

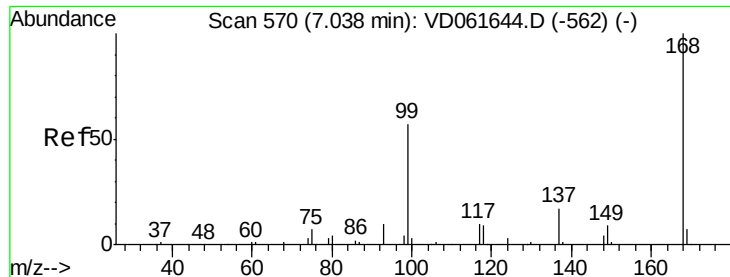
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061756.D
 Acq On : 11 Apr 2019 22:15
 Operator : VA/AP
 Sample : K2203-05
 Misc : 6.66q/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 01:05:11 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	7.04	168	457223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	616941	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	141429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	244874	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	201797	58.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.46%	
35) Dibromofluoromethane	6.92	113	325894	76.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	152.50%	
50) Toluene-d8	10.41	98	9516	0.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	1.78%	
62) 4-Bromofluorobenzene	13.56	95	256967	76.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	152.20%	
Target Compounds						
8) Diethyl Ether	2.87	74	2080	1.318	ug/l	52
16) Acetone	3.21	43	14675	14.165	ug/l #	73
20) Methylene Chloride	3.81	84	67625	11.503	ug/l	96
31) Cyclohexane	7.04	56	7160	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	36021	6.671	ug/l #	48
38) Carbon Tetrachloride	7.04	117	43900	6.937	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	83094	24.942	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	96135	95.093	ug/l #	20

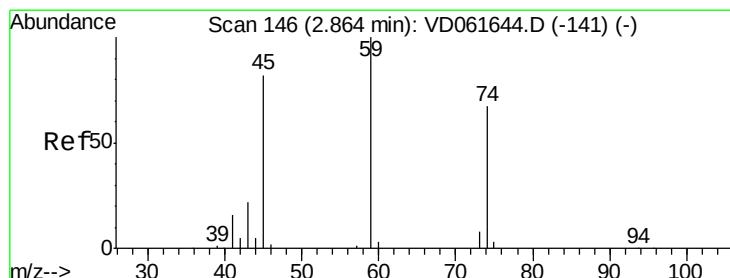
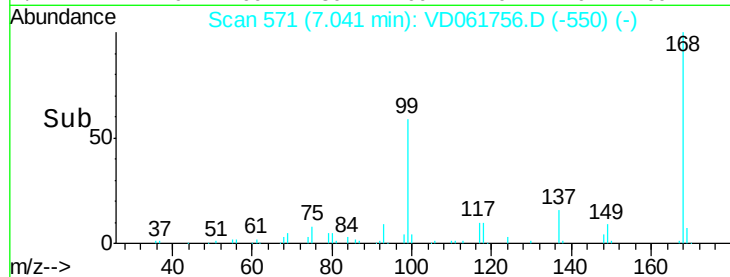
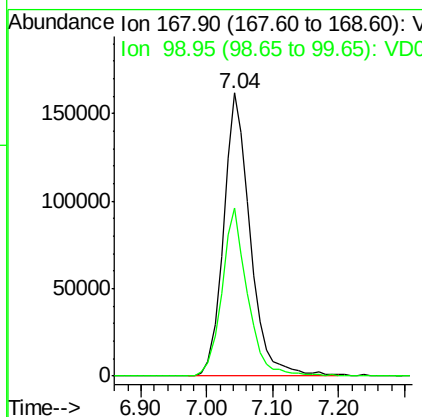
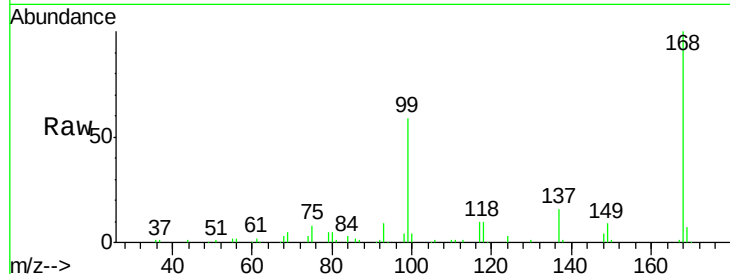
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.00 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

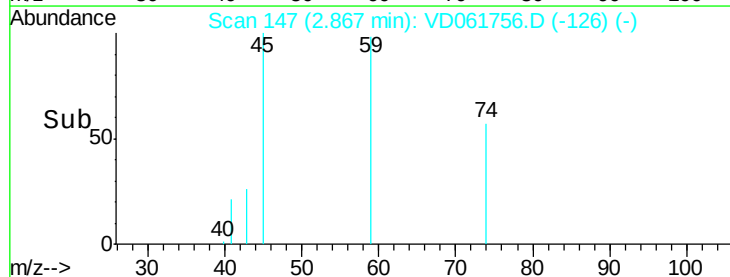
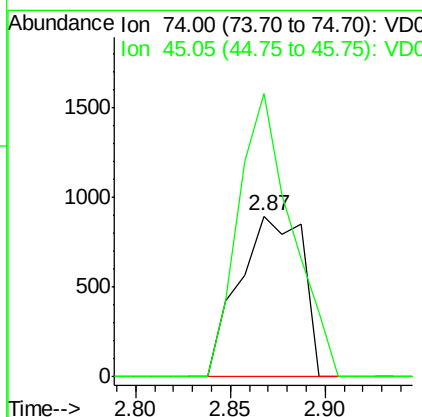
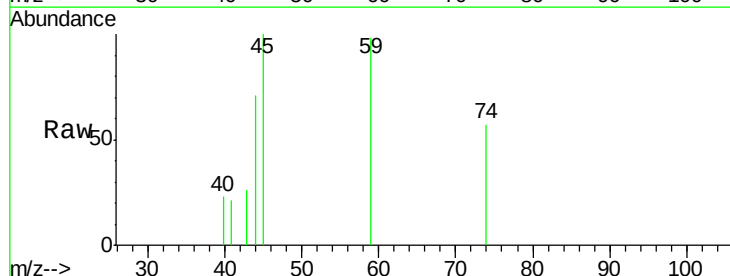
Instrument :
MSVOA_D
ClientSampleId :

