

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061382.D
 Acq On : 28 Mar 2019 6:52
 Operator : VA/AP
 Sample : K2107-01
 Misc : 7.61g/5ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Mar 28 08:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

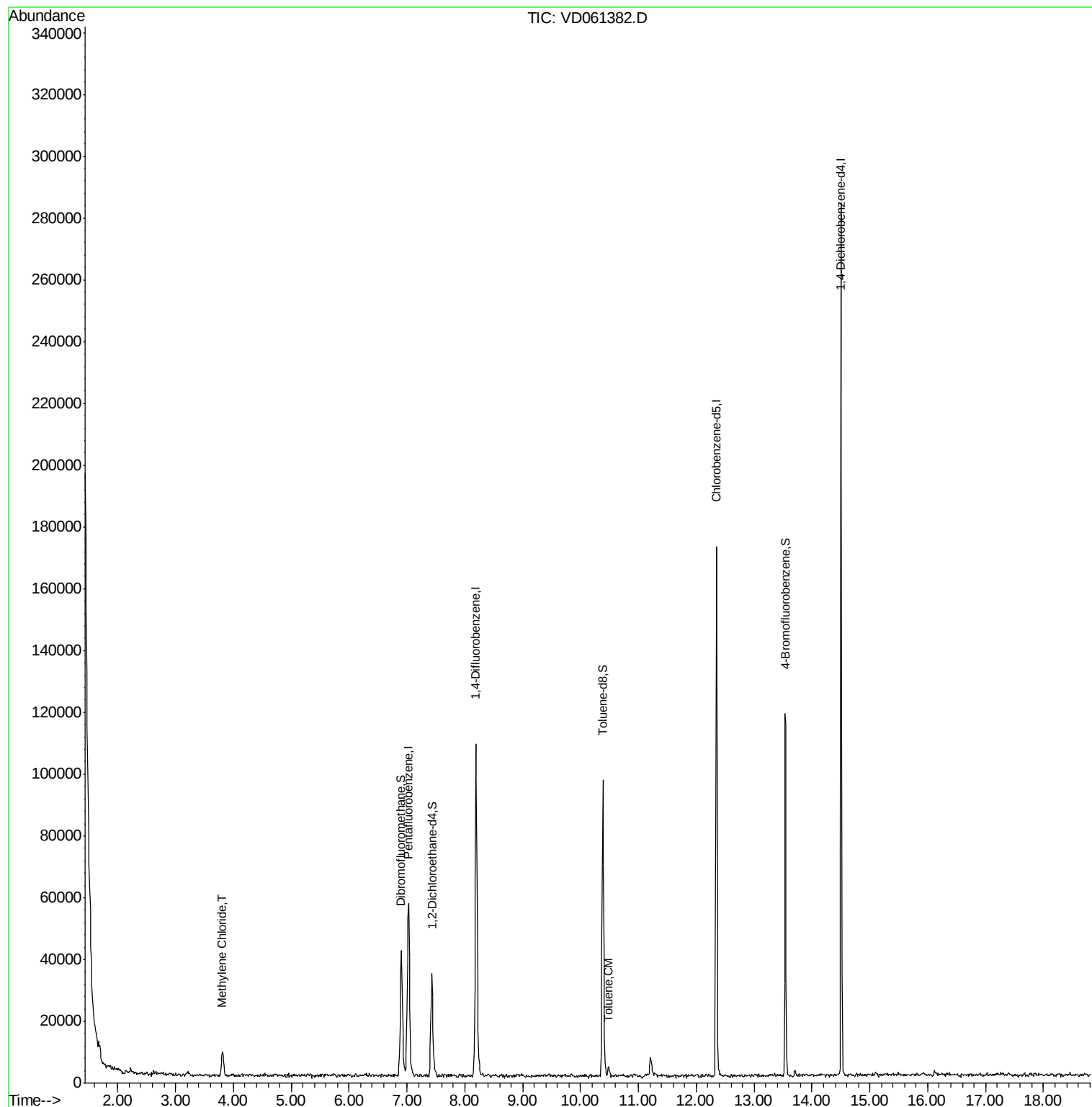
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	60502	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.19	114	134319	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	113571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	64943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	35195	68.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.20%	
35) Dibromofluoromethane	6.91	113	41872	40.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	81.58%	
50) Toluene-d8	10.39	98	82166	33.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.76%	
62) 4-Bromofluorobenzene	13.54	95	41608	44.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.14%	
Target Compounds						
20) Methylene Chloride	3.81	84	6462	7.032	ug/l #	89
52) Toluene	10.47	92	2146	1.196	ug/l	83

