

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061541.D
 Acq On : 3 Apr 2019 6:24
 Operator : VA/AP
 Sample : K2190-01
 Misc : 5.18g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VN-SP-1

Quant Time: Apr 03 08:47:25 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

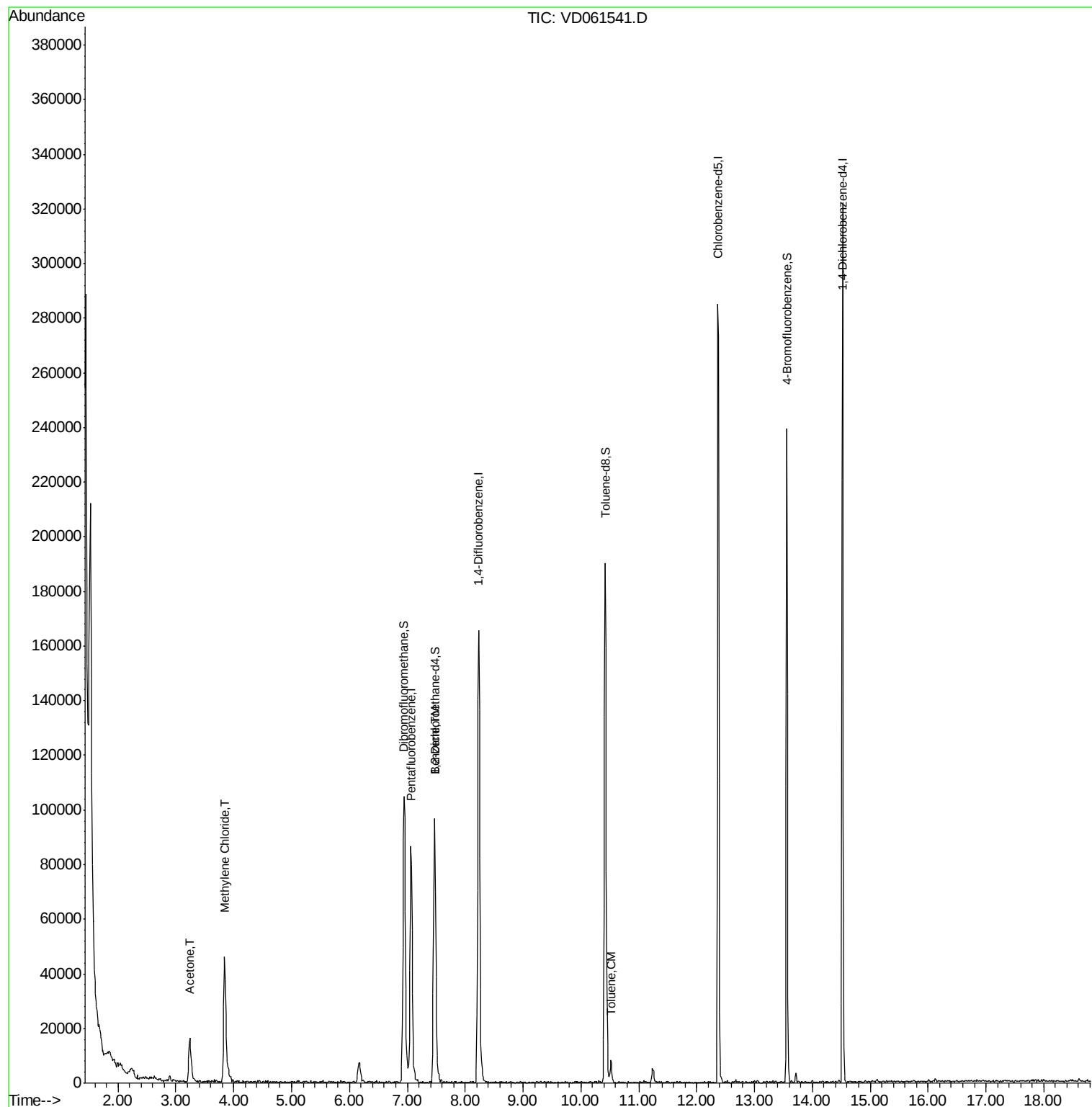
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	93948	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	202759	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	188476	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	72185	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	91915	114.53	ug/l	0.04
Spiked Amount 50.000			Recovery	=	229.06%	
35) Dibromofluoromethane	6.94	113	101659	65.61	ug/l	0.04
Spiked Amount 50.000			Recovery	=	131.22%	
50) Toluene-d8	10.42	98	167080	44.96	ug/l	0.03
Spiked Amount 50.000			Recovery	=	89.92%	
62) 4-Bromofluorobenzene	13.56	95	72338	50.76	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.52%	
Target Compounds						
16) Acetone	3.24	43	33892	164.280	ug/l	97
20) Methylene Chloride	3.84	84	38116	32.301	ug/l	96
40) Benzene	7.48	78	11284	2.541	ug/l	94
52) Toluene	10.52	92	5170	1.908	ug/l	76

