

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061681.D
 Acq On : 9 Apr 2019 18:11
 Operator : VA/AP
 Sample : K2309-01
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HA-040519

Quant Time: Apr 10 02:06:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

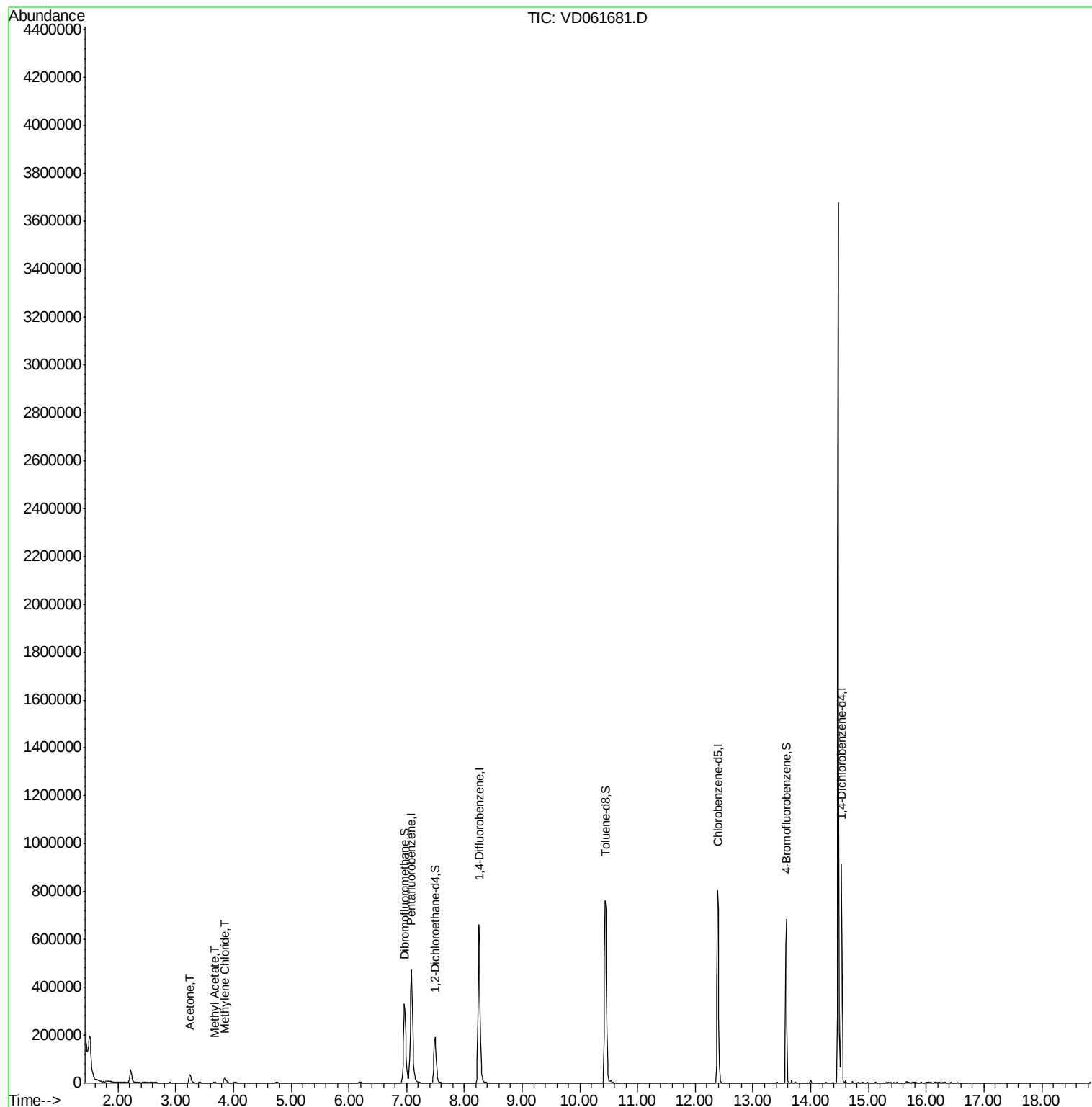
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	493265	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.25	114	801484	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	525081	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	202360	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	204057	54.58	ug/l	0.04
Spiked Amount 50.000			Recovery	=	109.16%	
35) Dibromofluoromethane	6.96	113	318579	57.38	ug/l	0.04
Spiked Amount 50.000			Recovery	=	114.76%	
50) Toluene-d8	10.44	98	704592	50.51	ug/l	0.03
Spiked Amount 50.000			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	13.58	95	220481	43.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	87.62%	
Target Compounds						
16) Acetone	3.24	43	71825	64.262	ug/l	96
18) Methyl Acetate	3.66	43	5420	2.577	ug/l #	90
20) Methylene Chloride	3.85	84	18846	2.971	ug/l	96

