

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062840.D
 Acq On : 24 Jun 2019 15:10
 Operator : VA/AP
 Sample : K3499-01
 Misc : 5.58g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(11-12)

Quant Time: Jun 25 05:31:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

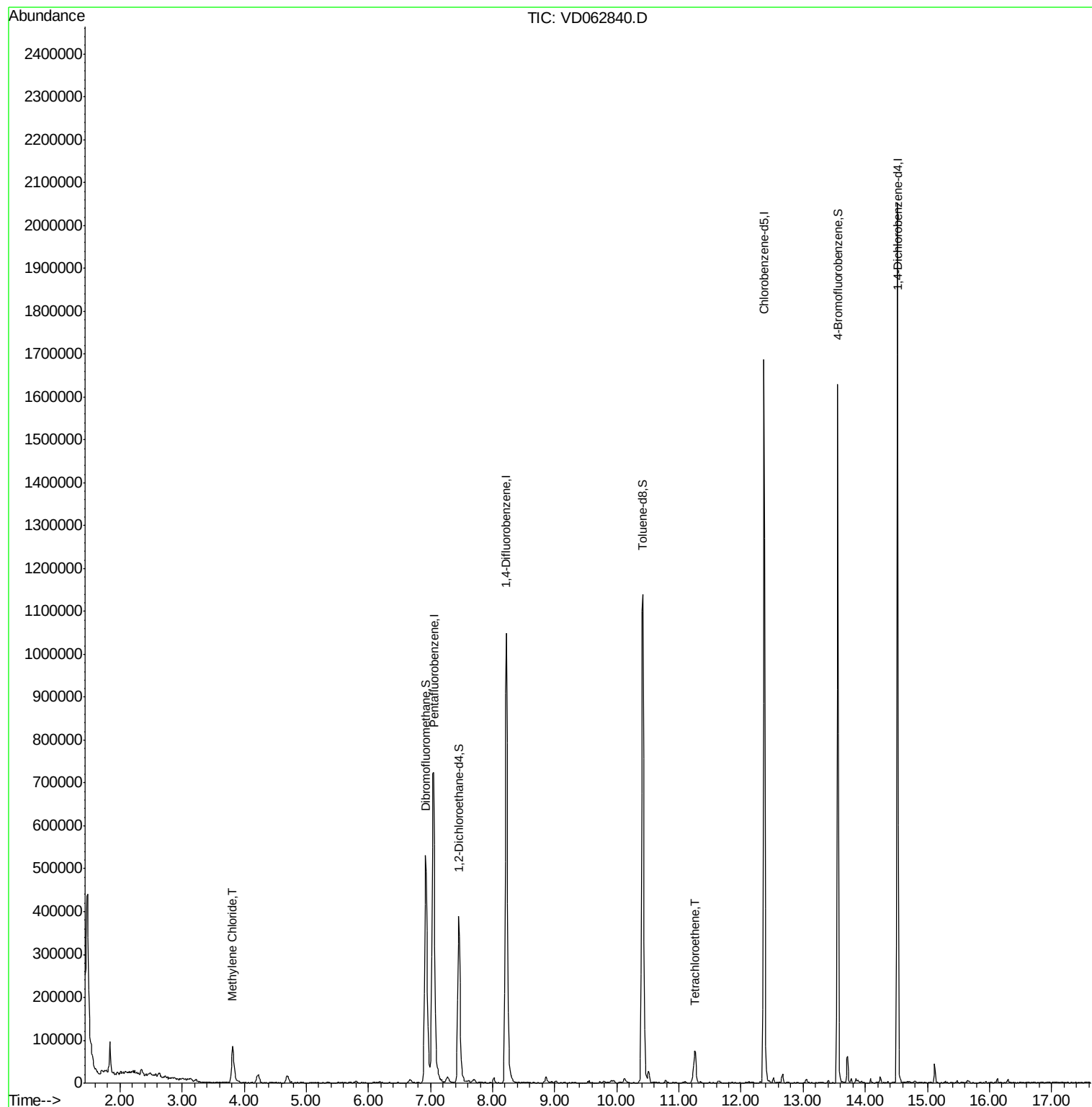
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	734661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1081638	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	889627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	466260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	461200	57.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.50%	
35) Dibromofluoromethane	6.92	113	466446	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
50) Toluene-d8	10.42	98	949532	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	13.56	95	429540	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
Target Compounds						
20) Methylene Chloride	3.81	84	47022	7.721	ug/l	86
64) Tetrachloroethene	11.26	164	17548	2.397	ug/l	89