(#) = 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# 573

Delta R.T. 0.04 min

Lab File: VD061541.D

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Instrument :

MSVOA_D

ClientSampleId :

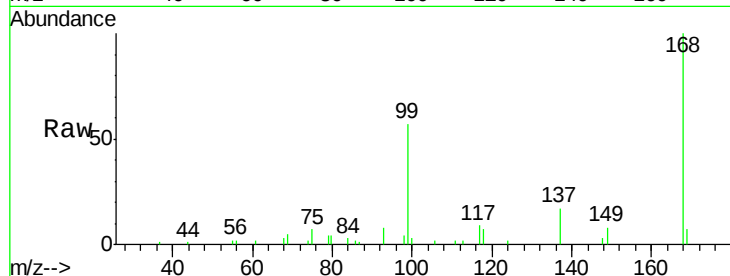
VN-SP-1

Tot Ion:168 Resp: 93948

Ion Ratio Lower Upper

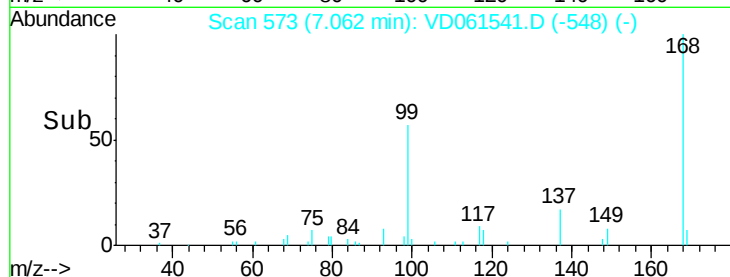
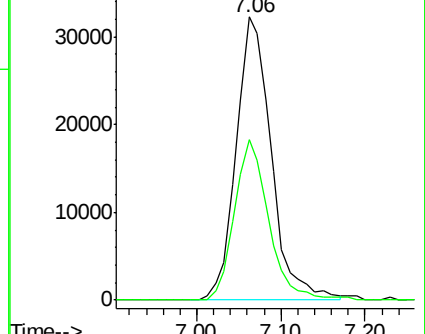
168 100

99 56.8 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: 164.280 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061541.D

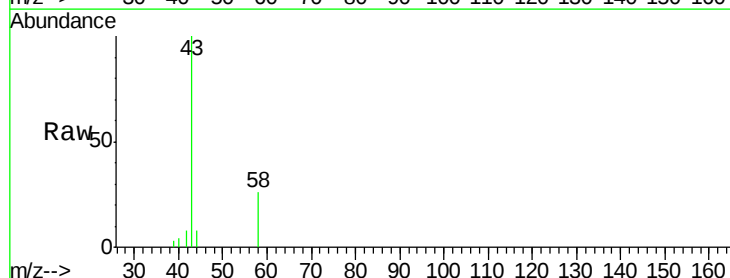
Acq: 3 Apr 2019 6:24

Tgt Ion: 43 Resp: 33892

Ion Ratio Lower Upper

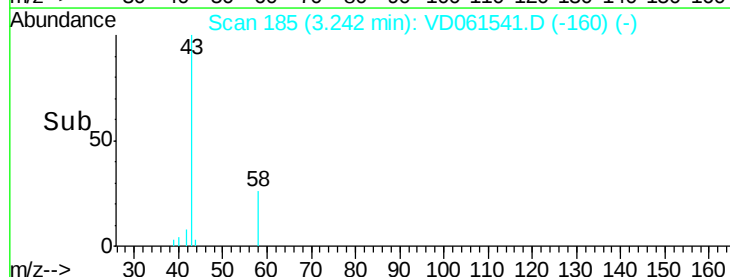
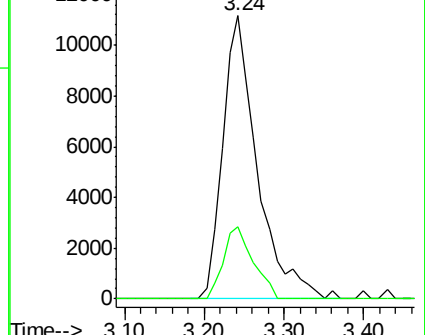
43 100