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.05 min

Lab File: VD061681.D

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ClientSampleId :

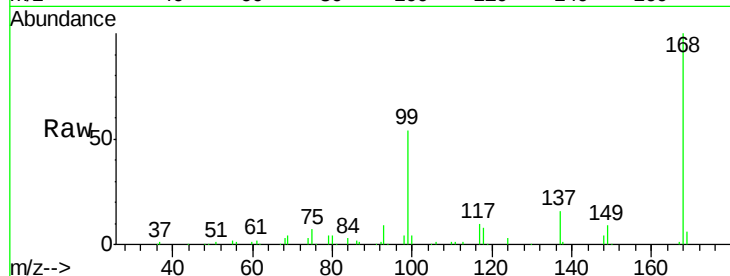
HA-040519

Tot Ion:168 Resp: 493265

Ion Ratio Lower Upper

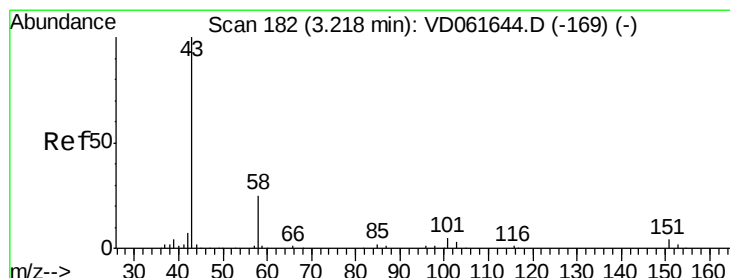
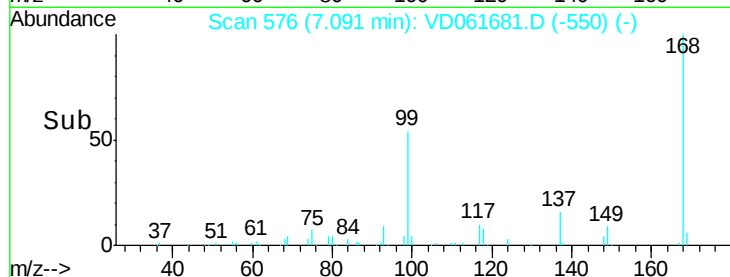
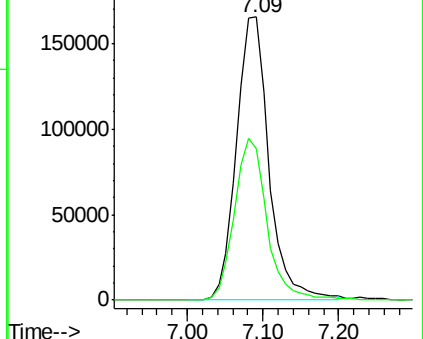
168 100

99 53.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 64.262 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061681.D