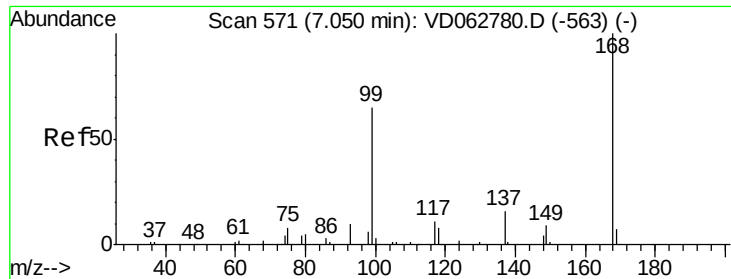
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

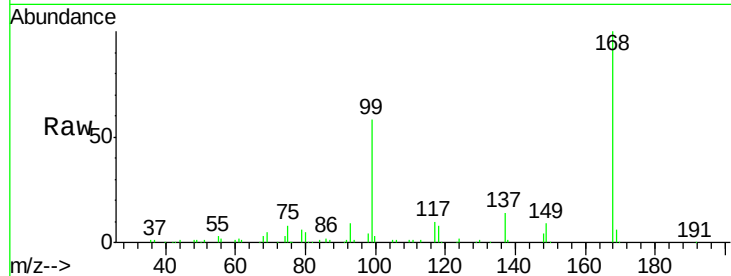
B-1(11-12)

Tot Ion:168 Resp: 734661

Ion Ratio Lower Upper

168 100

99 57.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

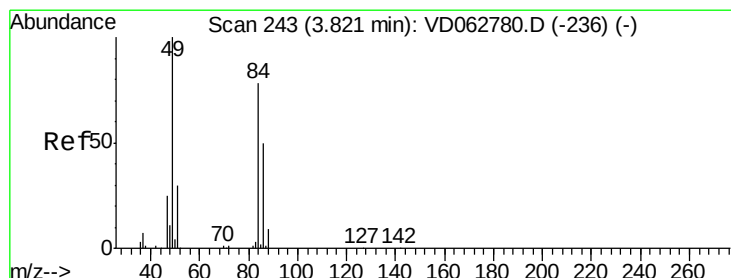
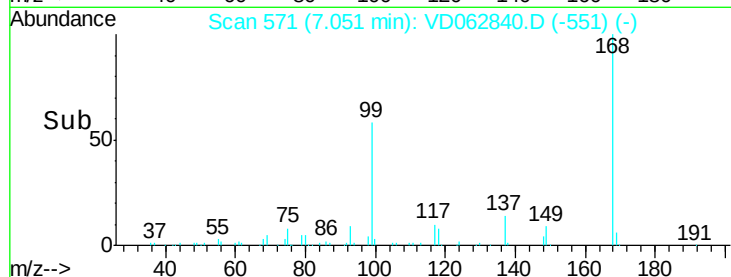
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 7.721 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Tgt Ion: 84 Resp: 47022

