

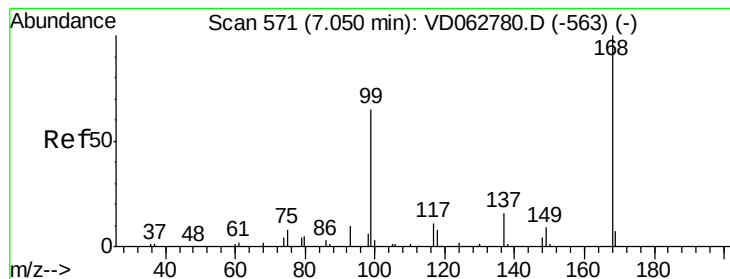
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063007.D
 Acq On : 2 Jul 2019 17:28
 Operator : VA/AP
 Sample : K3602-01
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 03 00:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1069015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1420638	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1225637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	629833	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	466872	40.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.36%	
35) Dibromofluoromethane	6.94	113	551298	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
50) Toluene-d8	10.42	98	1235160	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	13.56	95	544464	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
Target Compounds						
16) Acetone	3.25	43	3577	Below Cal	#	64
31) Cyclohexane	7.05	56	22347	2.048	ug/l #	16
36) 1,1-Dichloropropene	7.06	75	84157	6.258	ug/l #	53
37) Ethyl Acetate	6.20	43	809	Below Cal	#	1
38) Carbon Tetrachloride	7.06	117	105535	5.218	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	8174	1.635	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	252064	132.275	ug/l #	2

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

Instrument :

MSVOA_D

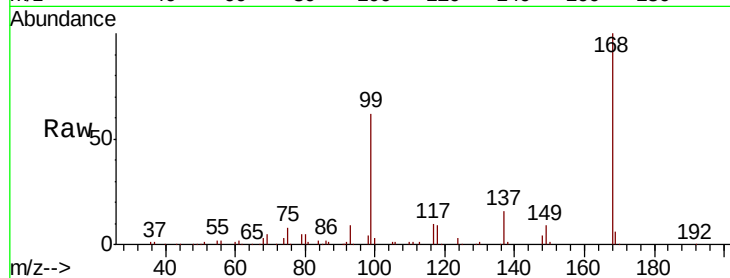
ClientSampleId :

Tot Ion:168 Resp: 1069015

Ion Ratio Lower Upper

168 100

99 62.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

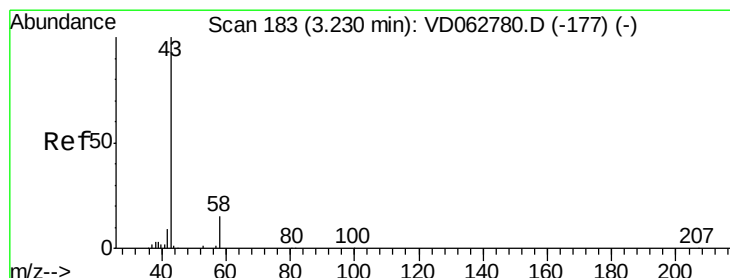
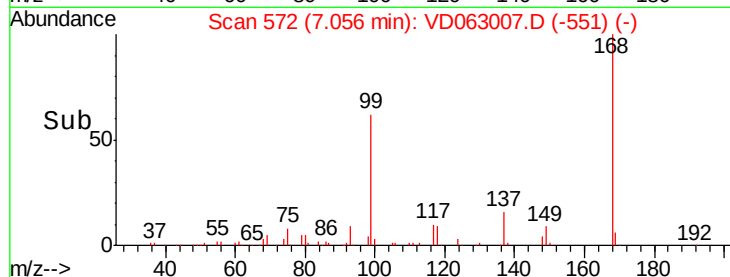
300000