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

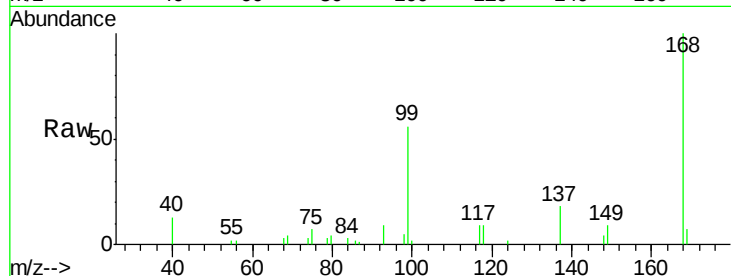
TP-1

Tgt Ion:168 Resp: 60502

Ion Ratio Lower Upper

168 100

99 55.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

25000

20000

15000

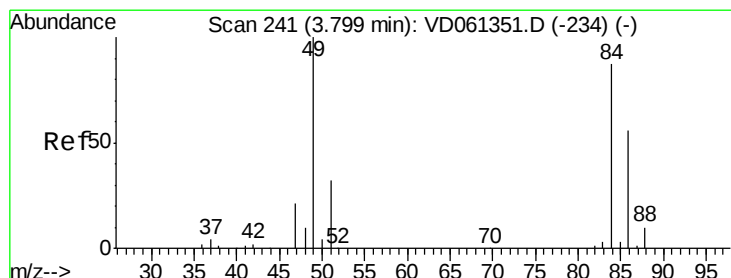
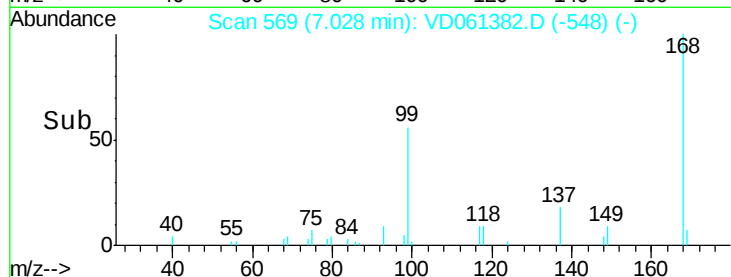
10000

5000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 7.032 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Tgt Ion: 84 Resp: 6462

