper
152 100
115 58.5 29.1 87.4
150 159.5 0.0 339.0