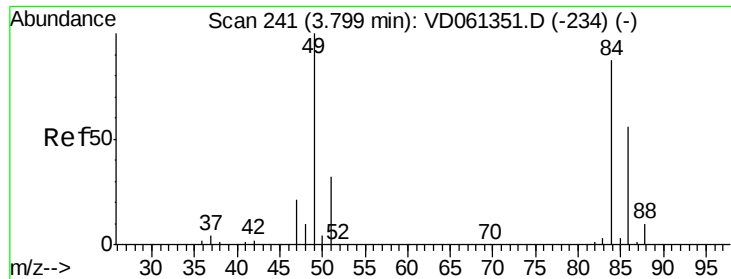
58 25.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

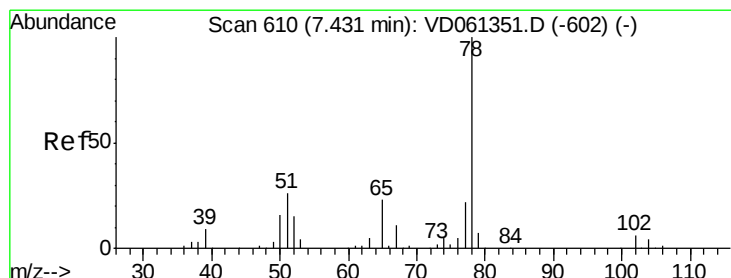
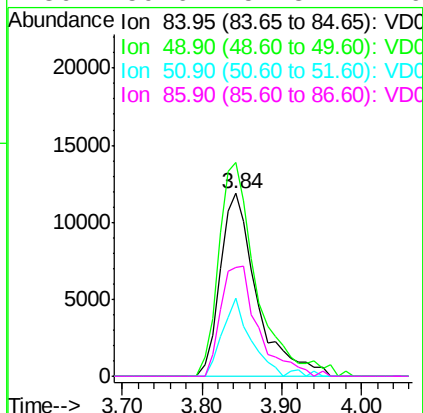
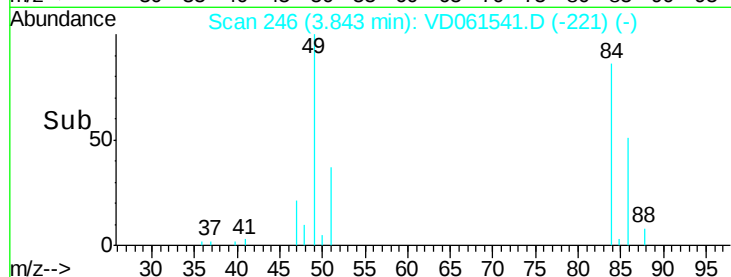
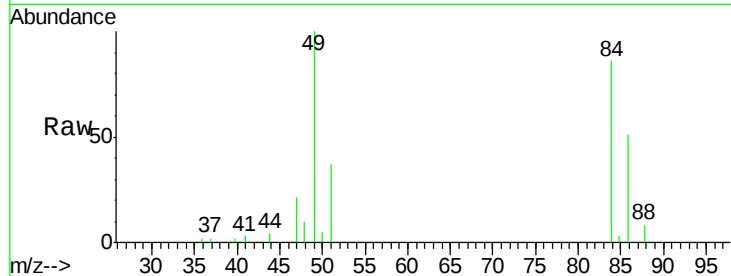




#20
Methylene Chloride
Concen: 32.301 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061541.D
Acq: 3 Apr 2019 6:24

