

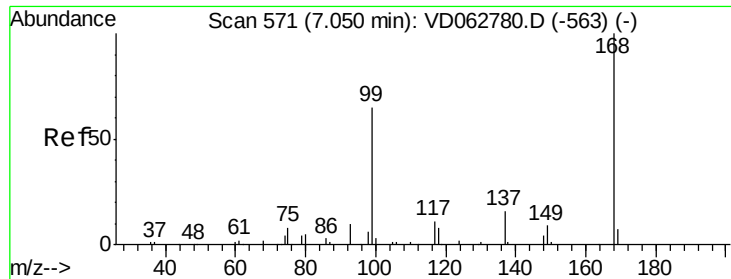
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062849.D
 Acq On : 24 Jun 2019 19:15
 Operator : VA/AP
 Sample : K3500-05
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(9-10)

Quant Time: Jun 25 05:05:21 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	7.05	168	709649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1003702	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	823914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	429426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	384977	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
35) Dibromofluoromethane	6.93	113	428737	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
50) Toluene-d8	10.41	98	843789	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
62) 4-Bromofluorobenzene	13.56	95	383988	45.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.70%	
Target Compounds						
					Qvalue	
13) Acrolein	3.10	56	450	1.255	ug/l #	15
16) Acetone	3.23	43	1112	Below Cal	#	64
20) Methylene Chloride	3.81	84	36792	6.254	ug/l	88
31) Cyclohexane	7.06	56	19020	2.626	ug/l #	2
36) 1,1-Dichloropropene	7.05	75	56576	5.954	ug/l #	53
37) Ethyl Acetate	6.19	43	297	Below Cal	#	69
51) 4-Methyl-2-Pentanone	10.42	43	4921	1.393	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	191384	147.302	ug/l #	2

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

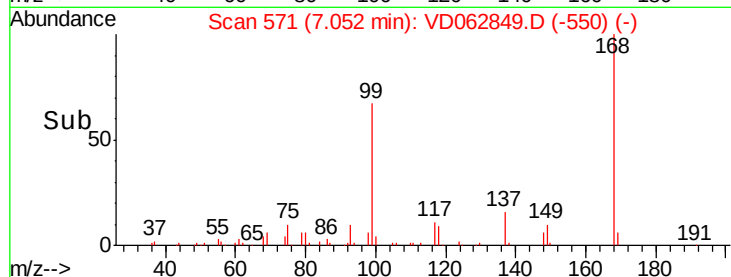
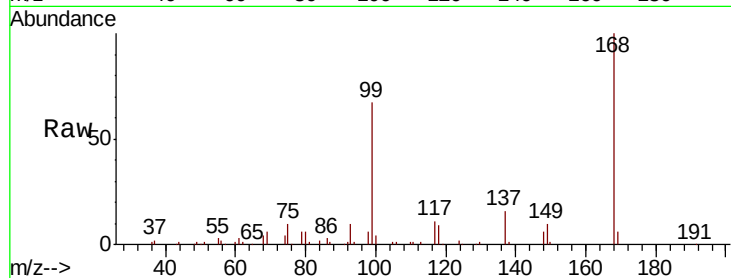
B-5(9-10)

Tot Ion:168 Resp: 709649

Ion Ratio Lower Upper

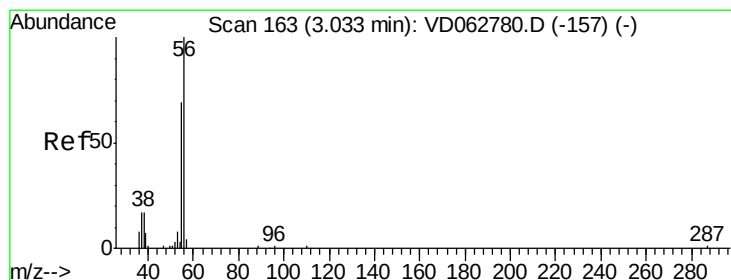
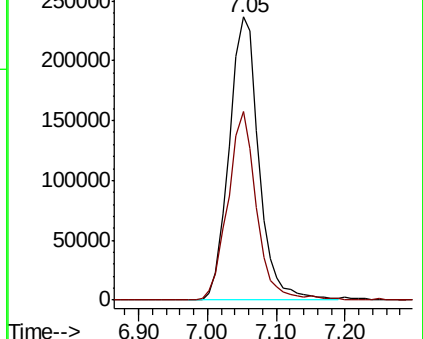
168 100

99 66.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 1.255 ug/l

RT: 3.10 min Scan# 170

Delta R.T. 0.07 min

Lab File: VD062849.D

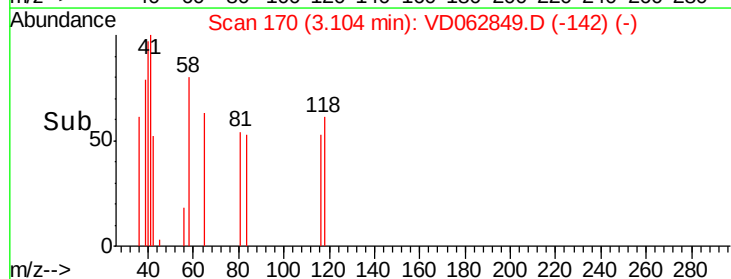
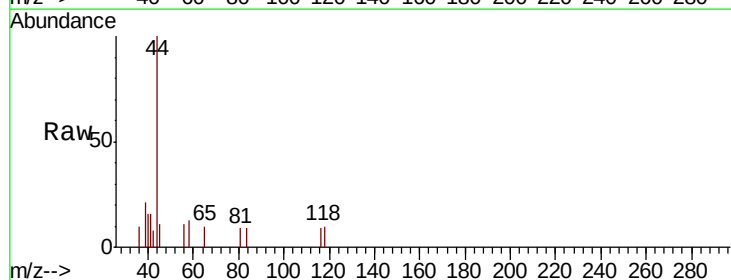
Acq: 24 Jun 2019 19:15