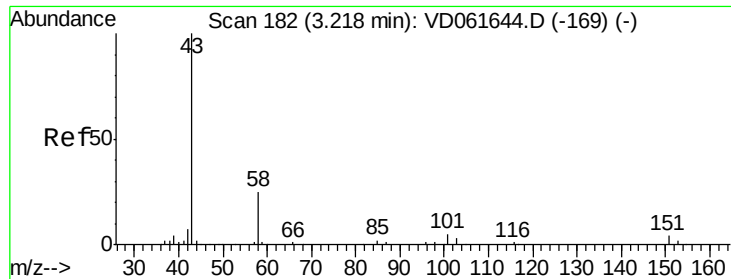
Tot Ion:168 Resp: 457223
Ion Ratio Lower Upper
168 100
99 59.4 46.8 70.2



#8
Diethyl Ether
Concen: 1.318 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

Tgt Ion: 74 Resp: 2080
Ion Ratio Lower Upper
74 100
45 176.1 61.0 183.0

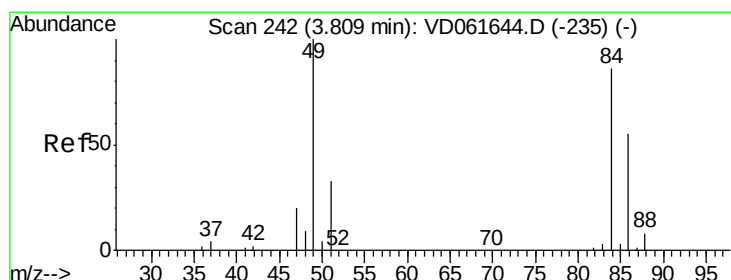
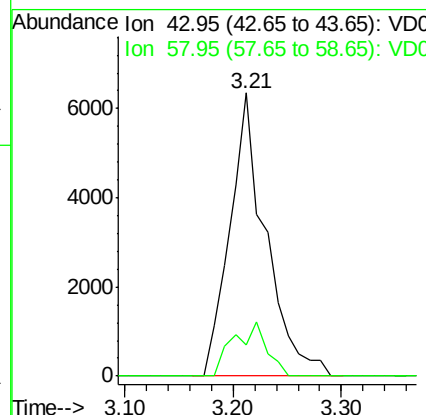
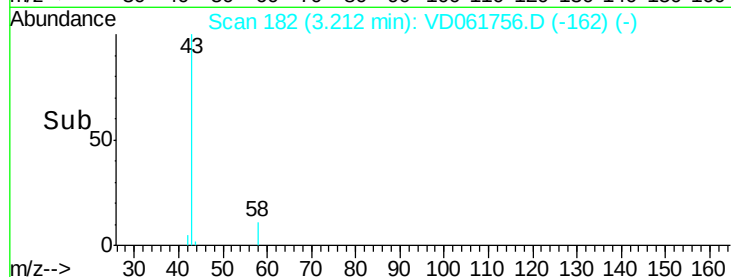
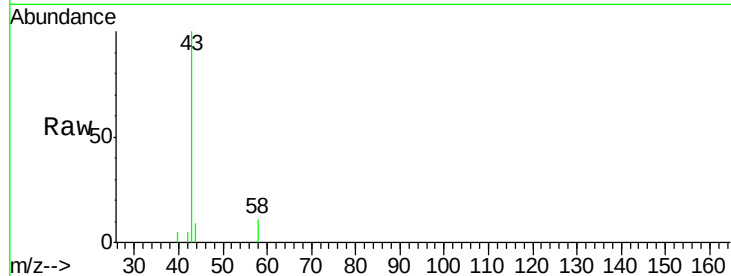




