

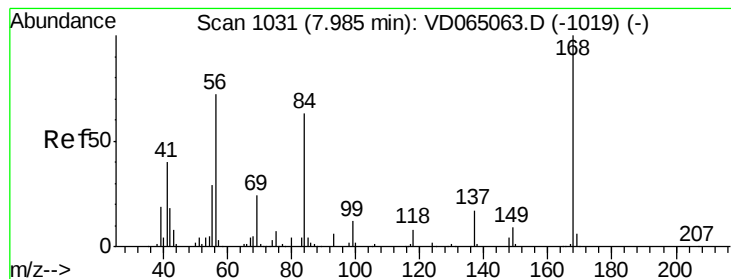
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065166.D
 Acq On : 12 Feb 2020 16:45
 Operator : VA/SY
 Sample : L1510-01RE
 Misc : 7.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 13 06:00:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	139113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	219328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	263464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	135124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	99694	84.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	168.64%	
35) Dibromofluoromethane	7.92	113	85361	69.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.52%	
50) Toluene-d8	10.34	98	279311	57.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.68%	
62) 4-Bromofluorobenzene	12.64	95	113824	73.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	147.50%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	4162	14.080	ug/l	96
31) Cyclohexane	7.97	56	2850	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	10653	5.224	ug/l #	48
38) Carbon Tetrachloride	7.98	117	13052	6.266	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1262	1.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	58314	57.001	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	58314	113.998	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065166.D

Acq: 12 Feb 2020 16:45

Instrument :

MSVOA_D

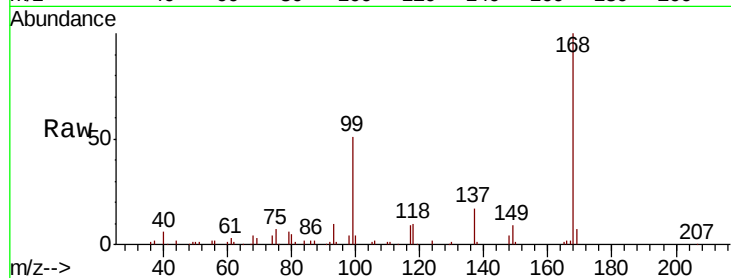
ClientSampleId :

Tot Ion:168 Resp: 139113

Ion Ratio Lower Upper

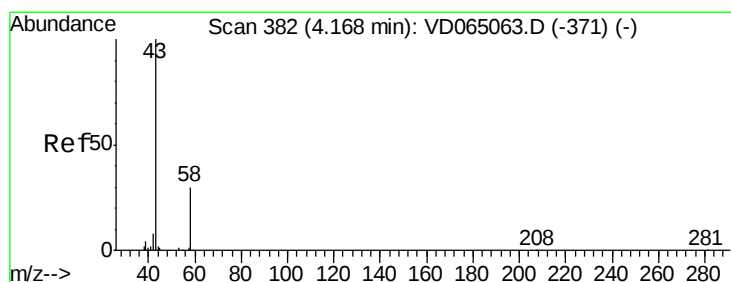
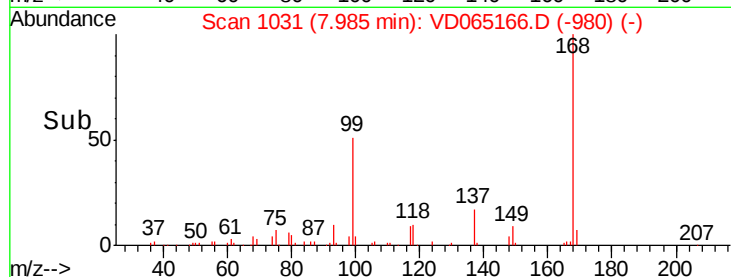
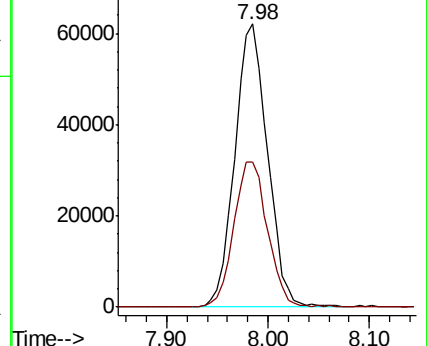
168 100

99 51.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 14.080 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065166.D

