

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061542.D
 Acq On : 3 Apr 2019 6:52
 Operator : VA/AP
 Sample : K2190-04
 Misc : 4.96g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VN-SP-2

Quant Time: Apr 03 08:50:48 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

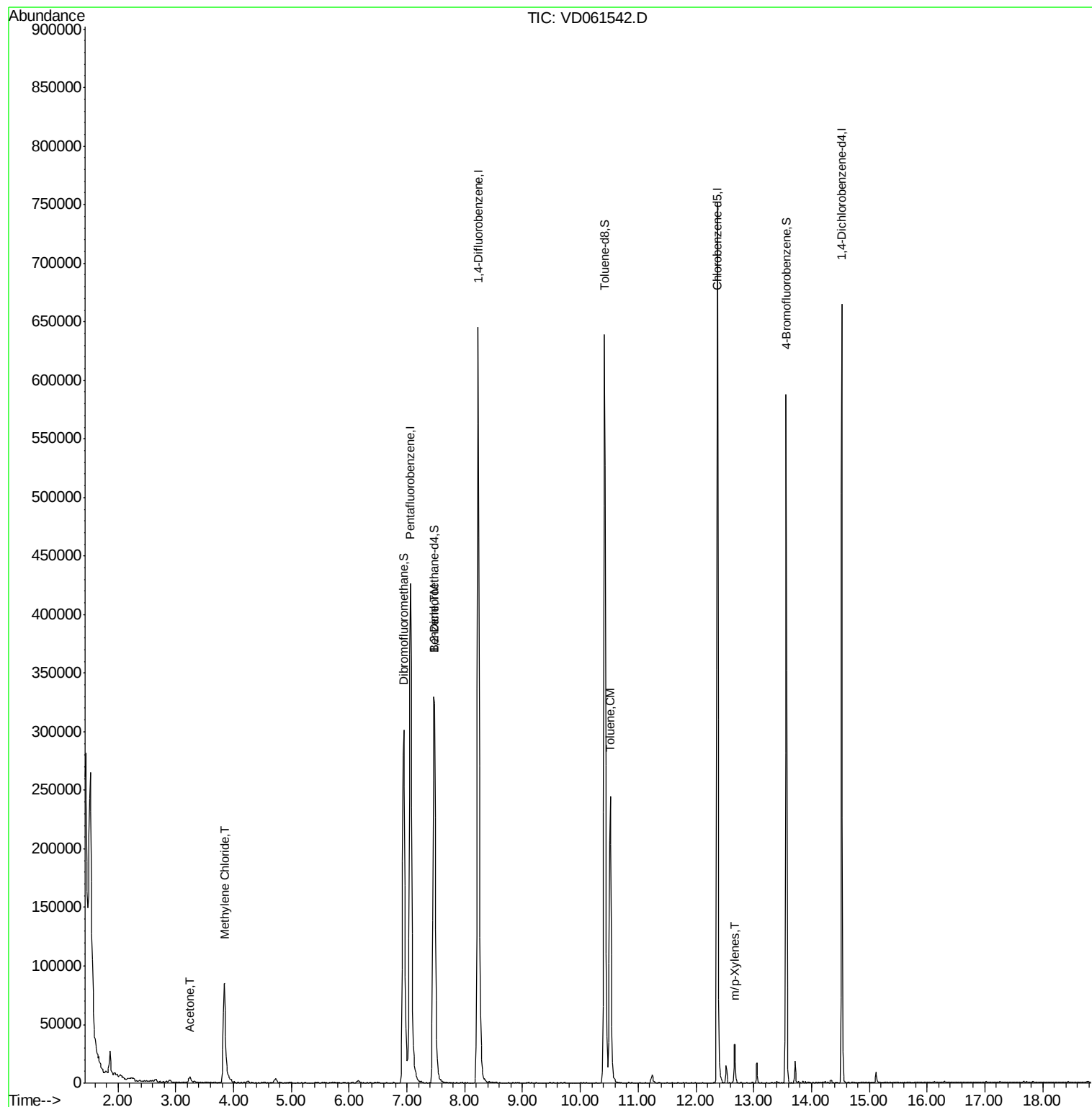
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	432338	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	771255	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	513631	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	157547	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	210137	56.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	113.80%	
35) Dibromofluoromethane	6.94	113	304649	51.69	ug/l	0.04
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	10.42	98	559950	39.61	ug/l	0.03
Spiked Amount 50.000			Recovery	=	79.22%	
62) 4-Bromofluorobenzene	13.56	95	179636	33.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	66.28%	
Target Compounds						
16) Acetone	3.24	43	12380	13.040	ug/l #	80
20) Methylene Chloride	3.84	84	66873	11.079	ug/l	97
40) Benzene	7.47	78	186128	11.018	ug/l	98
52) Toluene	10.52	92	145169	14.085	ug/l	99
68) m/p-Xylenes	12.67	106	11830	1.949	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