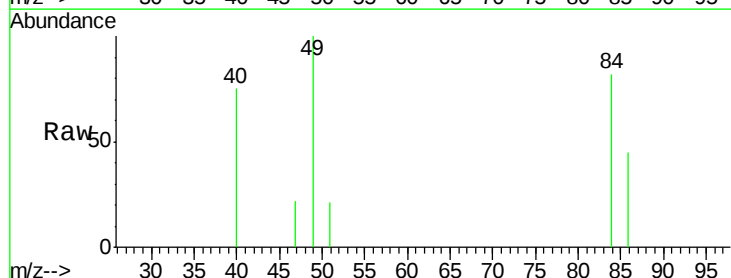
Ion Ratio Lower Upper

84 100

49 121.9 91.8 137.8

51 26.1 29.8 44.8#

86 54.5 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

4000

3000

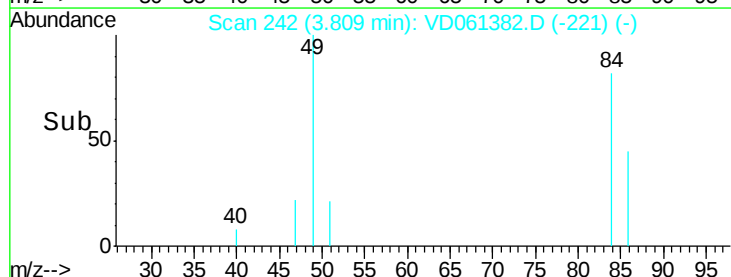
2000

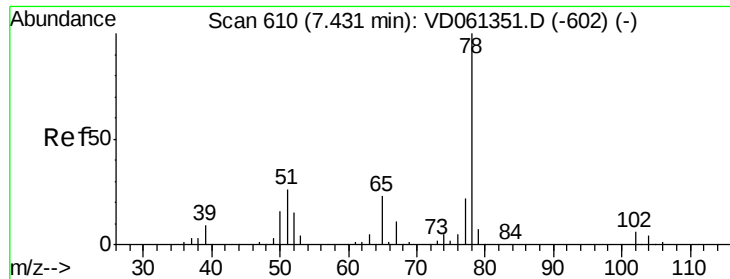
1000

0

Time-->

3.75 3.80 3.85 3.90





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampled :

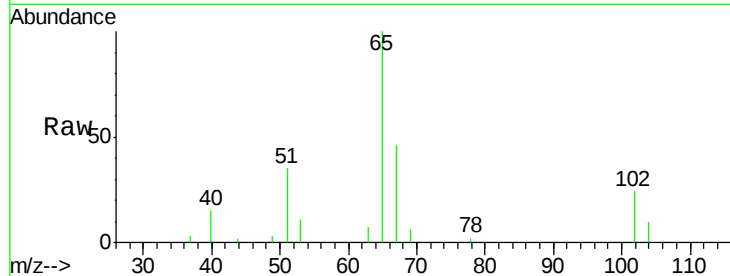
TP-1

Tgt Ion: 65 Resp: 35195

Ion Ratio Lower Upper

65 100

67 46.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

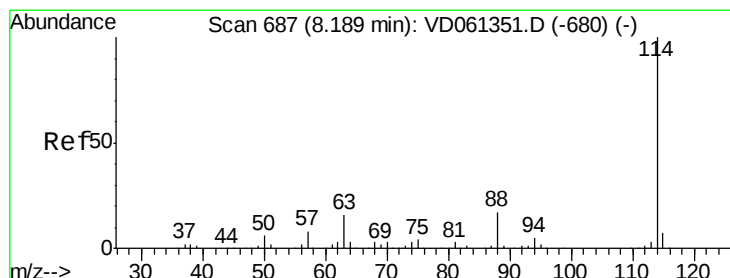
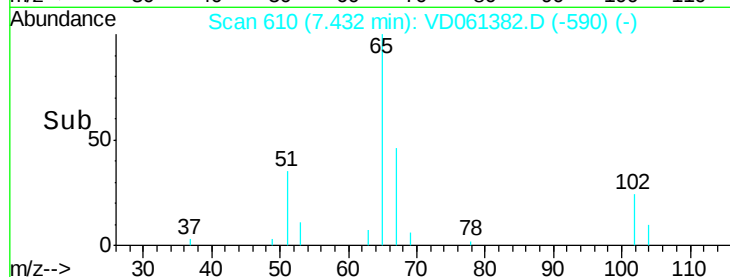
15000

