

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061549.D
 Acq On : 3 Apr 2019 10:09
 Operator : VA/AP
 Sample : K2219-02
 Misc : 5.66g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-3-COMP

Quant Time: Apr 04 01:12:48 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

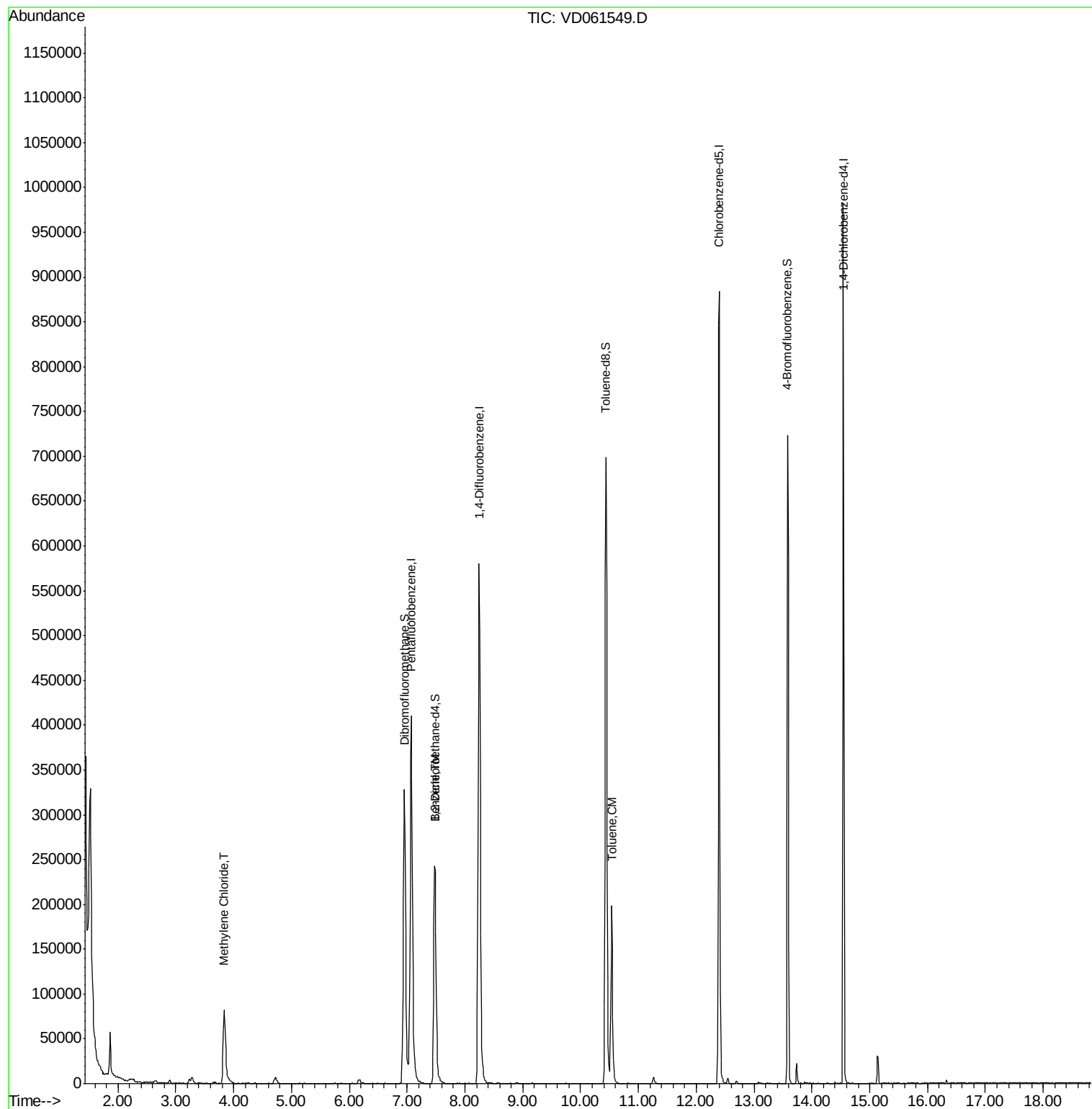
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	409204	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	712801	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.40	117	561081	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	210362	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	238283	68.17	ug/l	0.04
Spiked Amount 50.000			Recovery	=	136.34%	
35) Dibromofluoromethane	6.95	113	316125	58.04	ug/l	0.05
Spiked Amount 50.000			Recovery	=	116.08%	
50) Toluene-d8	10.44	98	597026	45.70	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	13.58	95	234984	46.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	93.80%	
Target Compounds						
20) Methylene Chloride	3.83	84	63787	11.181	ug/l	91
40) Benzene	7.49	78	25502	1.633	ug/l	100
52) Toluene	10.54	92	105997	11.128	ug/l	91