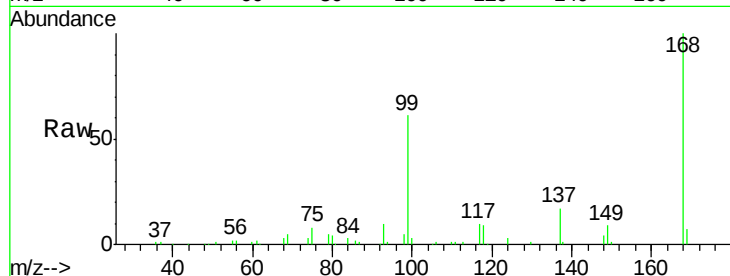
VN-SP-2

Tot Ion:168 Resp: 432338

Ion Ratio Lower Upper

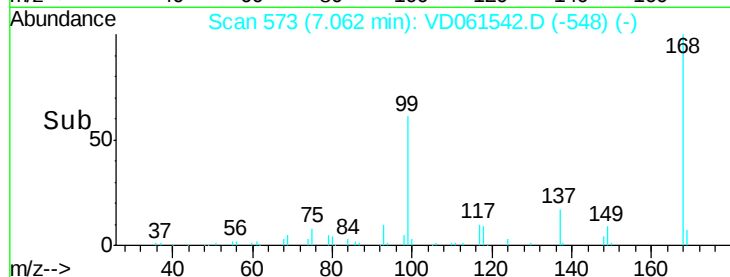
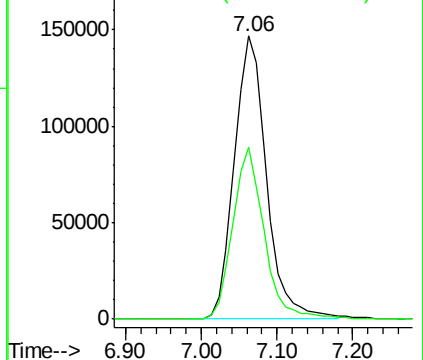
168 100

99 60.7 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: 13.040 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061542.D

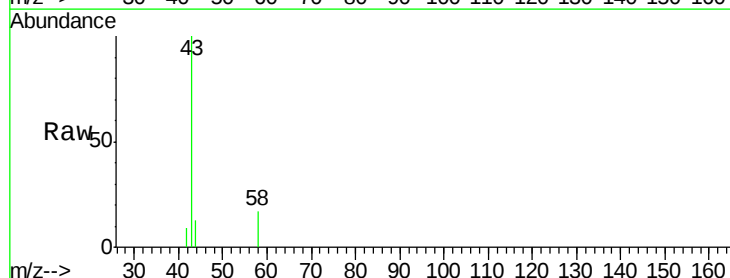
Acq: 3 Apr 2019 6:52

Tgt Ion: 43 Resp: 12380

Ion Ratio Lower Upper

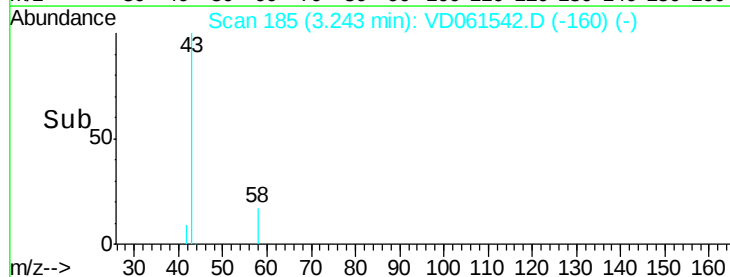
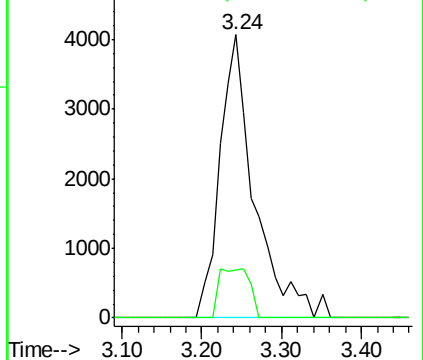
43 100

58 16.8 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: 11.079 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-2