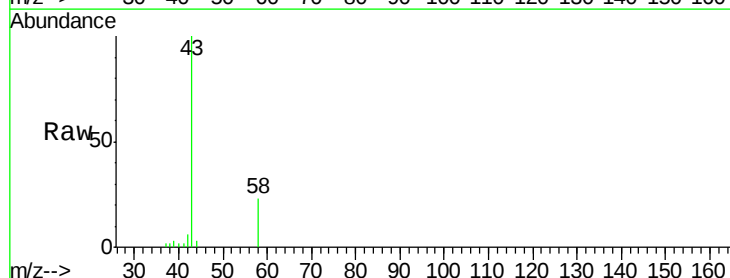
Acq: 9 Apr 2019 18:11

Tgt Ion: 43 Resp: 71825

Ion Ratio Lower Upper

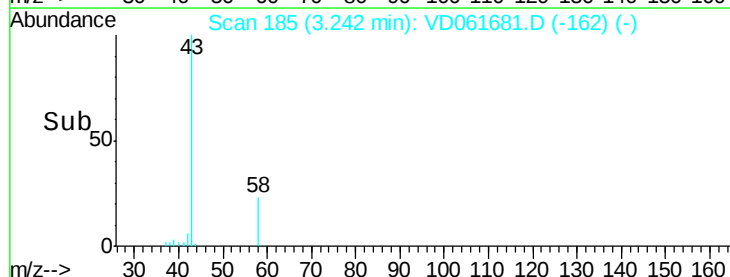
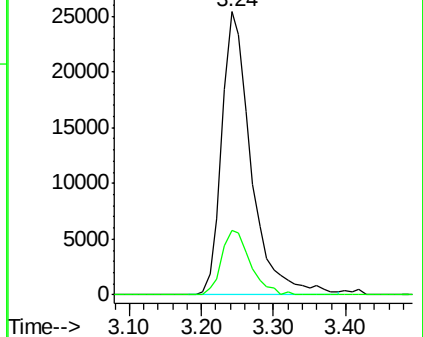
43 100

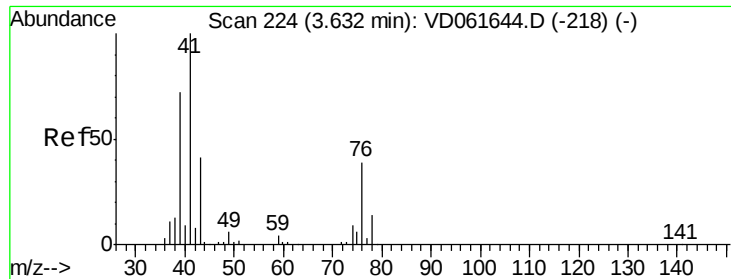
58 22.6 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

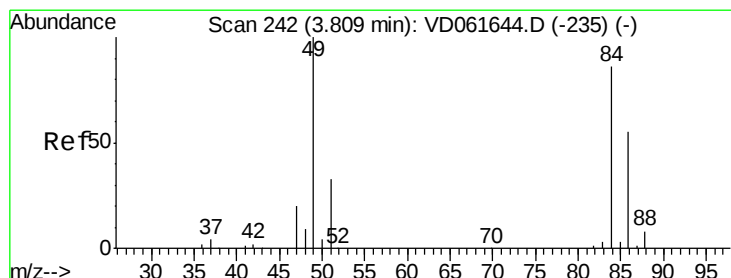
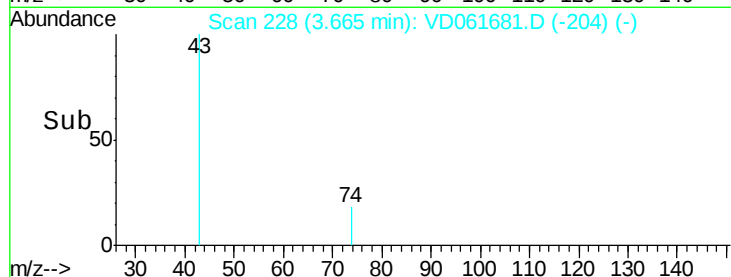
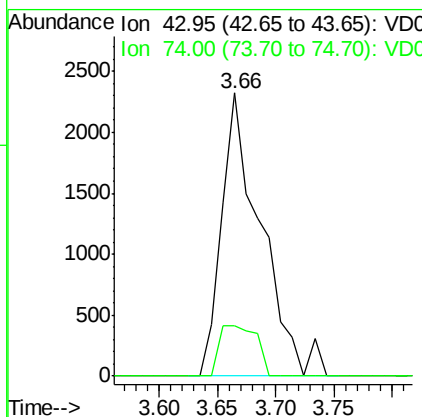
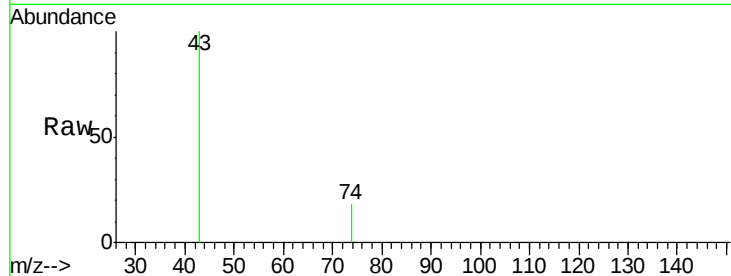




