

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061634.D
 Acq On : 5 Apr 2019 21:21
 Operator : VA/AP
 Sample : K2240-04
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-(0-2)

Quant Time: Apr 06 01:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

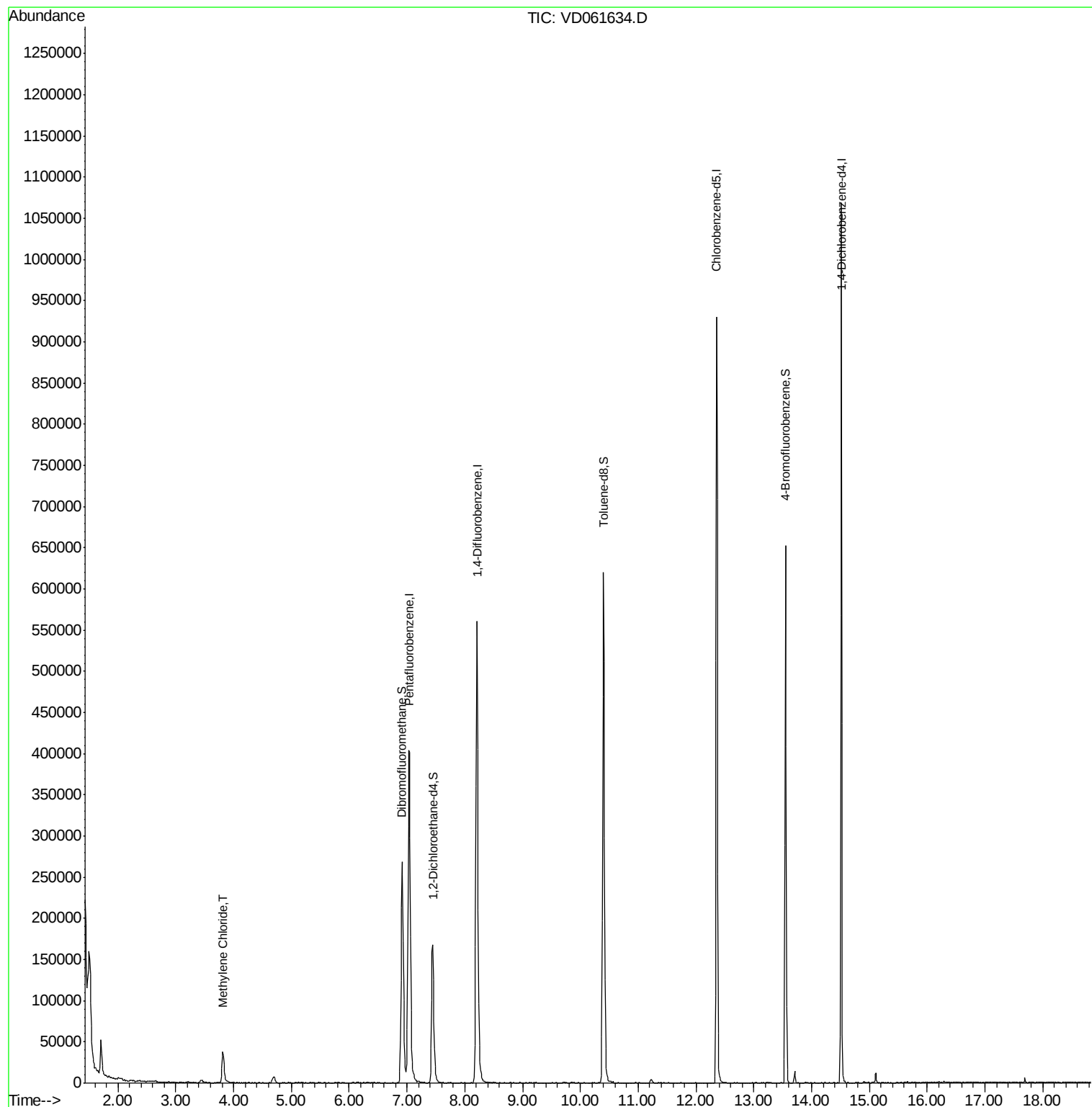
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	439171	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	727926	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	581947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	236292	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	169294	45.13	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.26%	
35) Dibromofluoromethane	6.91	113	265081	47.65	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.30%	
50) Toluene-d8	10.40	98	542327	40.65	ug/l	0.01
Spiked Amount 50.000			Recovery	=	81.30%	
62) 4-Bromofluorobenzene	13.55	95	199964	39.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.16%	
Target Compounds						
20) Methylene Chloride	3.81	84	30095	3.796	ug/l	Qvalue 94