Tot Ion: 84 Resp: 66873

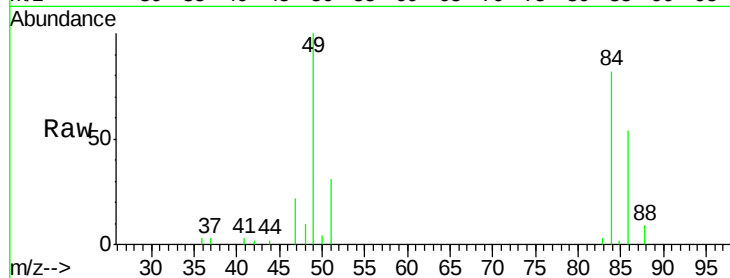
Ion Ratio Lower Upper

84 100

49 121.3 91.8 137.8

51 37.3 29.8 44.8

86 65.1 51.8 77.6

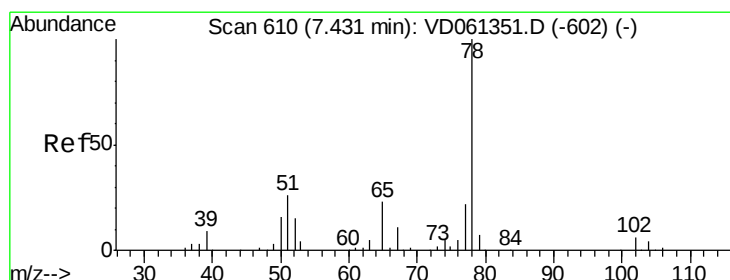
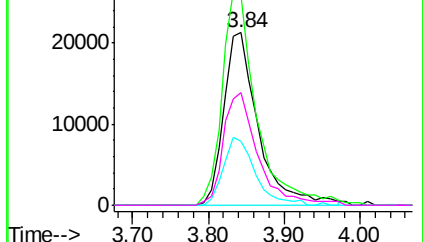
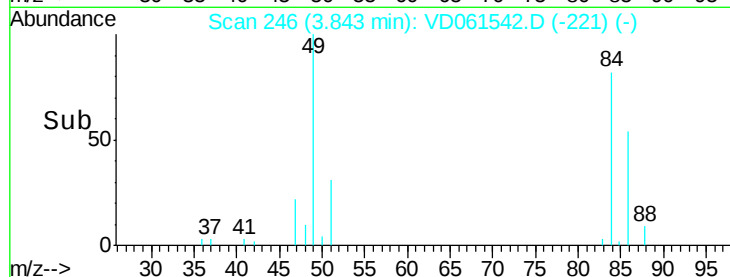


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061542.D

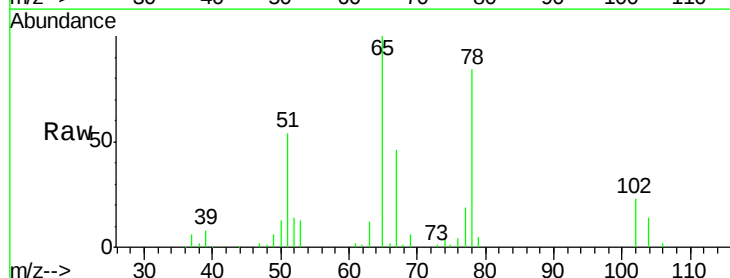
Acq: 3 Apr 2019 6:52

Tgt Ion: 65 Resp: 210137

Ion Ratio Lower Upper

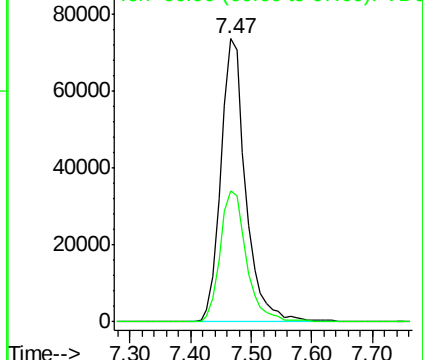
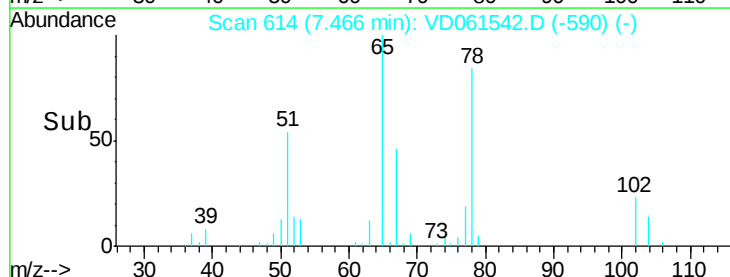
65 100

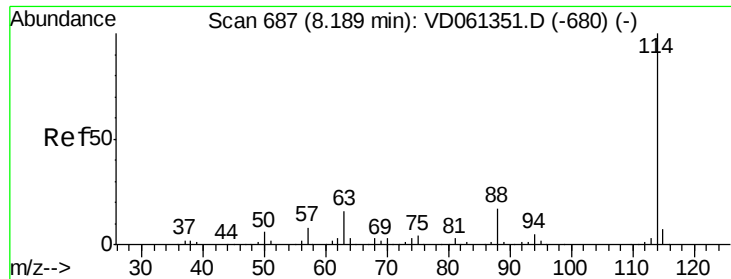
67 46.4 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