10000

5000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

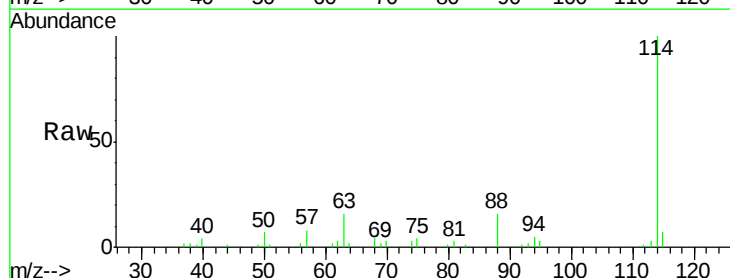
Tgt Ion: 114 Resp: 134319

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

88 16.3 0.0 33.4



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

8.19

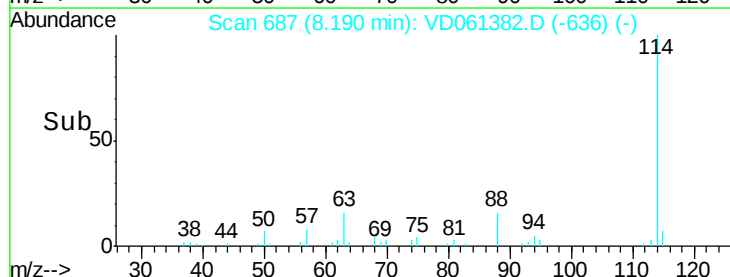
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40

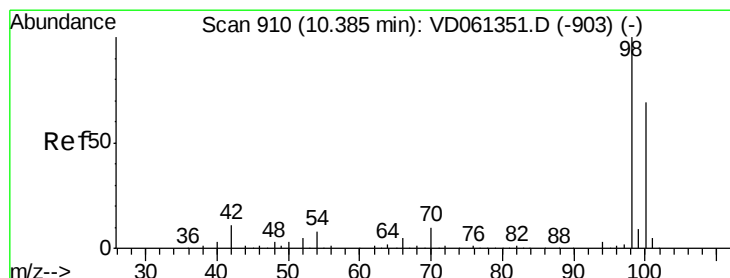
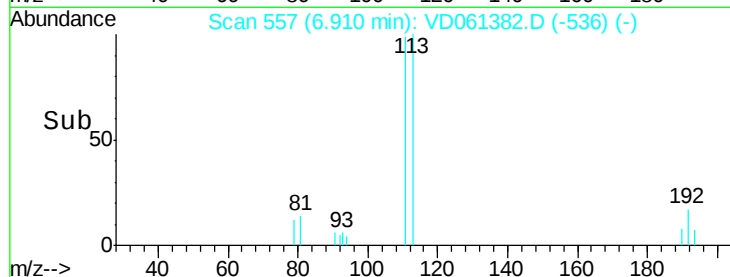
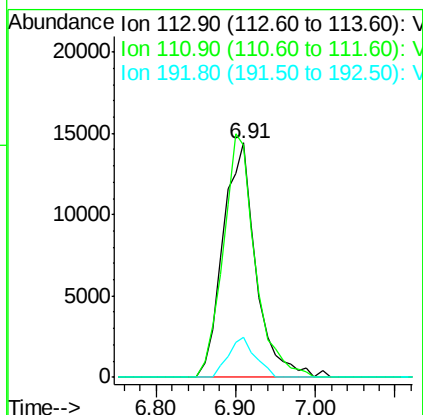
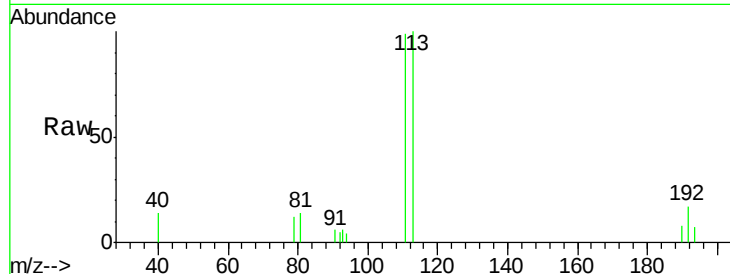




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 557
Delta R.T. 0.01 min
Lab File: VD061382.D
Acq: 28 Mar 2019 6:52