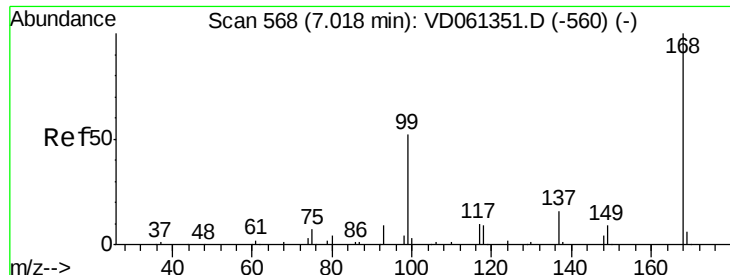
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

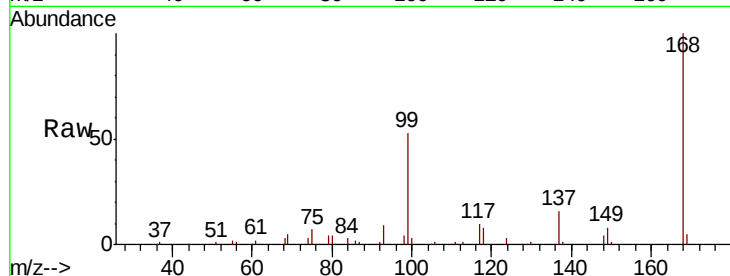
SB-02-(0-2)

Tot Ion:168 Resp: 439171

Ion Ratio Lower Upper

168 100

99 53.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

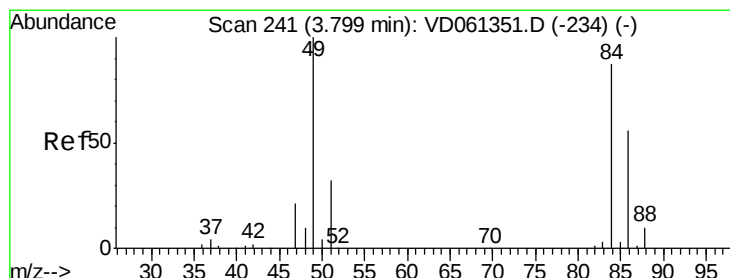
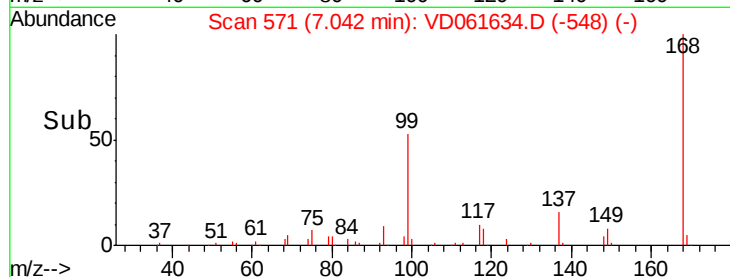
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 3.796 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Tgt Ion: 84 Resp: 30095

