

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061530.D
 Acq On : 2 Apr 2019 22:34
 Operator : VA/AP
 Sample : K2184-02RE
 Misc : 4.28g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-001RE

Quant Time: Apr 03 09:03:34 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

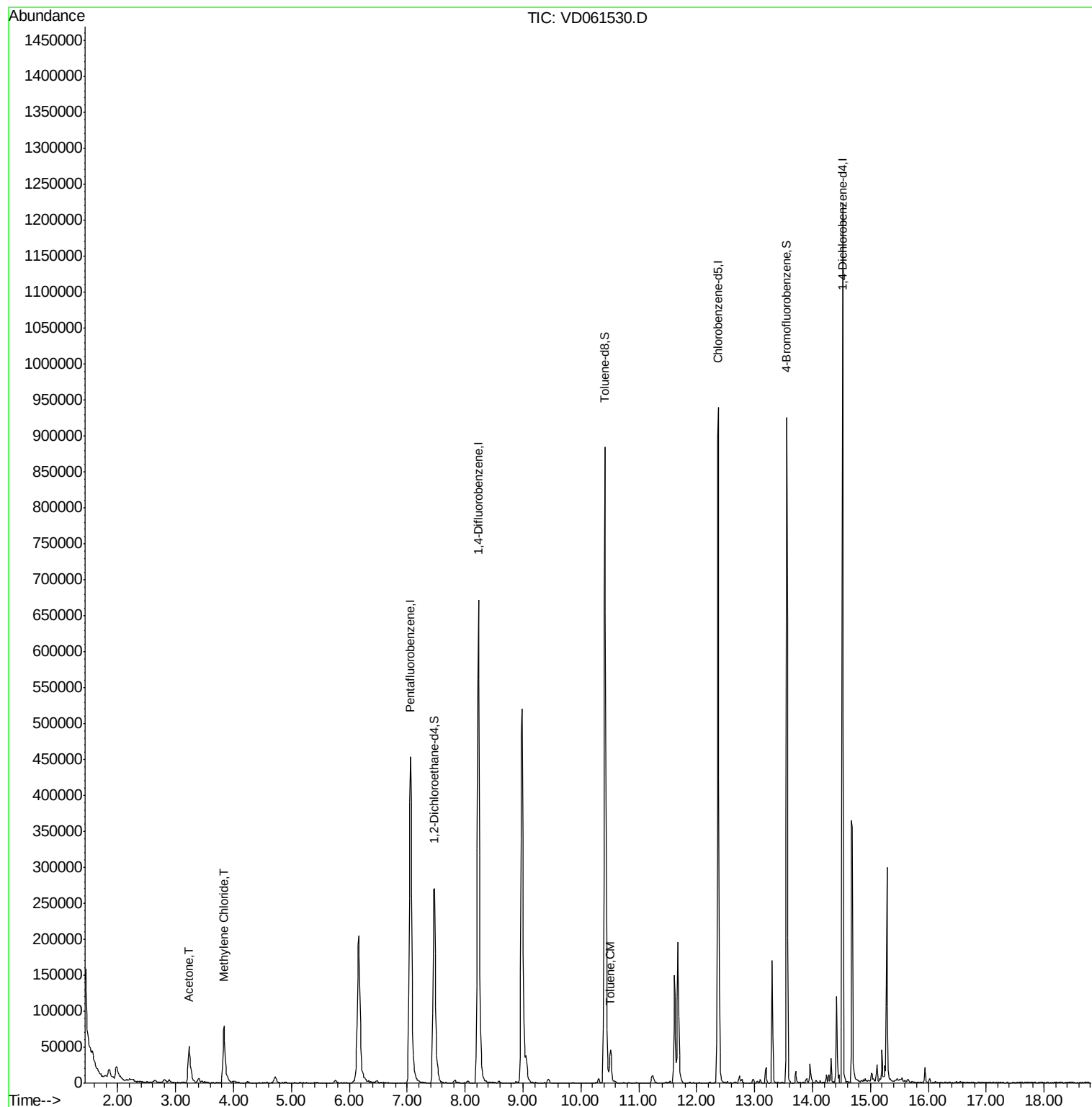
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	475513	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	831240	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	620788	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	267946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	267429	65.84	ug/l	0.03
Spiked Amount 50.000			Recovery	=	131.68%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	10.41	98	760160	49.89	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	13.55	95	287520	49.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.42%	
Target Compounds						
16) Acetone	3.23	43	112000	107.258	ug/l	94
20) Methylene Chloride	3.84	84	61536	8.943	ug/l	94
52) Toluene	10.51	92	23934	2.155	ug/l	83

