

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061563.D
 Acq On : 3 Apr 2019 18:47
 Operator : VA/AP
 Sample : K2209-03
 Misc : 5.36g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E-5

Quant Time: Apr 04 02:52:49 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

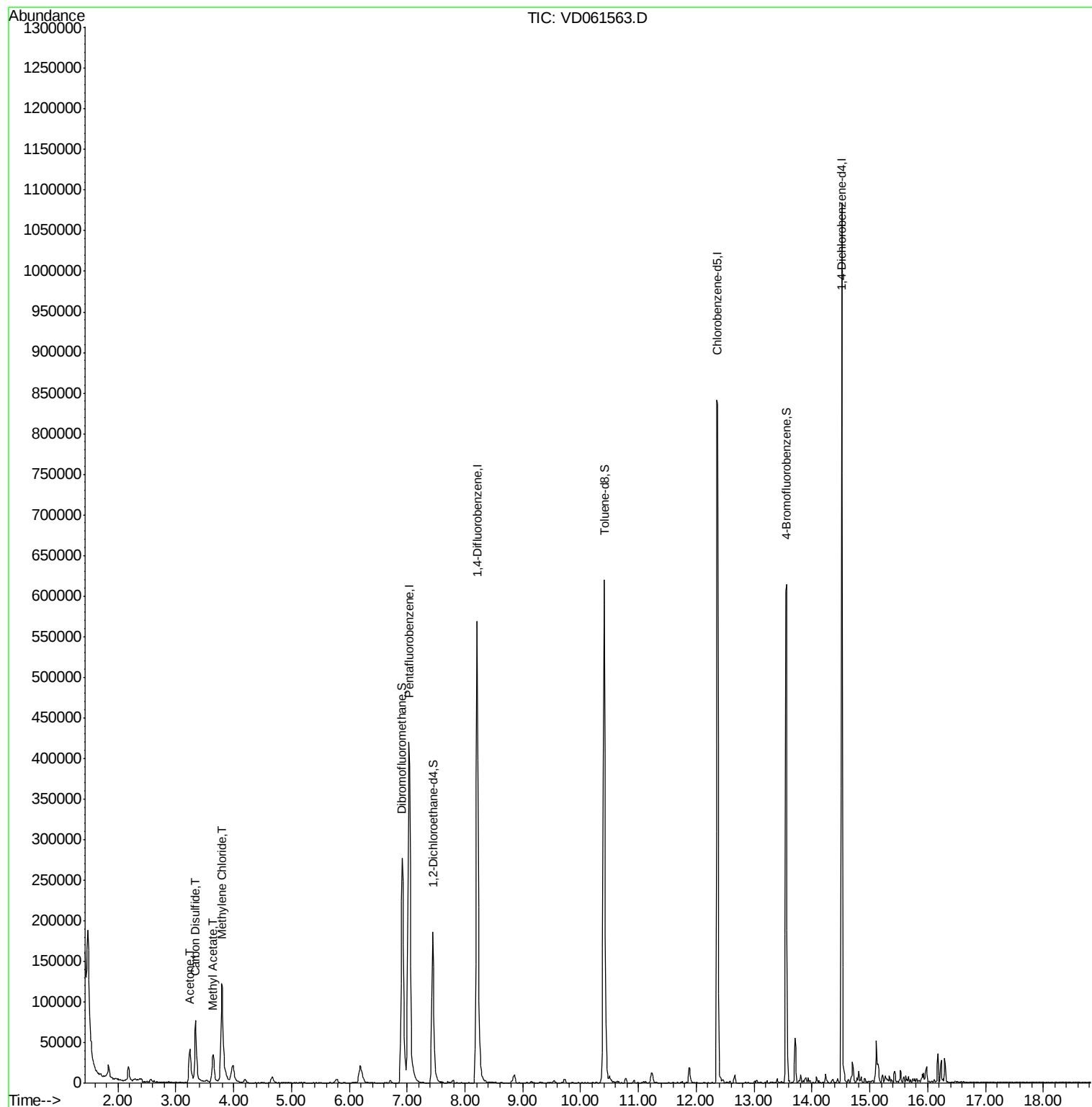
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	439368	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	734385	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	577546	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	255602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	182890	48.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.46%	
35) Dibromofluoromethane	6.91	113	264703	47.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.34%	
50) Toluene-d8	10.41	98	577830	42.93	ug/l	0.02
Spiked Amount 50.000			Recovery	=	85.86%	
62) 4-Bromofluorobenzene	13.55	95	216517	41.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.90%	
Target Compounds						
16) Acetone	3.24	43	78534	81.396	ug/l	95
17) Carbon Disulfide	3.34	76	152144	9.929	ug/l	100
18) Methyl Acetate	3.65	43	67639	33.342	ug/l	99
20) Methylene Chloride	3.79	84	96109	16.495	ug/l	94

