

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031519\
 Data File : VD061089.D
 Acq On : 15 Mar 2019 16:15
 Operator : VA/AP
 Sample : K1901-07RE
 Misc : 3.55g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6(0.5-1.5)RE

Quant Time: Mar 16 06:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

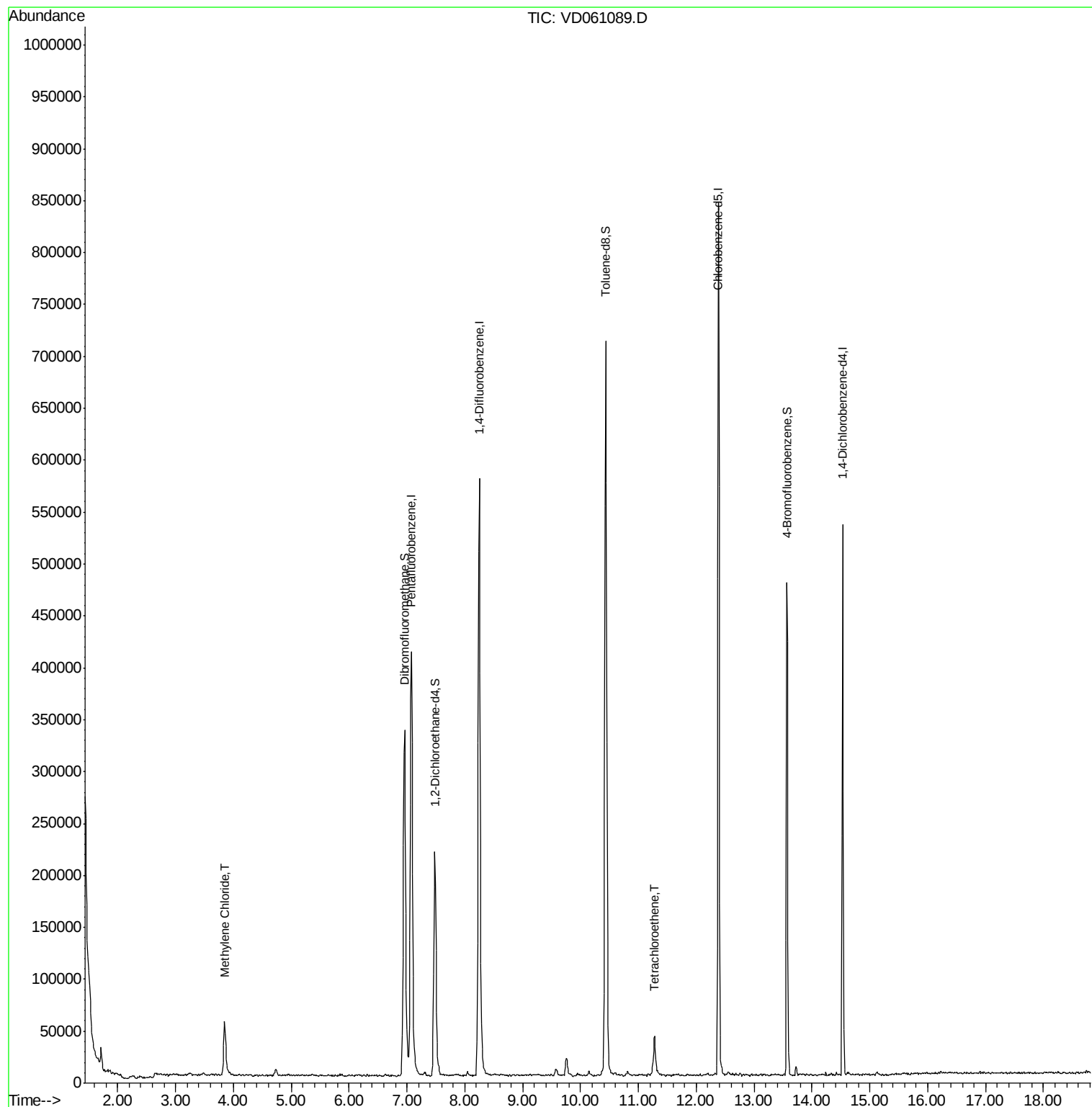
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	421481	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	694751	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	502891	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	116931	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	207454	59.13	ug/l	0.03
Spiked Amount 50.000			Recovery	=	118.26%	
35) Dibromofluoromethane	6.96	113	320219	62.11	ug/l	0.03
Spiked Amount 50.000			Recovery	=	124.22%	
50) Toluene-d8	10.43	98	626815	48.41	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	13.56	95	157073	31.26	ug/l	0.01
Spiked Amount 50.000			Recovery	=	62.52%	
Target Compounds						
20) Methylene Chloride	3.85	84	39613	4.407	ug/l	94
64) Tetrachloroethene	11.28	164	10329	3.043	ug/l	93