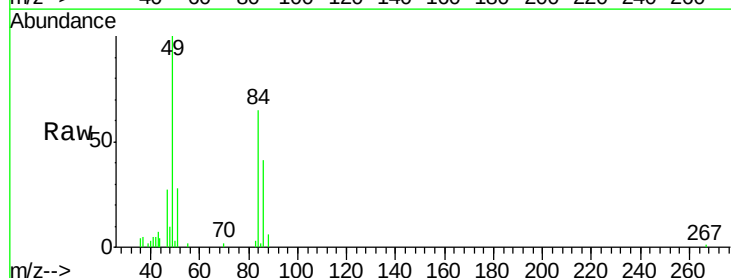
Ion Ratio Lower Upper

84 100

49 152.9 102.9 154.3

51 43.4 31.2 46.8

86 61.9 51.4 77.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

40000

30000

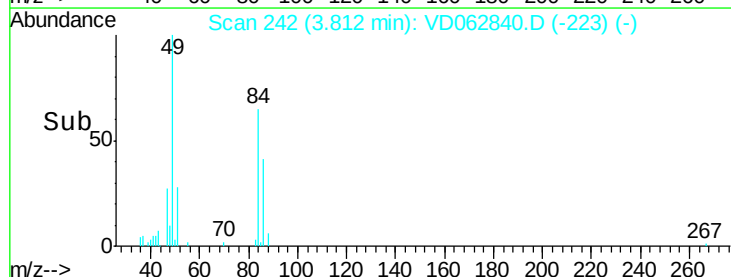
20000

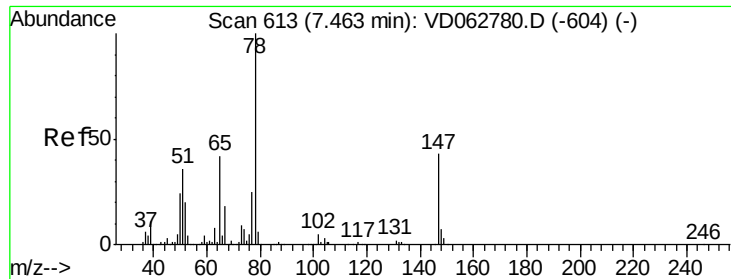
10000

0

Time-->

3.70 3.80 3.90





#33

1,2-Dichloroethane-d4

Concen: 57.754 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

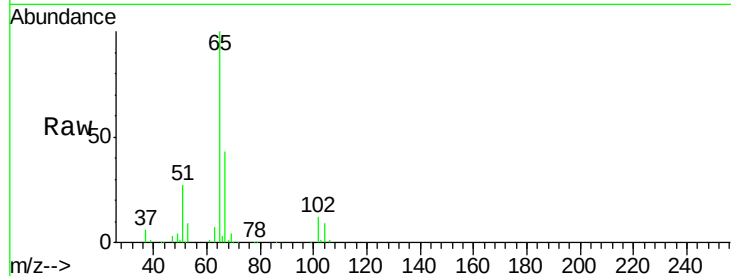
B-1(11-12)

Tot Ion: 65 Resp: 461200

Ion Ratio Lower Upper

65 100

67 42.8 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

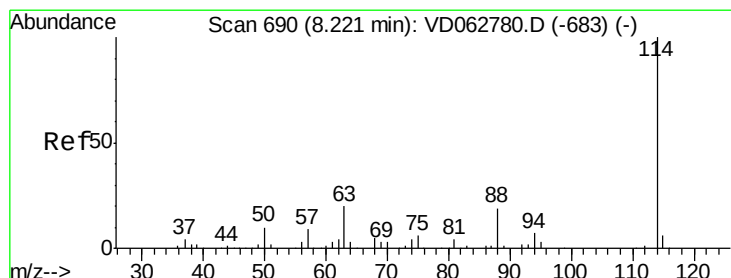
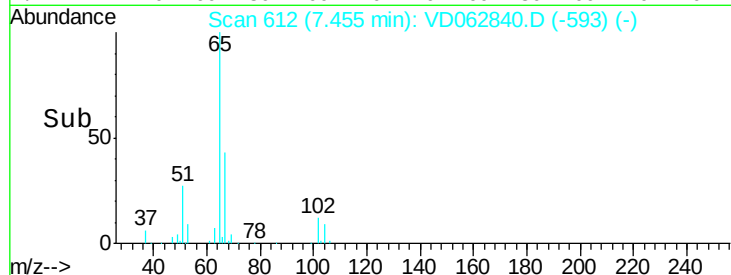
100000

50000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

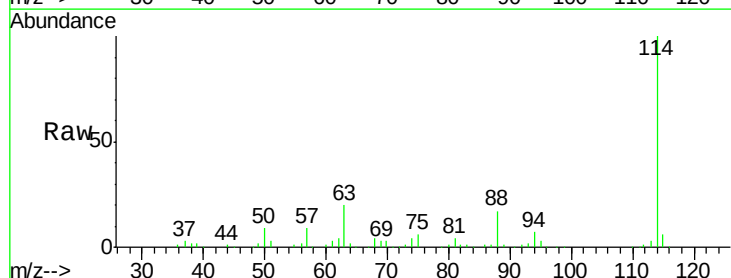
Tgt Ion: 114 Resp: 1081638

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 17.3 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