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

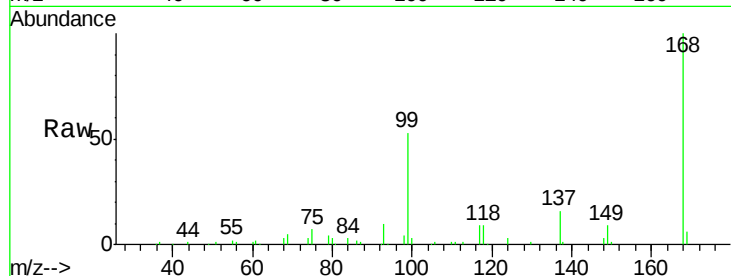
E-5

Tot Ion:168 Resp: 439368

Ion Ratio Lower Upper

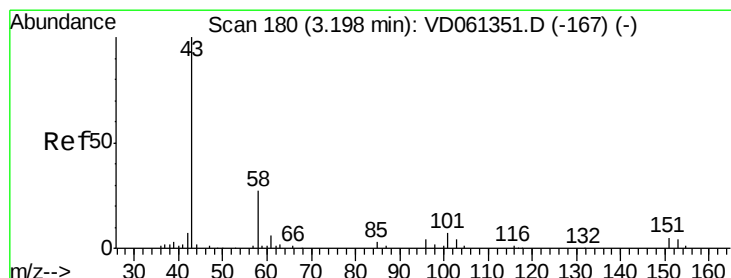
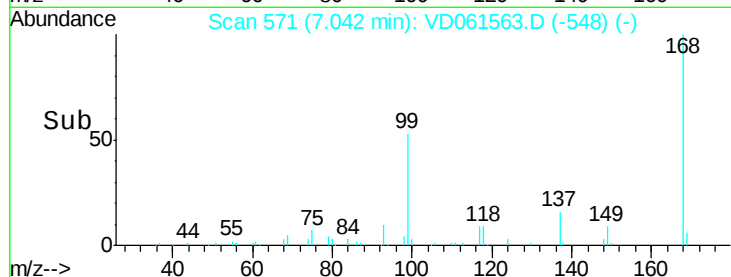
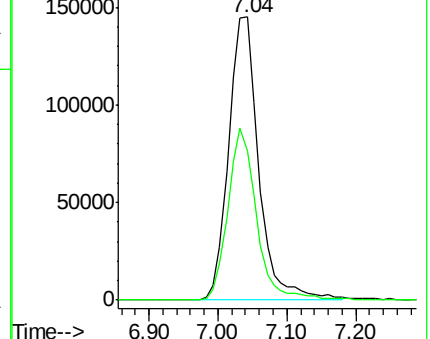
168 100

99 52.7 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: 81.396 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061563.D