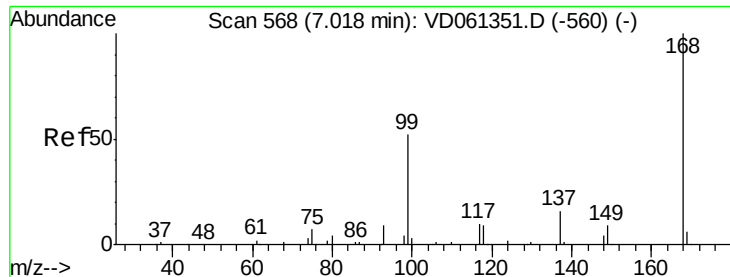
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061530.D

Acq: 2 Apr 2019 22:34

Instrument :

MSVOA_D

ClientSampleId :

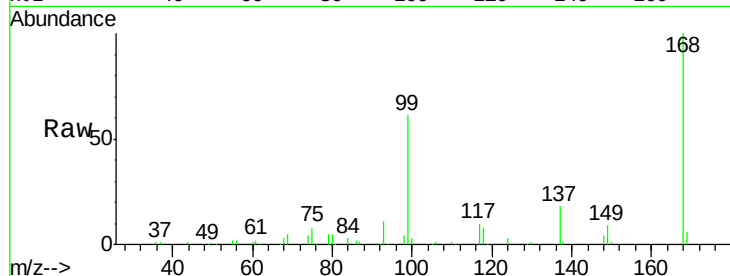
FK-0D015-03-001RE

Tot Ion:168 Resp: 475513

Ion Ratio Lower Upper

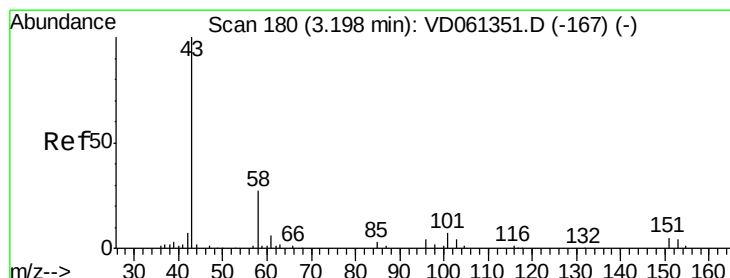
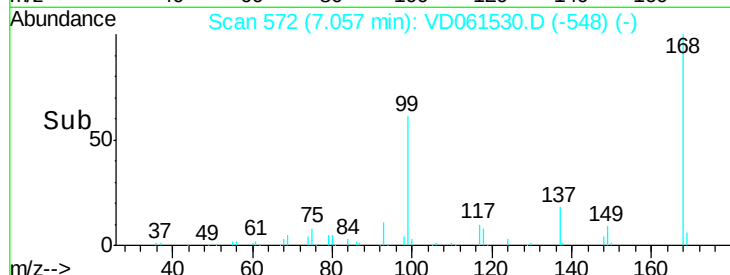
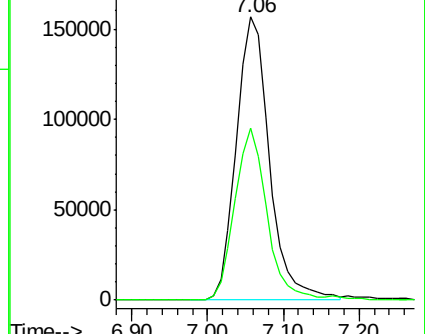
168 100

99 60.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 107.258 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061530.D