#16
Acetone
Concen: 14.165 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

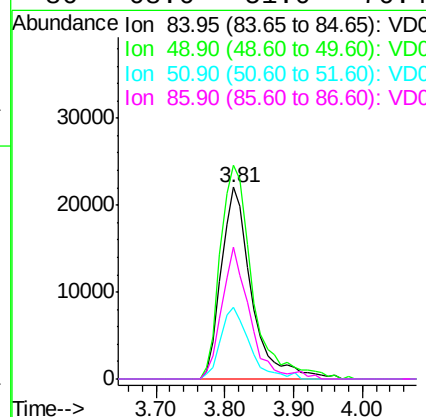
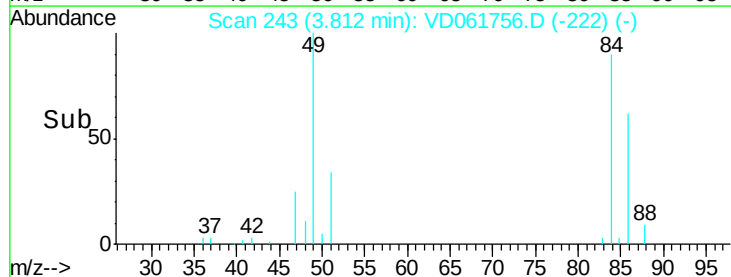
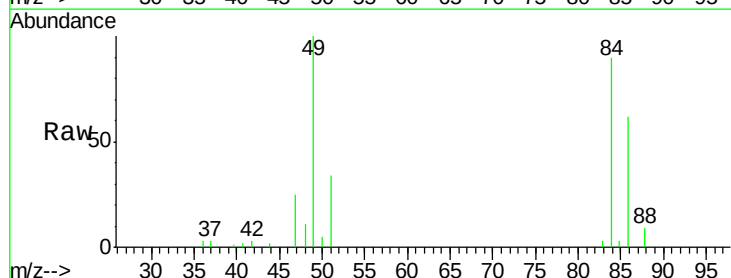
Instrument :
MSVOA_D
ClientSampleId :

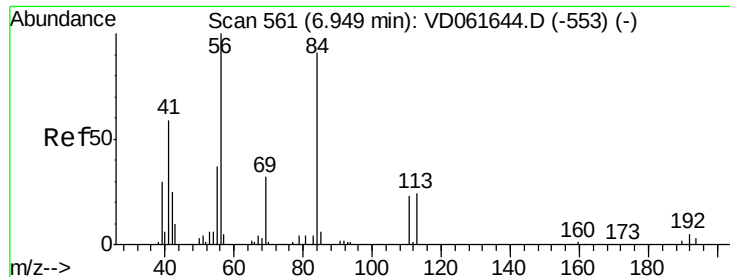
Tot Ion: 43 Resp: 14675
Ion Ratio Lower Upper
43 100
58 10.9 19.7 29.5#



#20
Methylene Chloride
Concen: 11.503 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

Tgt Ion: 84 Resp: 67625
Ion Ratio Lower Upper
84 100
49 111.4 93.0 139.4
51 37.5 30.4 45.6
86 68.6 51.0 76.4

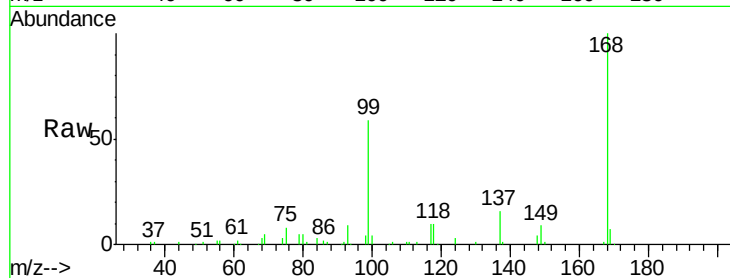




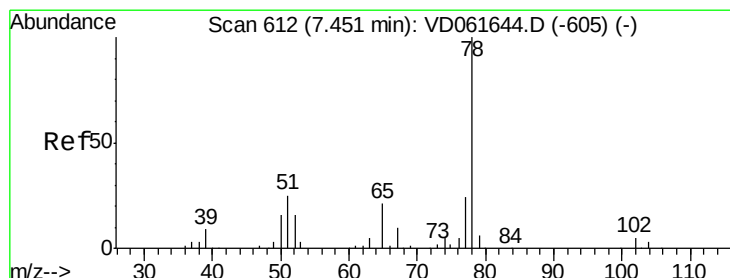
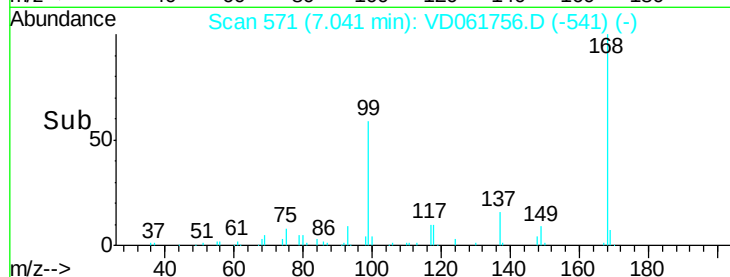
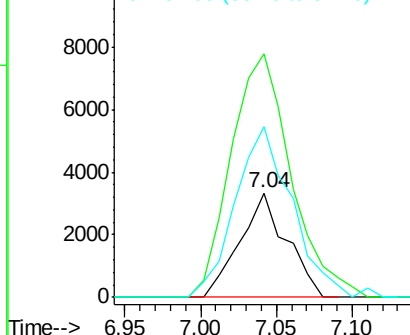
#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 7160
Ion Ratio Lower Upper
56 100
69 233.1 25.8 38.6#
84 162.9 74.2 111.2#