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

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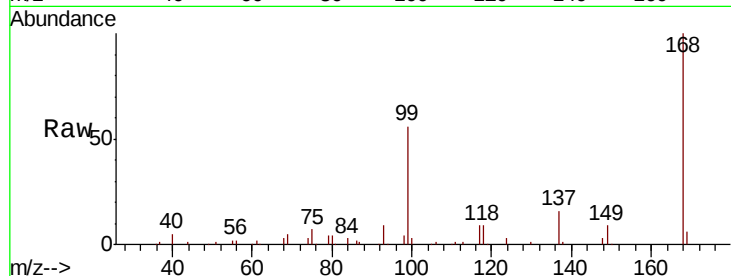
SB-6(0.5-1.5)RE

Tgt Ion:168 Resp: 421481

Ion Ratio Lower Upper

168 100

99 56.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

150000

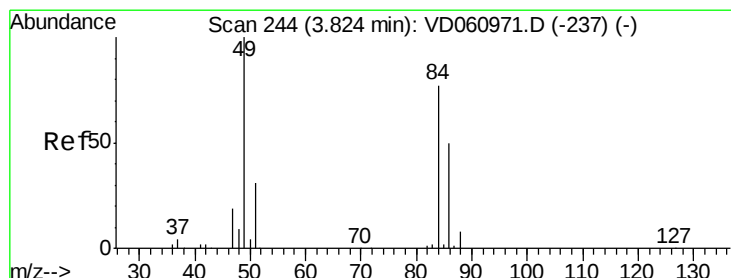
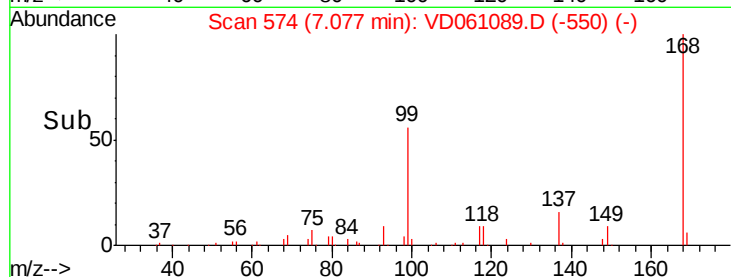
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#20

Methylene Chloride

Concen: 4.407 ug/l

RT: 3.85 min Scan# 246

Delta R.T. 0.03 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Tgt Ion: 84 Resp: 39613