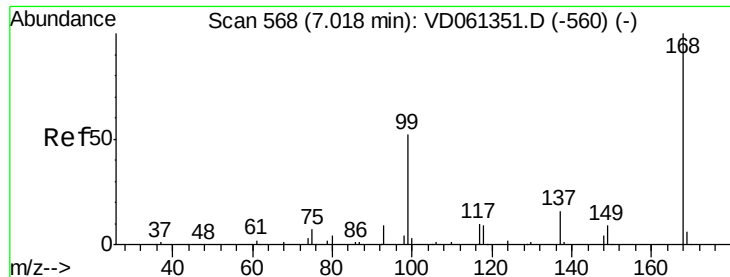
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

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ClientSampleId :

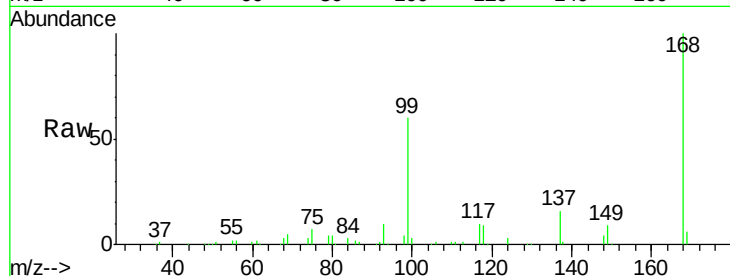
TP-2-3-COMP

Tot Ion:168 Resp: 409204

Ion Ratio Lower Upper

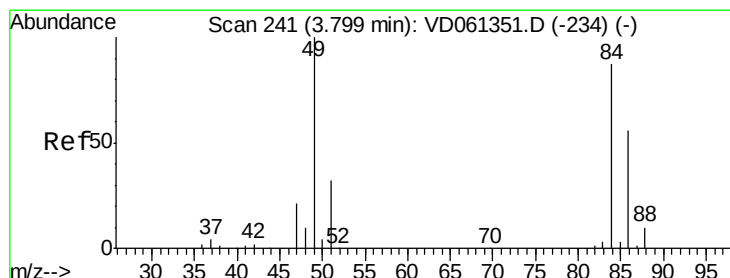
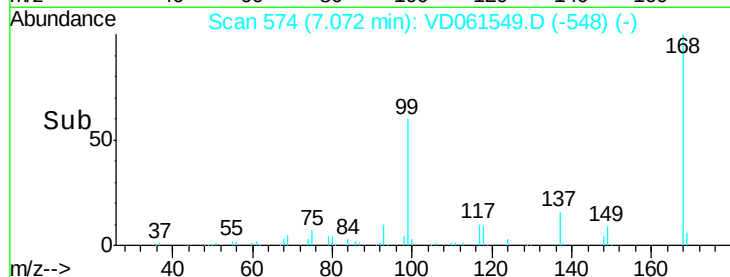
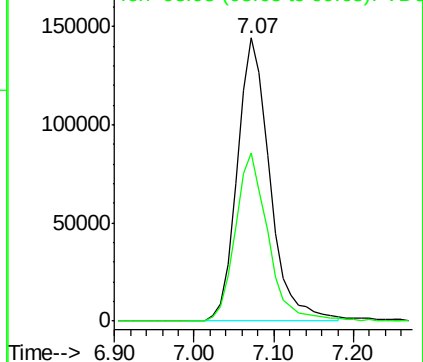
168 100

99 59.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 11.181 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Tgt Ion: 84 Resp: 63787