600000

500000

400000

300000

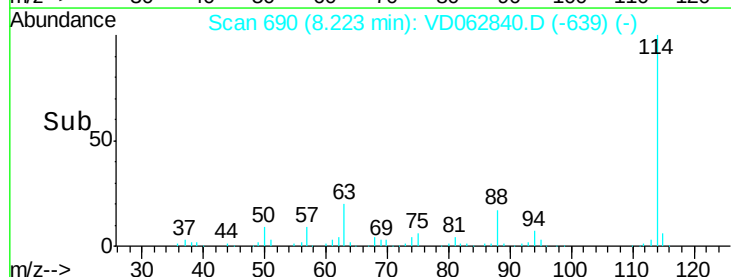
200000

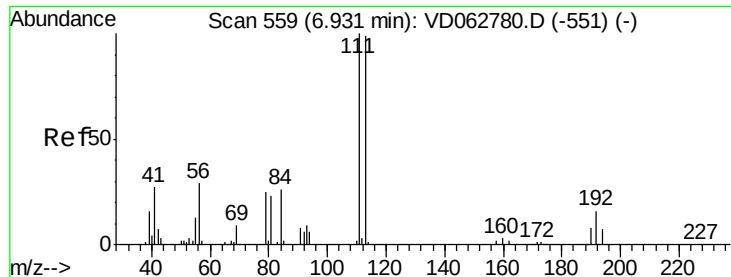
100000

0

Time-->

8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 51.144 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

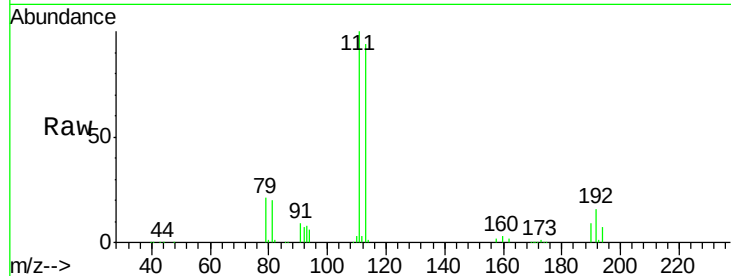
Tot Ion:113 Resp: 466446

Ion Ratio Lower Upper

113 100

111 106.3 81.2 121.8

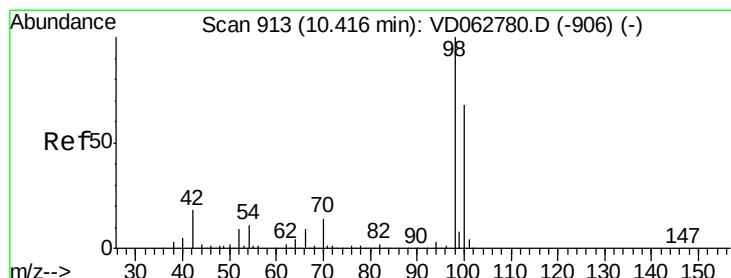
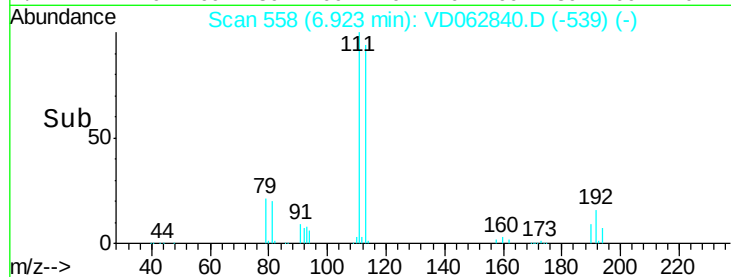
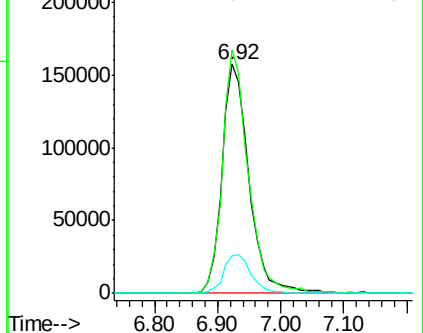
192 16.6 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: 47.835 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062840.D