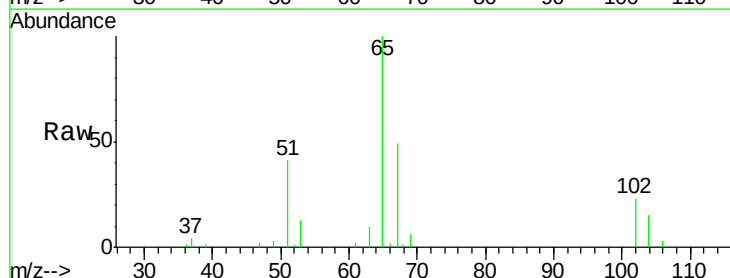


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

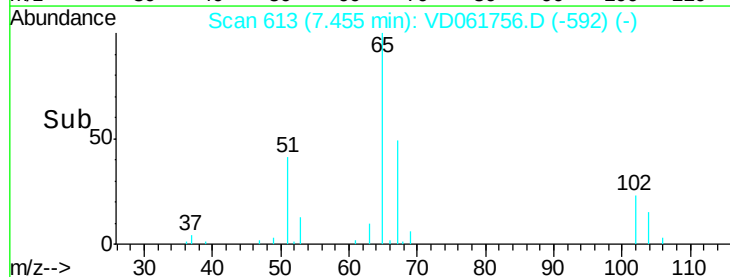
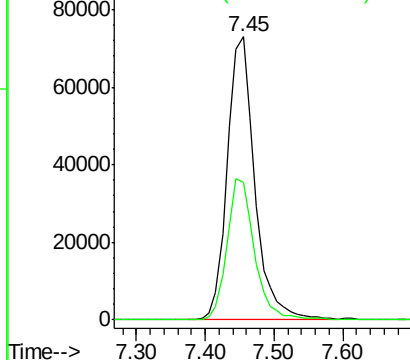


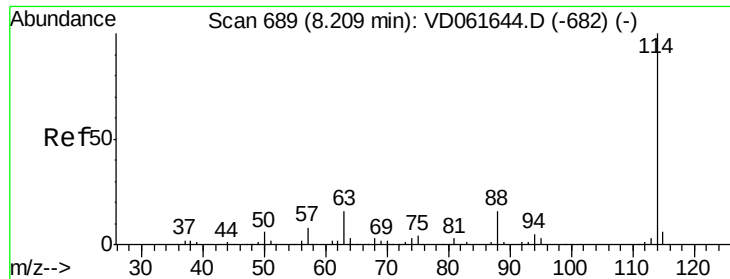
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

Tgt Ion: 65 Resp: 201797
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

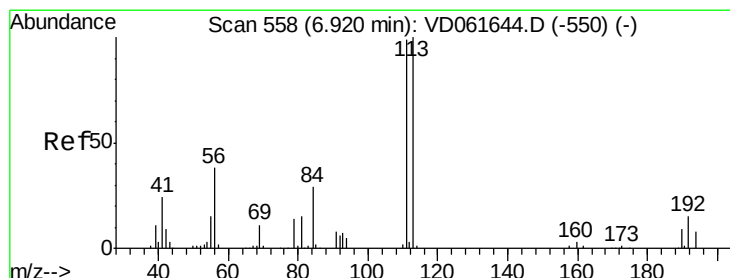
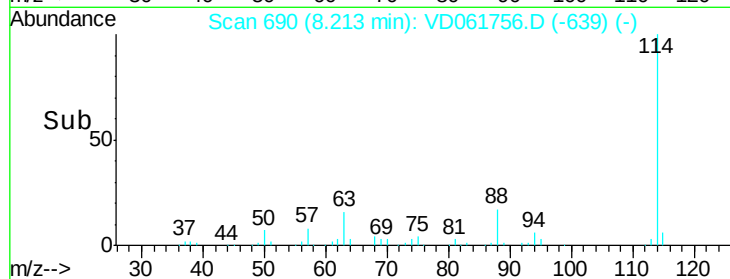
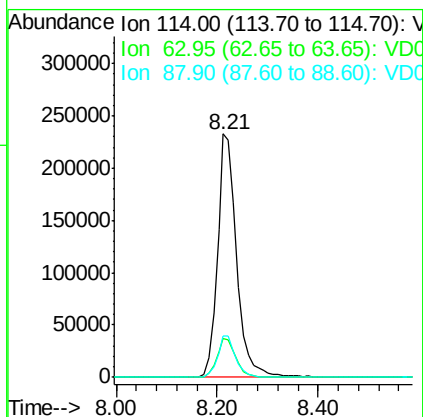
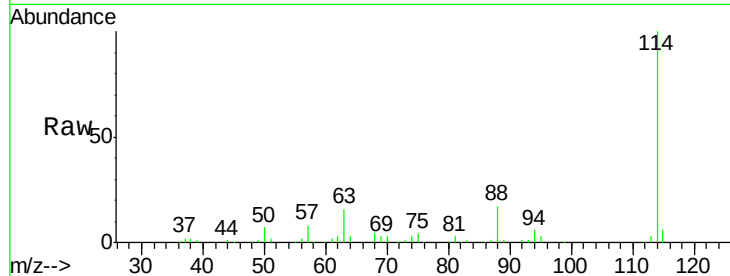




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061756.D
 Acq: 11 Apr 2019 22:15