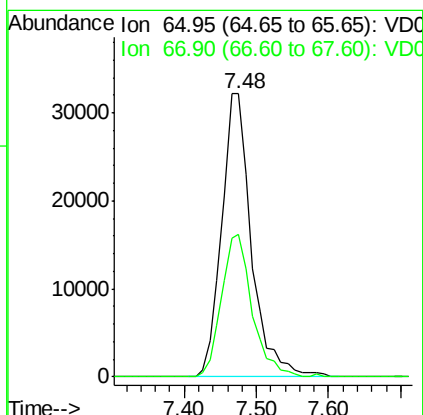
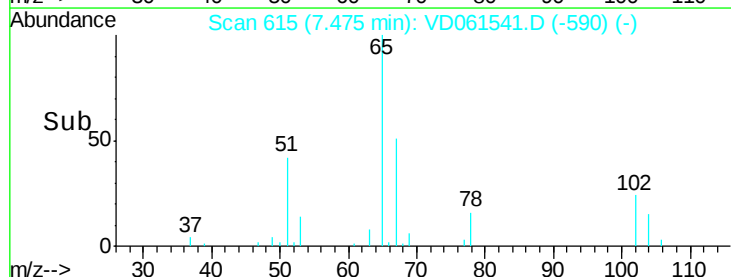
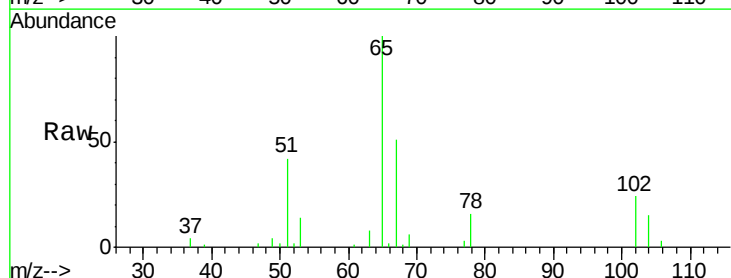
Instrument :
MSVOA_D
ClientSampleId :
VN-SP-1

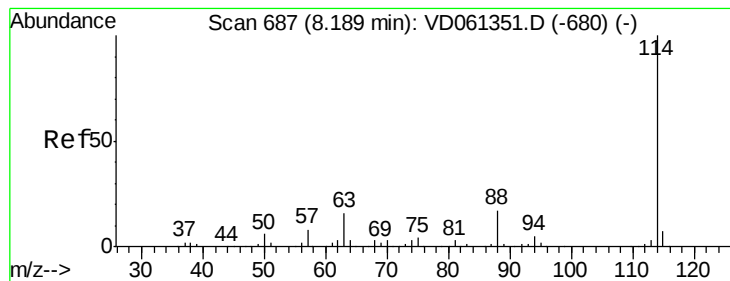
Tot Ion: 84 Resp: 38116
Ion Ratio Lower Upper
84 100
49 116.7 91.8 137.8
51 42.6 29.8 44.8
86 59.6 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD061541.D
Acq: 3 Apr 2019 6:24

Tgt Ion: 65 Resp: 91915
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-1

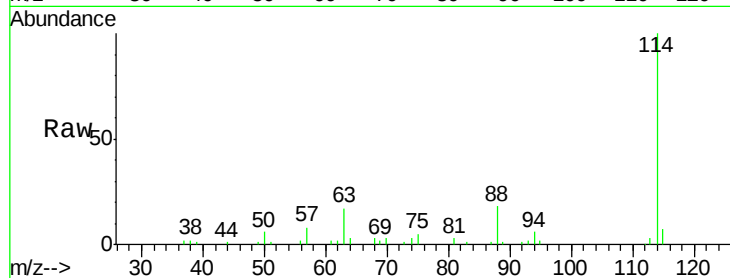
Tot Ion:114 Resp: 202759

Ion Ratio Lower Upper

114 100

63 17.1 0.0 31.6

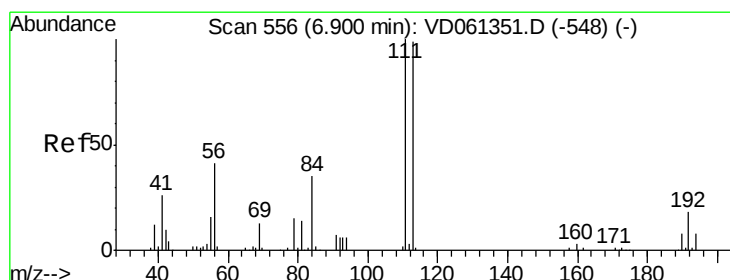
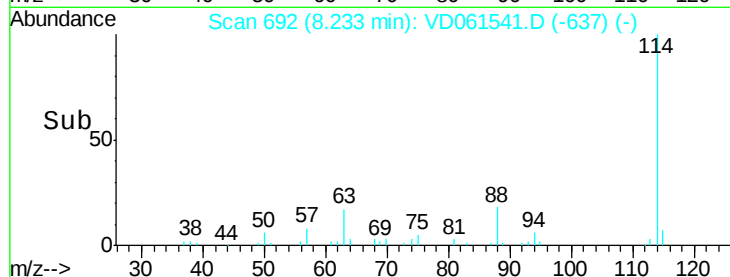
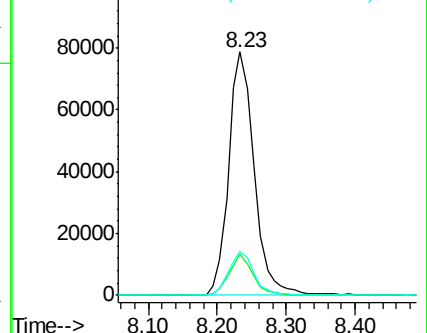
88 17.9 0.0 33.4