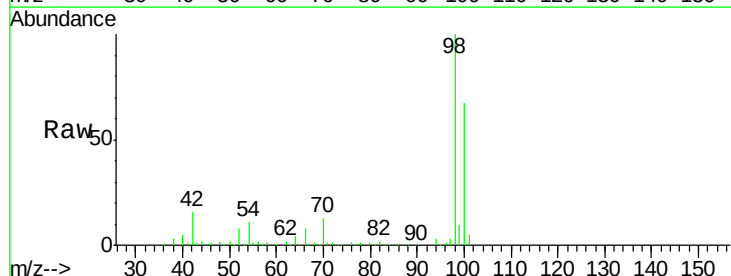
Acq: 24 Jun 2019 15:10

Tgt Ion: 98 Resp: 949532

Ion Ratio Lower Upper

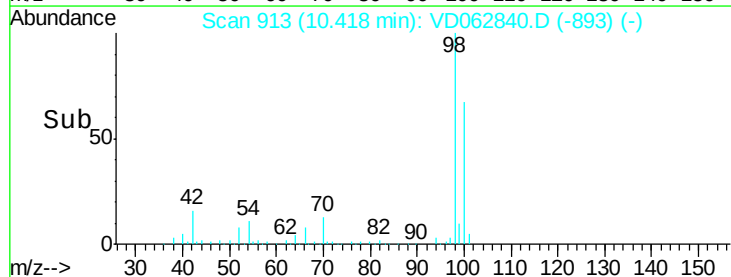
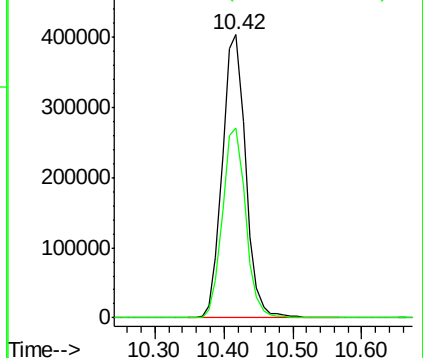
98 100

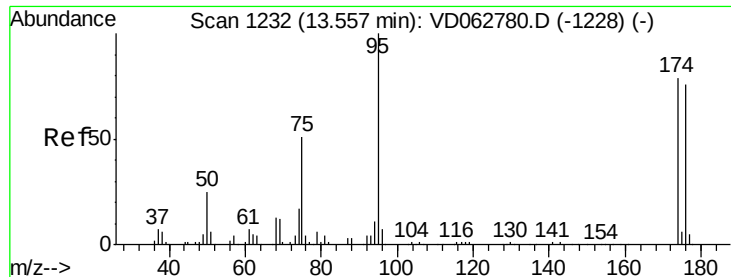
100 67.1 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