200000

100000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD063007.D

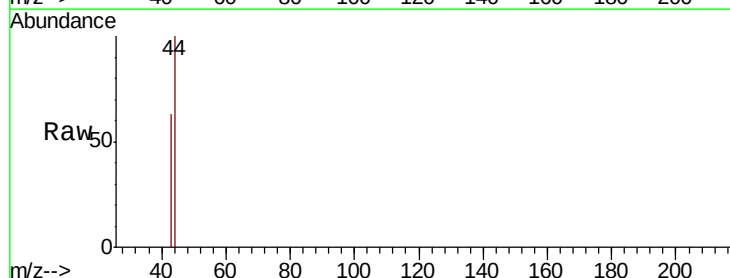
Acq: 2 Jul 2019 17:28

Tgt Ion: 43 Resp: 3577

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.25

1200

1000

800

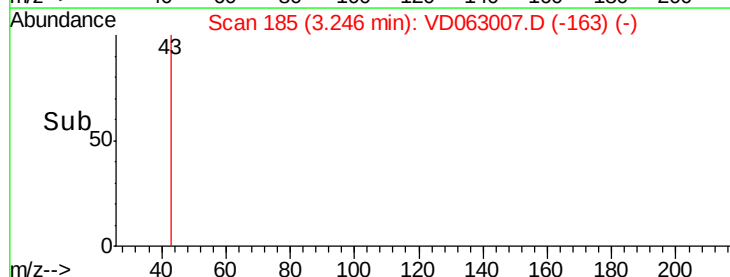
600

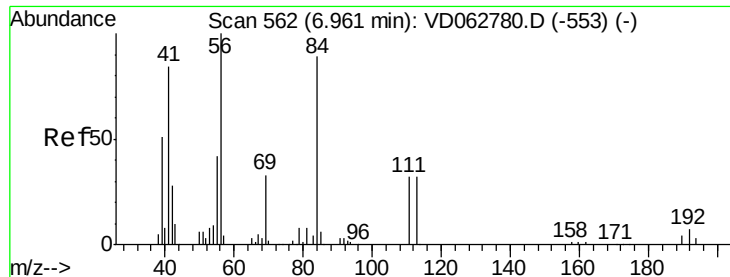
400

200

0

Time-->





#31

Cyclohexane

Concen: 2.048 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

Instrument :

MSVOA_D

ClientSampleId :

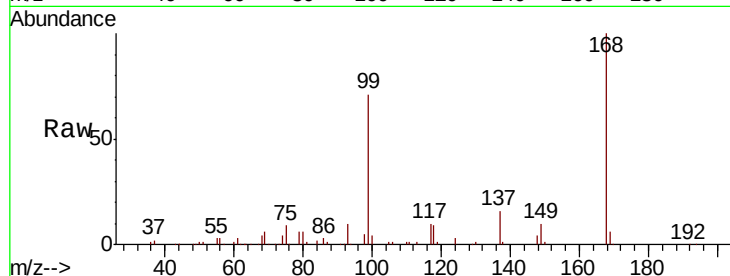
Tot Ion: 56 Resp: 22347

Ion Ratio Lower Upper

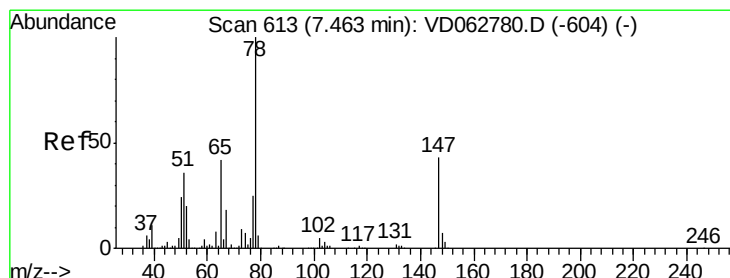
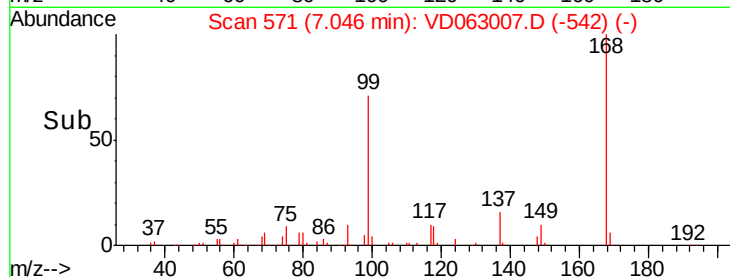
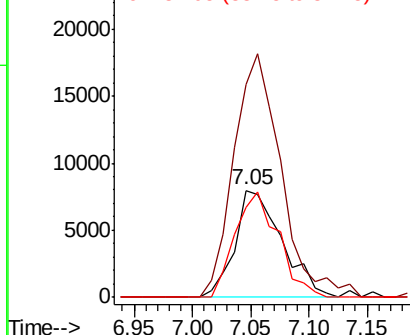
56 100

69 199.1 26.6 39.8#

84 84.3 75.5 113.3



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: 40.178 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD063007.D