#18
Methyl Acetate
Concen: 2.577 ug/l
RT: 3.66 min Scan# 228
Delta R.T. 0.03 min
Lab File: VD061681.D
Acq: 9 Apr 2019 18:11

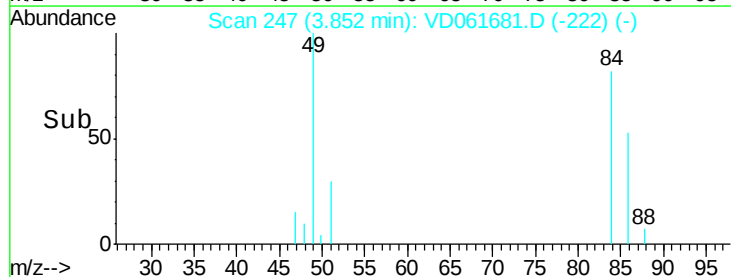
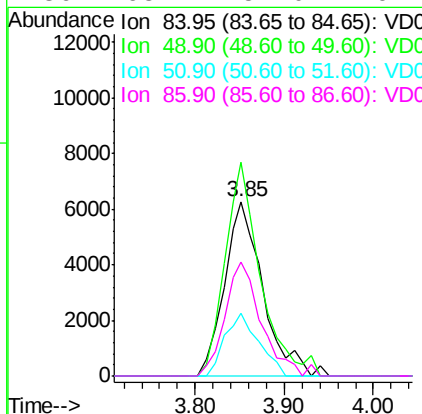
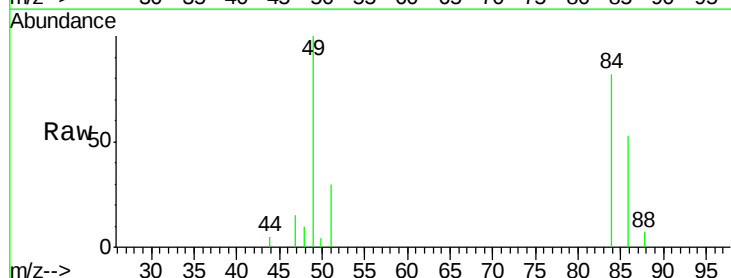
Instrument :
MSVOA_D
ClientSampleID :
HA-040519

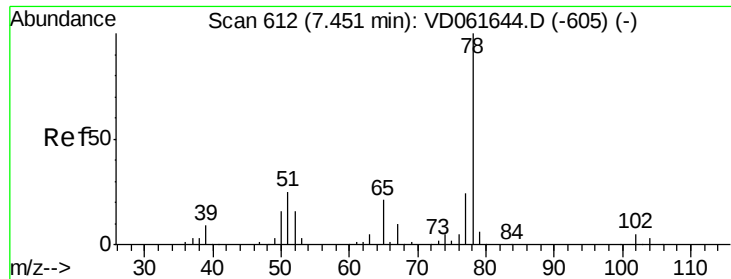
Tot Ion: 43 Resp: 5420
Ion Ratio Lower Upper
43 100
74 17.9 18.2 27.2#



#20
Methylene Chloride
Concen: 2.971 ug/l
RT: 3.85 min Scan# 247
Delta R.T. 0.04 min
Lab File: VD061681.D
Acq: 9 Apr 2019 18:11

Tgt Ion: 84 Resp: 18846
Ion Ratio Lower Upper
84 100
49 122.4 93.0 139.4
51 36.1 30.4 45.6
86 65.4 51.0 76.4