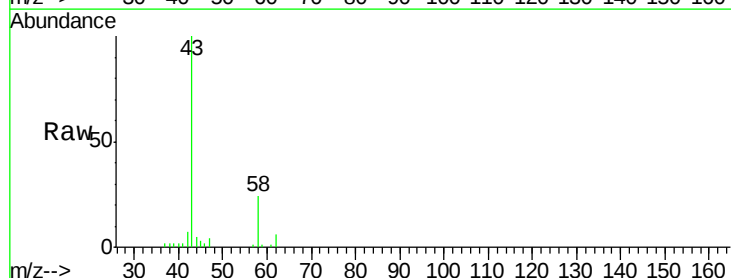
Acq: 3 Apr 2019 18:47

Tgt Ion: 43 Resp: 78534

Ion Ratio Lower Upper

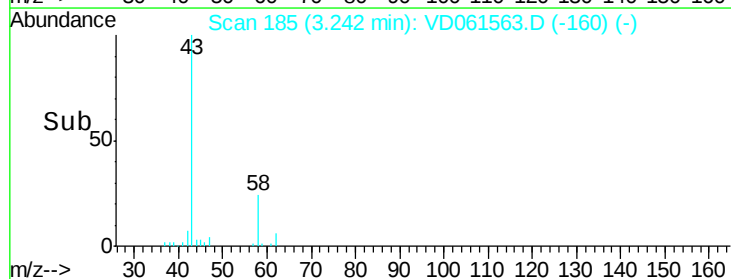
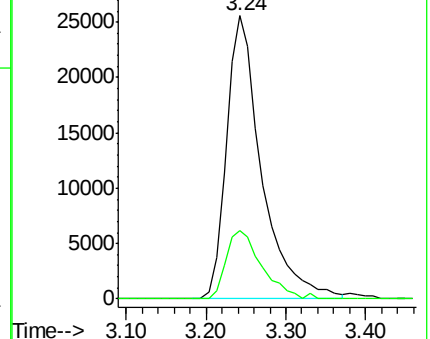
43 100

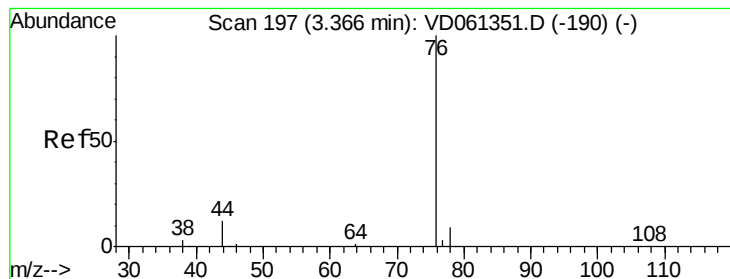
58 24.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 9.929 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.02 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

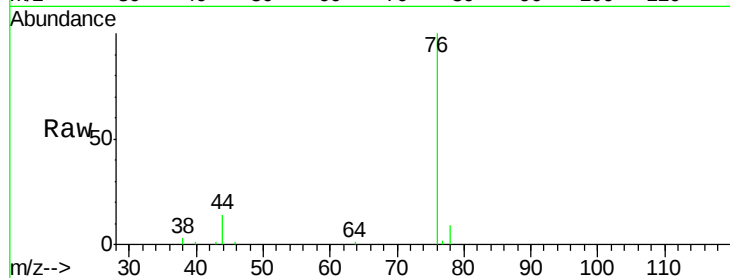
E-5

Tot Ion: 76 Resp: 152144

Ion Ratio Lower Upper

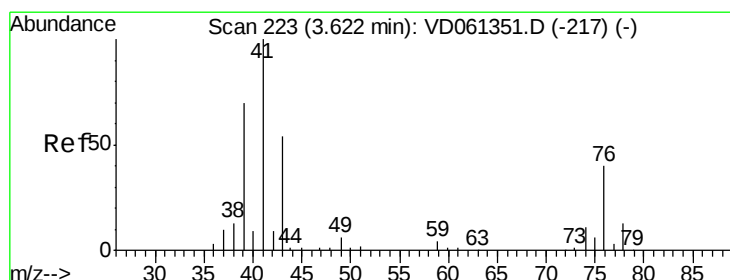
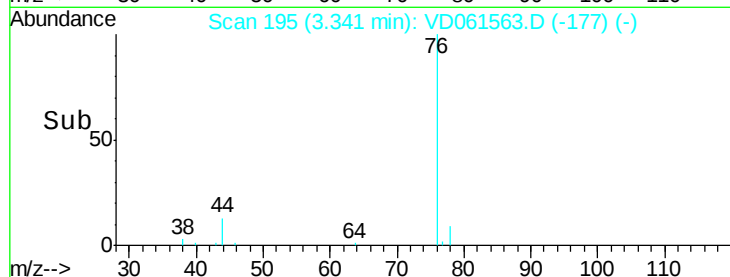
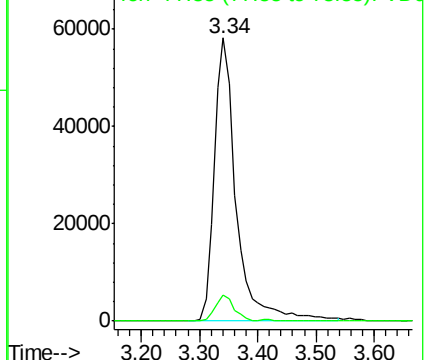
76 100

78 9.0 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 33.342 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061563.D