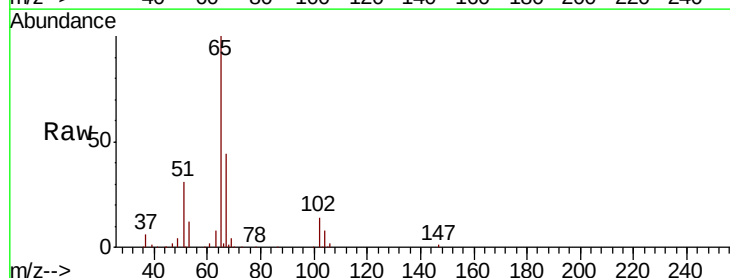
Acq: 2 Jul 2019 17:28

Tgt Ion: 65 Resp: 466872

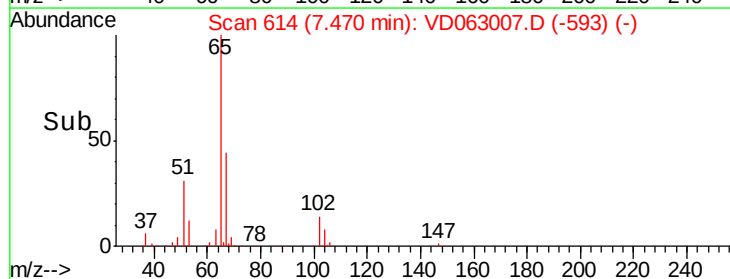
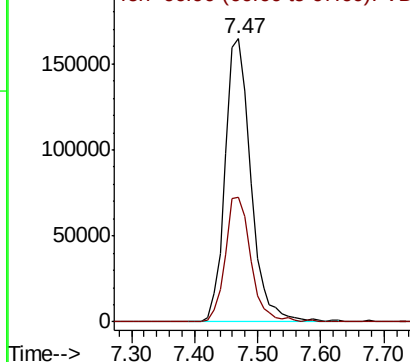
Ion Ratio Lower Upper

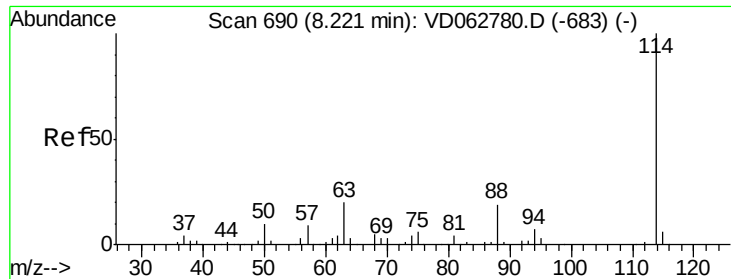
65 100

67 44.2 0.0 87.4



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

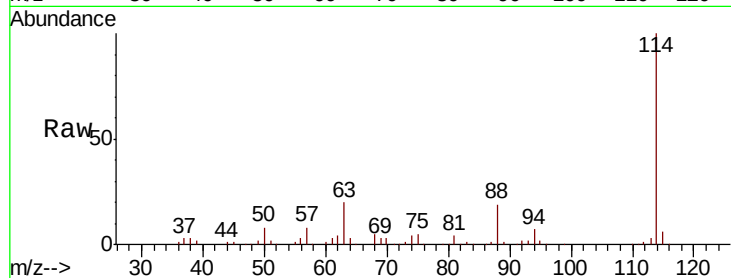




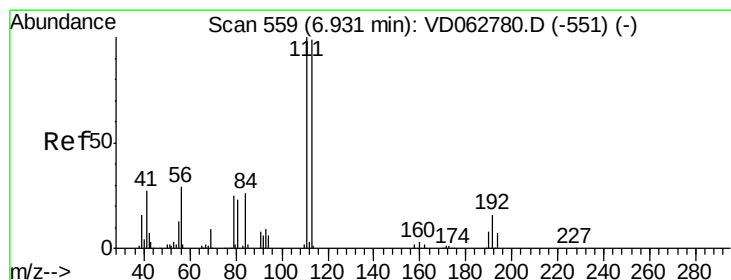
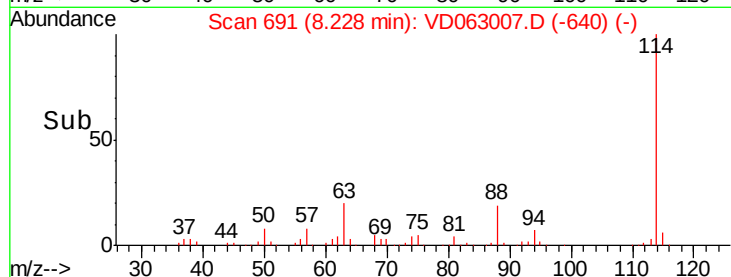
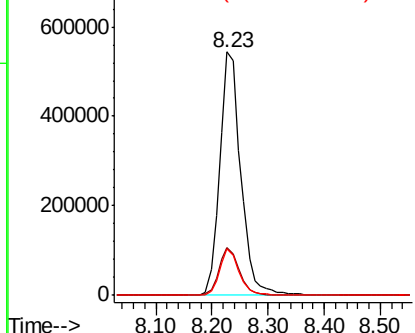
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD063007.D
 Acq: 2 Jul 2019 17:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1420638
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 19.1 0.0 38.8