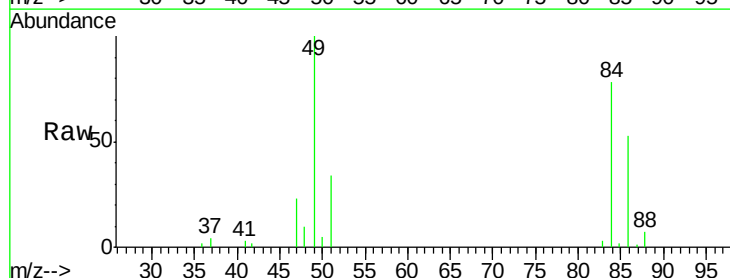
Ion Ratio Lower Upper

84 100

49 127.5 91.8 137.8

51 42.9 29.8 44.8

86 68.0 51.8 77.6

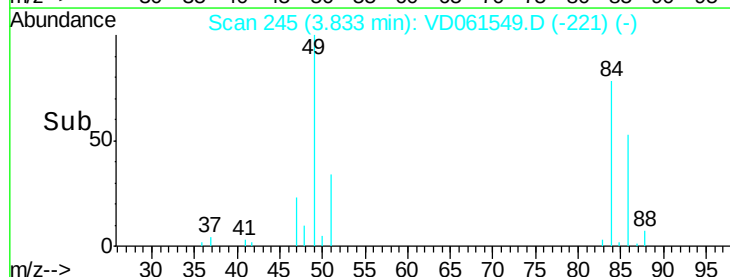
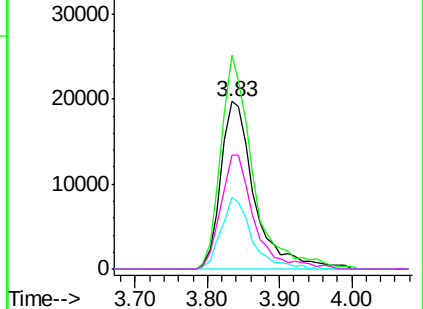


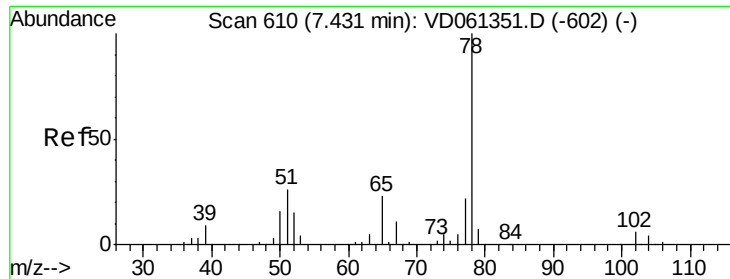
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

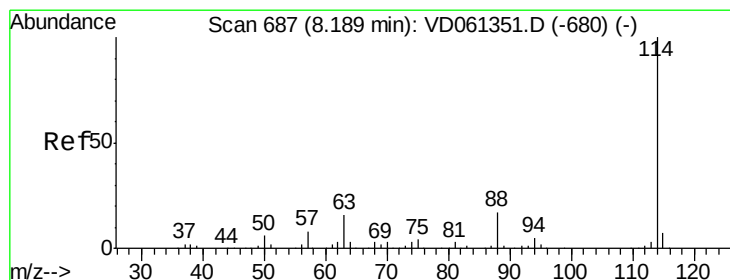
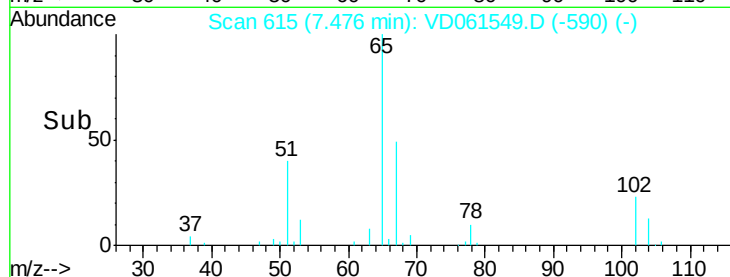
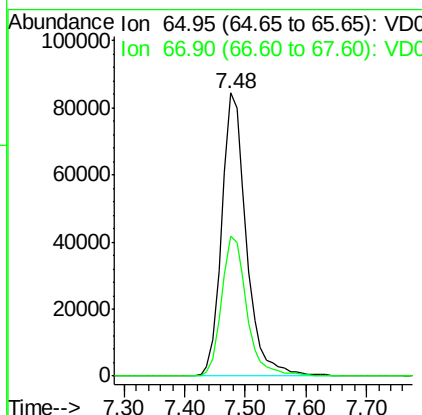
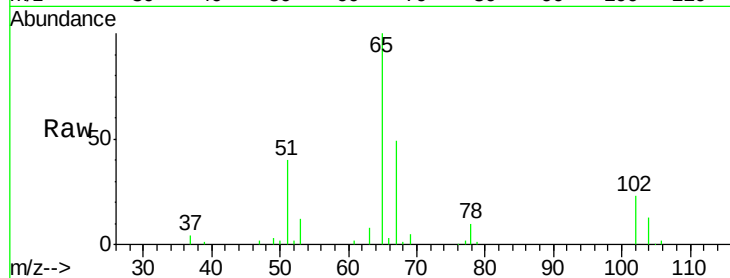