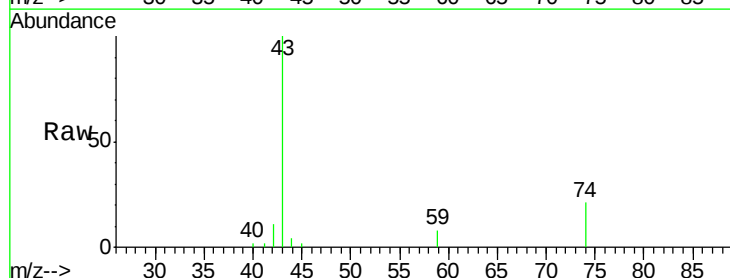
Acq: 3 Apr 2019 18:47

Tgt Ion: 43 Resp: 67639

Ion Ratio Lower Upper

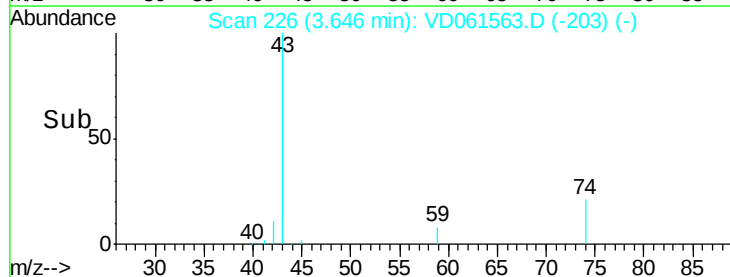
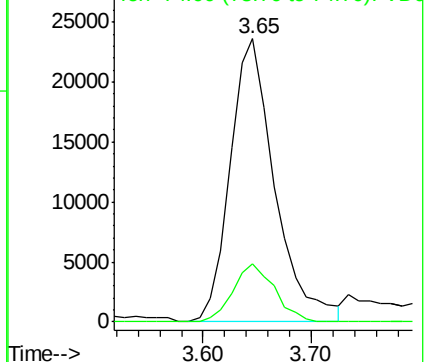
43 100

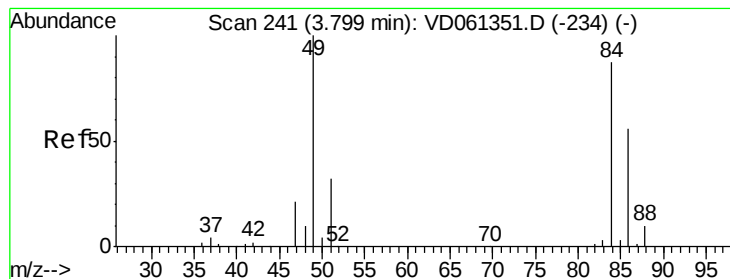
74 20.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 16.495 ug/l

RT: 3.79 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

E-5

Tot Ion: 84 Resp: 96109

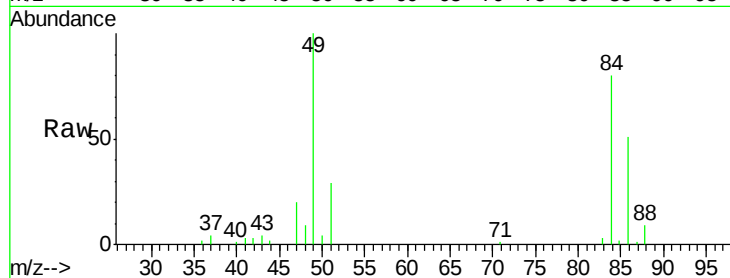
Ion Ratio Lower Upper

84 100

49 125.0 91.8 137.8

51 36.1 29.8 44.8

86 64.0 51.8 77.6

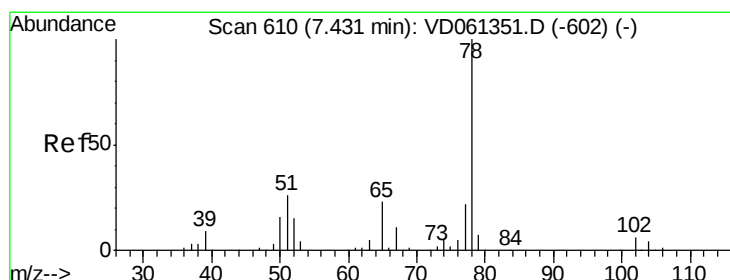
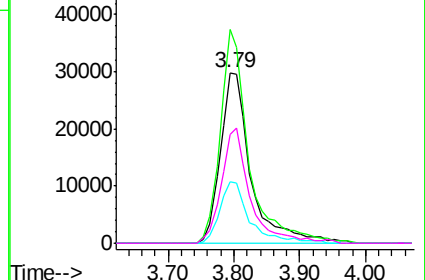
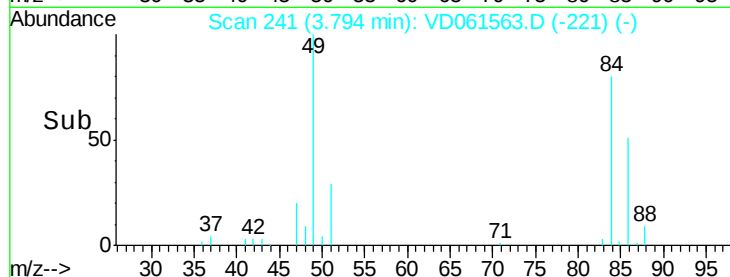