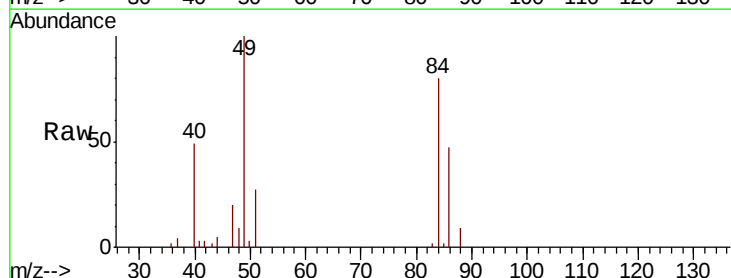
Ion Ratio Lower Upper

84 100

49 125.7 104.2 156.2

51 34.2 32.3 48.5

86 58.9 52.3 78.5



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

25000

20000

15000

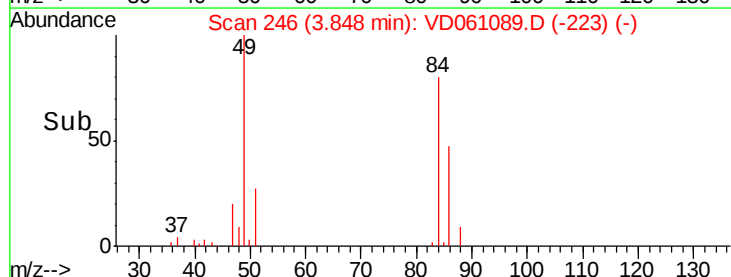
10000

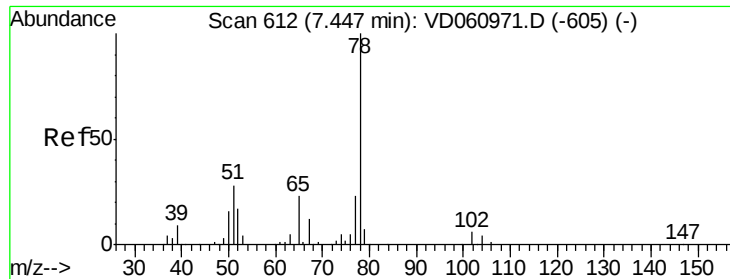
5000

0

3.70 3.80 3.90 4.00

Time-->

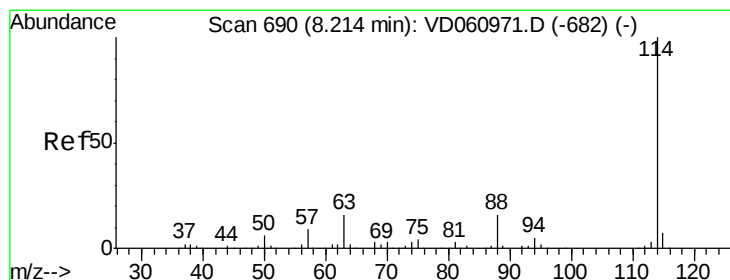
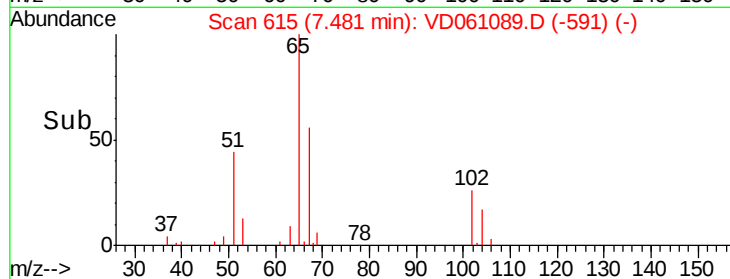
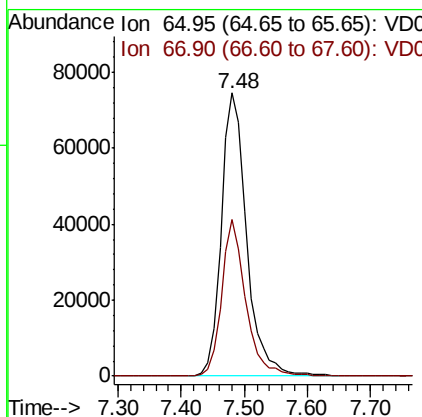
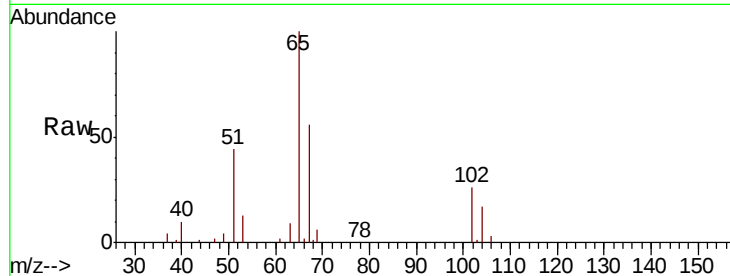




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061089.D
 Acq: 15 Mar 2019 16:15