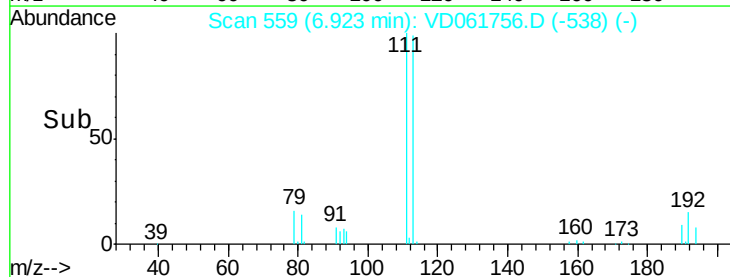
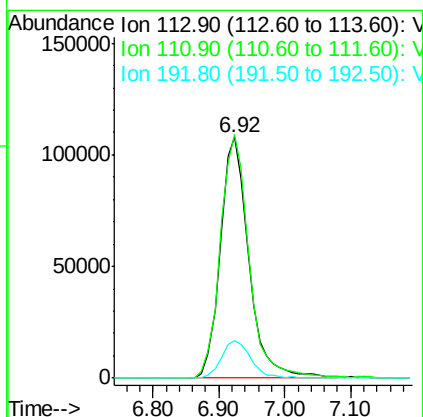
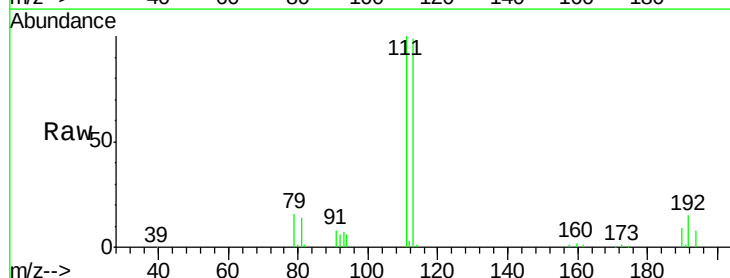
Instrument :
 MSVOA_D
 ClientSampleId :

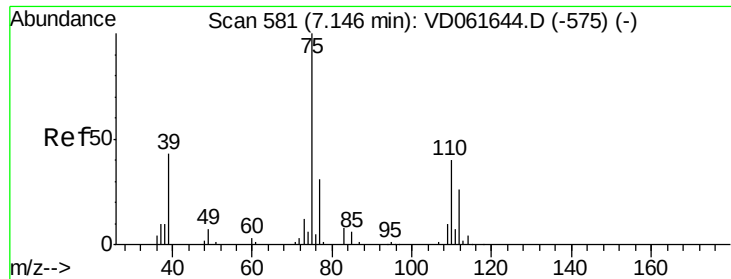
Tot Ion:114 Resp: 616941
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.2
 88 17.0 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061756.D
 Acq: 11 Apr 2019 22:15

Tgt Ion:113 Resp: 325894
 Ion Ratio Lower Upper
 113 100
 111 101.2 79.3 118.9
 192 15.4 12.3 18.5





#36

1,1-Dichloropropene

Concen: 6.671 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061756.D

Acq: 11 Apr 2019 22:15

Instrument :

MSVOA_D

ClientSampleId :

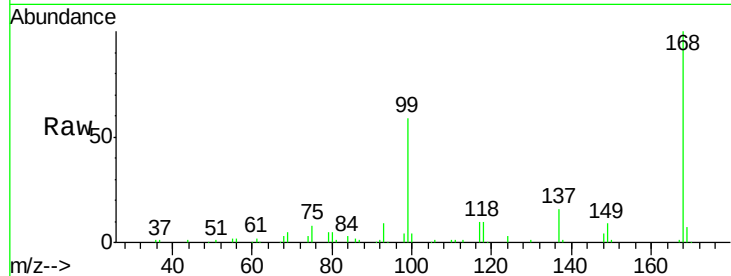
Tot Ion: 75 Resp: 36021

Ion Ratio Lower Upper

75 100

110 9.7 19.7 59.0#

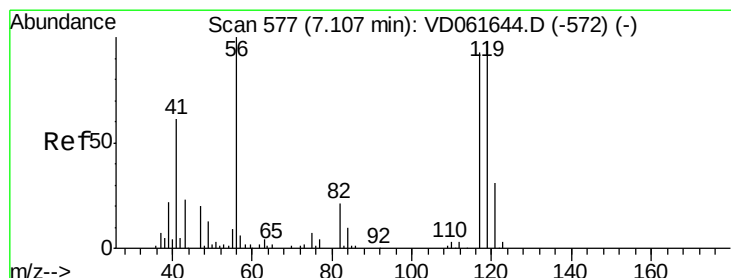
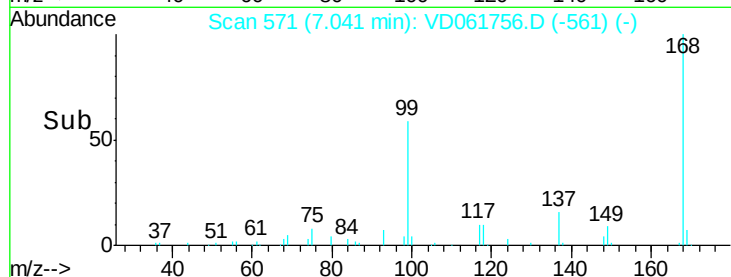
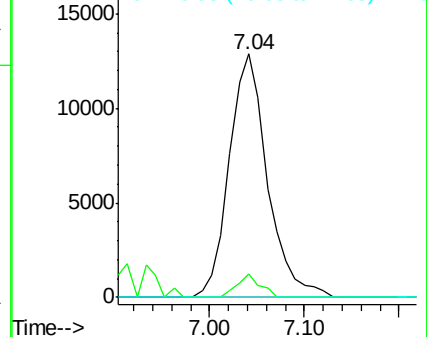
77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.937 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061756.D