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



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

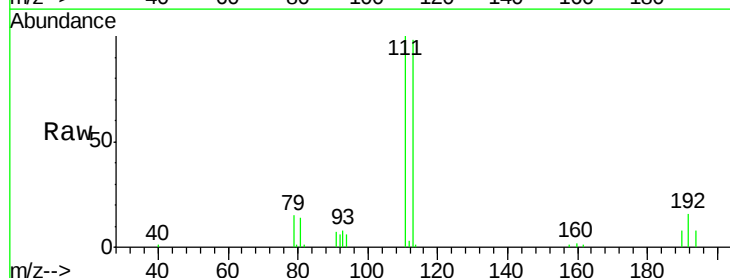
Tgt Ion:113 Resp: 101659

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

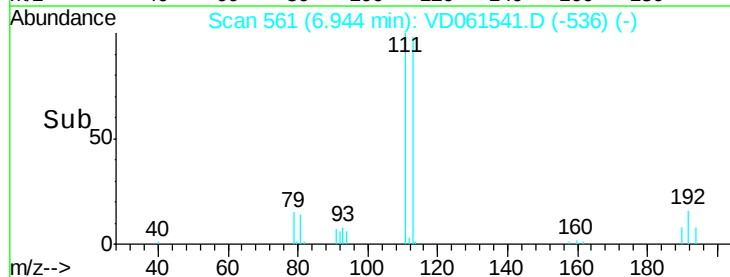
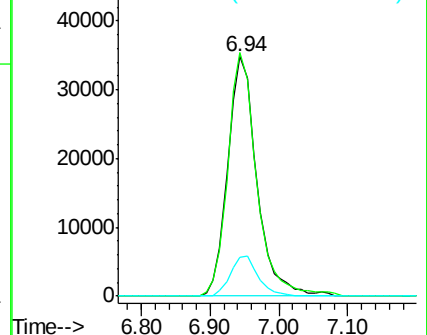
192 16.5 14.4 21.6

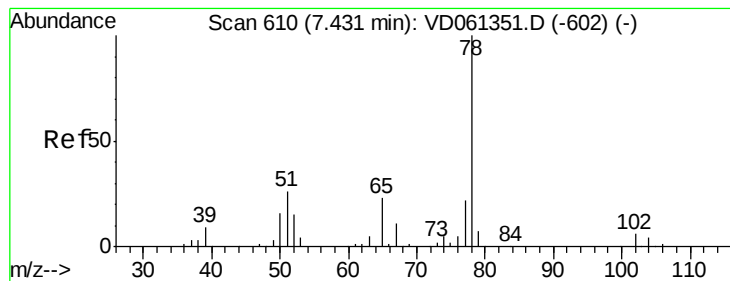


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 2.541 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