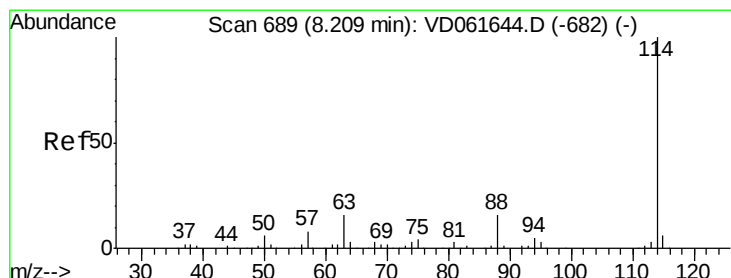
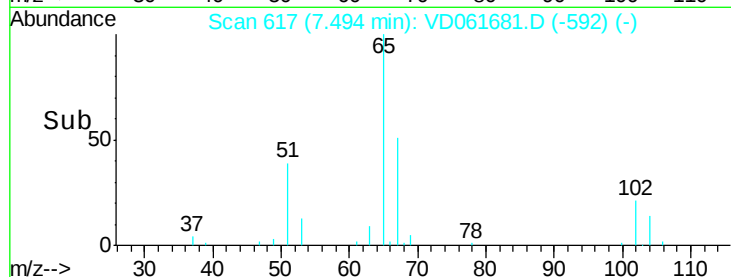
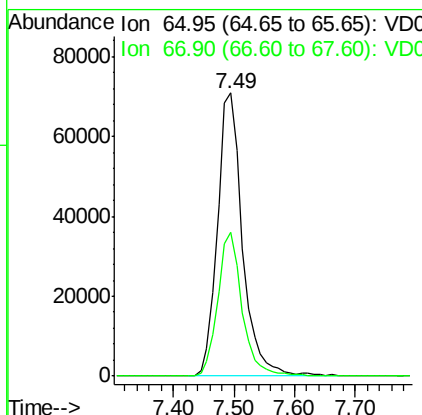
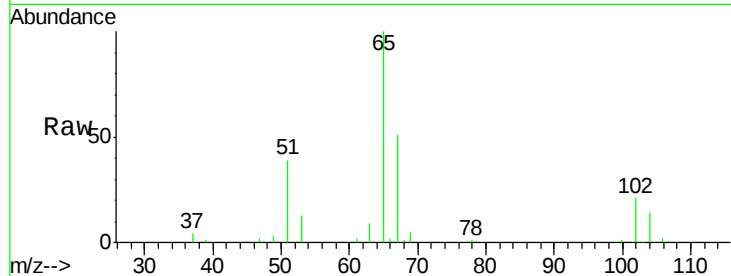




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.49 min Scan# 617
 Delta R.T. 0.04 min
 Lab File: VD061681.D
 Acq: 9 Apr 2019 18:11

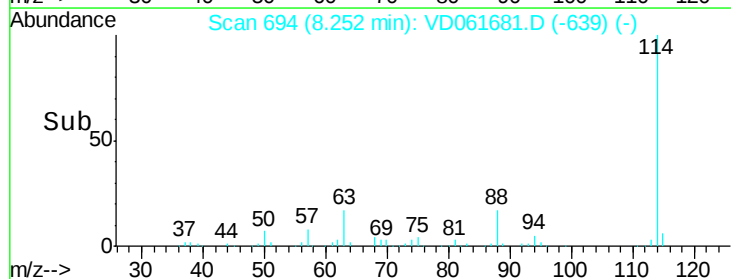
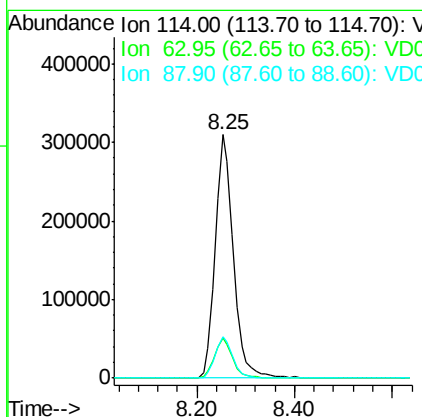
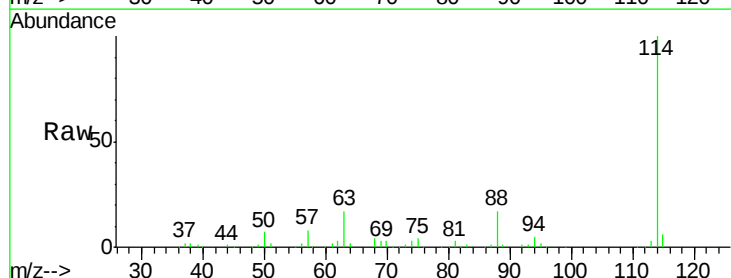
Instrument :
 MSVOA_D
 ClientSampleId :
 HA-040519