Acq: 11 Apr 2019 22:15

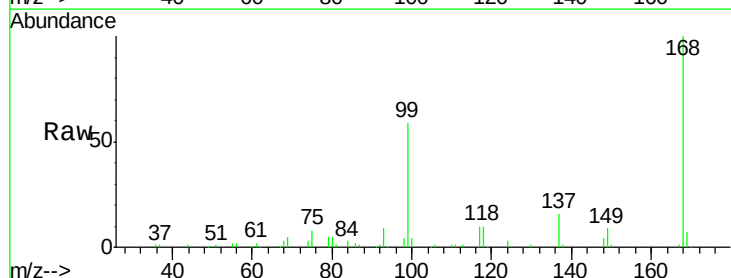
Tgt Ion: 117 Resp: 43900

Ion Ratio Lower Upper

117 100

119 3.5 77.9 116.9#

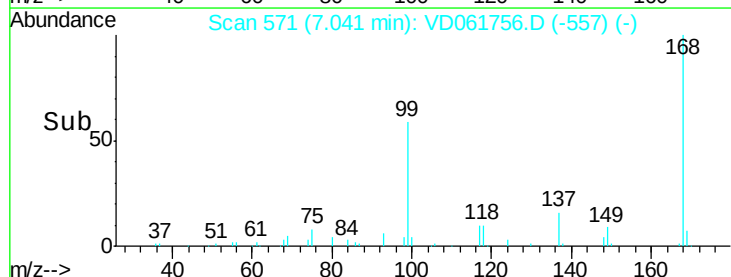
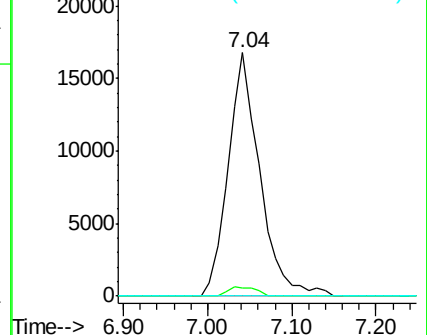
121 0.0 24.7 37.1#

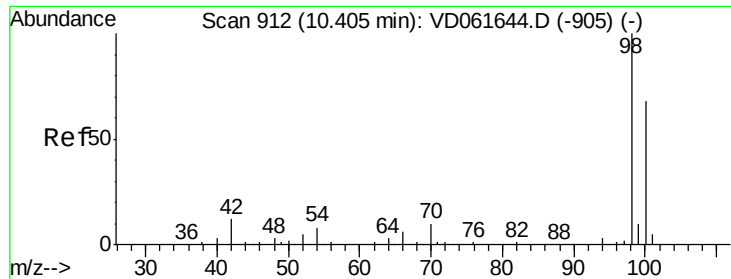


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061756.D

Acq: 11 Apr 2019 22:15

Instrument :

MSVOA_D

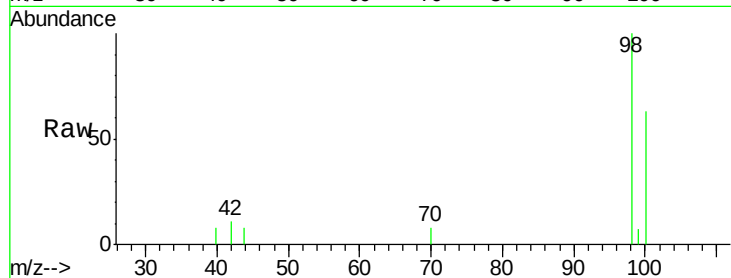
ClientSampled :

Tot Ion: 98 Resp: 9516

Ion Ratio Lower Upper

98 100

100 62.8 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

10.41

4000

3000

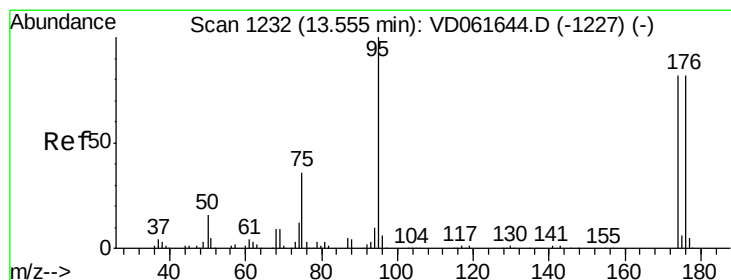
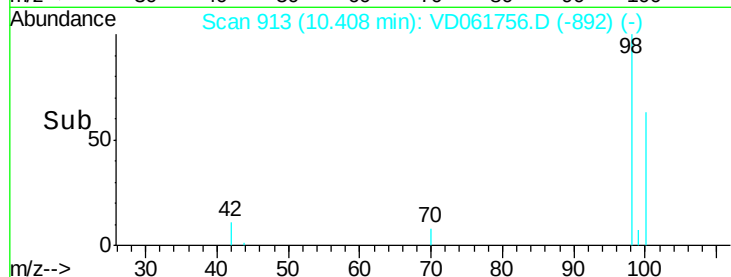
2000