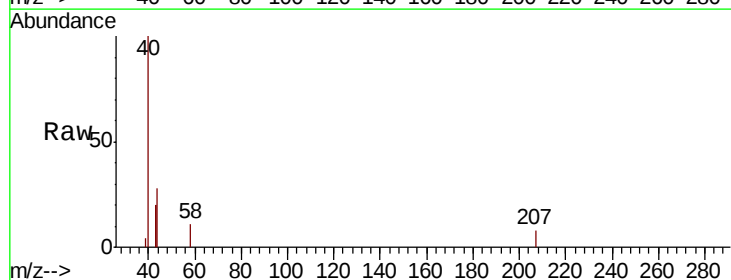
Acq: 12 Feb 2020 16:45

Tgt Ion: 43 Resp: 4162

Ion Ratio Lower Upper

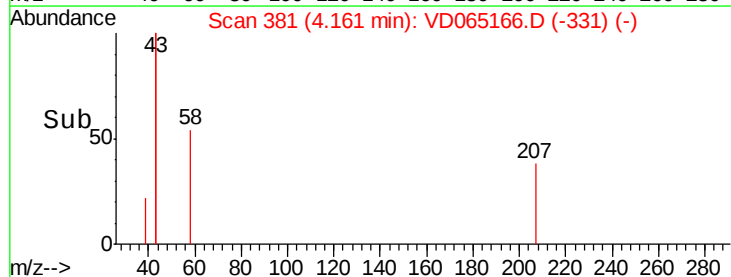
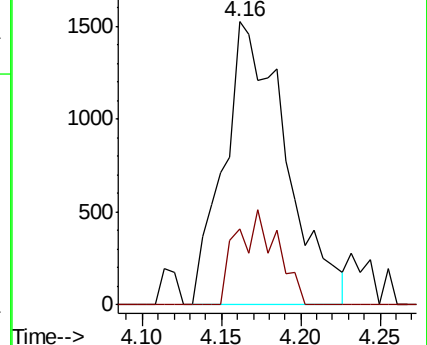
43 100

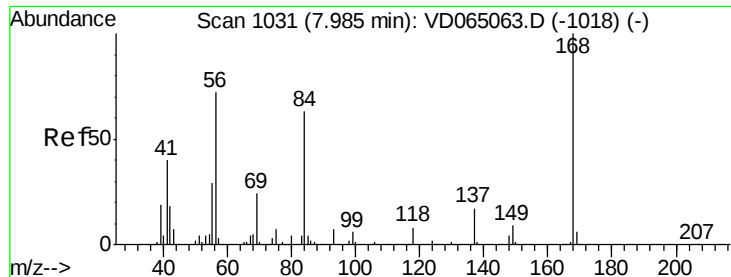
58 27.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

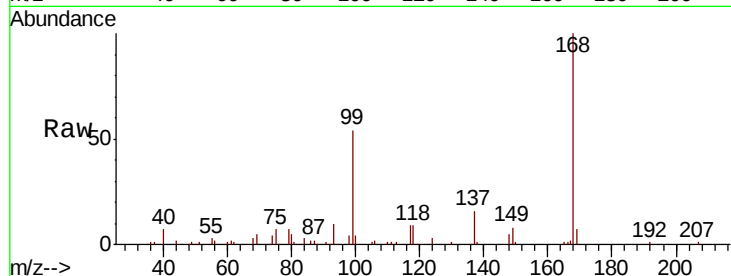




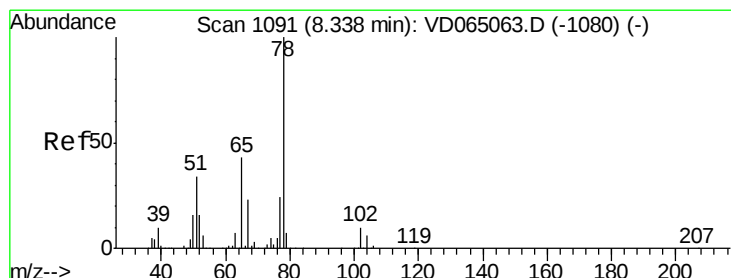
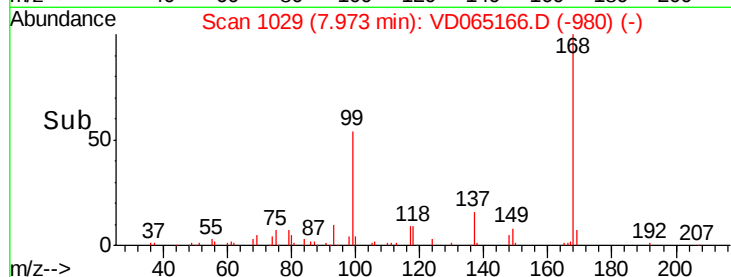
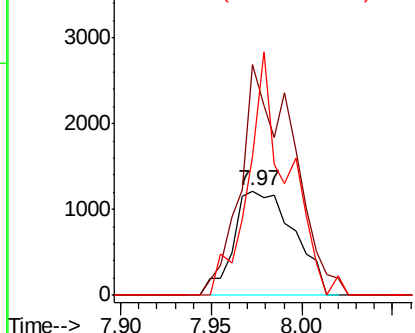
#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065166.D
Acq: 12 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 2850
Ion Ratio Lower Upper
56 100
69 220.3 26.6 40.0#
84 132.7 70.6 106.0#