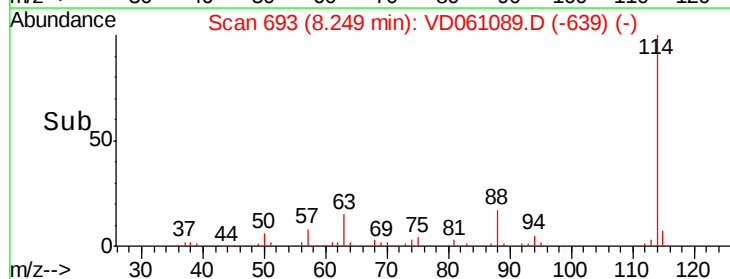
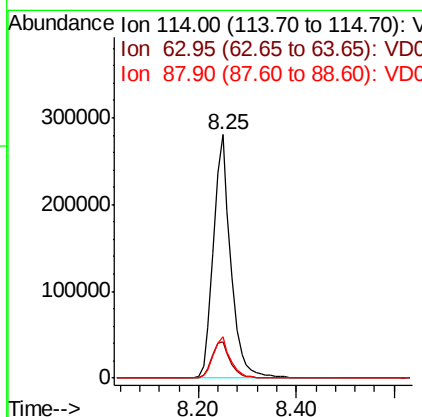
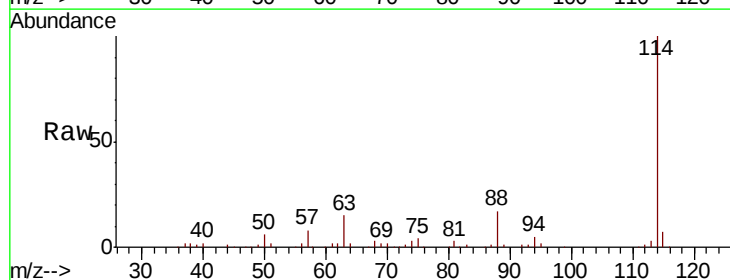
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6(0.5-1.5)RE

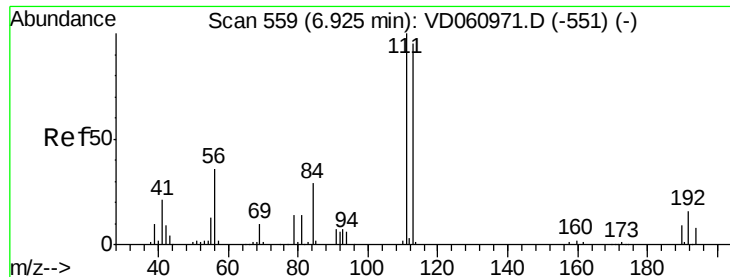
Tgt Ion: 65 Resp: 207454
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061089.D
 Acq: 15 Mar 2019 16:15

Tgt Ion: 114 Resp: 694751
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 31.4
 88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

SB-6(0.5-1.5)RE

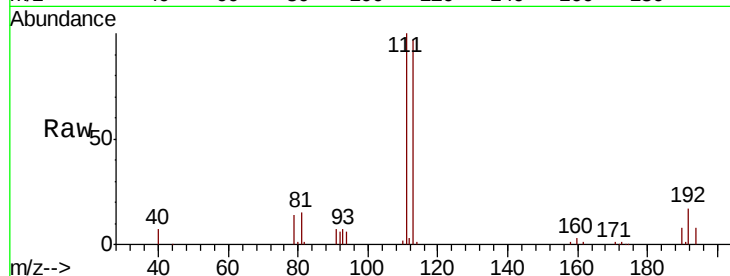
Tgt Ion:113 Resp: 320219

Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.4

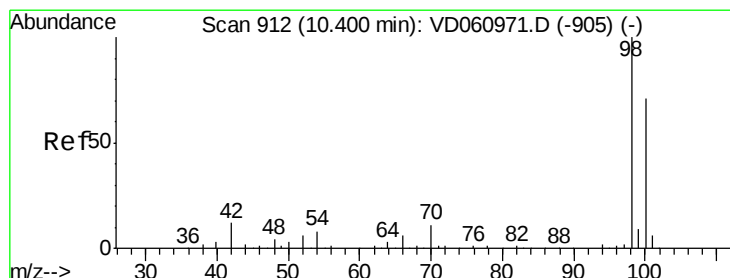
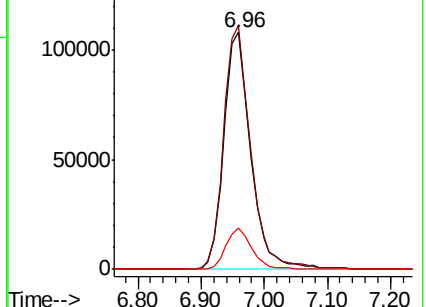
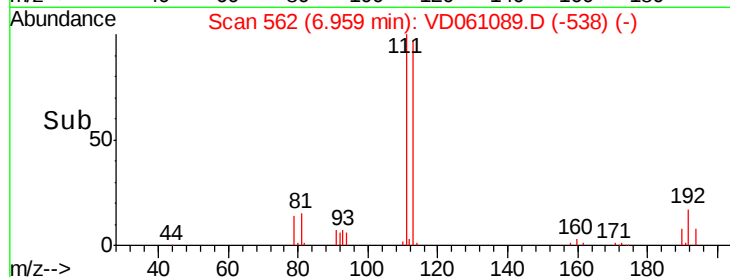
192 17.6 13.1 19.7