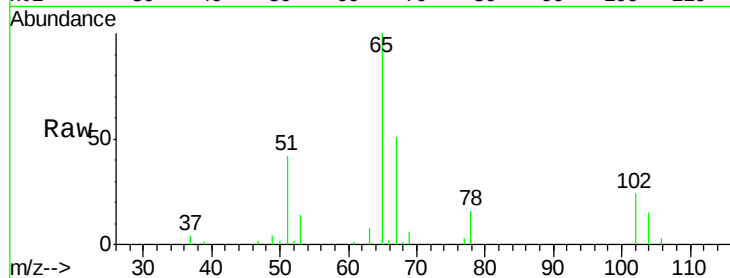
VN-SP-1

Tot Ion: 78 Resp: 11284

Ion Ratio Lower Upper

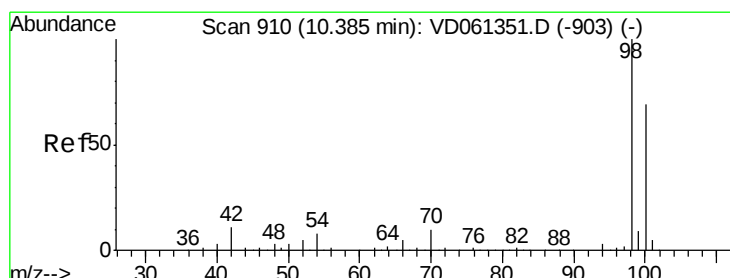
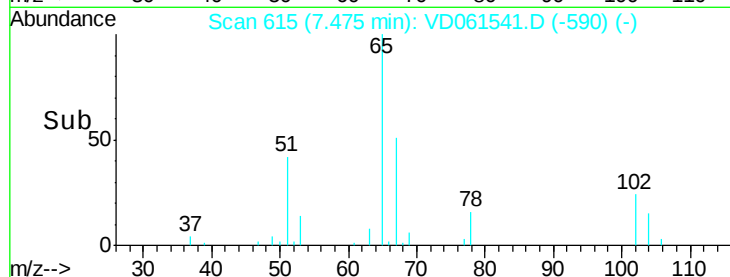
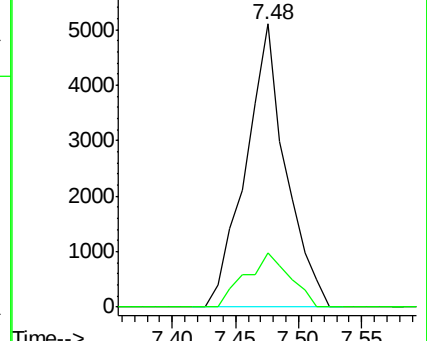
78 100

77 19.1 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061541.D

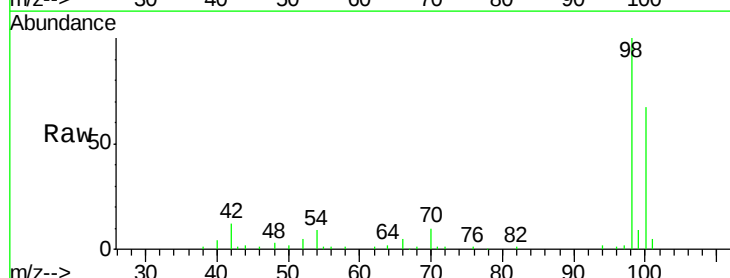
Acq: 3 Apr 2019 6:24

Tgt Ion: 98 Resp: 167080

Ion Ratio Lower Upper

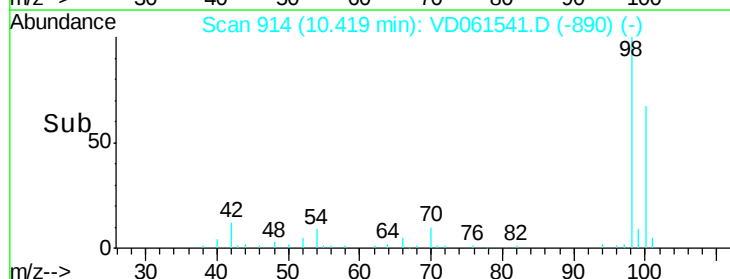
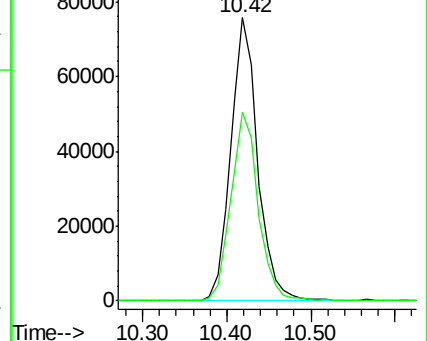
98 100

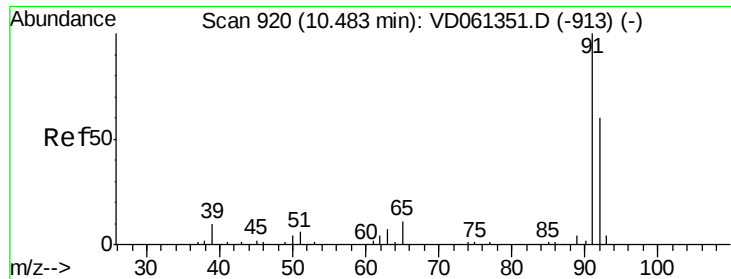
100 66.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.908 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