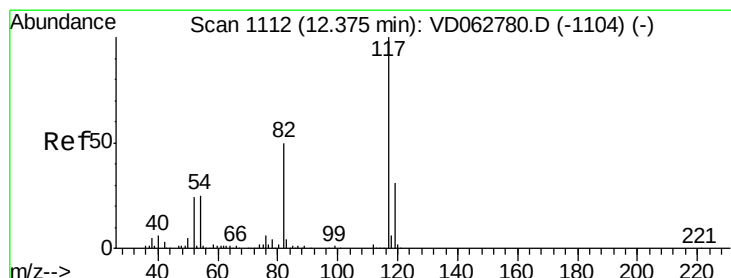
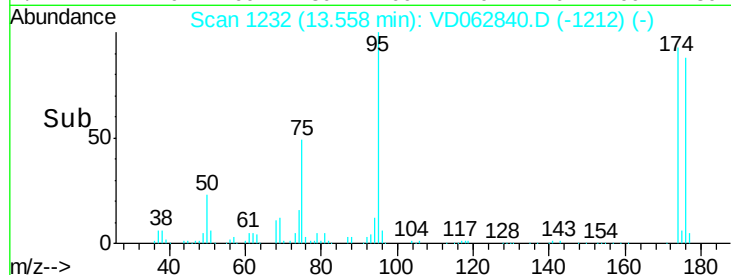
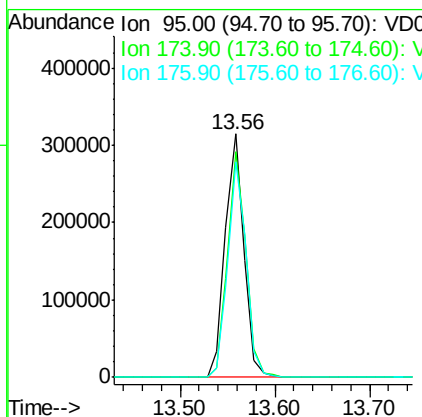
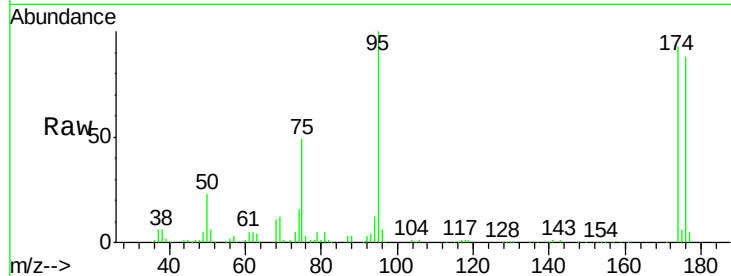




#62
4-Bromofluorobenzene
Concen: 47.589 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062840.D
Acq: 24 Jun 2019 15:10

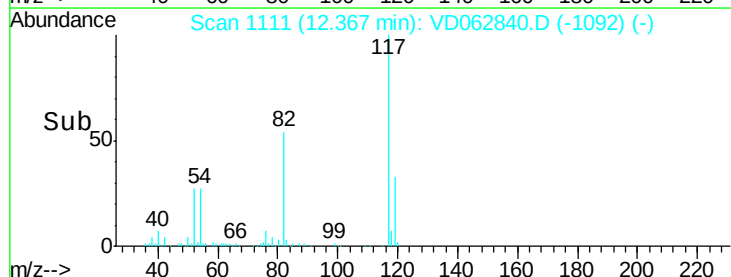
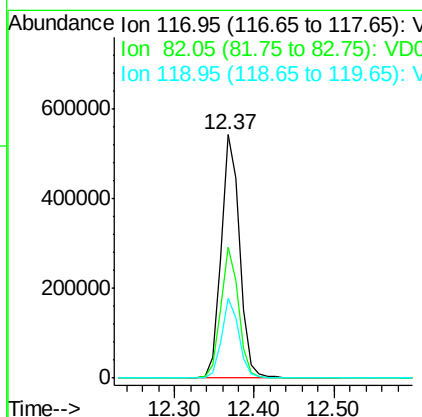
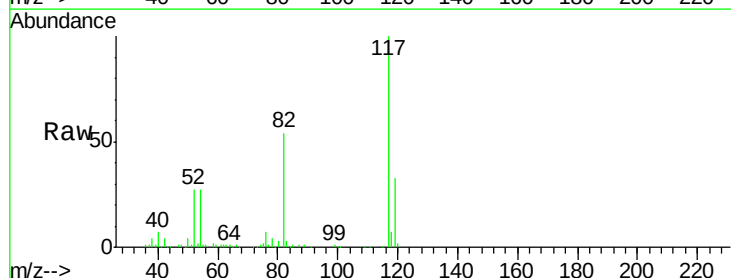
Instrument :
MSVOA_D
ClientSampleId :
B-1(11-12)

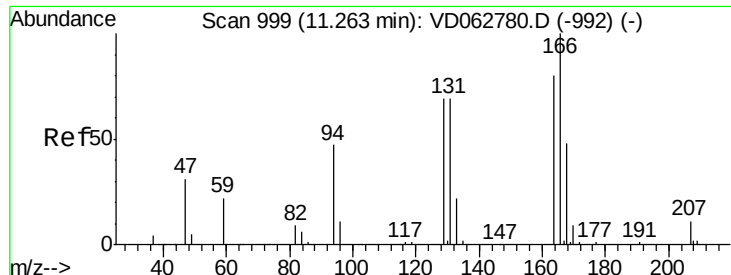
Tot Ion	95	Resp	429540
Ion Ratio	Lower	Upper	
95	100		
174	92.9	0.0	158.0
176	88.4	0.0	151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062840.D
Acq: 24 Jun 2019 15:10