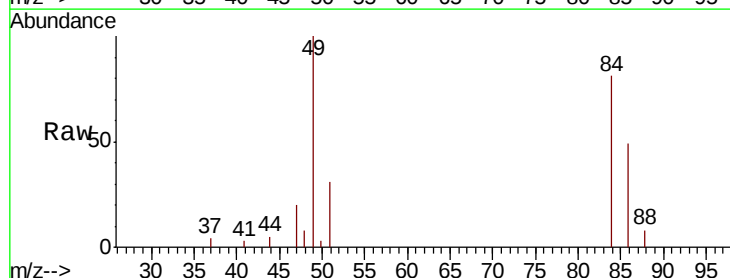
Ion Ratio Lower Upper

84 100

49 123.9 91.8 137.8

51 38.9 29.8 44.8

86 61.2 51.8 77.6



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

15000

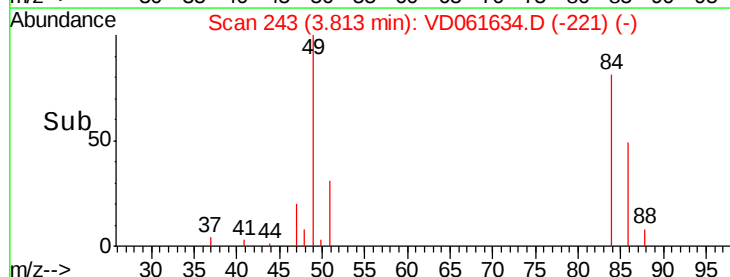
10000

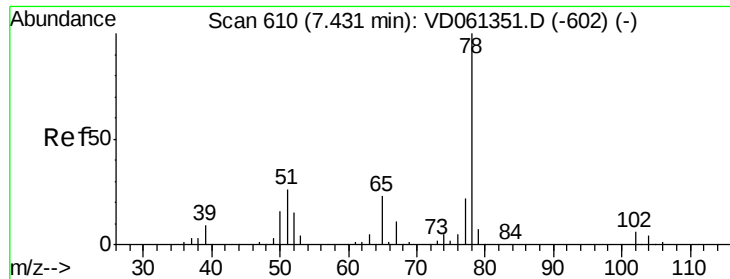
5000

0

Time-->

3.70 3.80 3.90 4.00





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

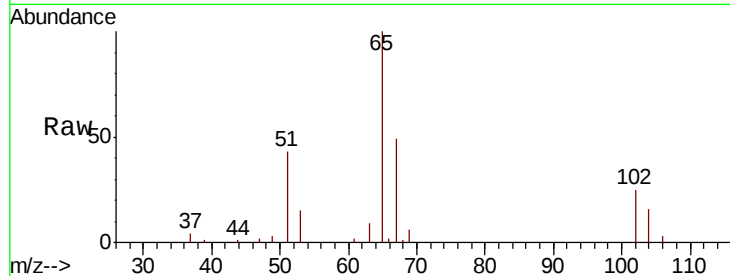
SB-02-(0-2)

Tot Ion: 65 Resp: 169294

Ion Ratio Lower Upper

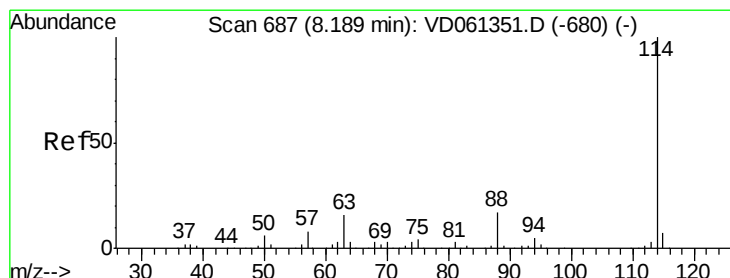
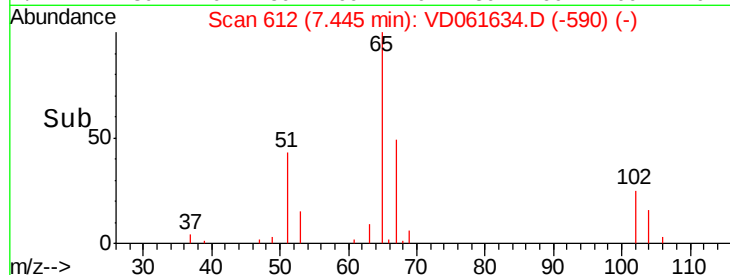
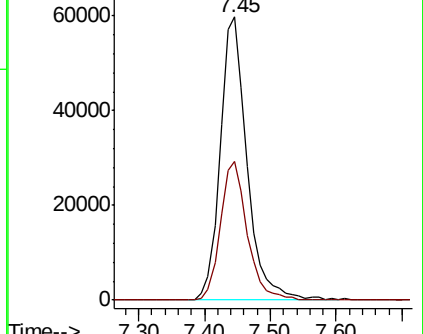
65 100