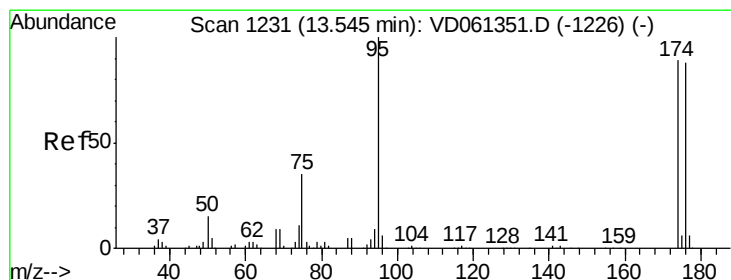
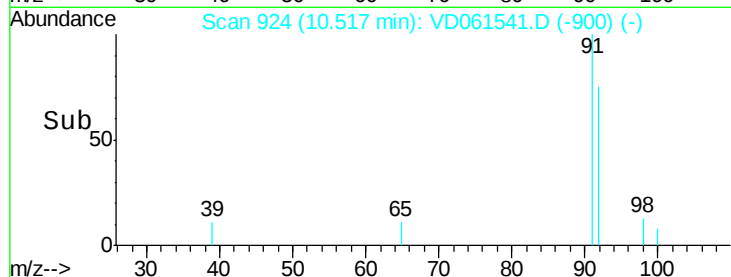
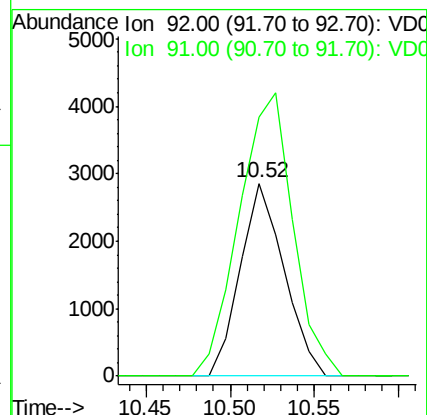
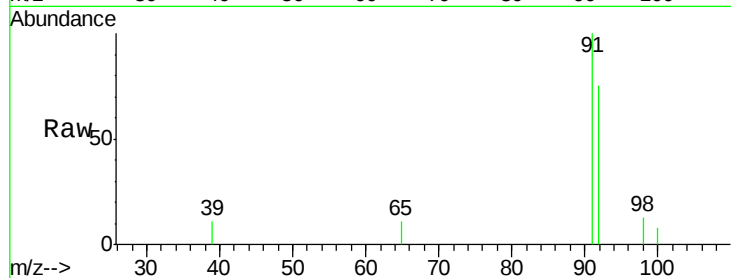
VN-SP-1

Tot Ion: 92 Resp: 5170

Ion Ratio Lower Upper

92 100

91 134.0 133.3 199.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

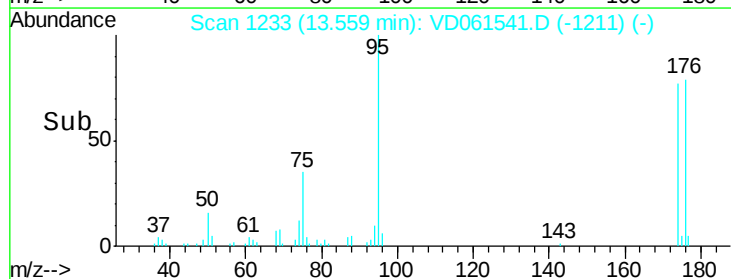
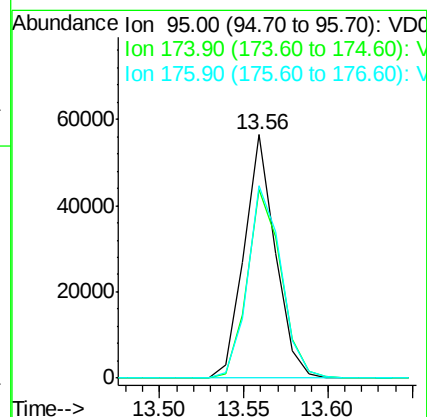
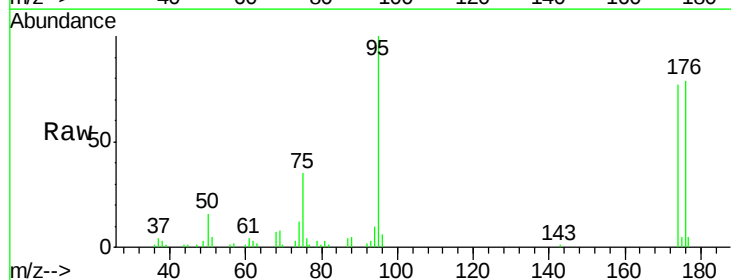
Tgt Ion: 95 Resp: 72338