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.04 min
 Lab File: VD061549.D
 Acq: 3 Apr 2019 10:09

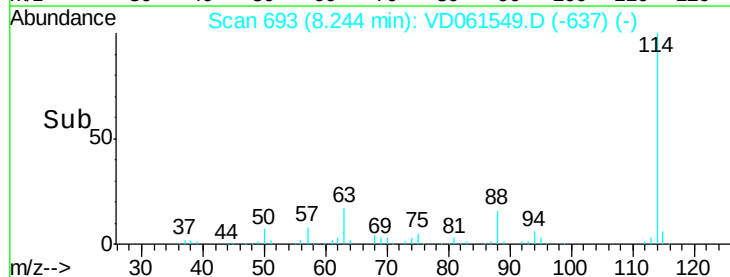
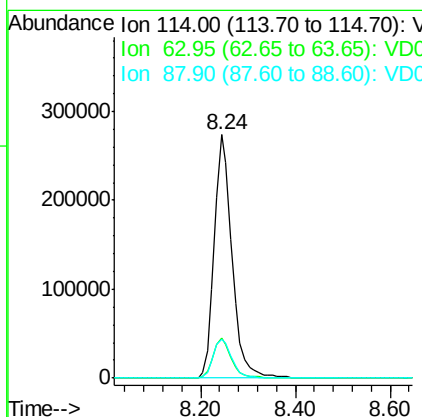
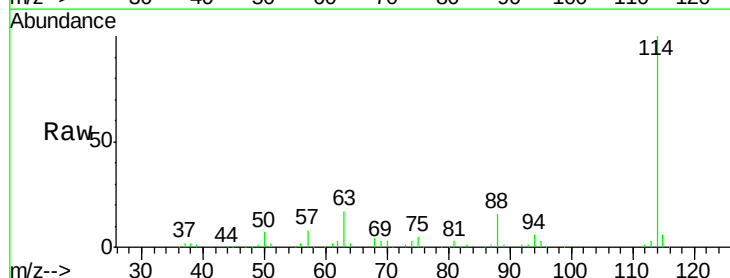
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-3-COMP

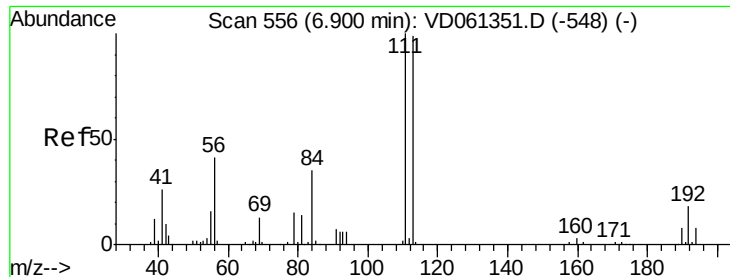
Tot Ion: 65 Resp: 238283
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: VD061549.D
 Acq: 3 Apr 2019 10:09

Tgt Ion: 114 Resp: 712801
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 31.6
 88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.05 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