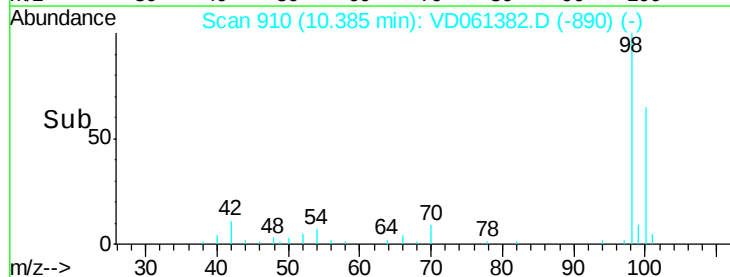
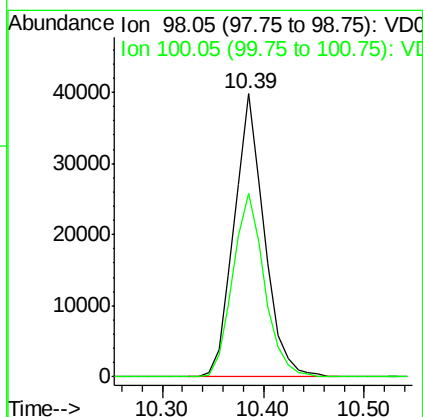
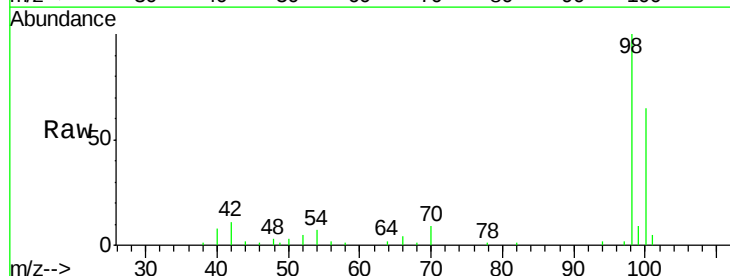
Instrument :
MSVOA_D
ClientSampleId :
TP-1

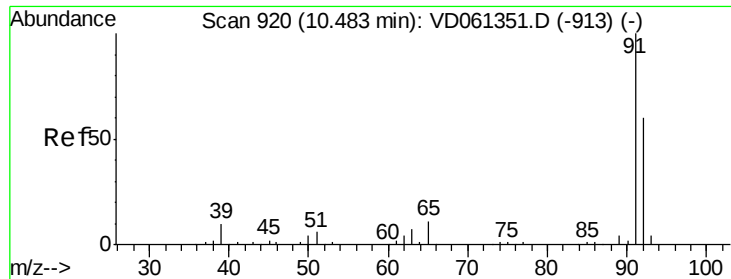
Tgt Ion: 113 Resp: 41872
Ion Ratio Lower Upper
113 100
111 99.2 81.0 121.6
192 16.9 14.4 21.6



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061382.D
Acq: 28 Mar 2019 6:52

Tgt Ion: 98 Resp: 82166
Ion Ratio Lower Upper
98 100
100 64.8 56.2 84.2





#52

Toluene

Concen: 1.196 ug/l

RT: 10.47 min Scan# 919

Delta R.T. -0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

Instrument :

MSVOA_D

ClientSampled :