67 48.9 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

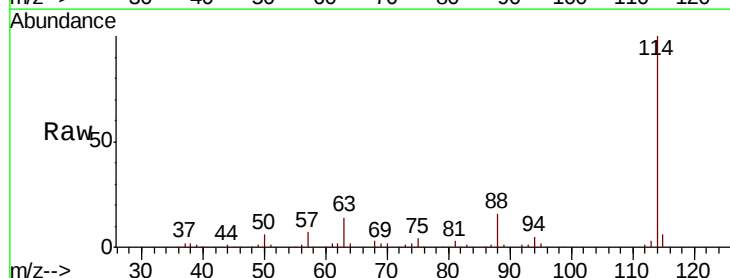
Tgt Ion: 114 Resp: 727926

Ion Ratio Lower Upper

114 100

63 13.9 0.0 31.6

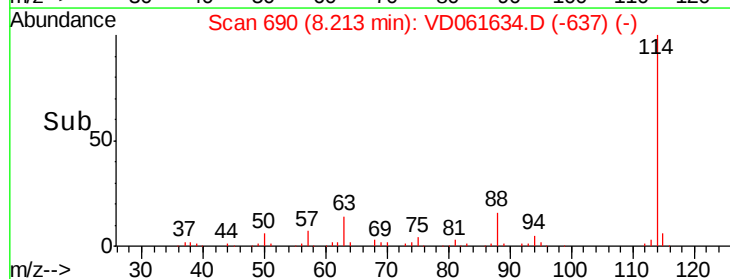
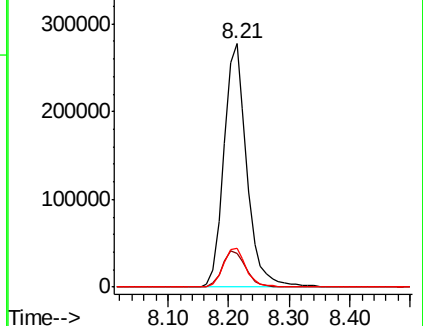
88 16.1 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

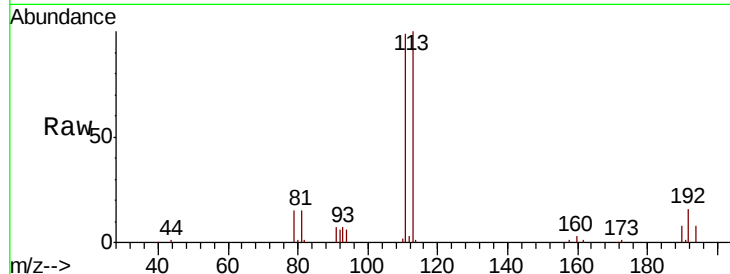




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Instrument :
MSVOA_D
ClientSampleId :
SB-02-(0-2)

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.6	81.0	121.6
192	16.1	14.4	21.6

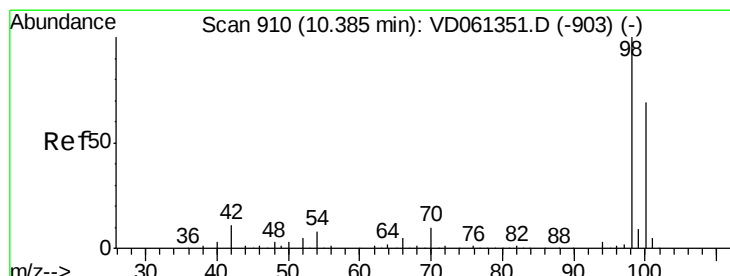
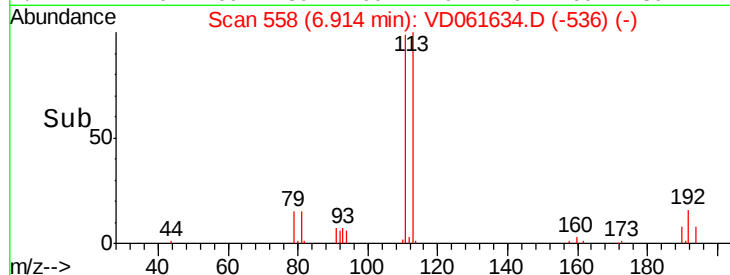
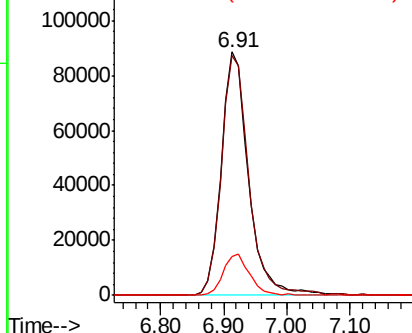


Abundance

Ion 112.90 (112.60 to 113.60): V

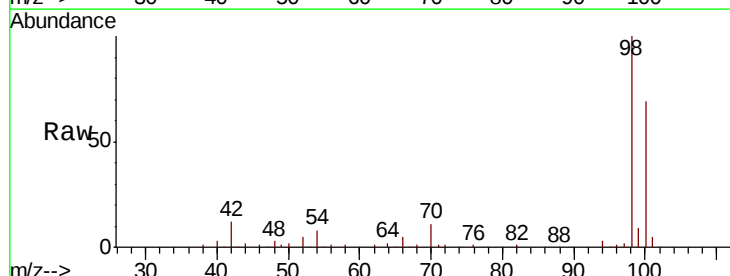
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