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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061089.D

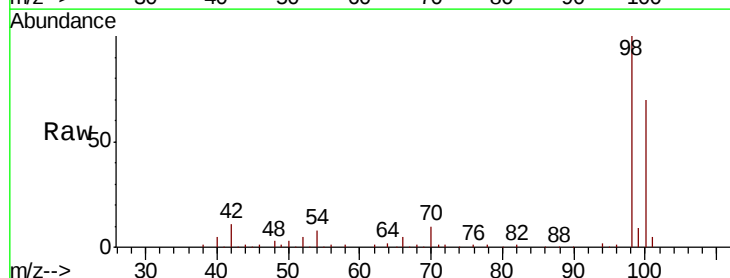
Acq: 15 Mar 2019 16:15

Tgt Ion: 98 Resp: 626815

Ion Ratio Lower Upper

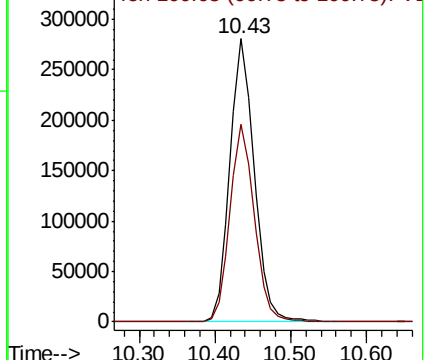
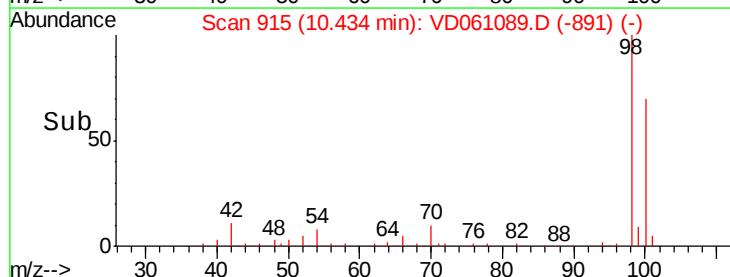
98 100