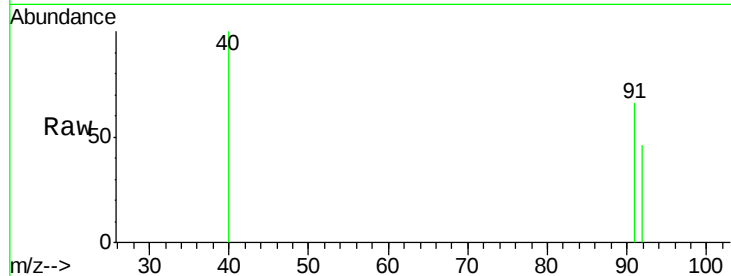
TP-1

Tgt Ion: 92 Resp: 2146

Ion Ratio Lower Upper

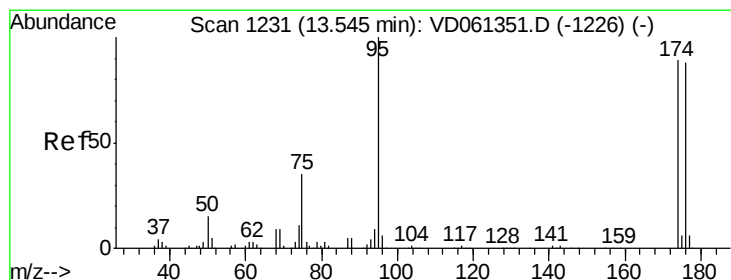
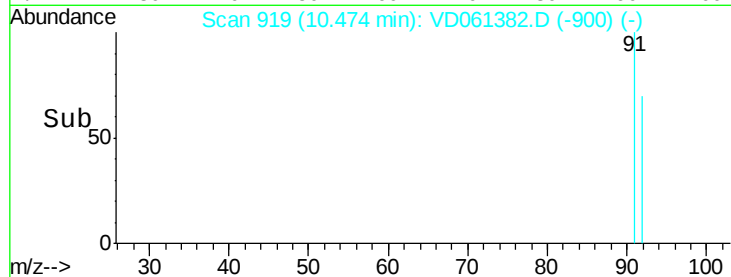
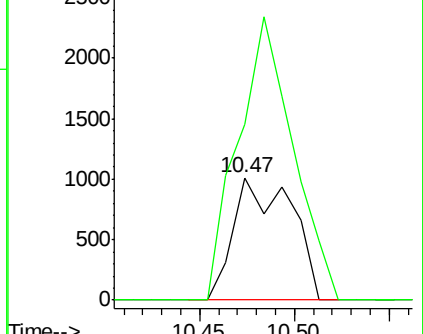
92 100

91 143.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD061382.D

Acq: 28 Mar 2019 6:52

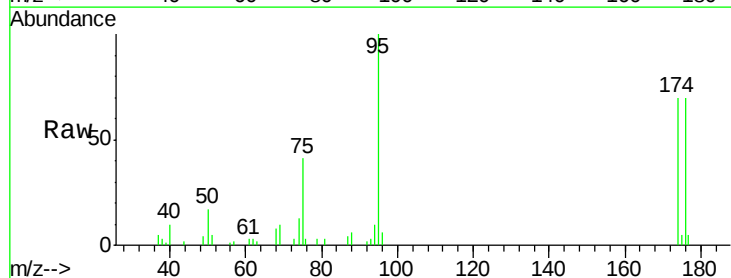
Tgt Ion: 95 Resp: 41608

Ion Ratio Lower Upper

95 100

174 70.3 0.0 178.0

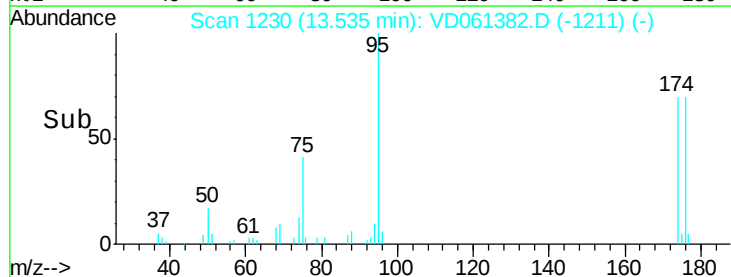
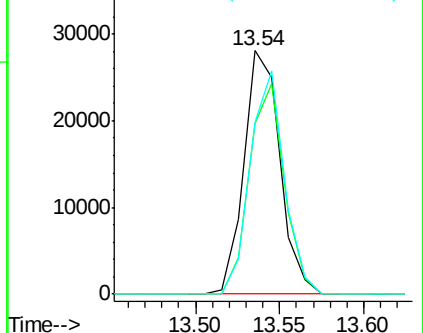
176 70.5 0.0 175.0