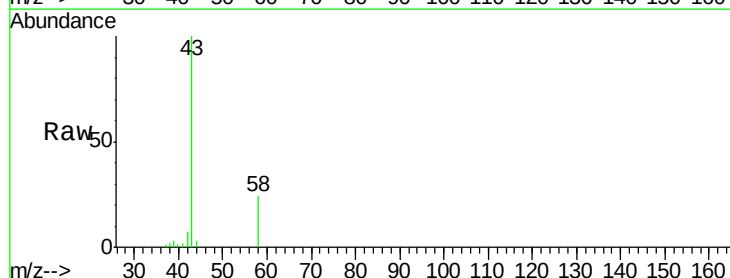
Acq: 2 Apr 2019 22:34

Tgt Ion: 43 Resp: 112000

Ion Ratio Lower Upper

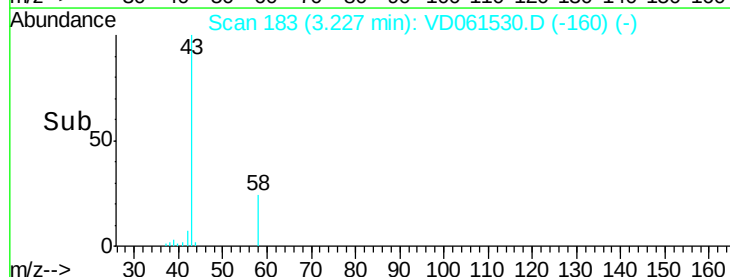
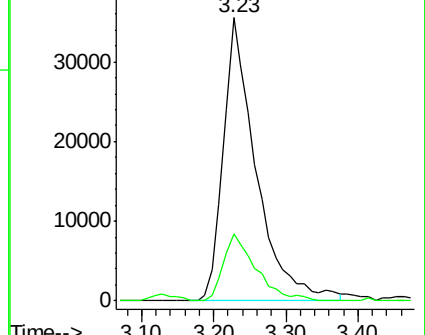
43 100

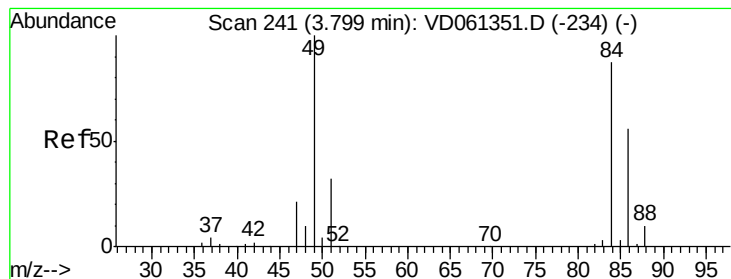
58 23.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 8.943 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD061530.D