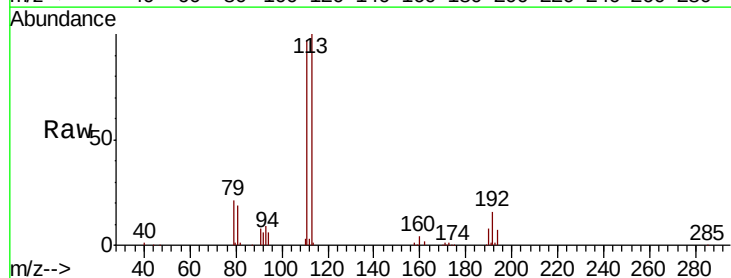


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

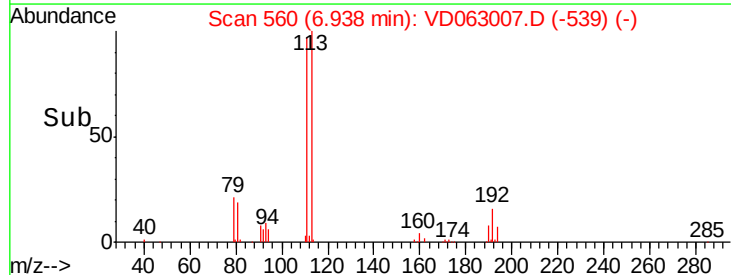
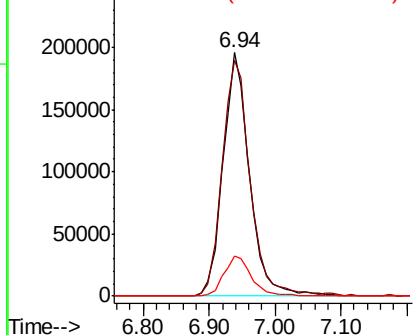


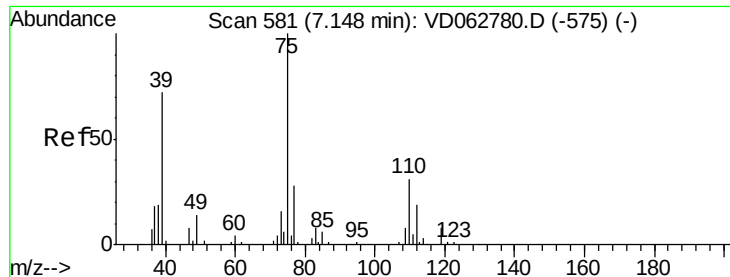
#35
 Dibromofluoromethane
 Concen: 46.023 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD063007.D
 Acq: 2 Jul 2019 17:28

Tgt Ion:113 Resp: 551298
 Ion Ratio Lower Upper
 113 100
 111 97.0 81.2 121.8
 192 16.4 12.9 19.3



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

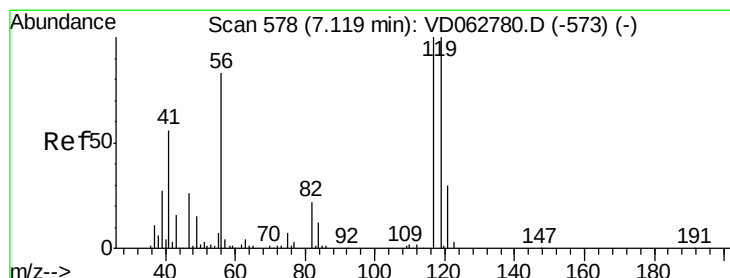
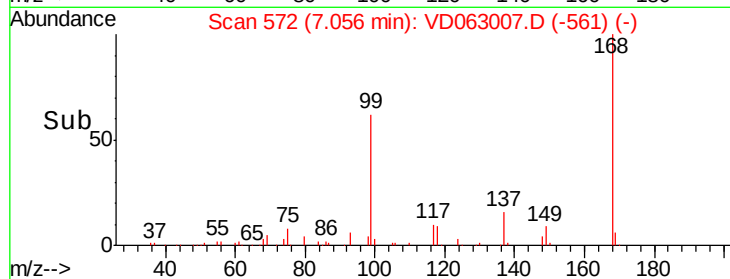
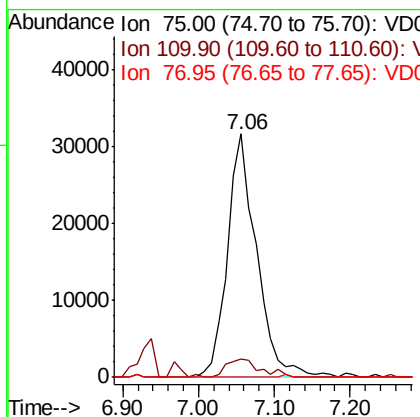
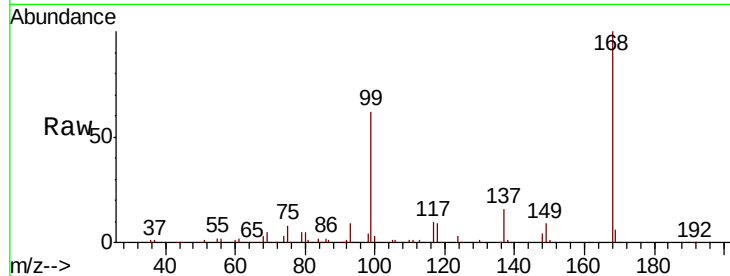