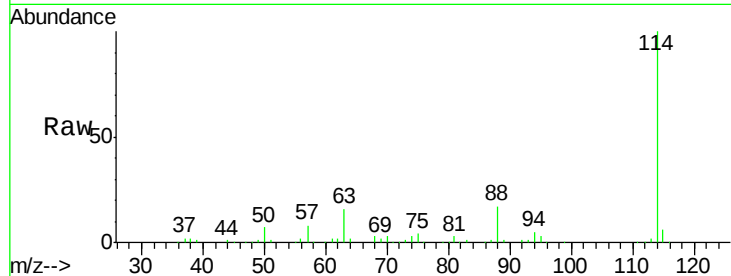




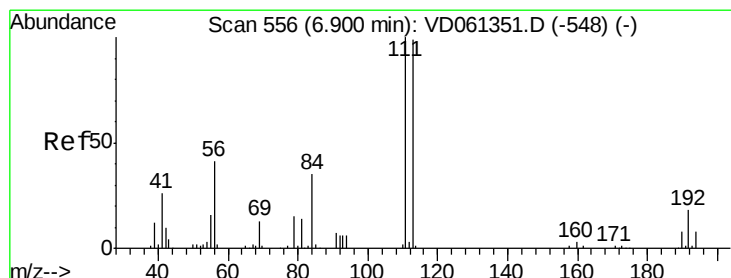
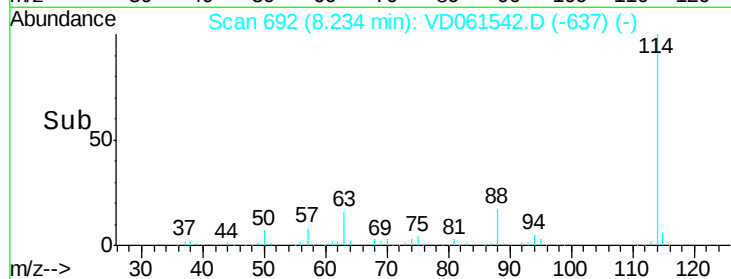
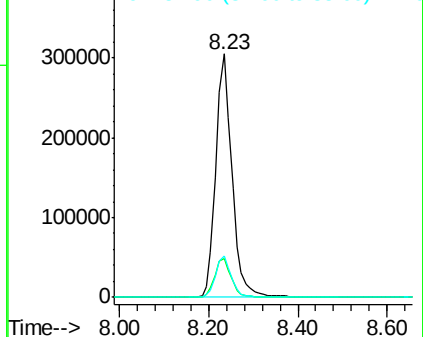
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD061542.D
 Acq: 3 Apr 2019 6:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VN-SP-2

Tot Ion:114 Resp: 771255
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 17.1 0.0 33.4

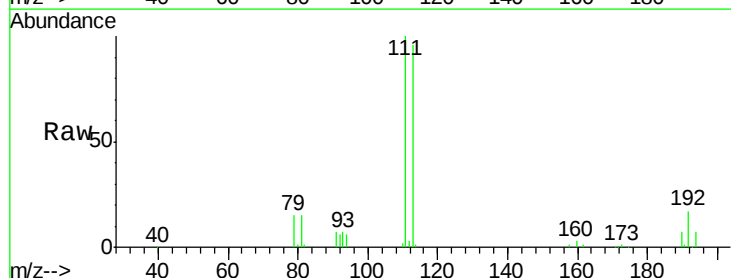


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

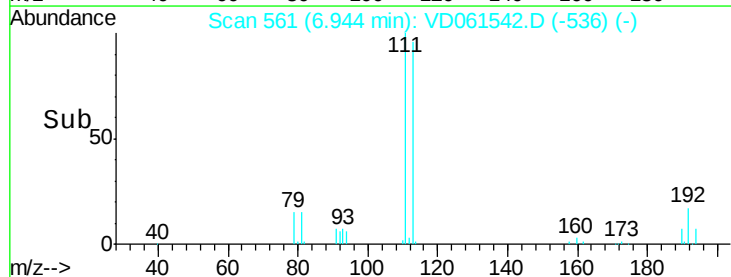
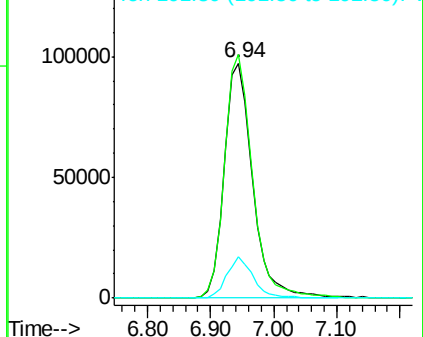