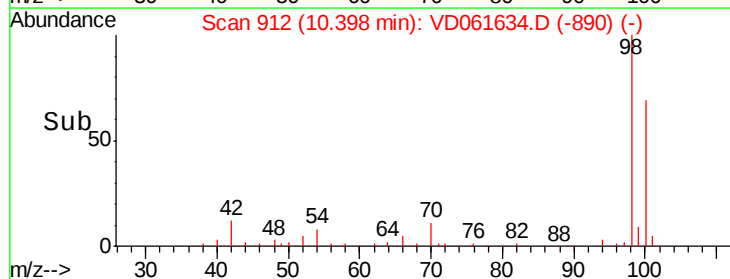
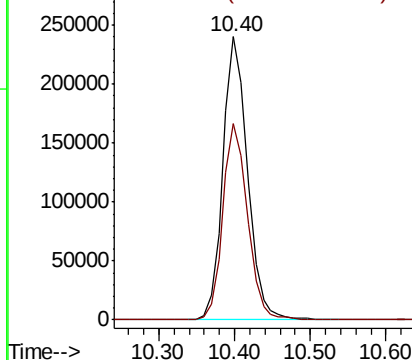
Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	56.2	84.2

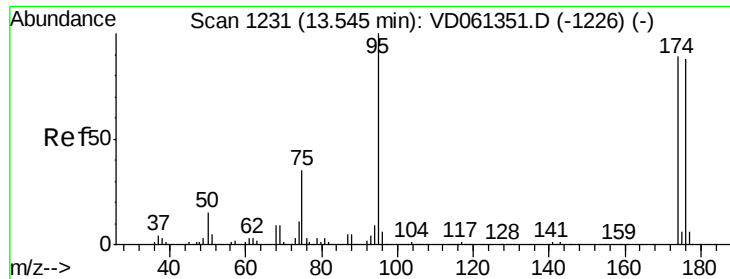


Abundance

Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

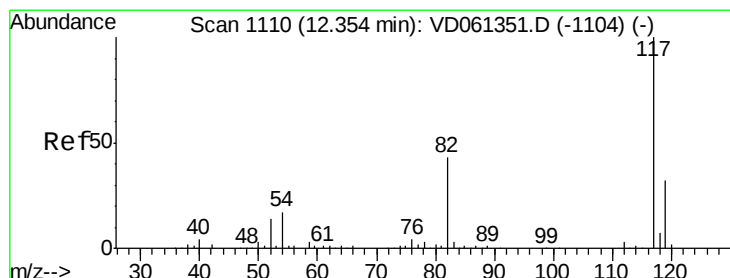
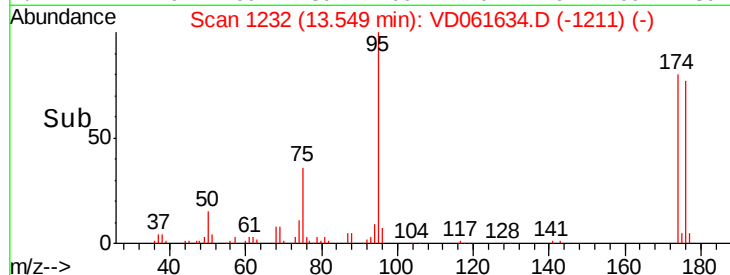
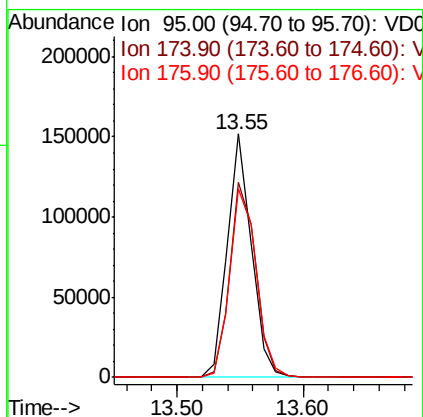
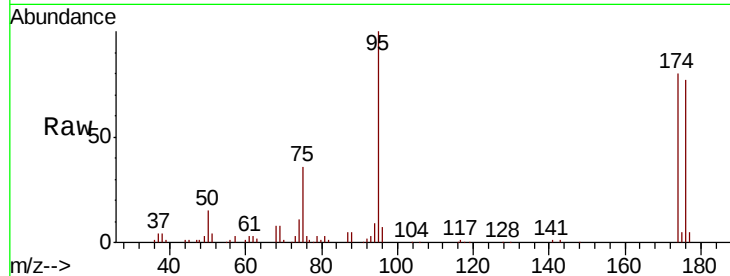