Tot Ion: 65 Resp: 204057
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 694
 Delta R.T. 0.04 min
 Lab File: VD061681.D
 Acq: 9 Apr 2019 18:11

Tgt Ion: 114 Resp: 801484
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.2
 88 17.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.04 min

Lab File: VD061681.D

Acq: 9 Apr 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

HA-040519

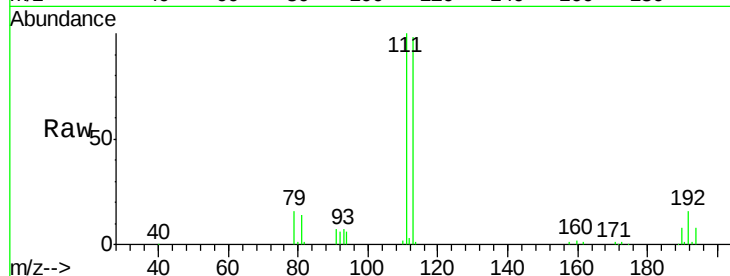
Tot Ion:113 Resp: 318579

Ion Ratio Lower Upper

113 100

111 102.5 79.3 118.9

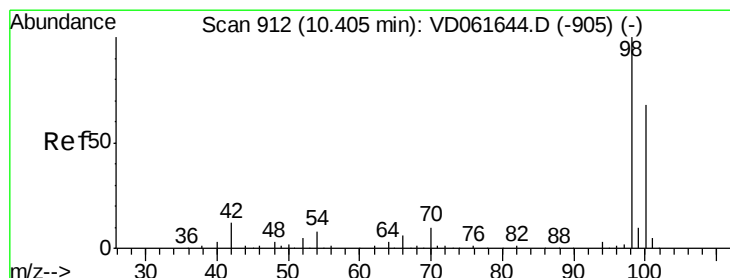
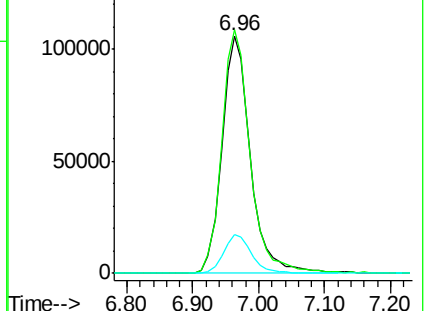
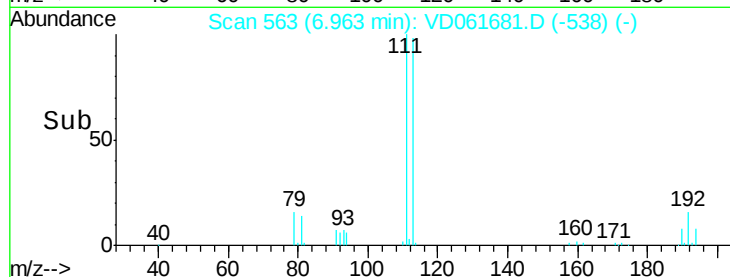
192 16.3 12.3 18.5