1000

0

10.35 10.40 10.45 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061756.D

Acq: 11 Apr 2019 22:15

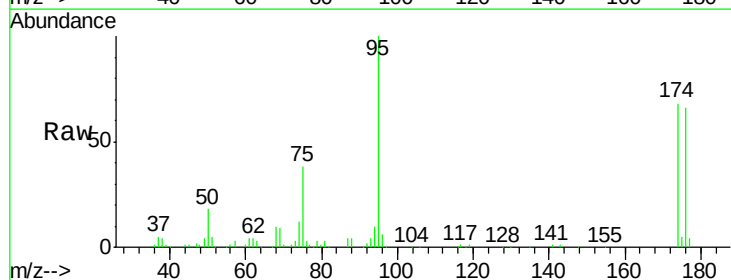
Tgt Ion: 95 Resp: 256967

Ion Ratio Lower Upper

95 100

174 68.0 0.0 164.6

176 66.3 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

200000

150000

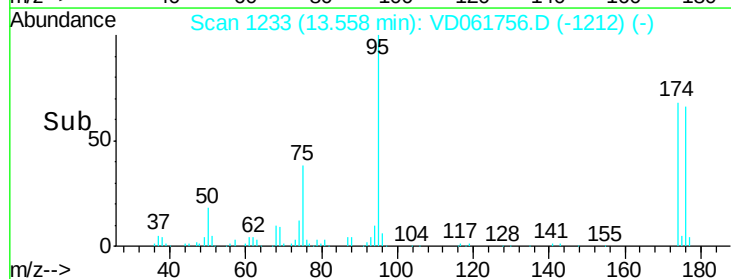
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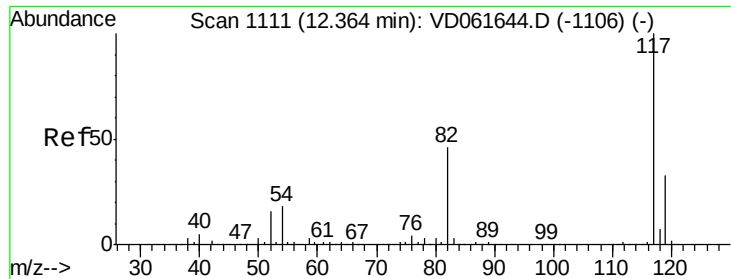
50000

0

13.50 13.55 13.60

Time-->

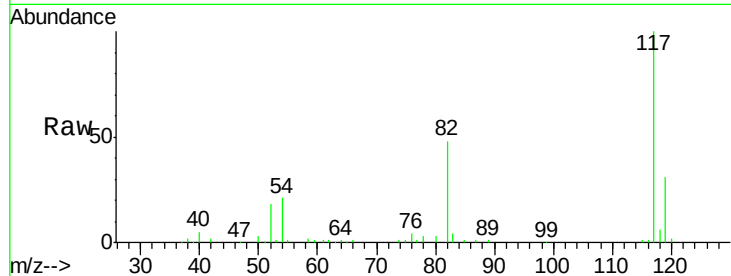




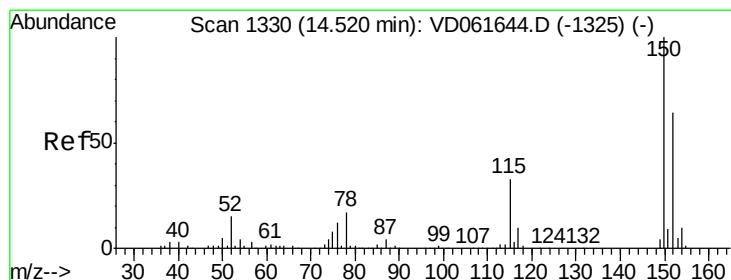
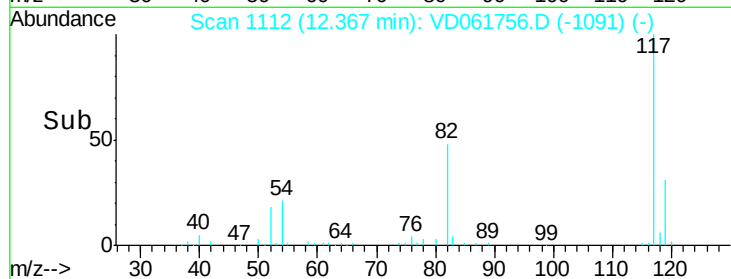
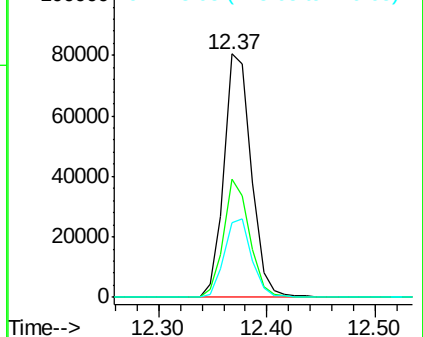
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 141429
Ion Ratio Lower Upper
117 100
82 48.4 36.8 55.2
119 30.7 26.1 39.1