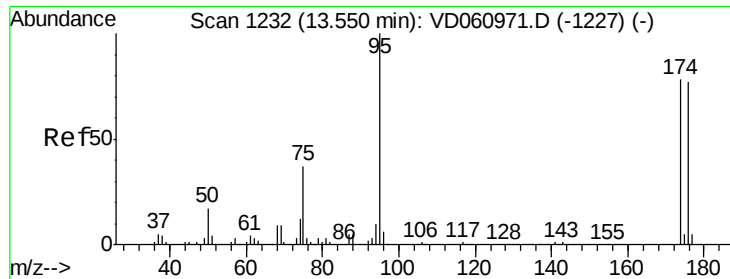
100 69.7 57.4 86.2



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

SB-6(0.5-1.5)RE

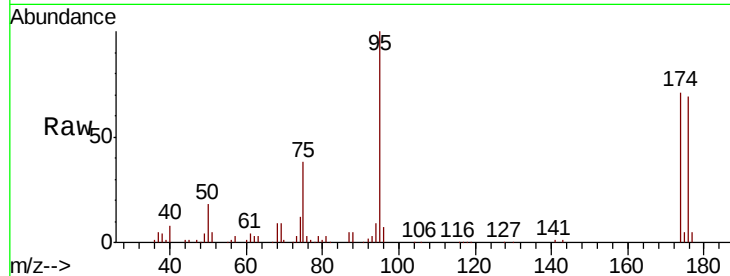
Tgt Ion: 95 Resp: 157073

Ion Ratio Lower Upper

95 100

174 70.9 0.0 155.6

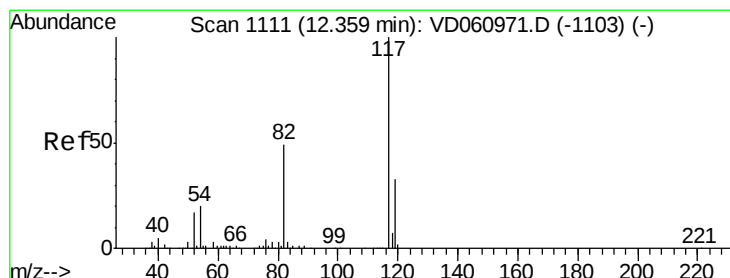
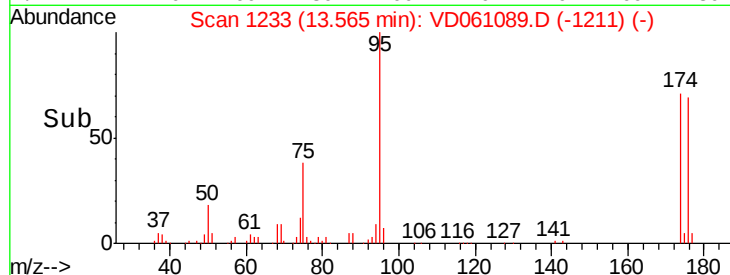
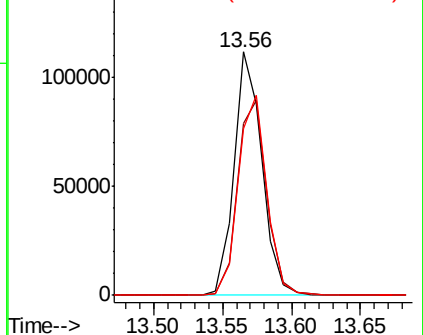
176 68.6 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061089.D

Acq: 15 Mar 2019 16:15

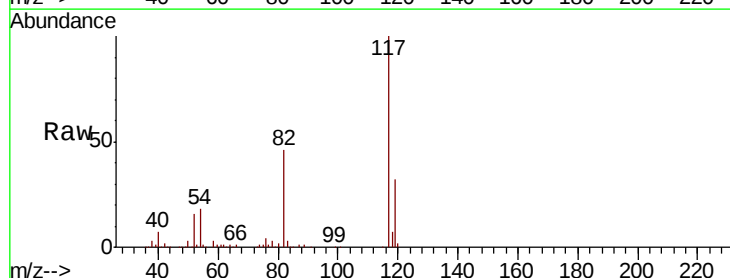
Tgt Ion: 117 Resp: 502891

Ion Ratio Lower Upper

117 100

82 46.2 38.9 58.3

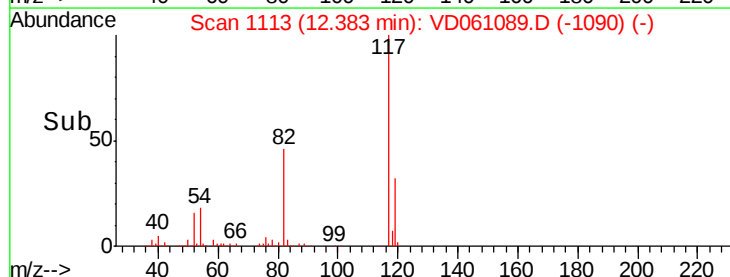
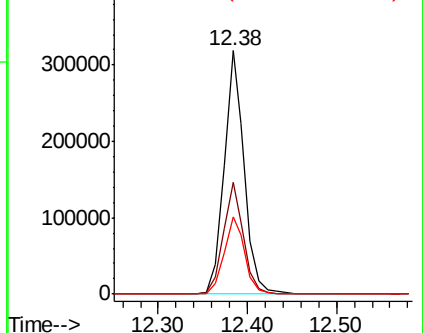
119 31.6 26.6 39.8