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

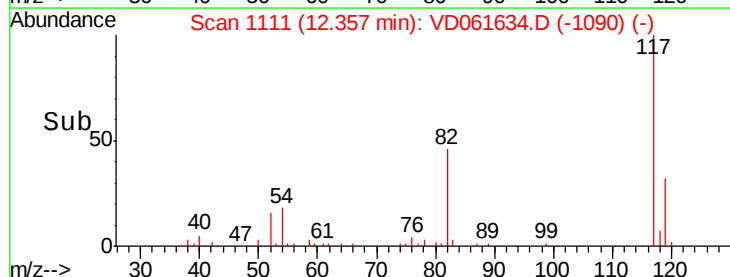
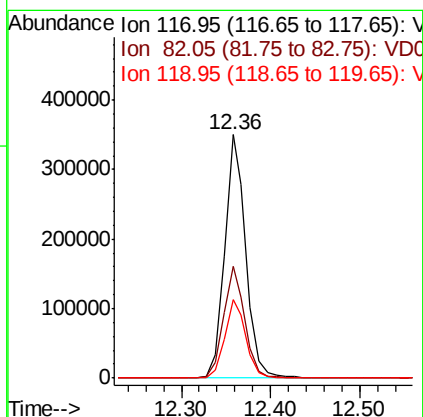
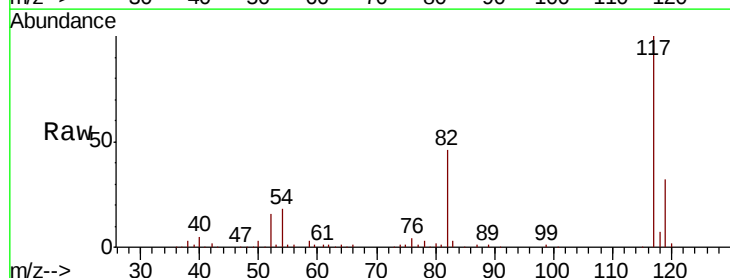
Instrument :
MSVOA_D
ClientSampleId :
SB-02-(0-2)

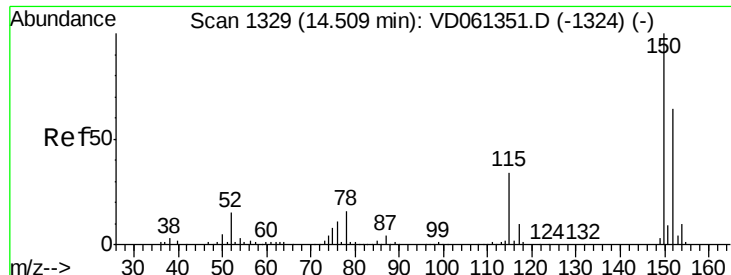
Tot Ion: 95 Resp: 199964
Ion Ratio Lower Upper
95 100
174 79.9 0.0 178.0
176 77.5 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061634.D
Acq: 5 Apr 2019 21:21

Tgt Ion: 117 Resp: 581947
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061634.D

Acq: 5 Apr 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

SB-02-(0-2)

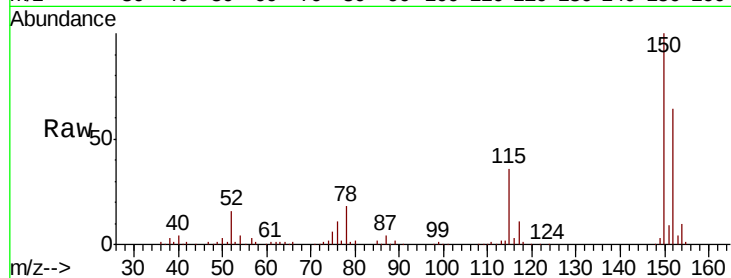
Tot Ion:152 Resp: 236292

Ion Ratio Lower Upper

152 100

115 55.8 26.9 80.6

150 155.8 0.0 318.0



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