Acq: 2 Apr 2019 22:34

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-001RE

Tot Ion: 84 Resp: 61536

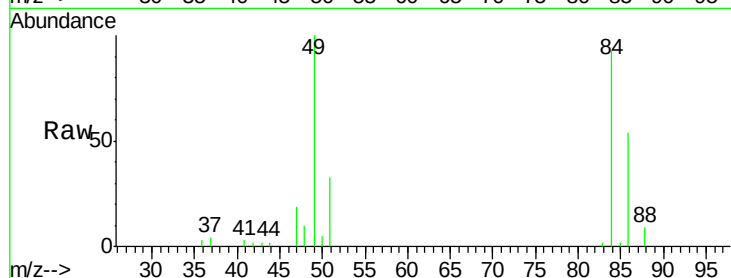
Ion Ratio Lower Upper

84 100

49 107.9 91.8 137.8

51 35.5 29.8 44.8

86 58.7 51.8 77.6

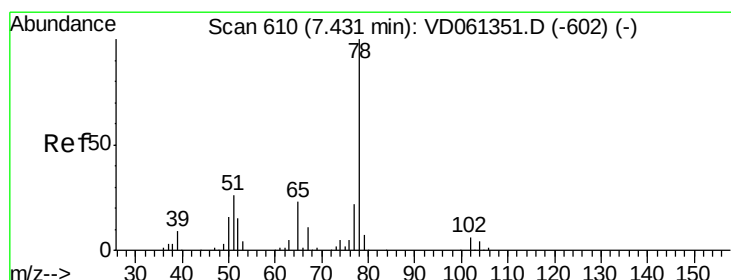
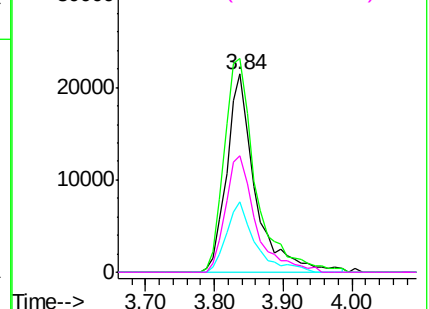
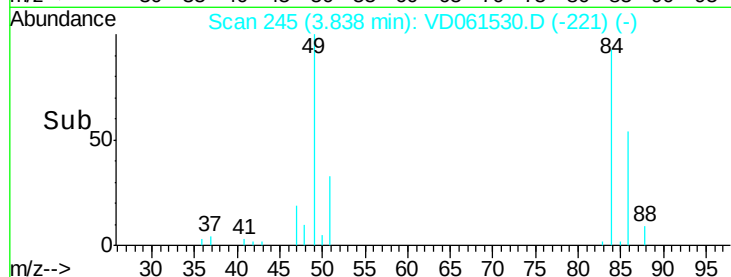


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061530.D

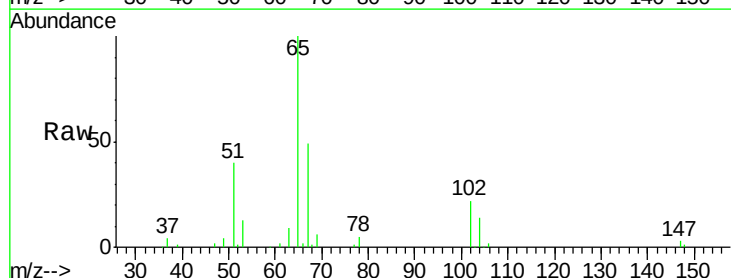
Acq: 2 Apr 2019 22:34

Tgt Ion: 65 Resp: 267429

Ion Ratio Lower Upper

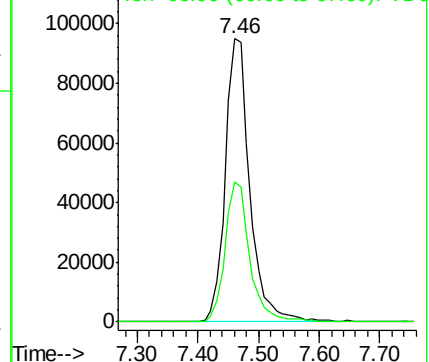
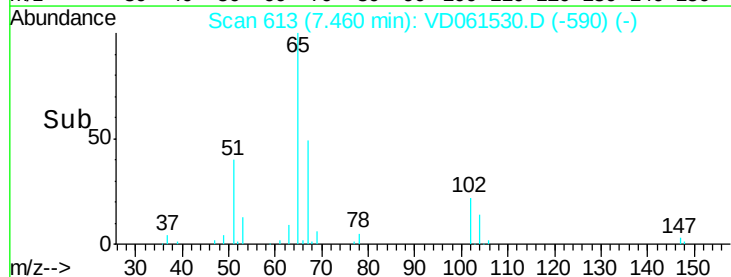
65 100

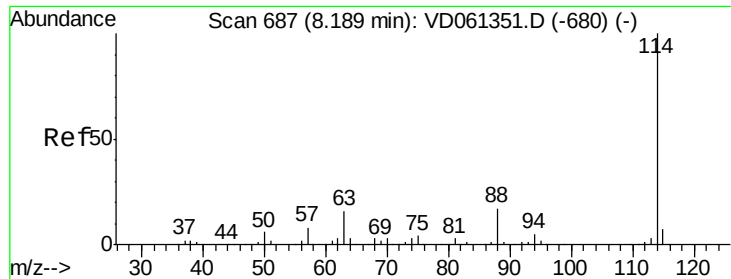
67 49.4 0.0 99.8



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: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD061530.D