Tgt Ion	117	Resp	889627
Ion Ratio	Lower	Upper	
117	100		
82	54.0	40.4	60.6
119	32.8	25.2	37.8





#64

Tetrachloroethene

Concen: 2.397 ug/l

RT: 11.26 min Scan# 999

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

B-1(11-12)

Tot Ion:164 Resp: 17548

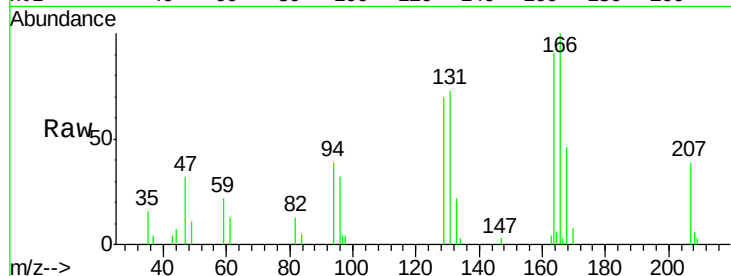
Ion Ratio Lower Upper

164 100

166 109.5 100.6 150.8

129 76.3 69.4 104.0

131 80.0 69.3 103.9

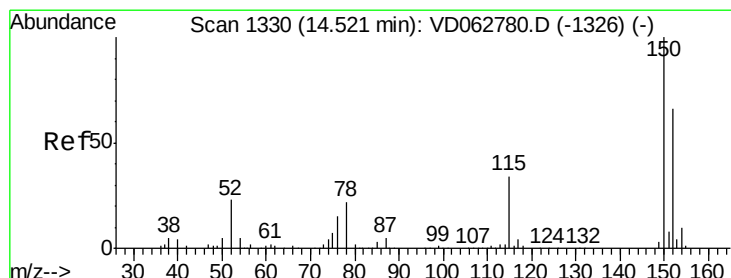
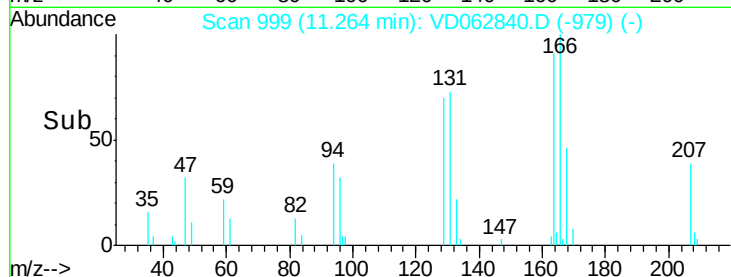
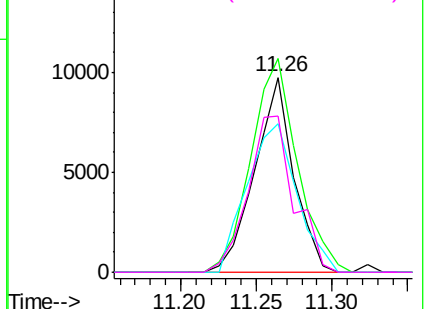


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062840.D

Acq: 24 Jun 2019 15:10

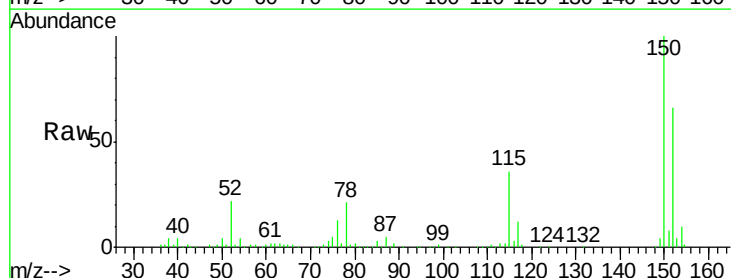
Tgt Ion:152 Resp: 466260

Ion Ratio Lower Upper

152 100

115 54.3 29.2 87.6

150 150.5 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