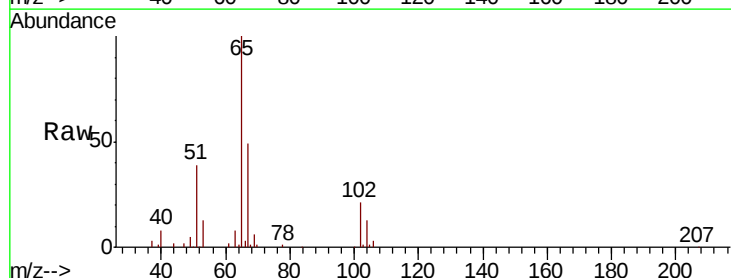


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

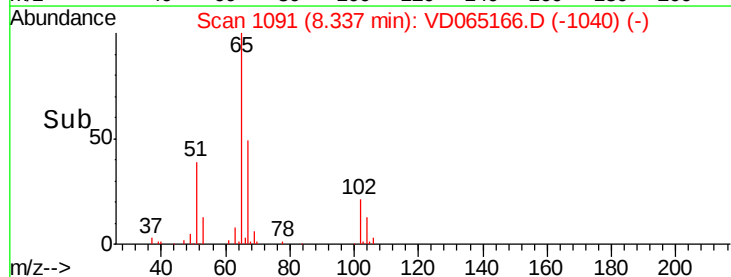
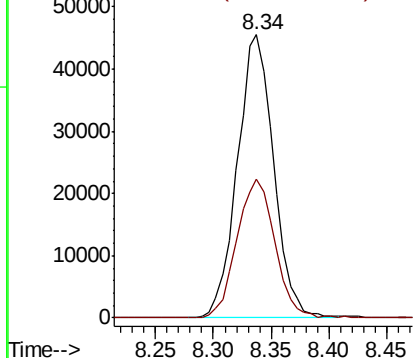


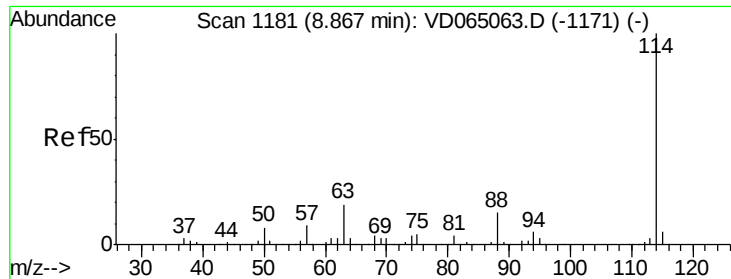
#33
1,2-Dichloroethane-d4
Concen: 84.319 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065166.D
Acq: 12 Feb 2020 16:45

Tgt Ion: 65 Resp: 99694
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065166.D

Acq: 12 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampled :

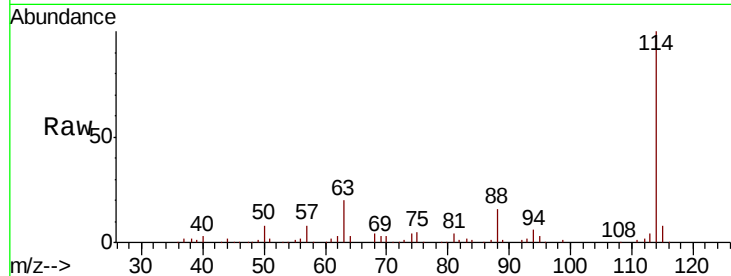
Tot Ion:114 Resp: 219328

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.8

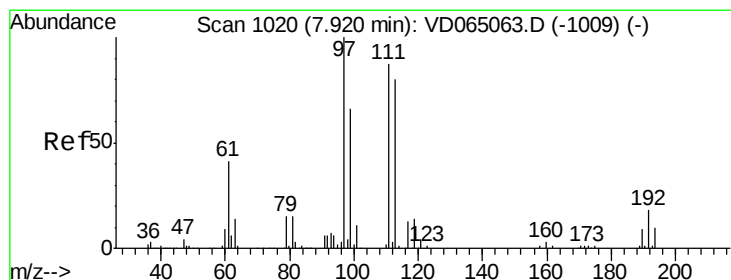
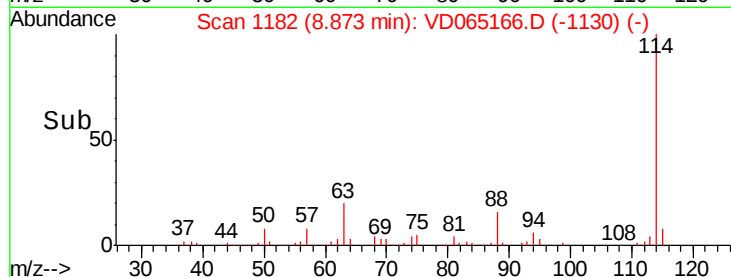
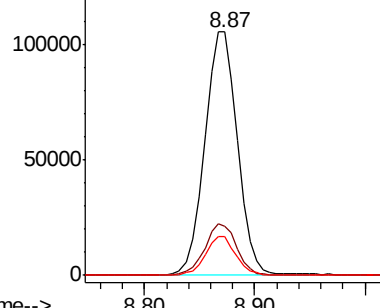
88 16.1 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 69.756 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065166.D