Acq: 2 Apr 2019 22:34

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-001RE

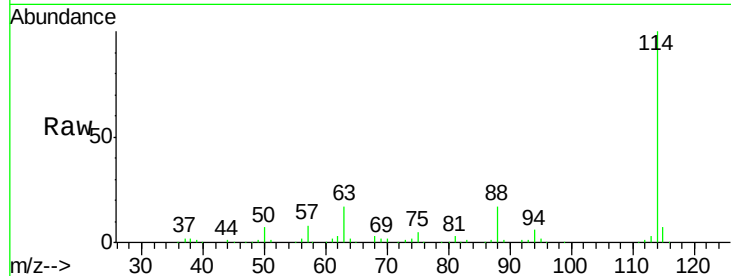
Tot Ion:114 Resp: 831240

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.6

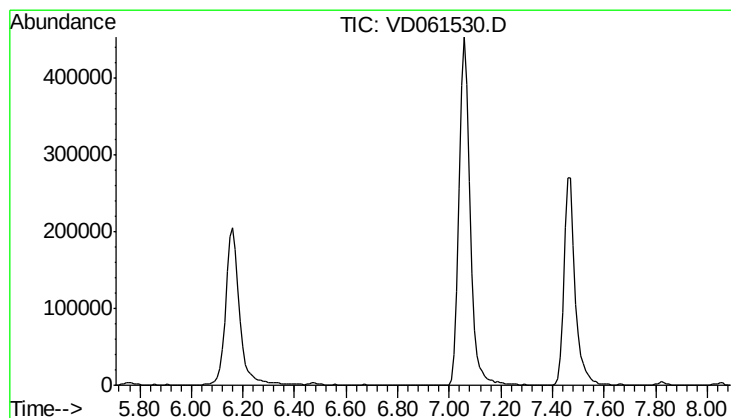
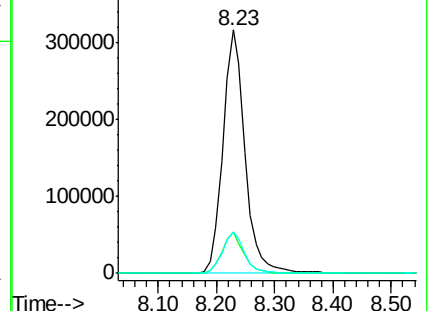
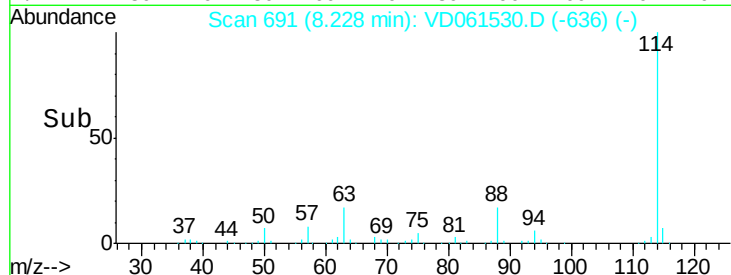
88 17.2 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