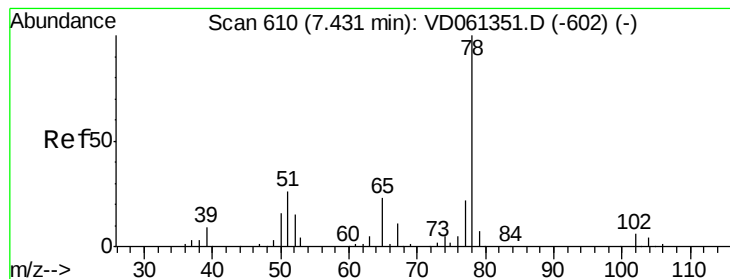
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD061542.D
 Acq: 3 Apr 2019 6:52

Tgt Ion:113 Resp: 304649
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.0 121.6
 192 17.7 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: 11.018 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

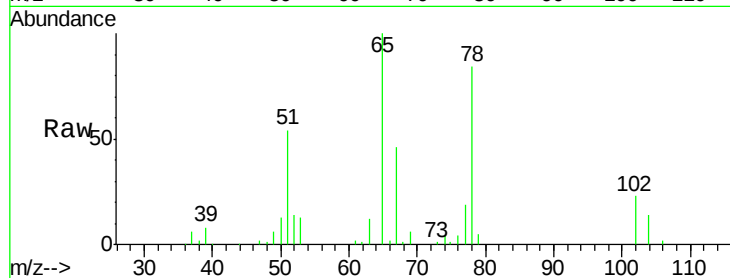
VN-SP-2

Tot Ion: 78 Resp: 186128

Ion Ratio Lower Upper

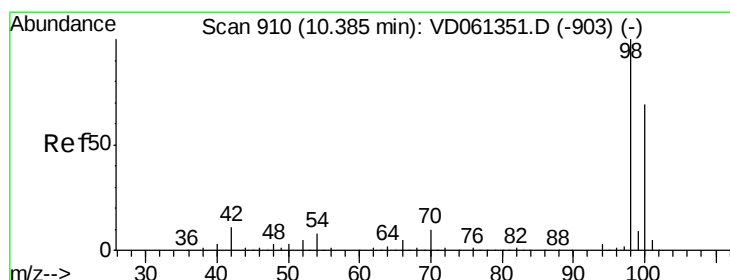
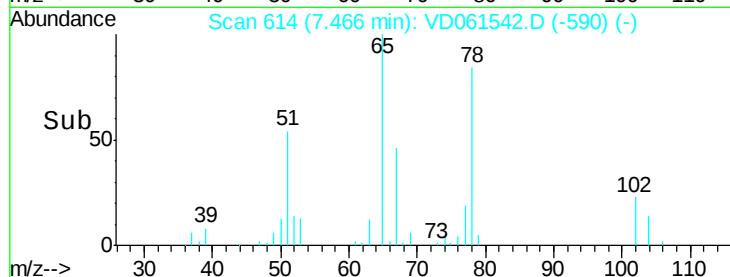
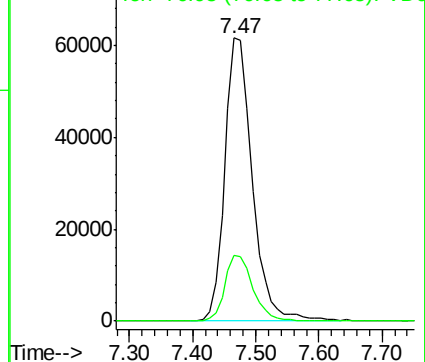
78 100