Acq: 12 Feb 2020 16:45

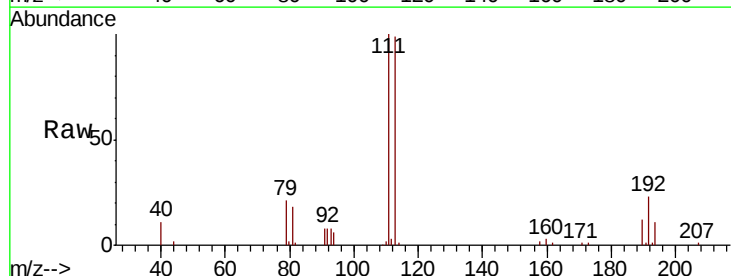
Tgt Ion:113 Resp: 85361

Ion Ratio Lower Upper

113 100

111 101.3 83.1 124.7

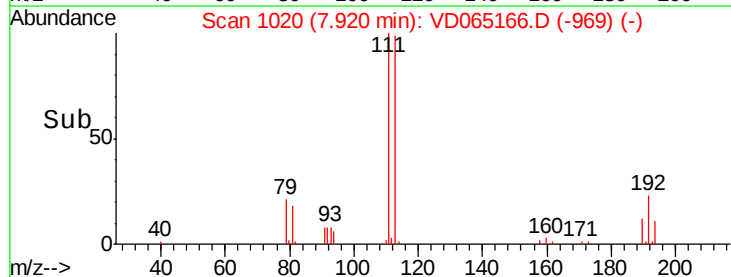
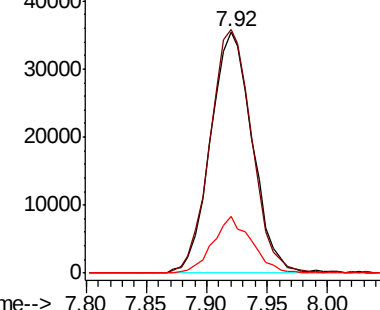
192 21.7 18.1 27.1

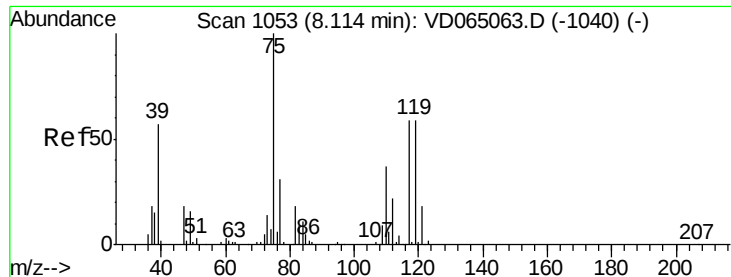


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

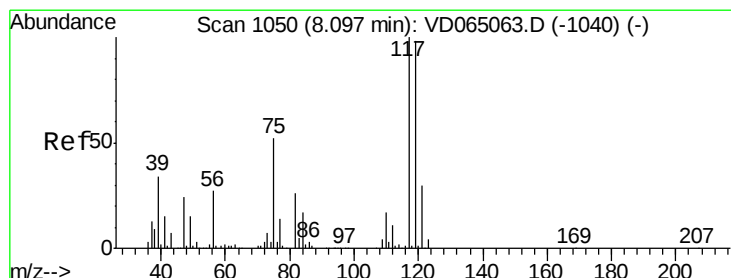
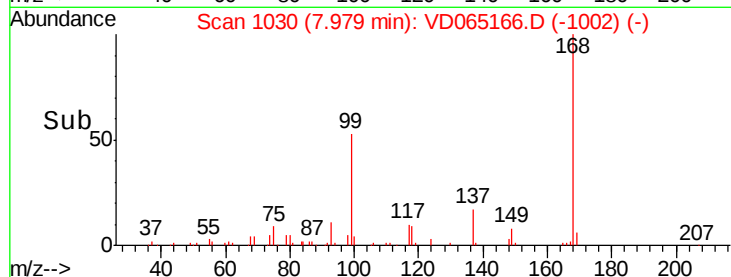
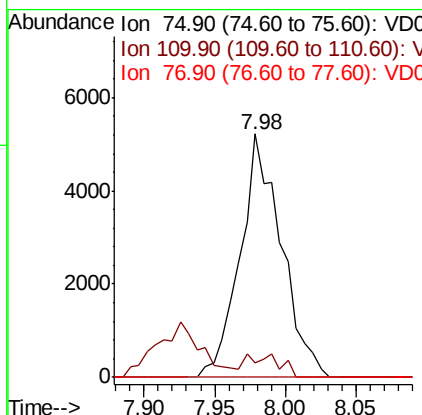
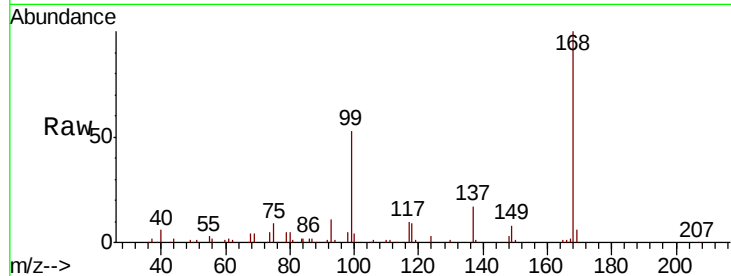