#36
 1,1-Dichloropropene
 Concen: 6.258 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD063007.D
 Acq: 2 Jul 2019 17:28

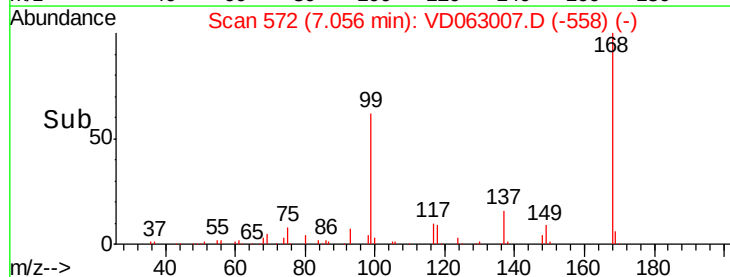
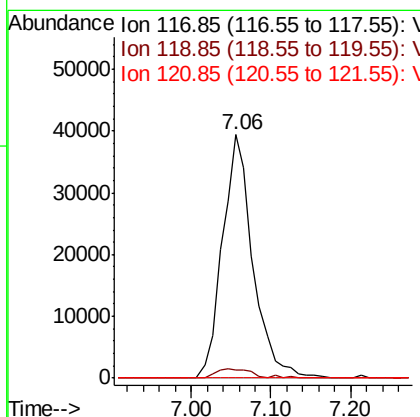
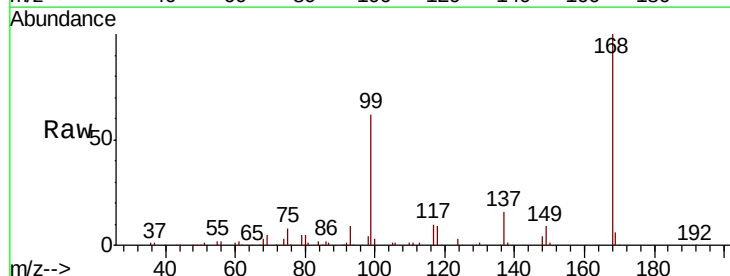
Instrument :
 MSVOA_D
 ClientSampleId :

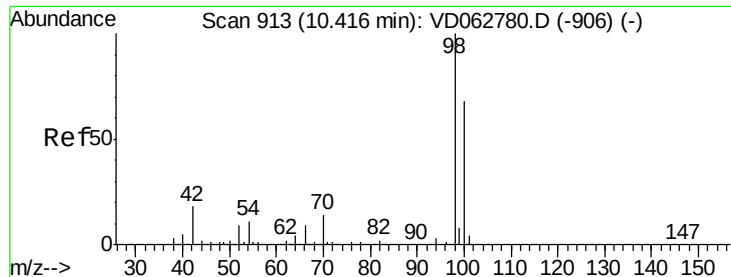
Tot Ion	75	Resp	84157
Ion Ratio	100	Lower	Upper
75	100		
110	7.4	15.0	45.1#
77	0.0	22.2	33.2#



#38
 Carbon Tetrachloride
 Concen: 5.218 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD063007.D
 Acq: 2 Jul 2019 17:28

Tgt Ion	117	Resp	105535
Ion Ratio	100	Lower	Upper
117	100		
119	3.3	75.4	113.2#
121	0.0	22.3	33.5#