77 23.3 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: VD061542.D

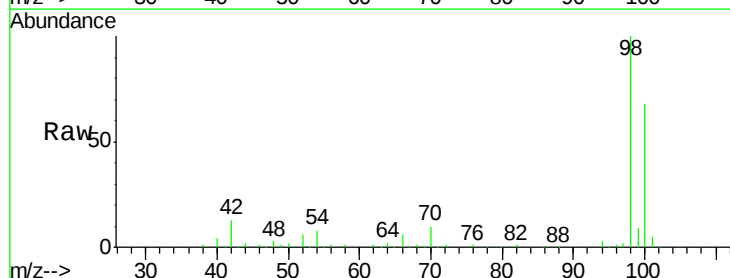
Acq: 3 Apr 2019 6:52

Tgt Ion: 98 Resp: 559950

Ion Ratio Lower Upper

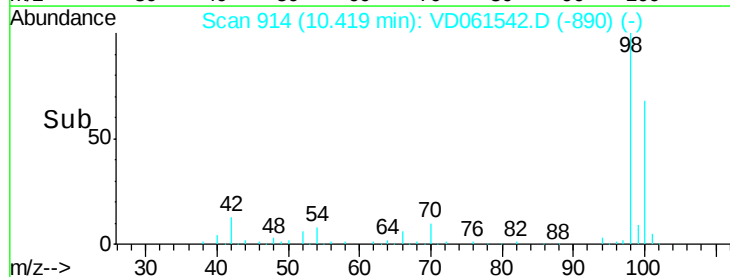
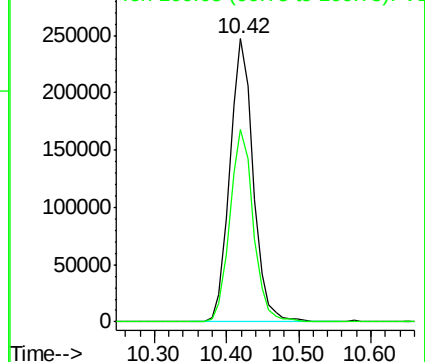
98 100

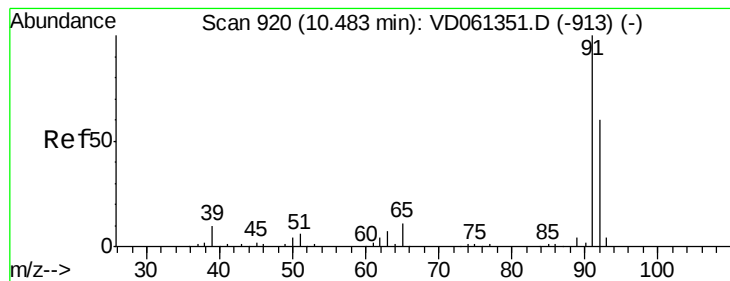
100 67.9 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 14.085 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

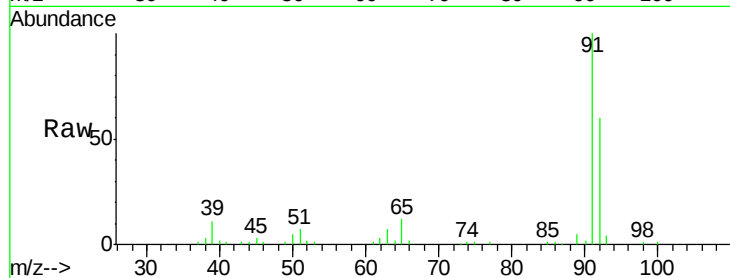
VN-SP-2

Tot Ion: 92 Resp: 145169

Ion Ratio Lower Upper

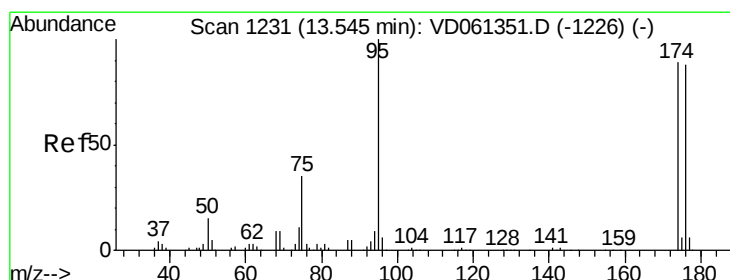
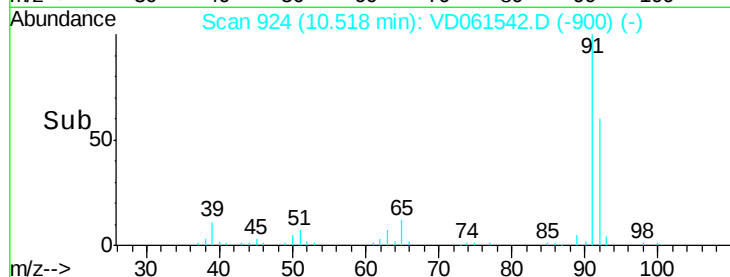
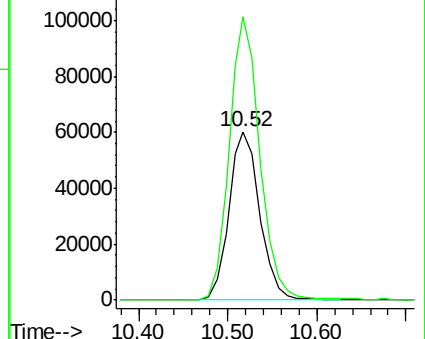
92 100