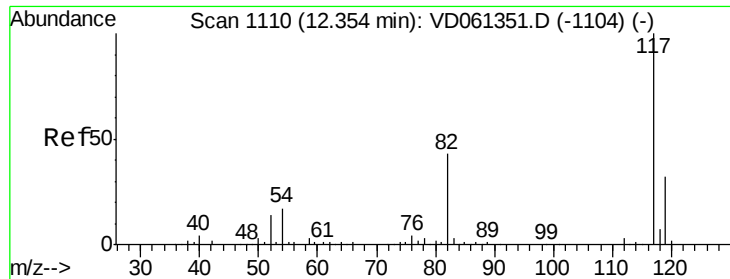


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

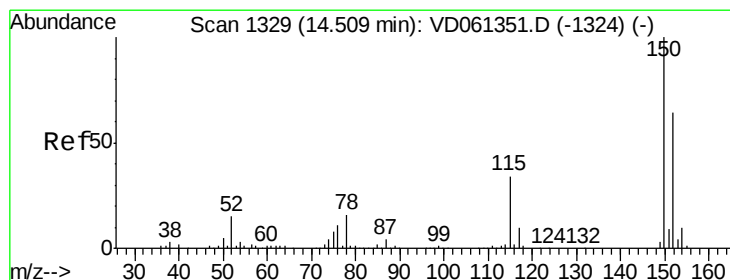
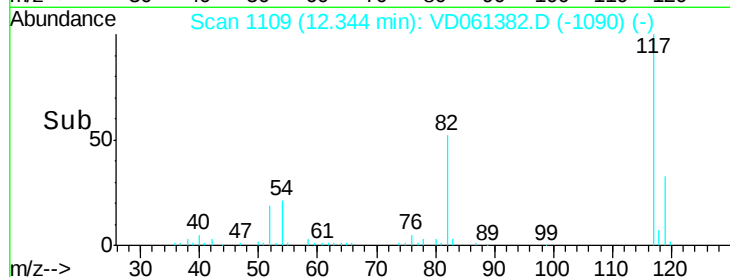
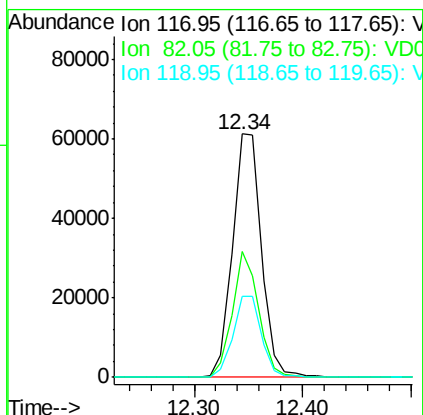
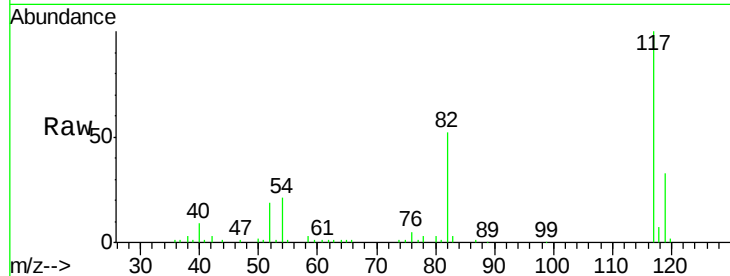




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061382.D
Acq: 28 Mar 2019 6:52

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tgt Ion:117 Resp: 113571
Ion Ratio Lower Upper
117 100
82 51.5 34.4 51.6
119 33.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061382.D
Acq: 28 Mar 2019 6:52

Tgt Ion:152 Resp: 64943
Ion Ratio Lower Upper
152 100
115 60.9 26.9 80.6
150 162.5 0.0 318.0