TP-2-3-COMP

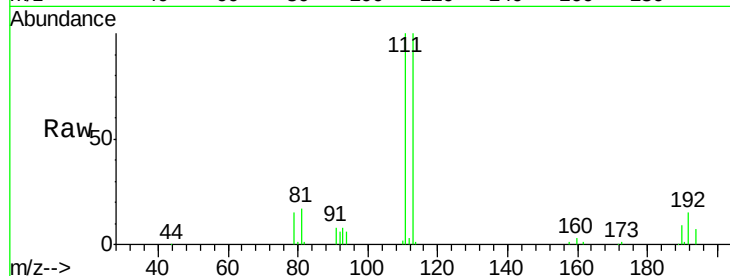
Tot Ion:113 Resp: 316125

Ion Ratio Lower Upper

113 100

111 99.9 81.0 121.6

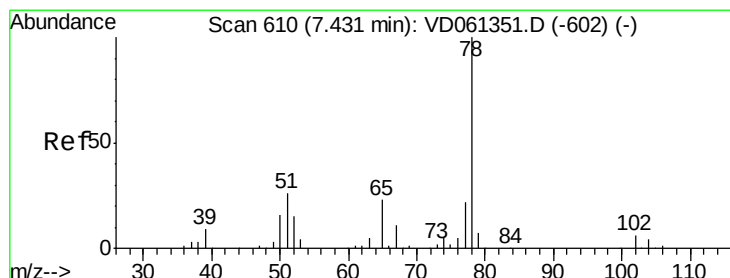
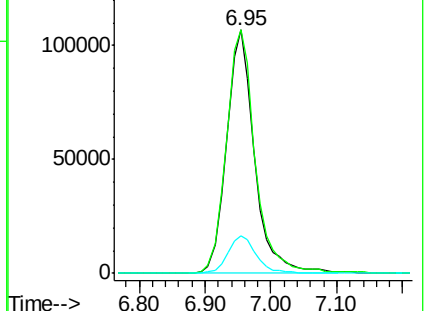
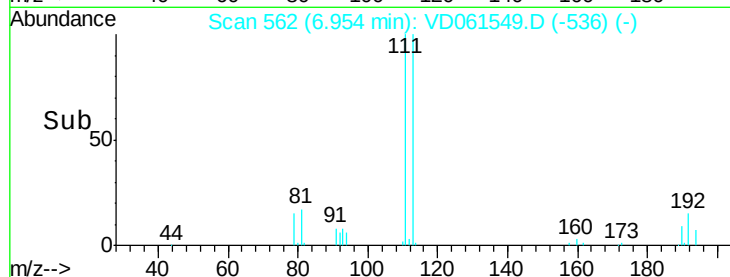
192 15.3 14.4 21.6



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: 1.633 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.05 min

Lab File: VD061549.D

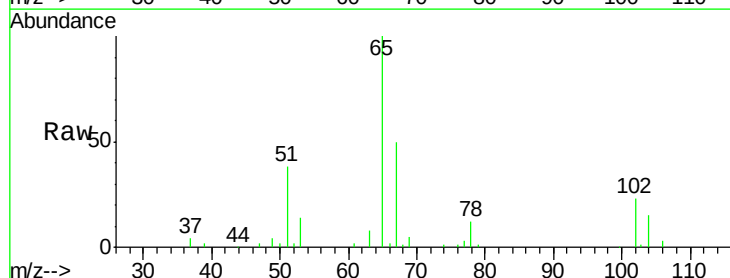
Acq: 3 Apr 2019 10:09

Tgt Ion: 78 Resp: 25502

Ion Ratio Lower Upper

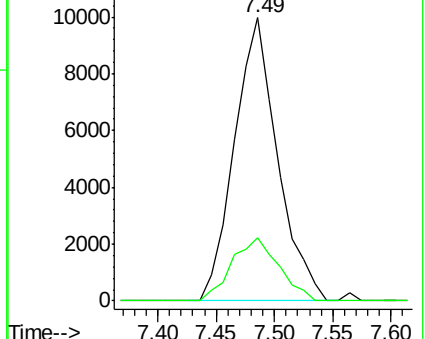
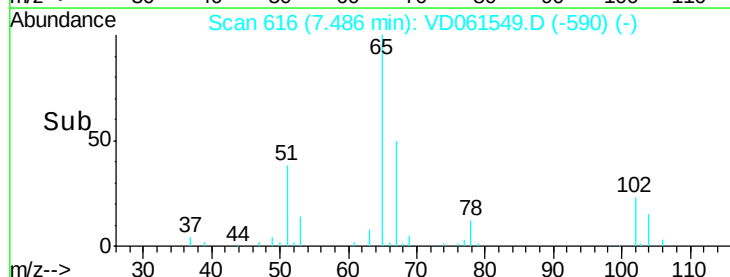
78 100