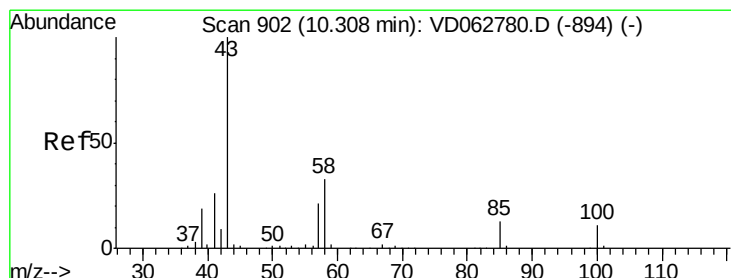
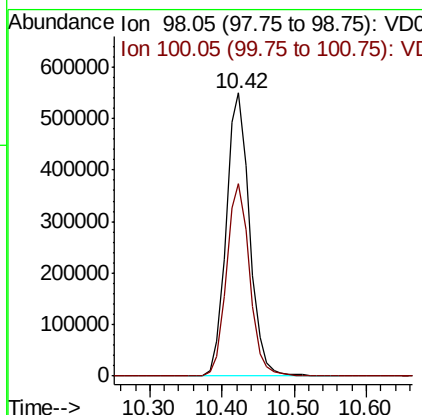
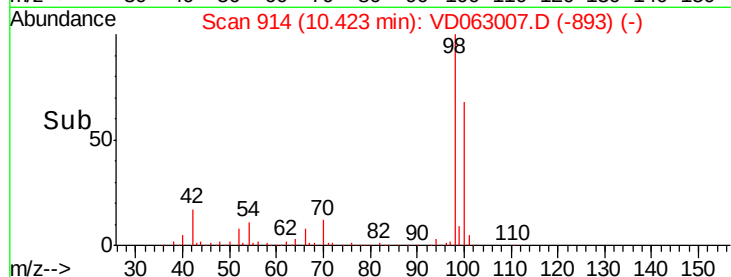
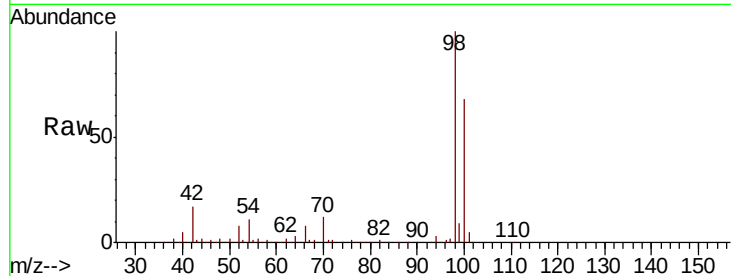




#50
Toluene-d8
Concen: 47.376 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD063007.D
Acq: 2 Jul 2019 17:28

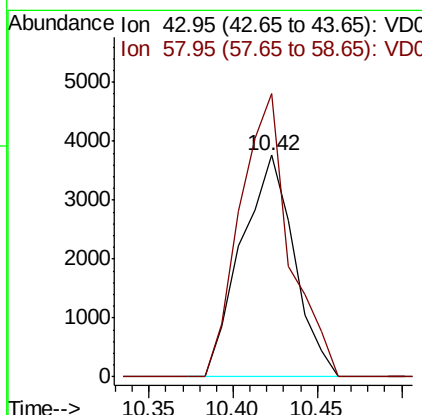
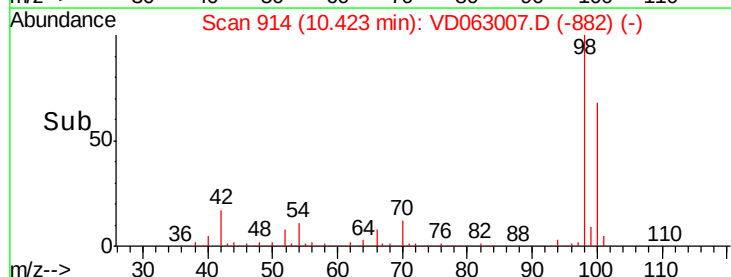
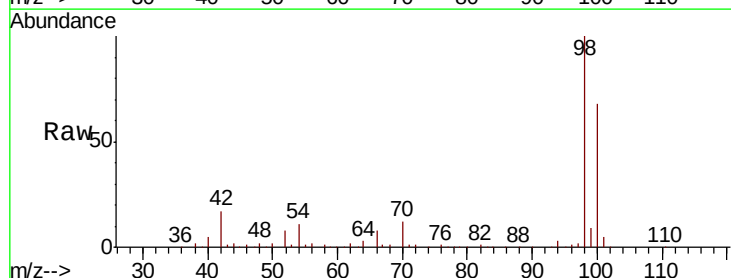
Instrument :
MSVOA_D
ClientSampled :

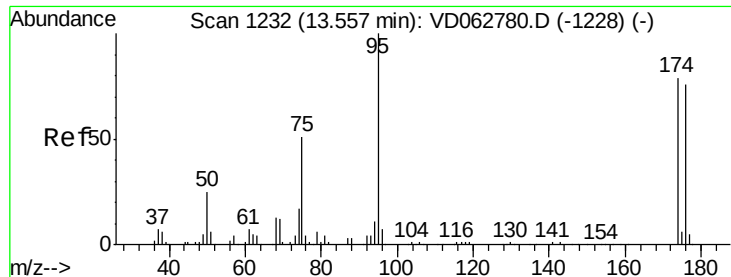
Tot Ion: 98 Resp: 1235160
Ion Ratio Lower Upper
98 100
100 68.1 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.635 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.11 min
Lab File: VD063007.D
Acq: 2 Jul 2019 17:28