91 167.9 133.3 199.9



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

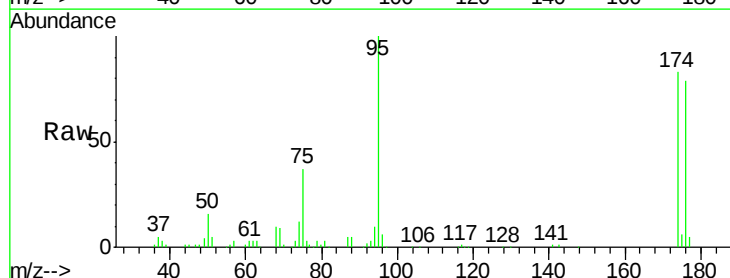
Tgt Ion: 95 Resp: 179636

Ion Ratio Lower Upper

95 100

174 83.3 0.0 178.0

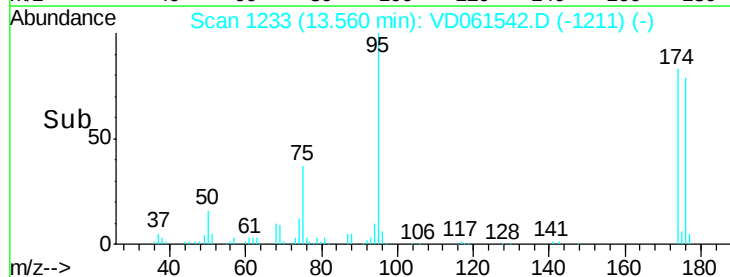
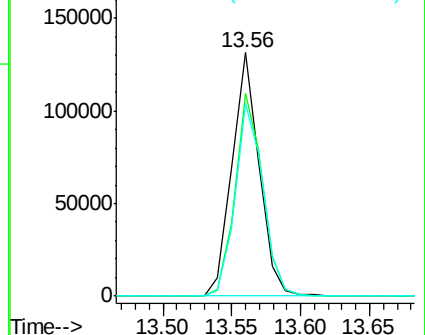
176 79.0 0.0 175.0

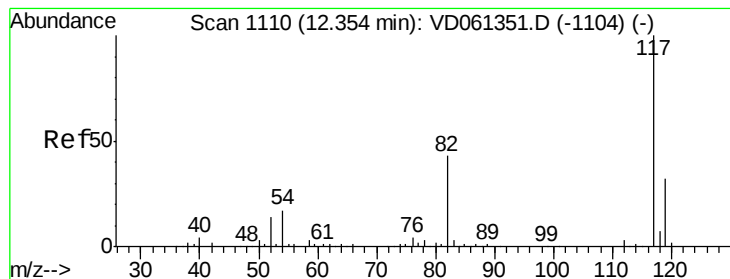


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-2

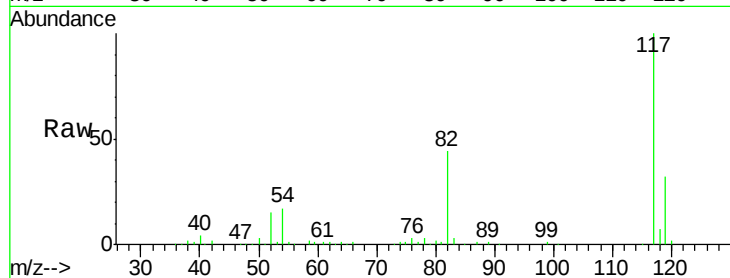
Tot Ion:117 Resp: 513631

Ion Ratio Lower Upper

117 100

82 44.3 34.4 51.6

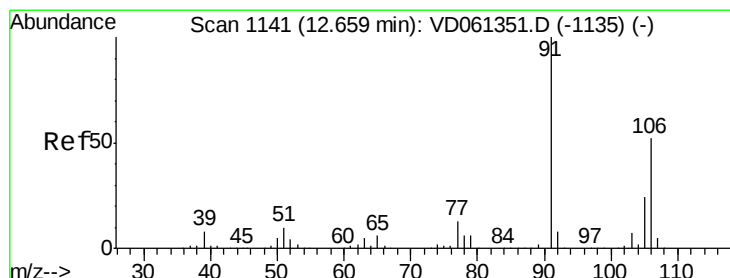
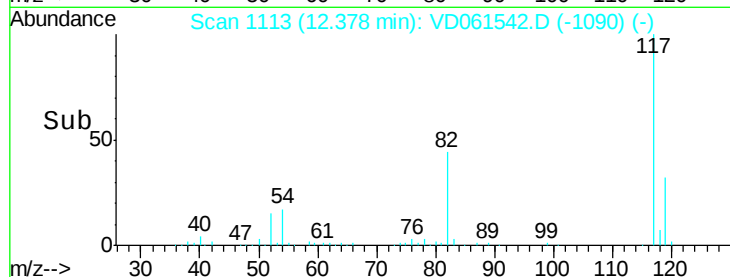
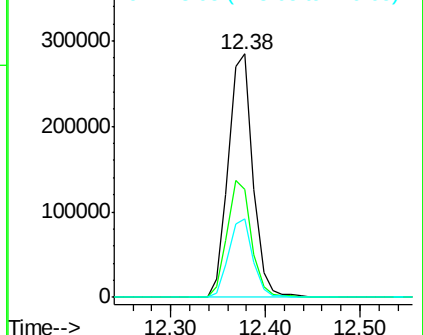
119 32.5 25.8 38.6