#36
 1,1-Dichloropropene
 Concen: 5.224 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065166.D
 Acq: 12 Feb 2020 16:45

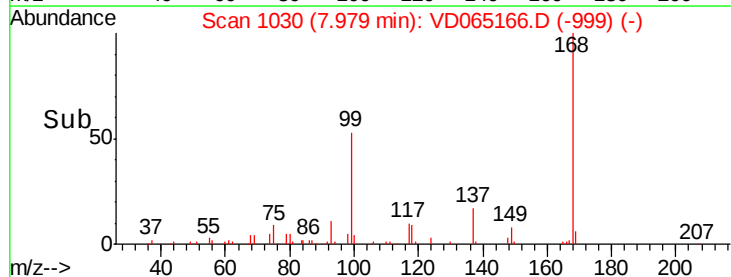
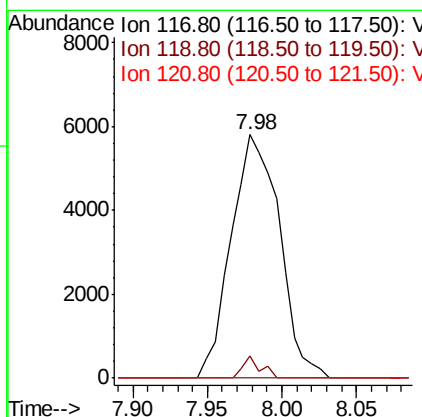
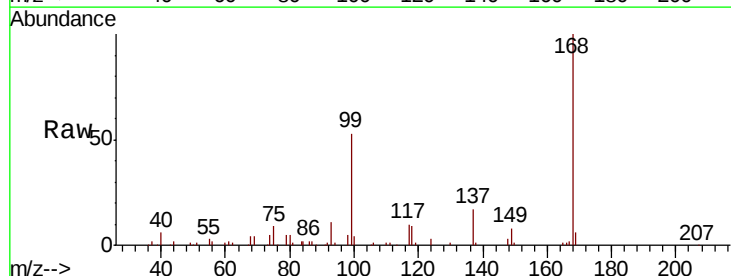
Instrument :
 MSVOA_D
 ClientSampleId :

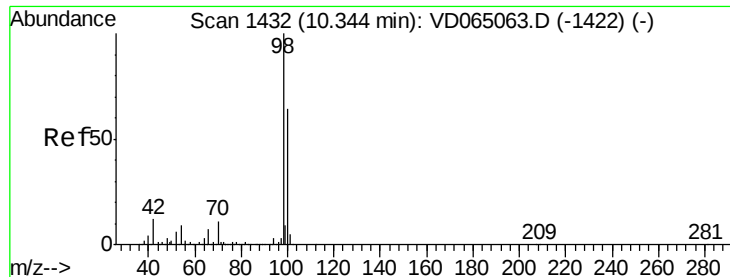
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.266 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065166.D
 Acq: 12 Feb 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	9.2	78.5	117.7#
121	0.0	23.8	35.6#

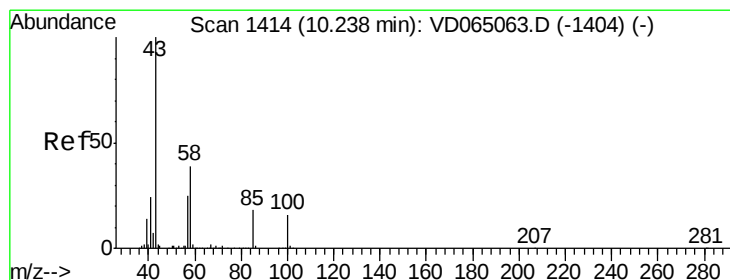
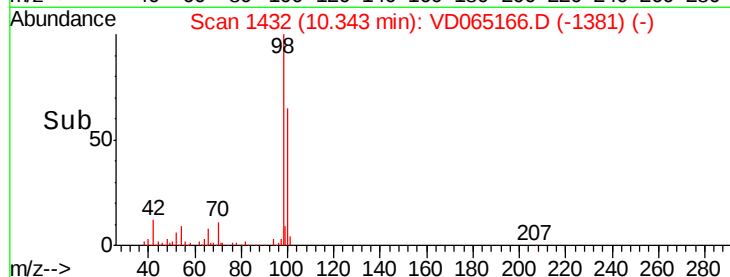
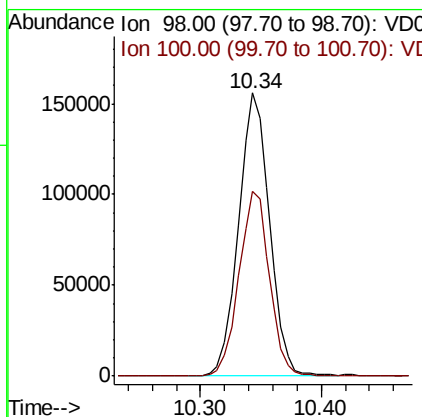
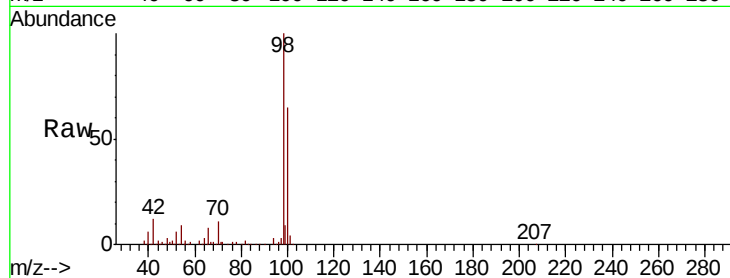