Tgt Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
58 127.8 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 45.928 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

Instrument :

MSVOA_D

ClientSampled :

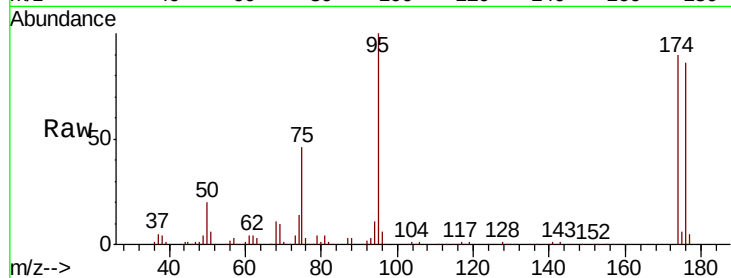
Tot Ion: 95 Resp: 544464

Ion Ratio Lower Upper

95 100

174 90.3 0.0 158.0

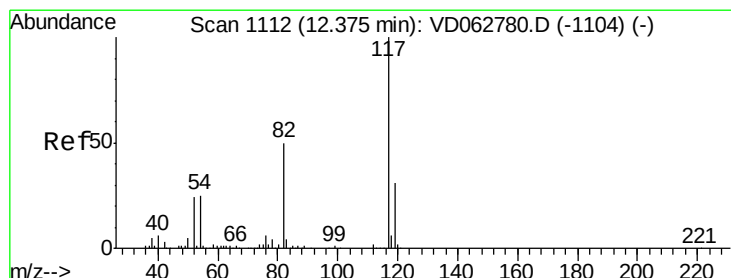
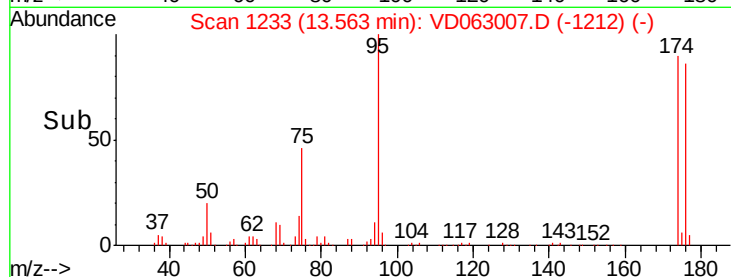
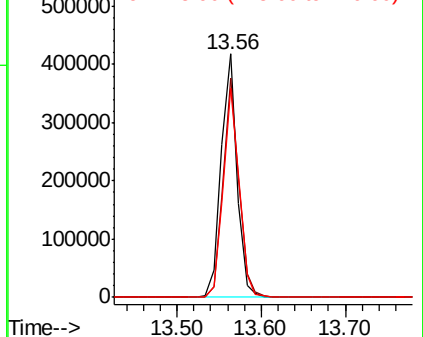
176 85.9 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

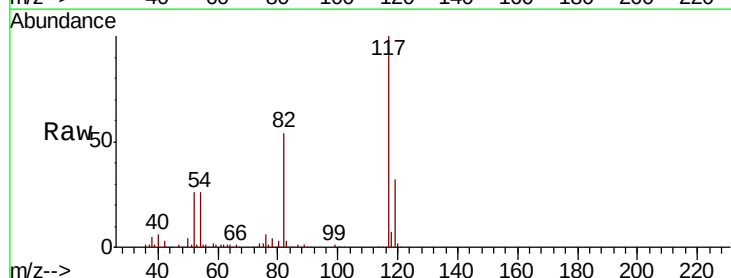
Tgt Ion: 117 Resp: 1225637

Ion Ratio Lower Upper

117 100

82 53.9 40.4 60.6

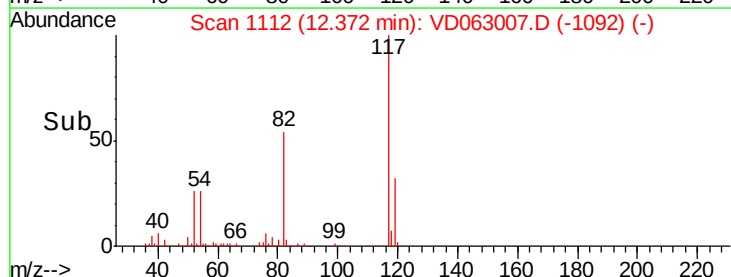
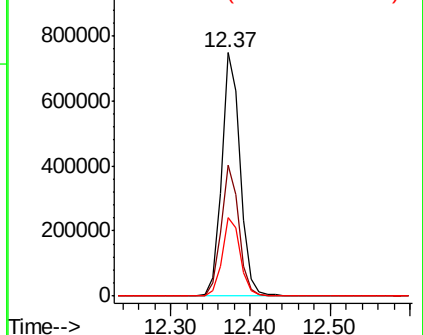
119 32.4 25.2 37.8