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061563.D

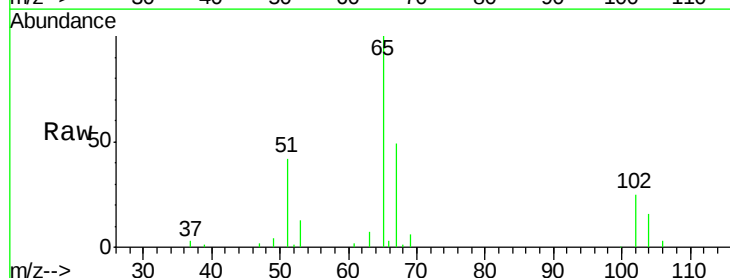
Acq: 3 Apr 2019 18:47

Tgt Ion: 65 Resp: 182890

Ion Ratio Lower Upper

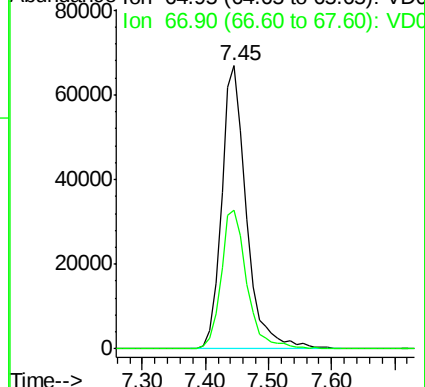
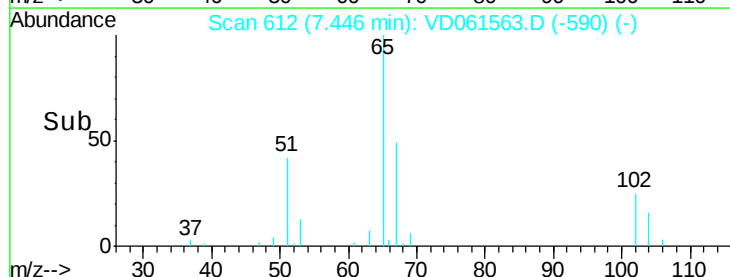
65 100

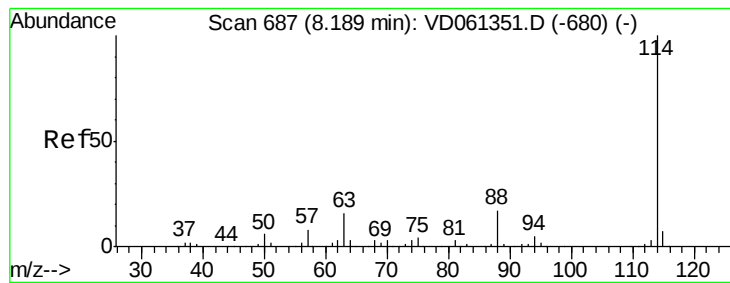
67 49.1 0.0 99.8



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: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