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



#68

m/p-Xylenes

Concen: 1.949 ug/l

RT: 12.67 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD061542.D

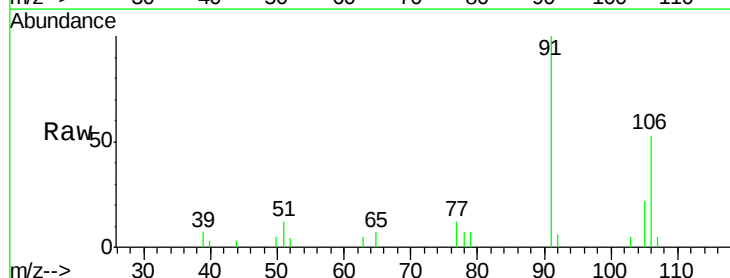
Acq: 3 Apr 2019 6:52

Tgt Ion:106 Resp: 11830

Ion Ratio Lower Upper

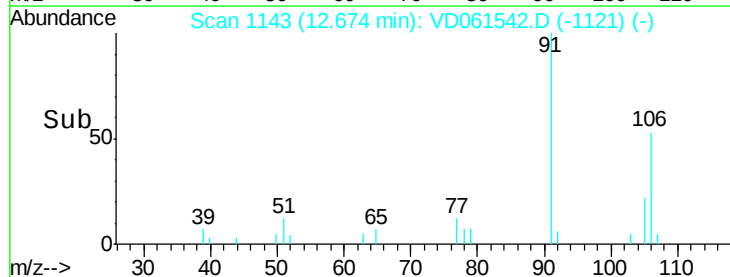
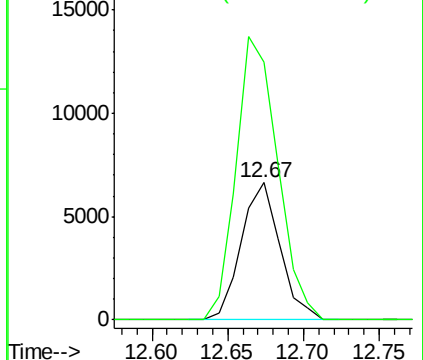
106 100

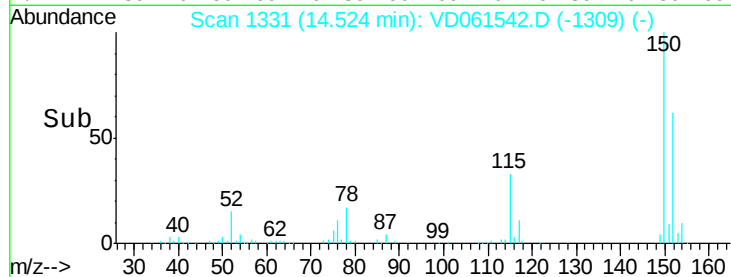
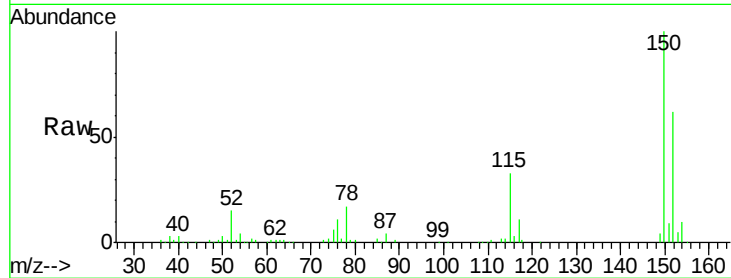
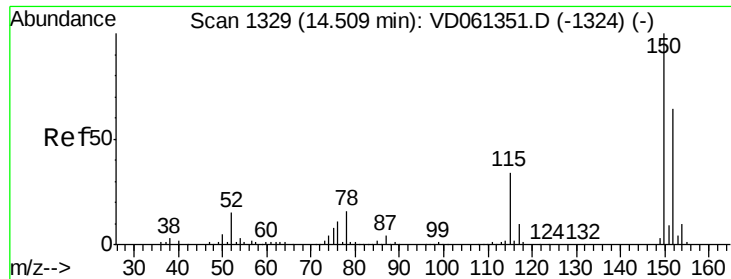
91 188.4 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): 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: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-2

Tot Ion:152 Resp: 157547

Ion Ratio Lower Upper

152 100

115 53.6 26.9 80.6

150 161.5 0.0 318.0