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: 10.44 min Scan# 916

Delta R.T. 0.03 min

Lab File: VD061681.D

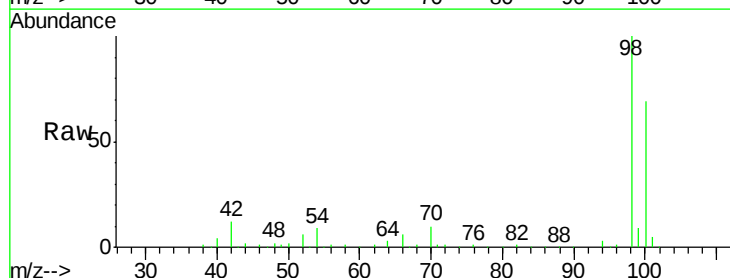
Acq: 9 Apr 2019 18:11

Tgt Ion: 98 Resp: 704592

Ion Ratio Lower Upper

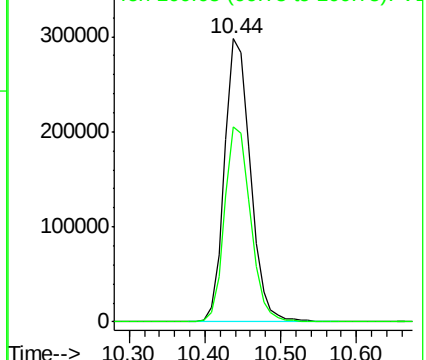
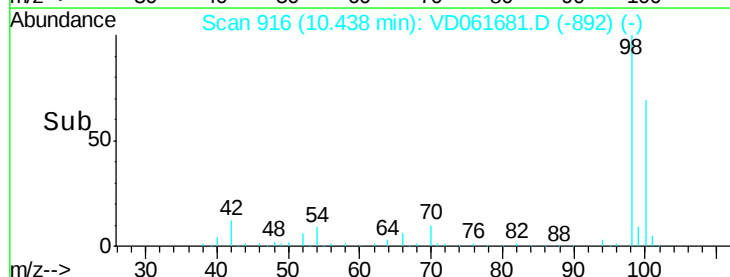
98 100

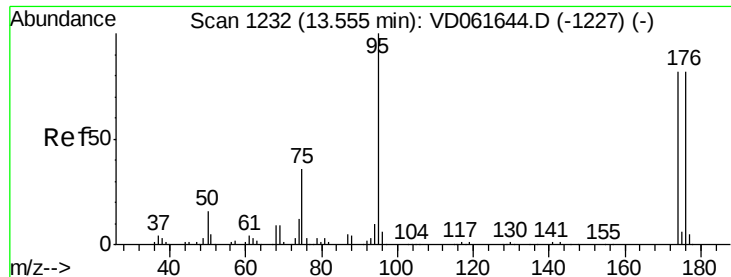
100 68.8 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.02 min

Lab File: VD061681.D

Acq: 9 Apr 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

HA-040519

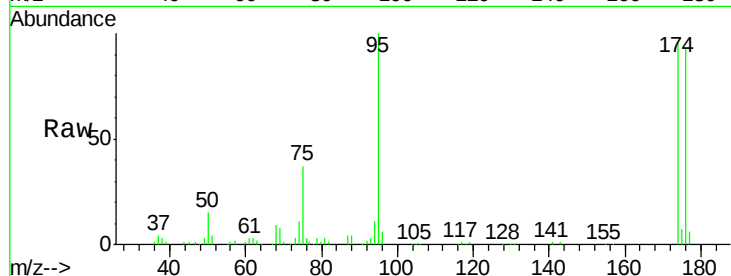
Tot Ion: 95 Resp: 220481

Ion Ratio Lower Upper

95 100

174 95.5 0.0 164.6

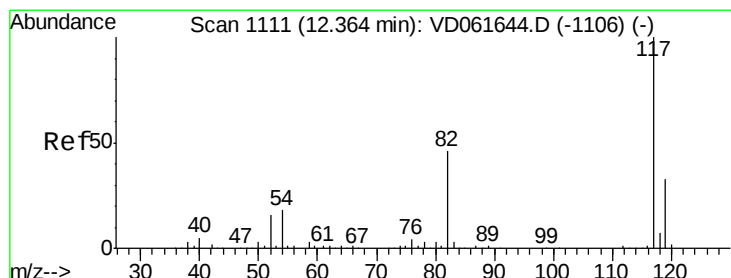
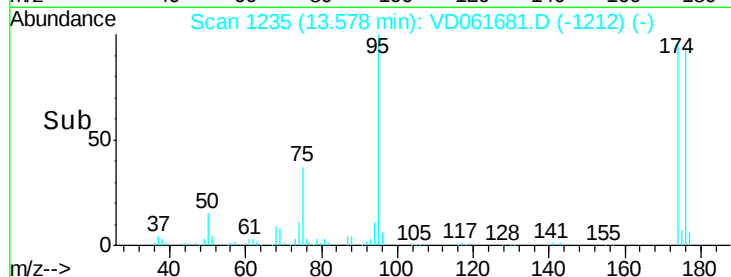
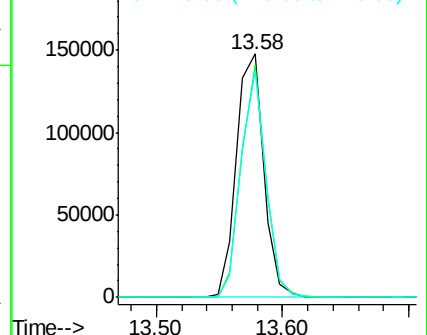
176 93.3 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.39 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VD061681.D