E-5

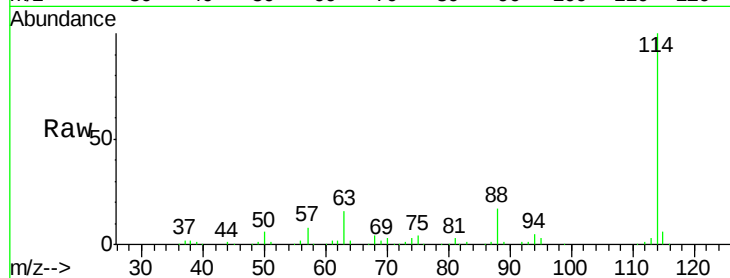
Tot Ion:114 Resp: 734385

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

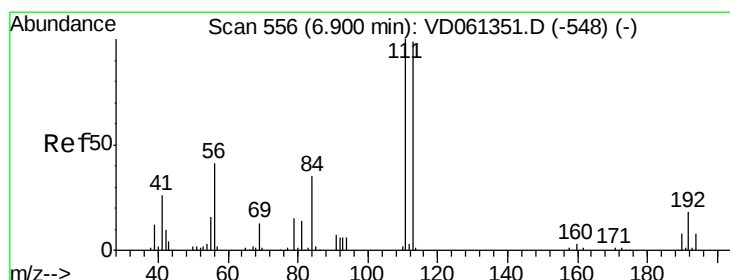
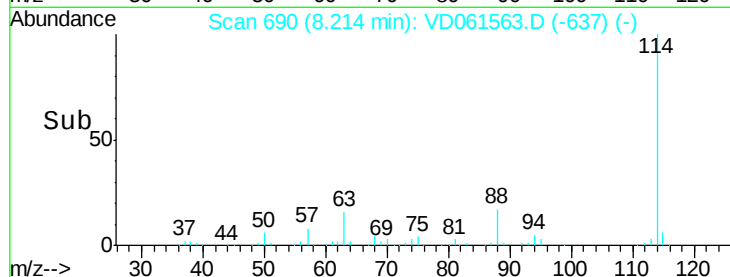
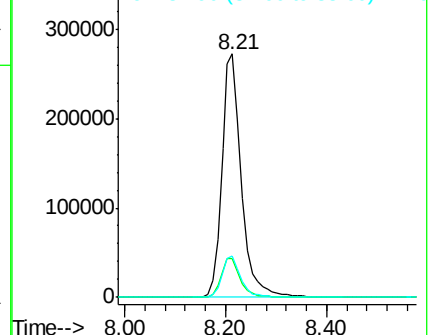
88 16.9 0.0 33.4



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

RT: 6.91 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

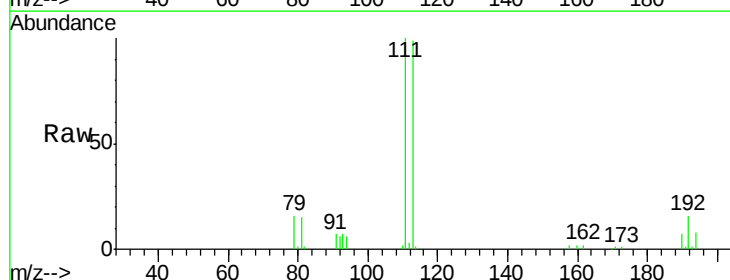
Tgt Ion:113 Resp: 264703

Ion Ratio Lower Upper

113 100

111 100.5 81.0 121.6

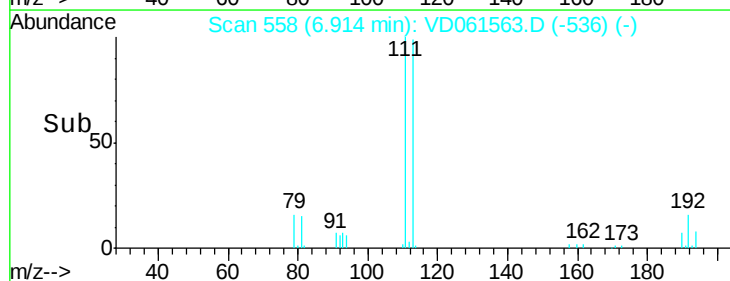
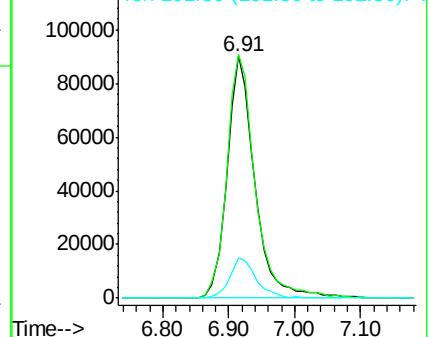
192 16.4 14.4 21.6