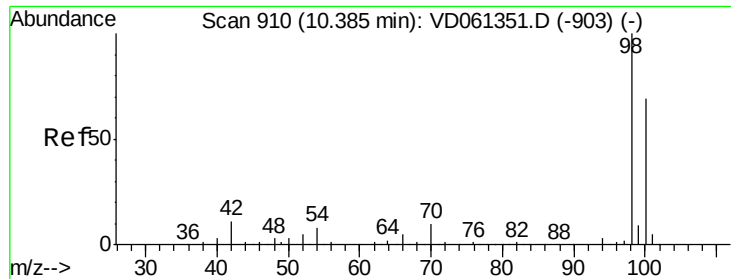
77 22.1 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

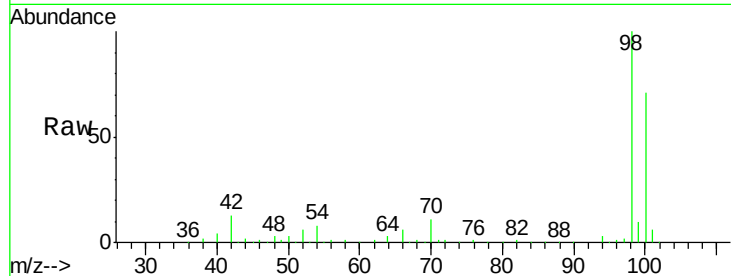




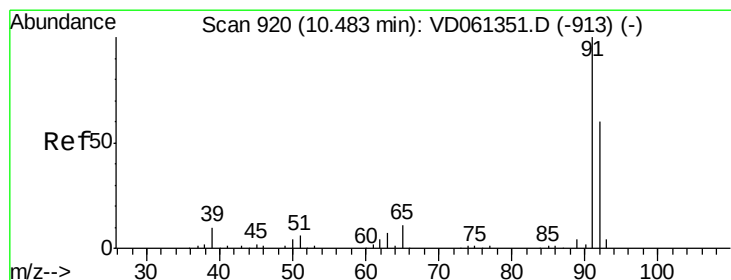
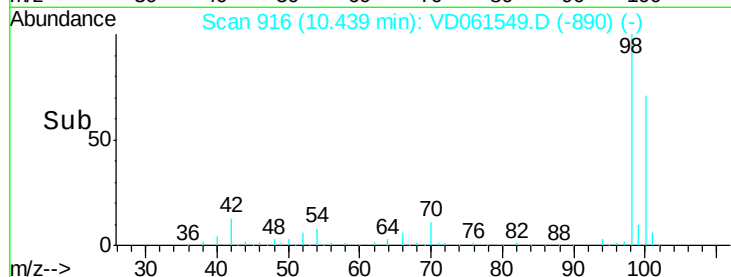
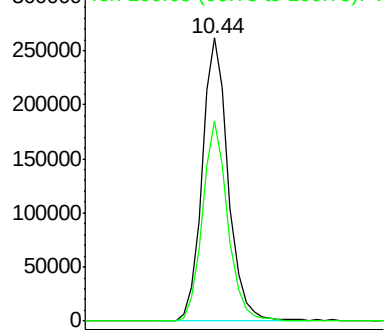
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.05 min
Lab File: VD061549.D
Acq: 3 Apr 2019 10:09