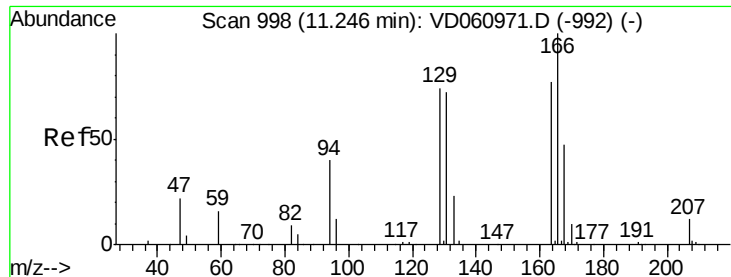


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

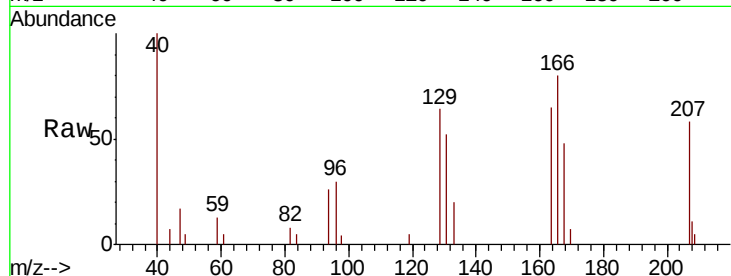




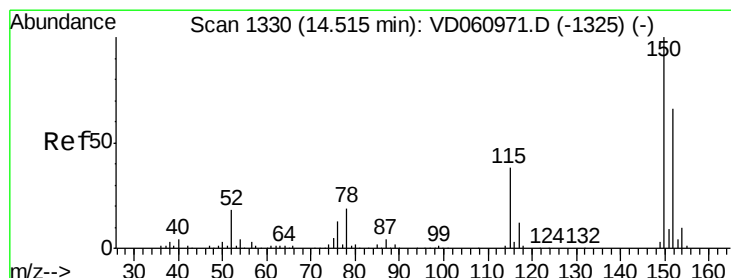
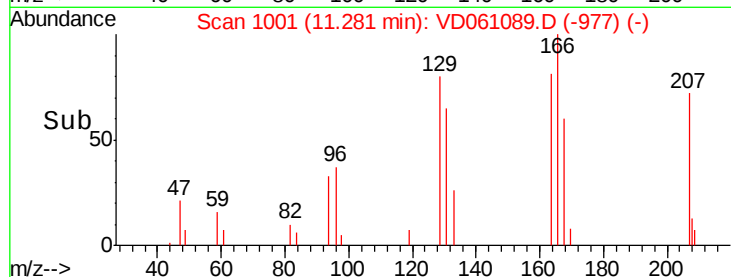
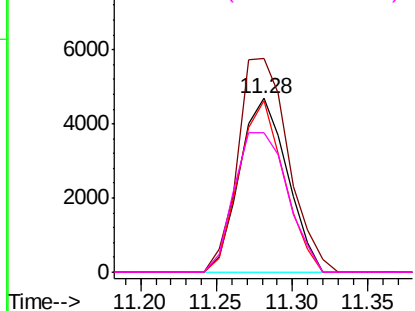
#64
Tetrachloroethene
Concen: 3.043 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
SB-6(0.5-1.5)RE

Tgt Ion:164 Resp: 10329
Ion Ratio Lower Upper
164 100
166 122.9 103.4 155.0
129 98.4 76.9 115.3
131 80.0 74.4 111.6

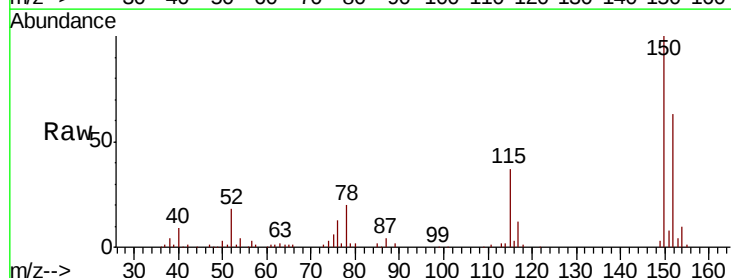


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061089.D
Acq: 15 Mar 2019 16:15

Tgt Ion:152 Resp: 116931
Ion Ratio Lower Upper
152 100
115 59.1 28.6 85.9
150 158.5 0.0 310.6



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