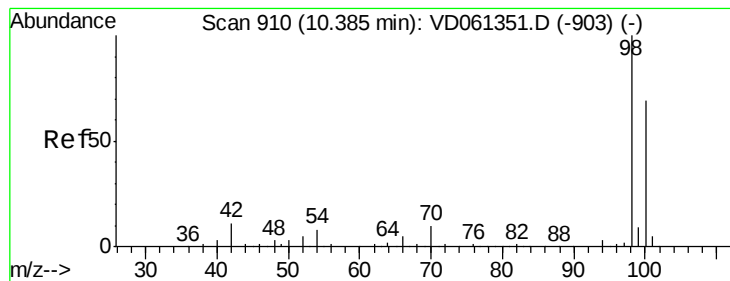


Abundance Ion 112.90 (112.60 to 113.60): V

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: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

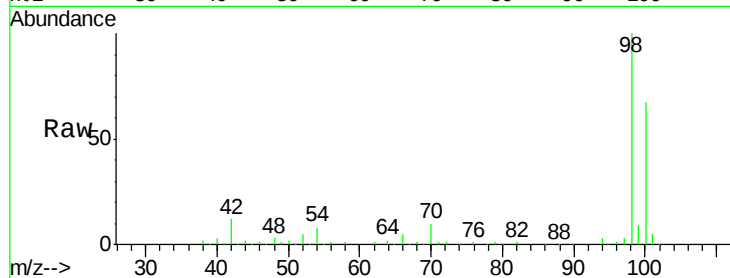
Instrument :
MSVOA_D
ClientSampled :
E-5

Tot Ion: 98 Resp: 577830

Ion Ratio Lower Upper

98 100

100 67.4 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

10.41

250000

200000

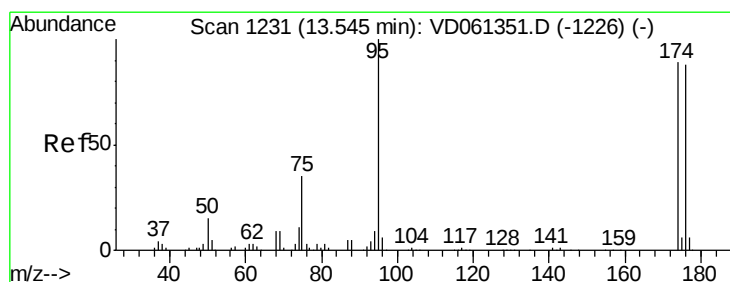
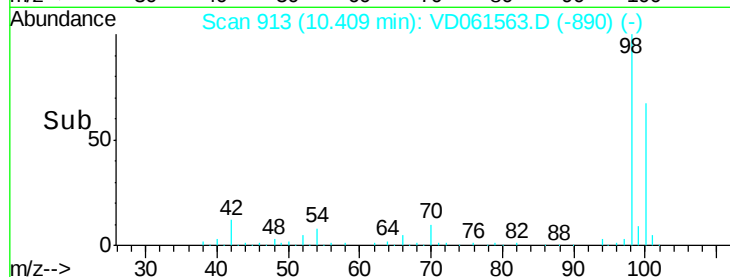
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