Expected RT: 6.90 min

Lab File: VD061530.D

Acq: 2 Apr 2019 22:34

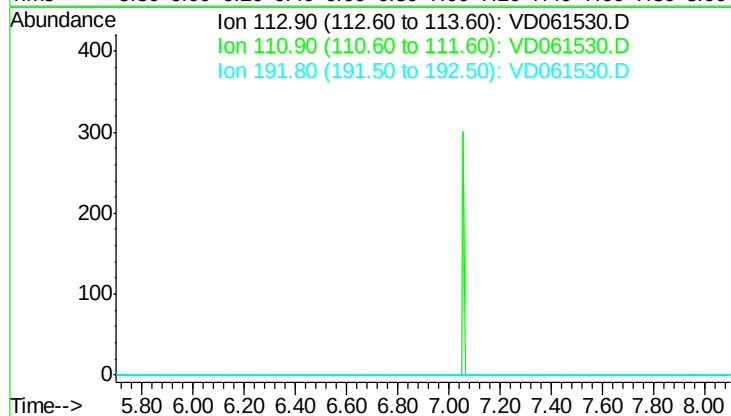
Tgt Ion: 113

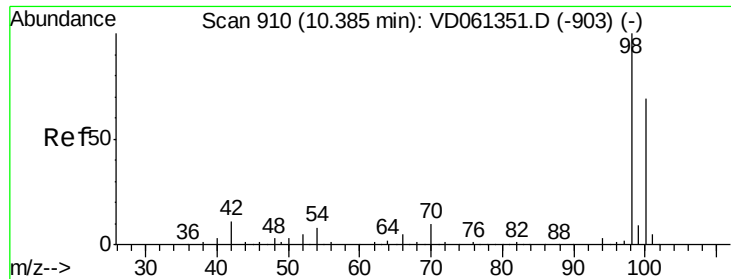
Sig Exp Ratio

113 100

111 101.3

192 18.0

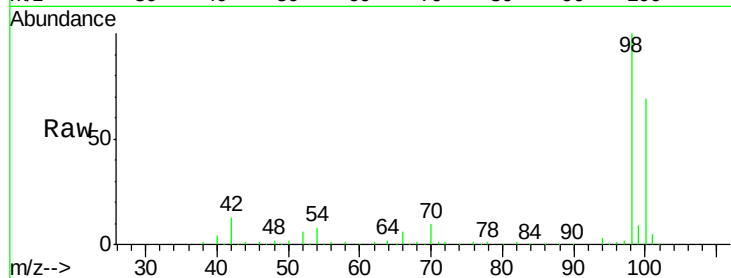




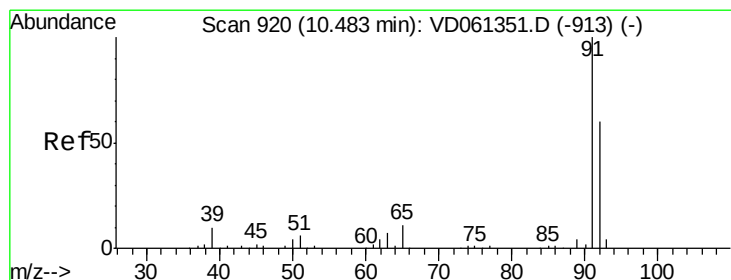
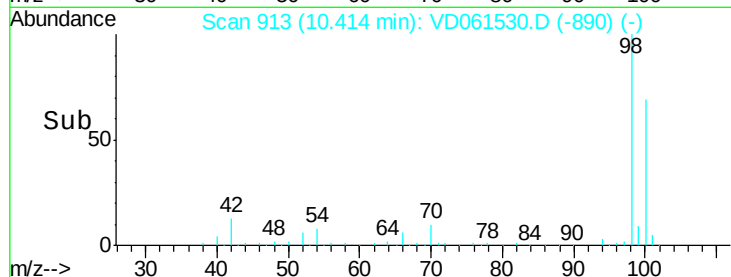
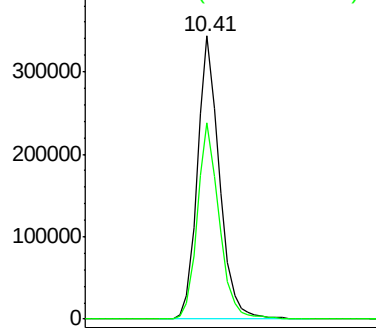
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.03 min
Lab File: VD061530.D
Acq: 2 Apr 2019 22:34

Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-001RE

Tot Ion: 98 Resp: 760160
Ion Ratio Lower Upper
98 100
100 69.3 56.2 84.2

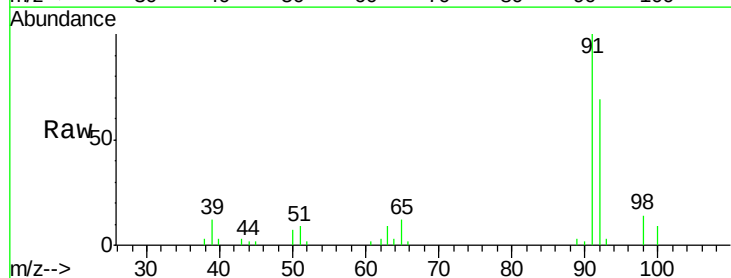


Abundance Ion 98.05 (97.75 to 98.75): VD061530.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061530.D (-903) (-)