Instrument :
MSVOA_D
ClientSampleId :
TP-2-3-COMP

Tot Ion: 98 Resp: 597026
Ion Ratio Lower Upper
98 100
100 70.8 56.2 84.2

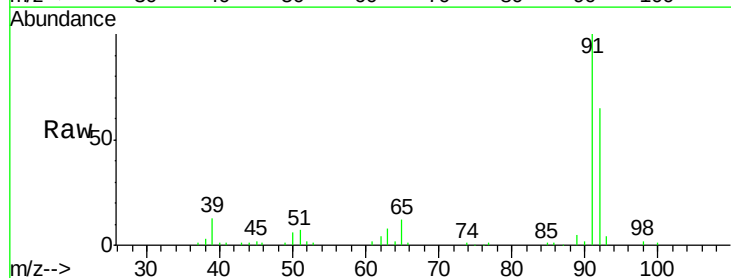


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

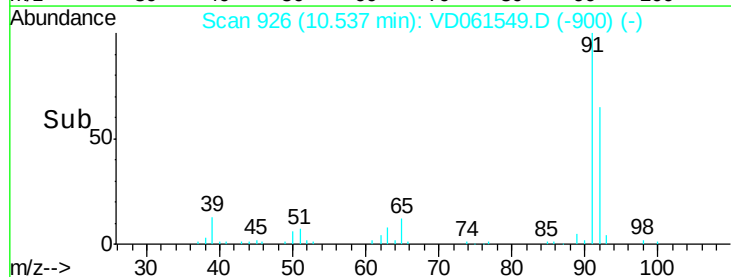
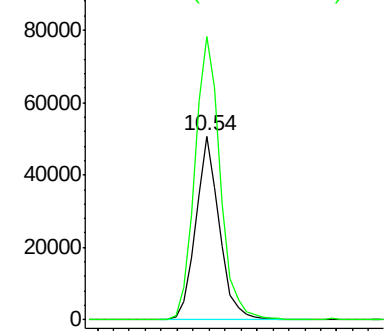


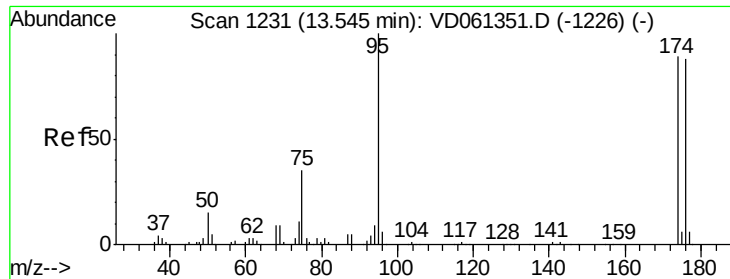
#52
Toluene
Concen: 11.128 ug/l
RT: 10.54 min Scan# 926
Delta R.T. 0.05 min
Lab File: VD061549.D
Acq: 3 Apr 2019 10:09

Tgt Ion: 92 Resp: 105997
Ion Ratio Lower Upper
92 100
91 154.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VD061351.D (-913) (-)
Ion 91.00 (90.70 to 91.70): VD061351.D (-913) (-)

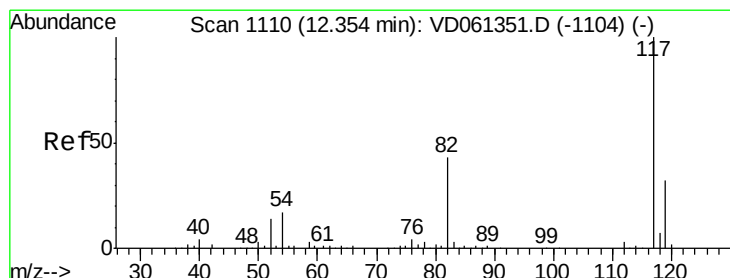
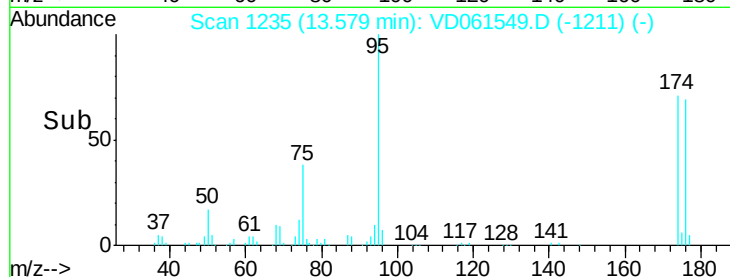
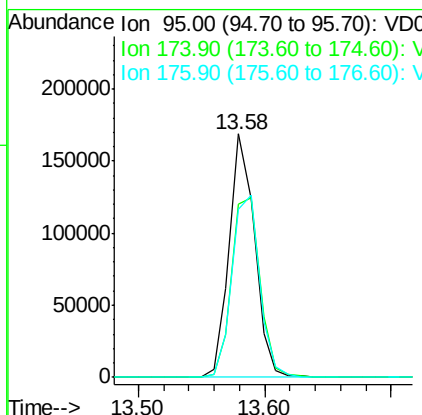
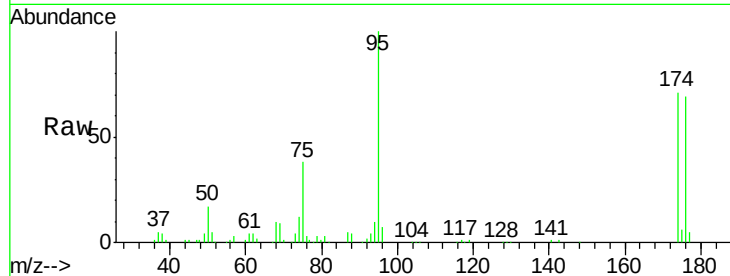