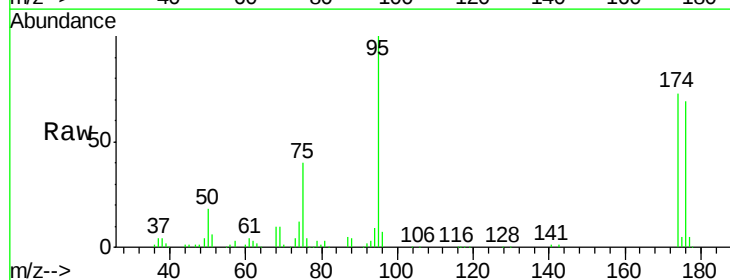
Tgt Ion: 95 Resp: 216517

Ion Ratio Lower Upper

95 100

174 73.1 0.0 178.0

176 68.7 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

13.55

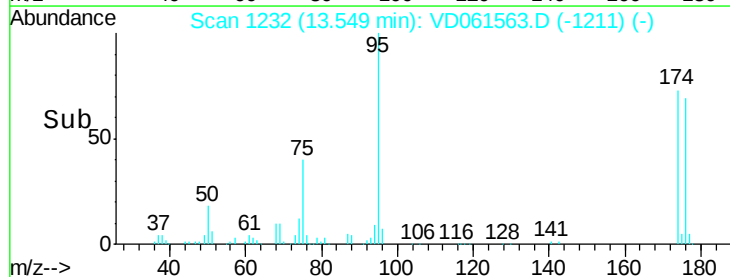
150000

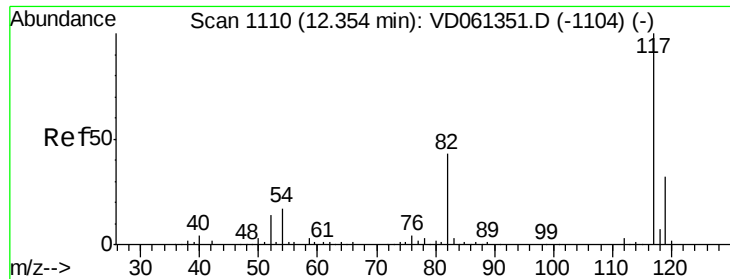
100000

50000

0

Time-->

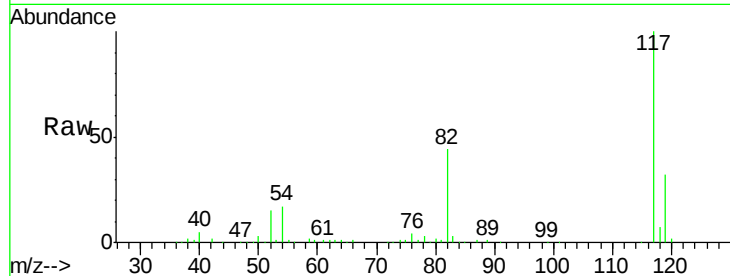




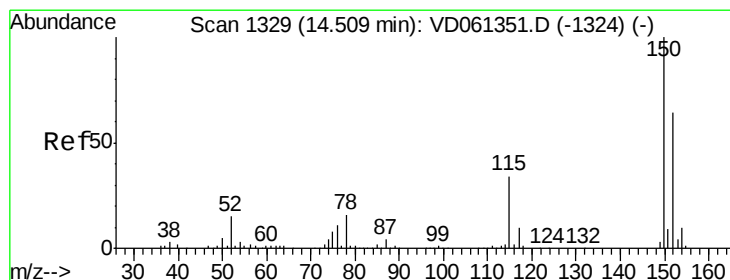
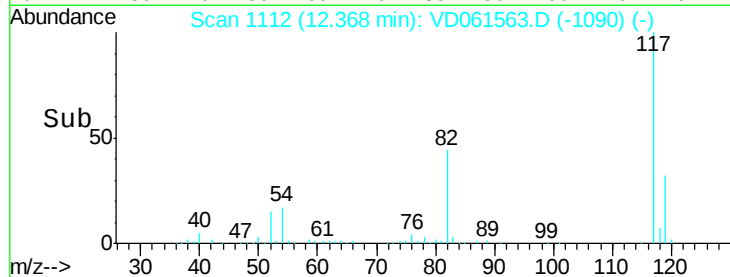
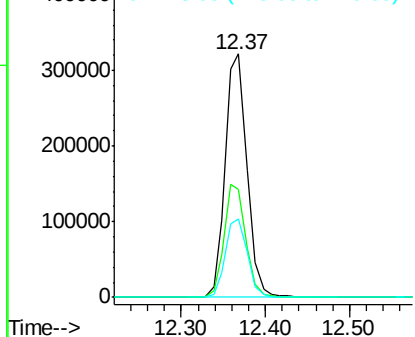
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061563.D
Acq: 3 Apr 2019 18:47

Instrument :
MSVOA_D
ClientSampleId :
E-5

Tot Ion:117 Resp: 577546
Ion Ratio Lower Upper
117 100
82 44.1 34.4 51.6
119 32.1 25.8 38.6

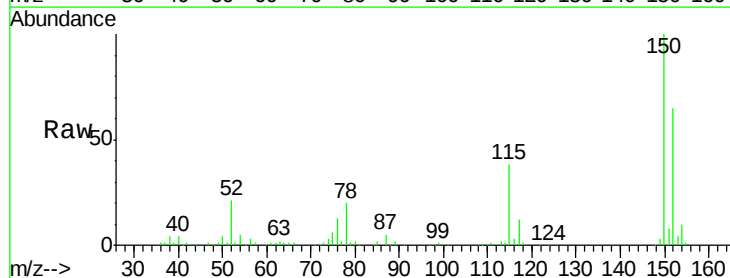


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061563.D
Acq: 3 Apr 2019 18:47

Tgt Ion:152 Resp: 255602
Ion Ratio Lower Upper
152 100
115 59.1 26.9 80.6
150 154.7 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