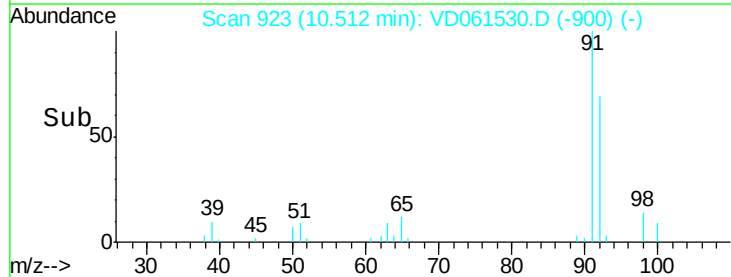
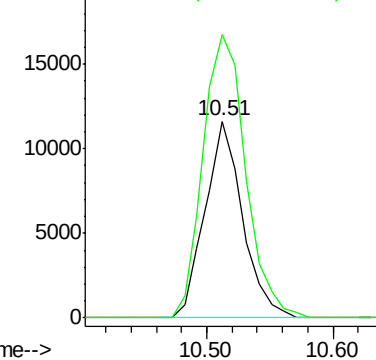


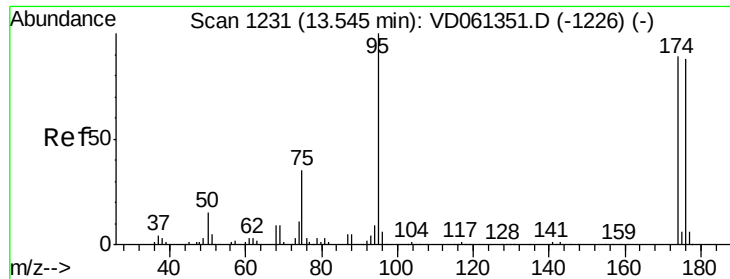
#52
Toluene
Concen: 2.155 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.03 min
Lab File: VD061530.D
Acq: 2 Apr 2019 22:34

Tgt Ion: 92 Resp: 23934
Ion Ratio Lower Upper
92 100
91 144.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VD061530.D (-900) (-)
Ion 91.00 (90.70 to 91.70): VD061530.D (-900) (-)

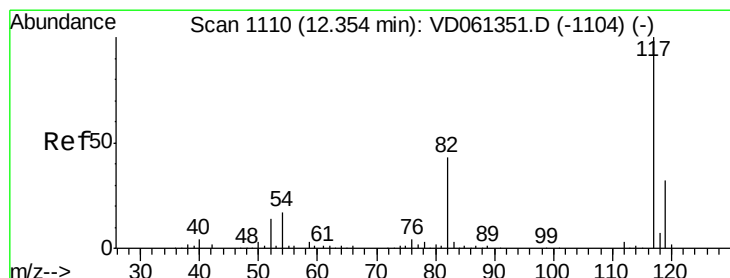
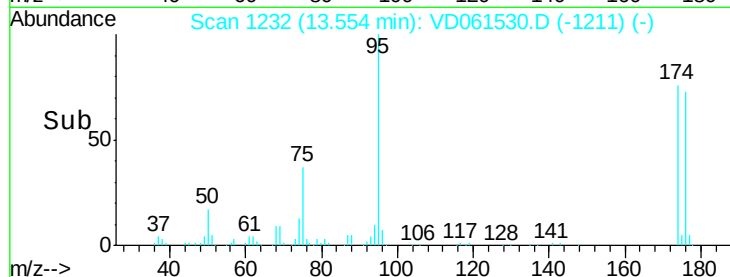
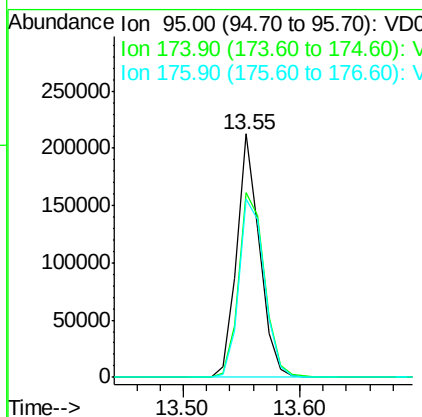
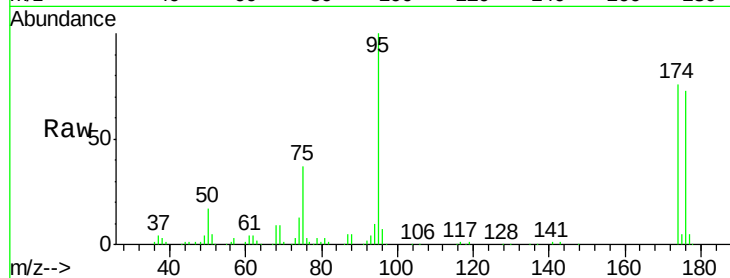