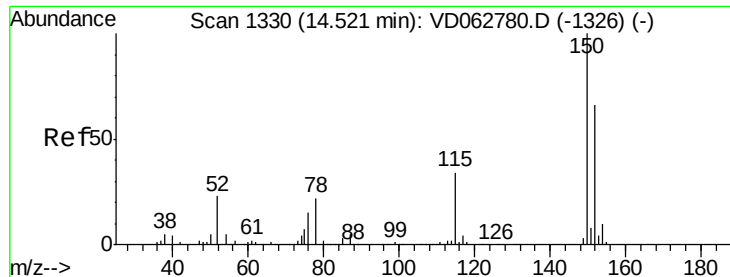


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



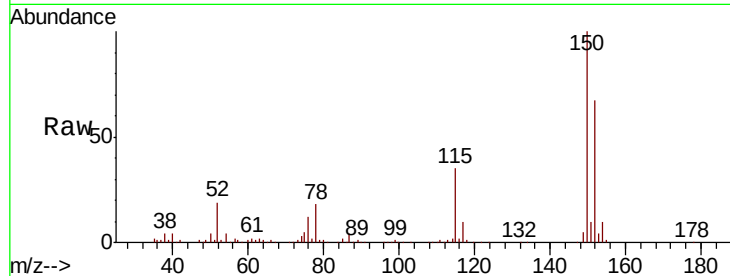


#72

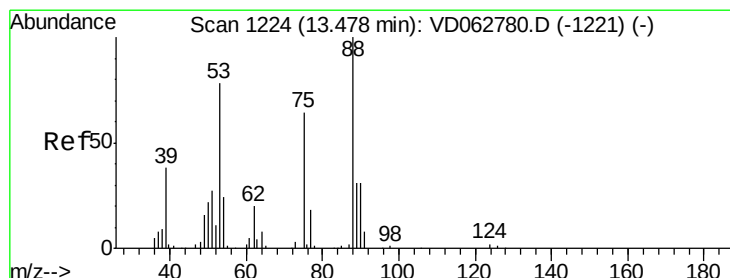
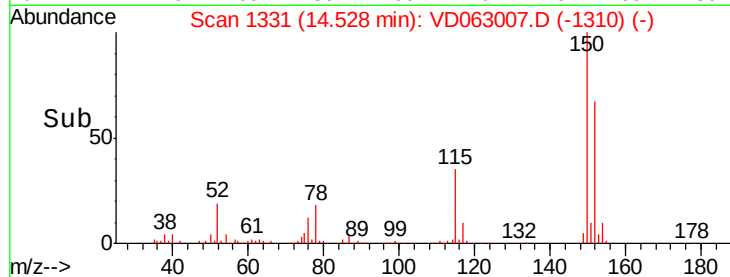
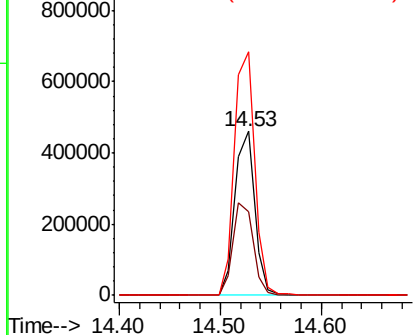
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063007.D
Acq: 2 Jul 2019 17:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 629833
Ion Ratio Lower Upper
152 100
115 51.3 29.2 87.6
150 148.4 0.0 305.8



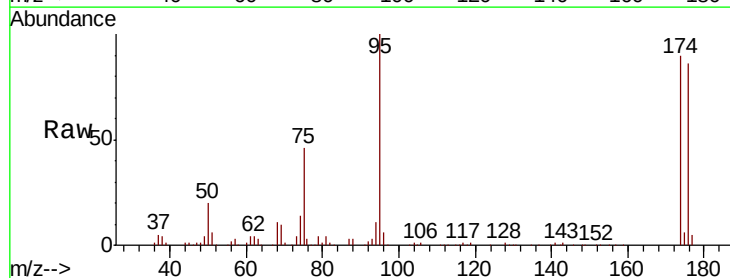
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 132.275 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD063007.D
Acq: 2 Jul 2019 17:28

Tgt Ion: 75 Resp: 252064
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