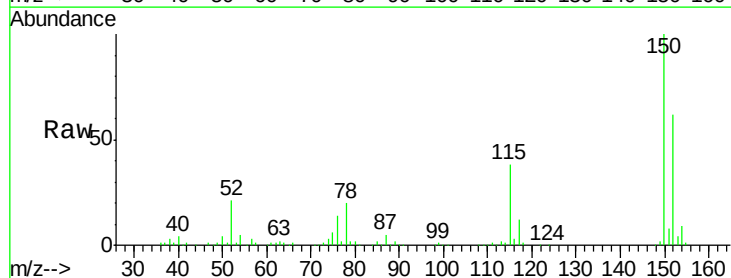


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

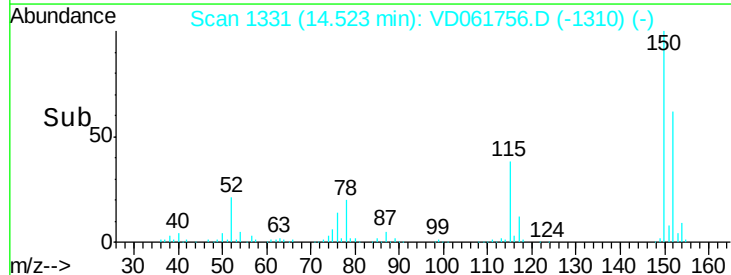
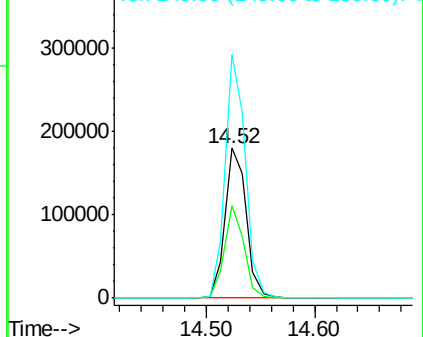


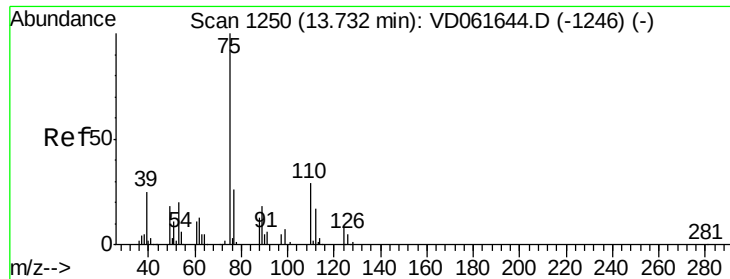
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061756.D
Acq: 11 Apr 2019 22:15

Tgt Ion:152 Resp: 244874
Ion Ratio Lower Upper
152 100
115 61.3 26.4 79.2
150 162.3 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





#76

1,2,3-Trichloropropane

Concen: 24.942 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061756.D

Acq: 11 Apr 2019 22:15

Instrument :

MSVOA_D

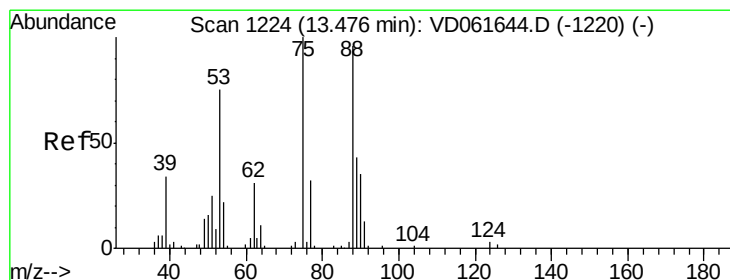
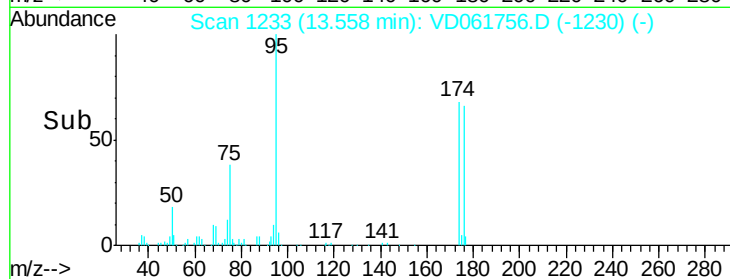
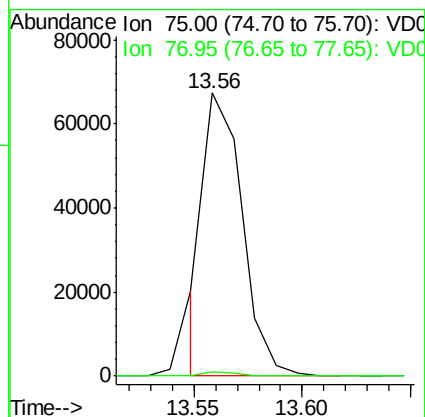
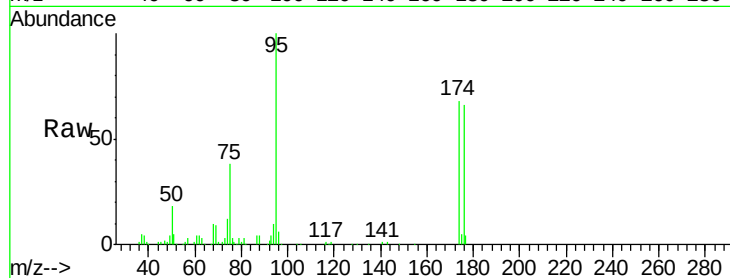
ClientSampleId :

Tot Ion: 75 Resp: 83094

Ion Ratio Lower Upper

75 100

77 1.6 15.7 47.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.093 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061756.D

Acq: 11 Apr 2019 22:15

Tgt Ion: 75 Resp: 96135

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#