#50
Toluene-d8
Concen: 57.345 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065166.D
Acq: 12 Feb 2020 16:45

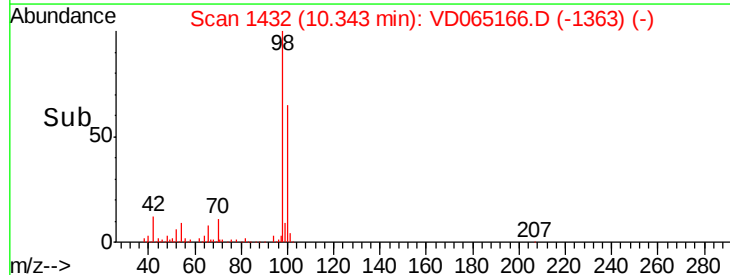
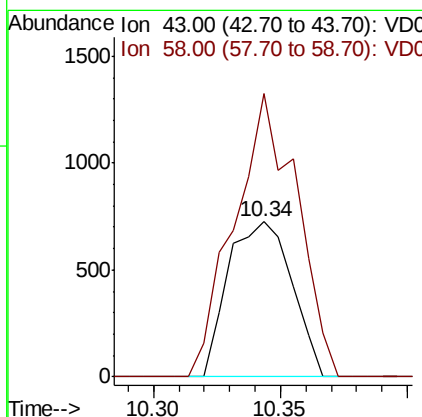
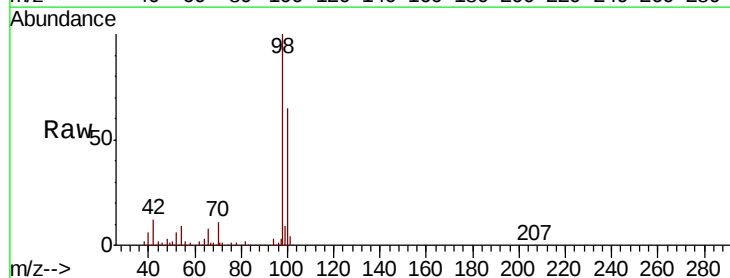
Instrument :
MSVOA_D
ClientSampleId :

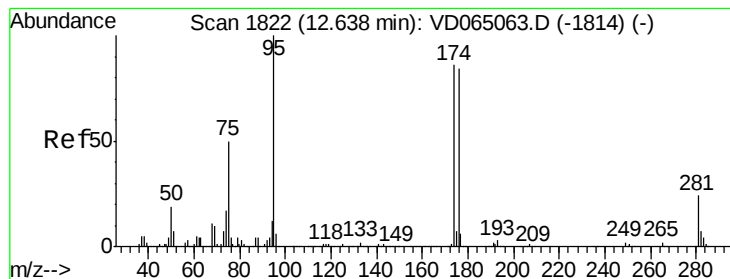
Tot Ion: 98 Resp: 279311
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.609 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065166.D
Acq: 12 Feb 2020 16:45

Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 179.8 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: 73.751 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065166.D