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.58 min Scan# 1235
Delta R.T. 0.03 min
Lab File: VD061549.D
Acq: 3 Apr 2019 10:09

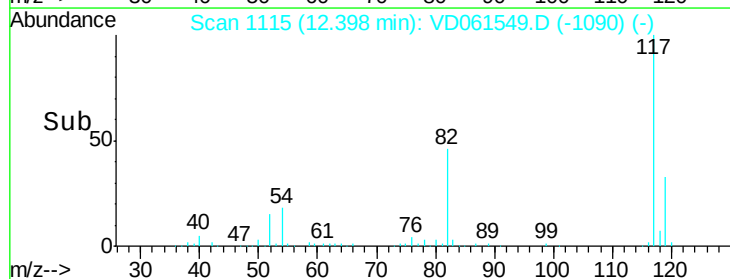
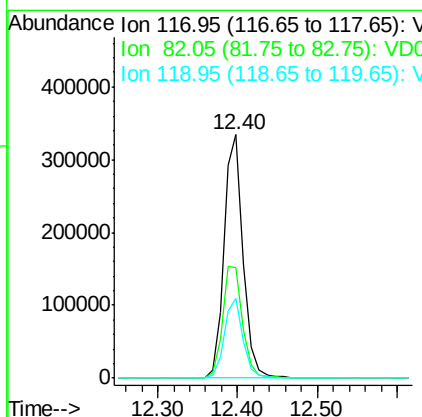
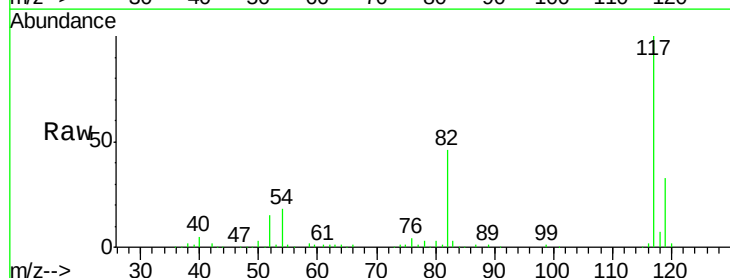
Instrument :
MSVOA_D
ClientSampleId :
TP-2-3-COMP

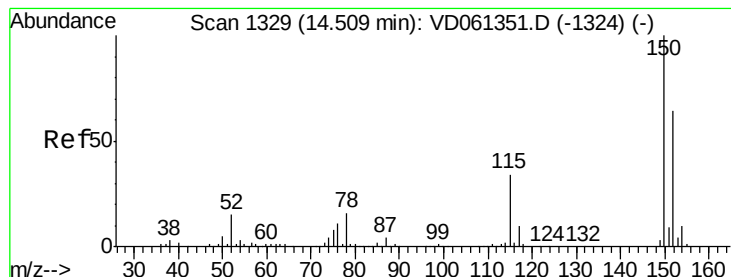
Tot Ion: 95 Resp: 234984
Ion Ratio Lower Upper
95 100
174 71.1 0.0 178.0
176 69.2 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061549.D
Acq: 3 Apr 2019 10:09

Tgt Ion: 117 Resp: 561081
Ion Ratio Lower Upper
117 100
82 45.6 34.4 51.6
119 32.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

TP-2-3-COMP

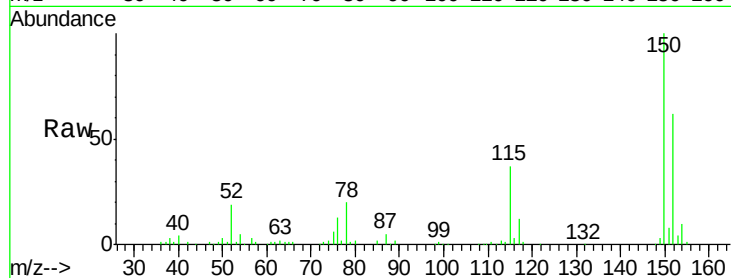
Tot Ion:152 Resp: 210362

Ion Ratio Lower Upper

152 100

115 59.6 26.9 80.6

150 160.0 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