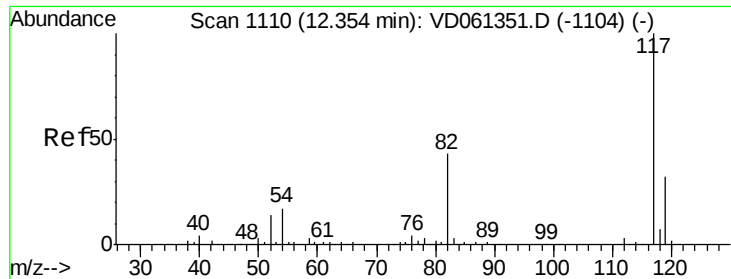
Ion Ratio Lower Upper

95 100

174 77.2 0.0 178.0

176 78.9 0.0 175.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-1

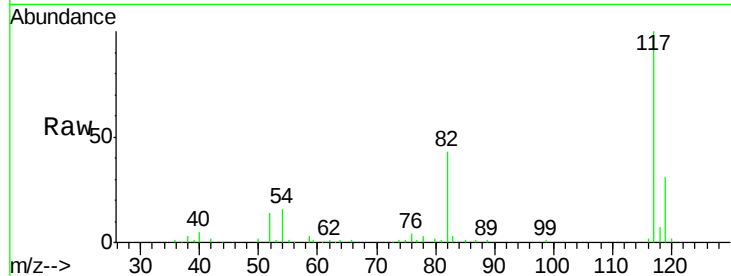
Tot Ion:117 Resp: 188476

Ion Ratio Lower Upper

117 100

82 42.8 34.4 51.6

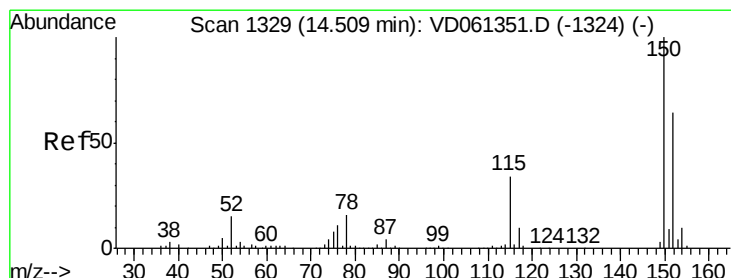
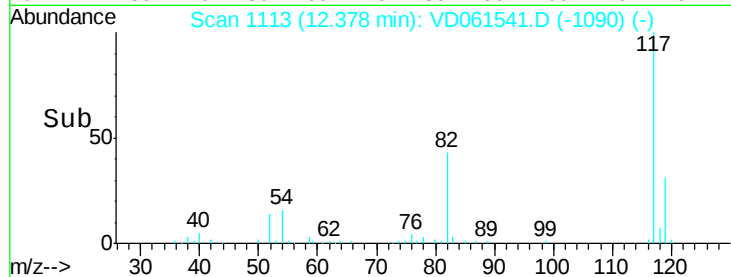
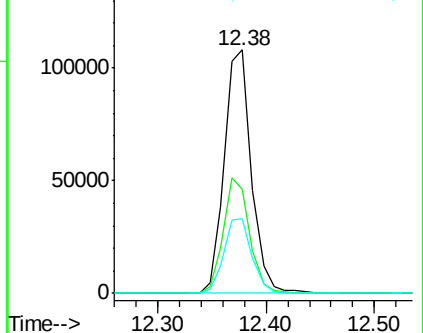
119 30.9 25.8 38.6



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

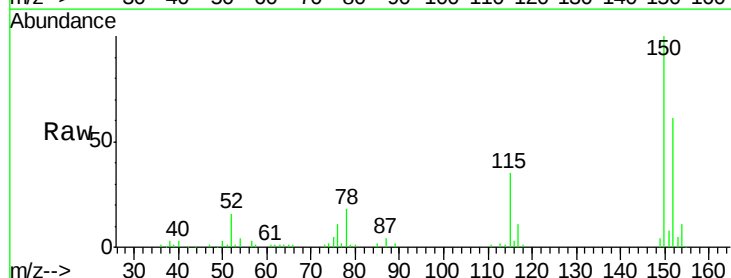
Tgt Ion:152 Resp: 72185

Ion Ratio Lower Upper

152 100

115 57.4 26.9 80.6

150 164.3 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