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061530.D
Acq: 2 Apr 2019 22:34

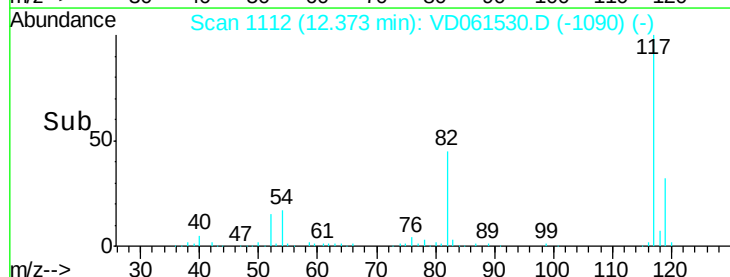
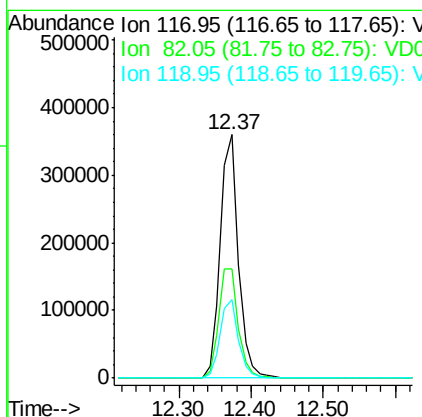
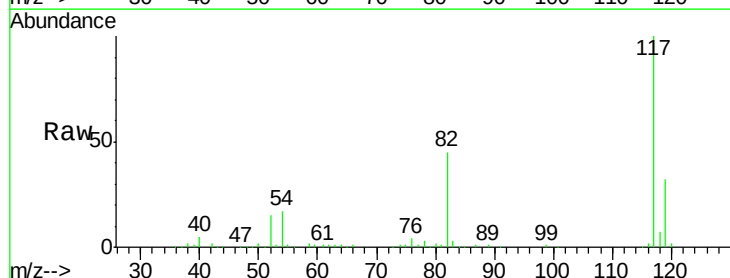
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-001RE

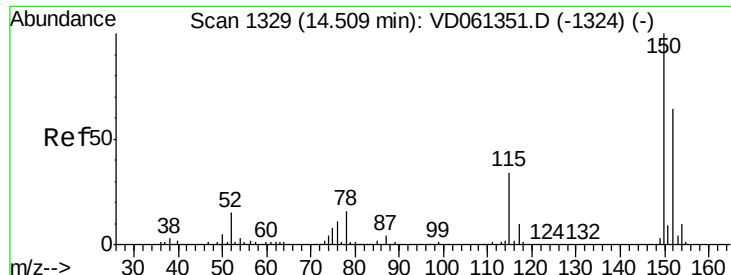
Tot Ion: 95 Resp: 287520
Ion Ratio Lower Upper
95 100
174 75.6 0.0 178.0
176 73.5 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061530.D
Acq: 2 Apr 2019 22:34

Tgt Ion: 117 Resp: 620788
Ion Ratio Lower Upper
117 100
82 44.8 34.4 51.6
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061530.D

Acq: 2 Apr 2019 22:34

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-001RE

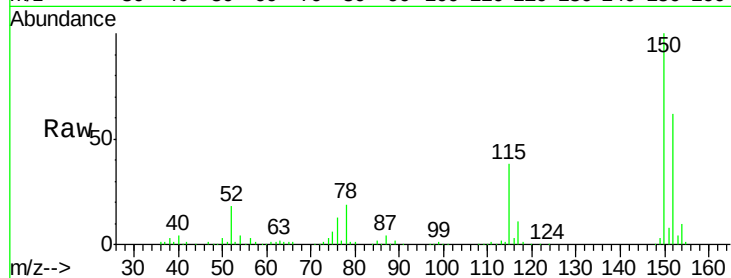
Tot Ion:152 Resp: 267946

Ion Ratio Lower Upper

152 100

115 60.4 26.9 80.6

150 160.1 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