Acq: 9 Apr 2019 18:11

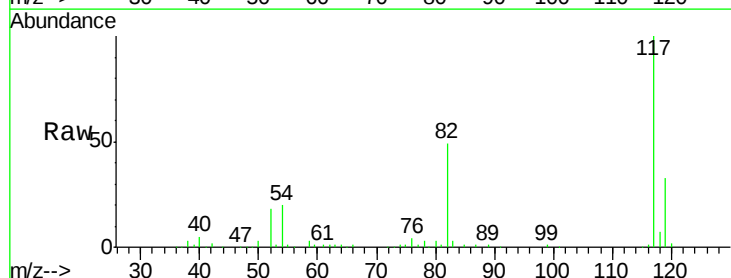
Tgt Ion: 117 Resp: 525081

Ion Ratio Lower Upper

117 100

82 48.6 36.8 55.2

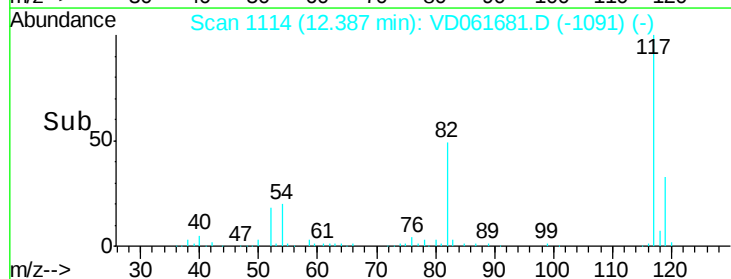
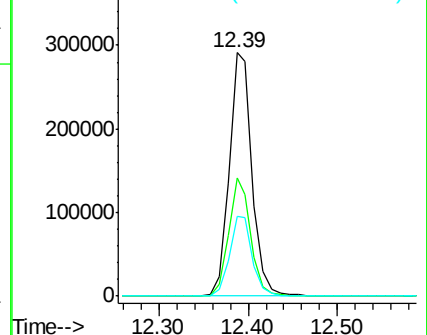
119 32.7 26.1 39.1

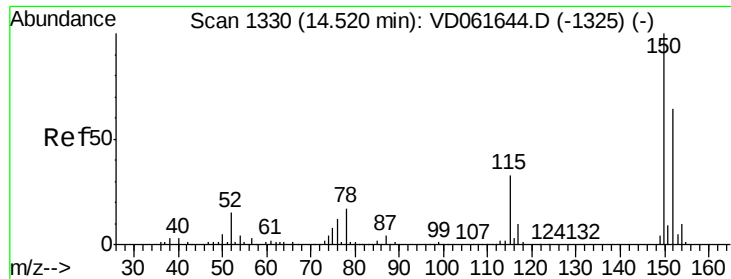


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061681.D

Acq: 9 Apr 2019 18:11

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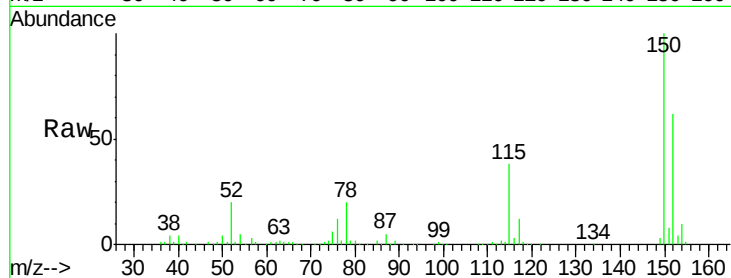
Tot Ion:152 Resp: 202360

Ion Ratio Lower Upper

152 100

115 60.9 26.4 79.2

150 160.6 0.0 320.6



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