Acq: 12 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

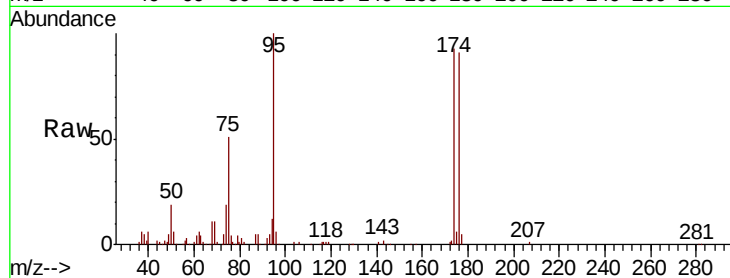
Tot Ion: 95 Resp: 113824

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.0

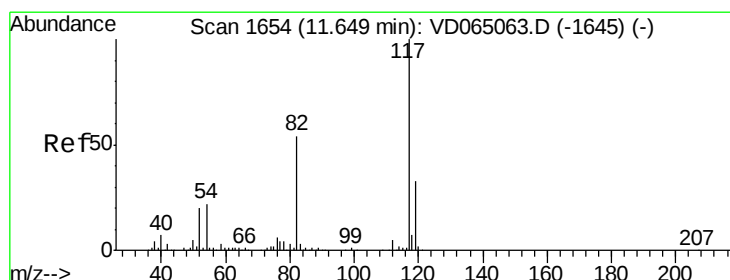
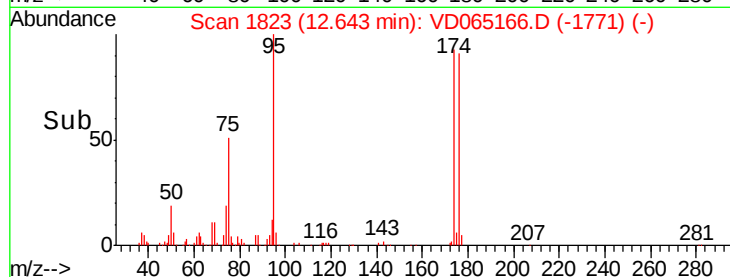
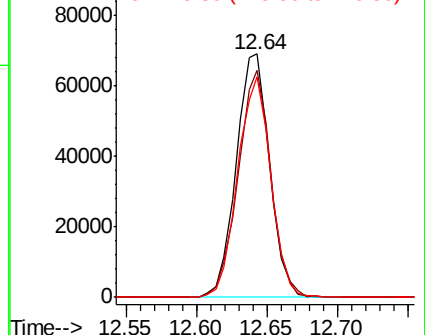
176 89.8 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065166.D

Acq: 12 Feb 2020 16:45

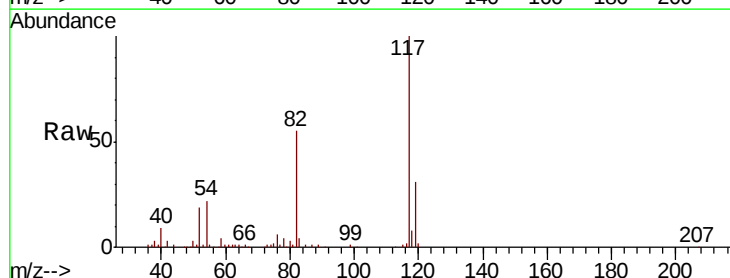
Tgt Ion: 117 Resp: 263464

Ion Ratio Lower Upper

117 100

82 54.8 43.1 64.7

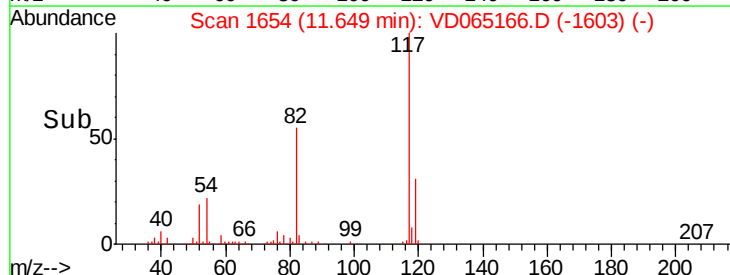
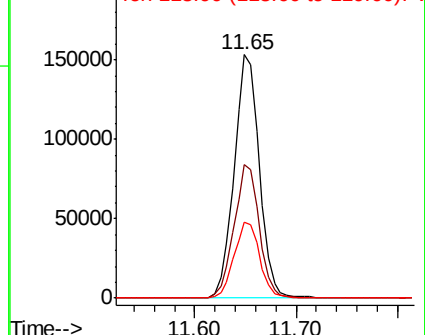
119 31.3 26.0 39.0

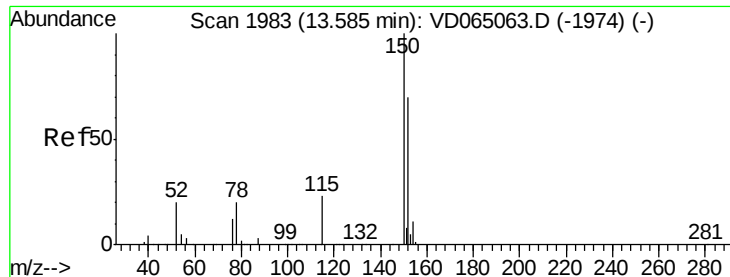


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065166.D

Acq: 12 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

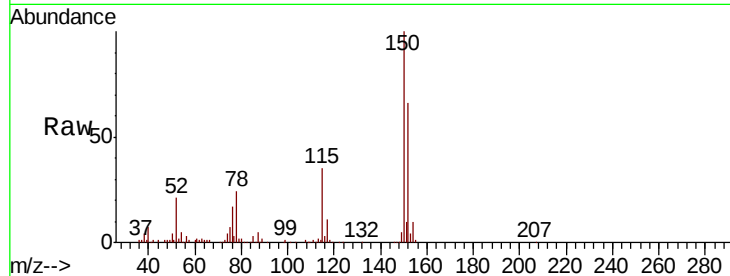
Tot Ion:152 Resp: 135124

Ion Ratio Lower Upper

152 100

115 55.8 27.5 82.4

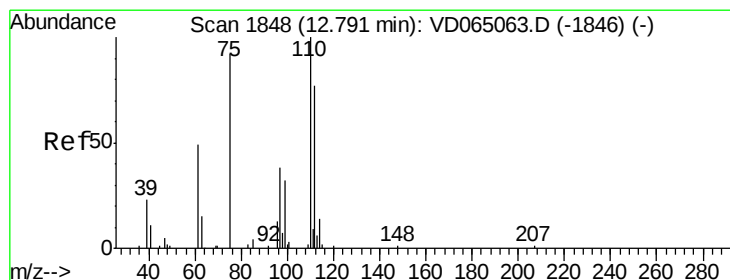
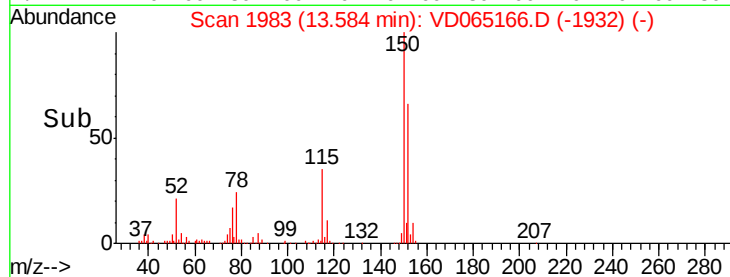
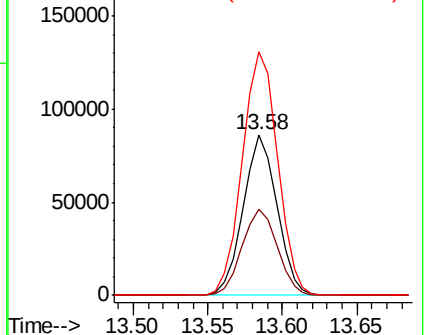
150 158.8 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 57.001 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065166.D

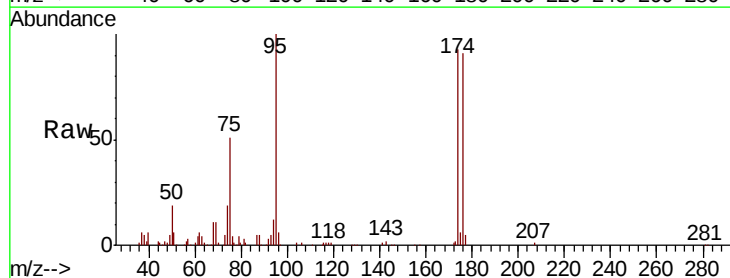
Acq: 12 Feb 2020 16:45

Tgt Ion: 75 Resp: 58314

Ion Ratio Lower Upper

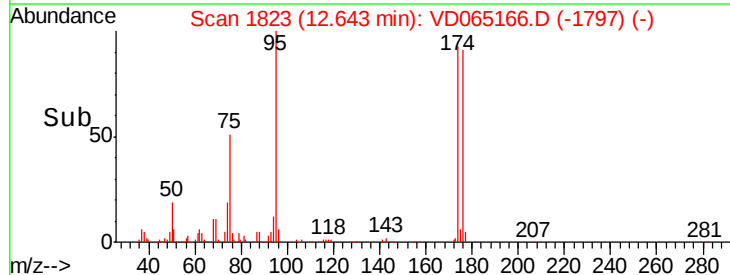
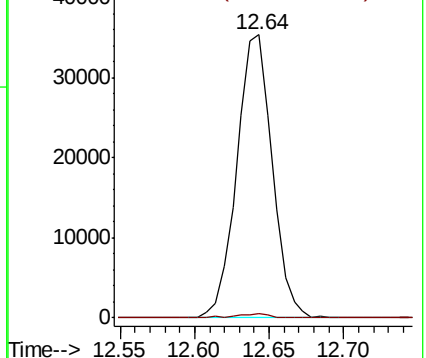
75 100

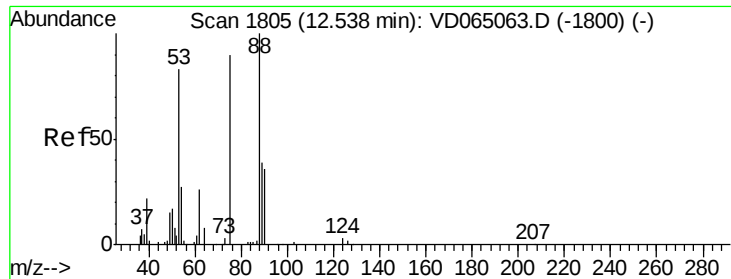
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.998 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065166.D

Acq: 12 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 58314

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.0 55.4#