Tgt Ion: 56 Resp: 450

Ion Ratio Lower Upper

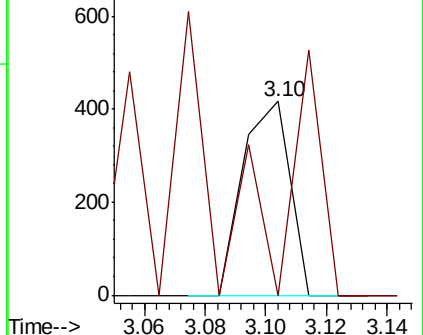
56 100

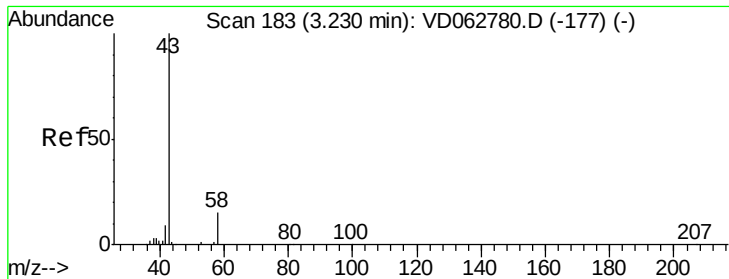
55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: Below Cal

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

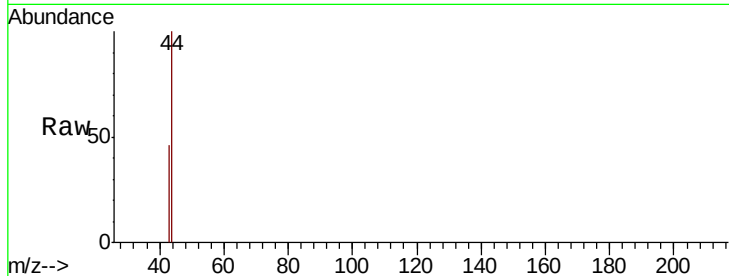
B-5(9-10)

Tot Ion: 43 Resp: 1112

Ion Ratio Lower Upper

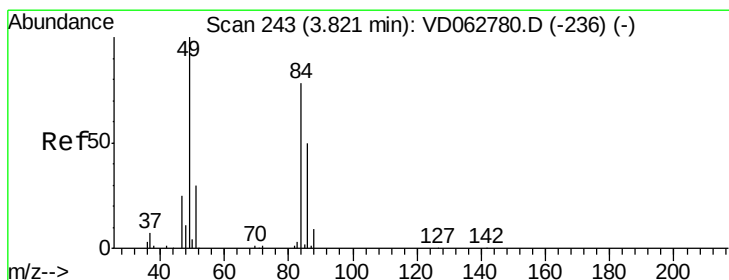
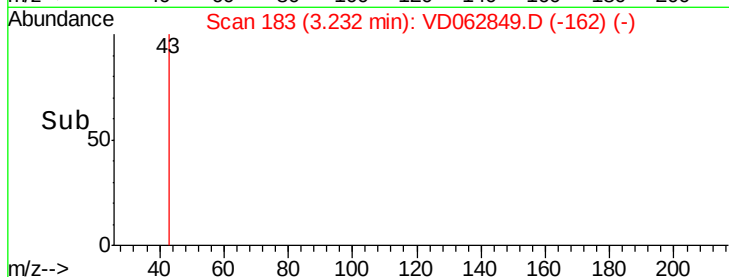
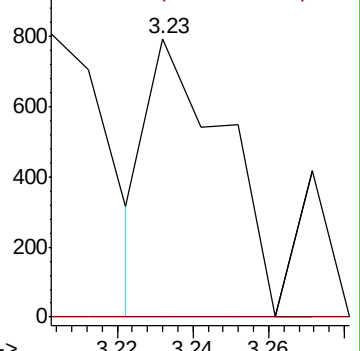
43 100

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



#20

Methylene Chloride

Concen: 6.254 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Tgt Ion: 84 Resp: 36792

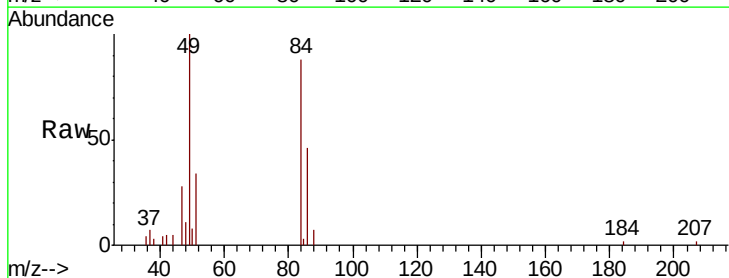
Ion Ratio Lower Upper

84 100

49 113.4 102.9 154.3

51 38.0 31.2 46.8

86 52.1 51.4 77.2

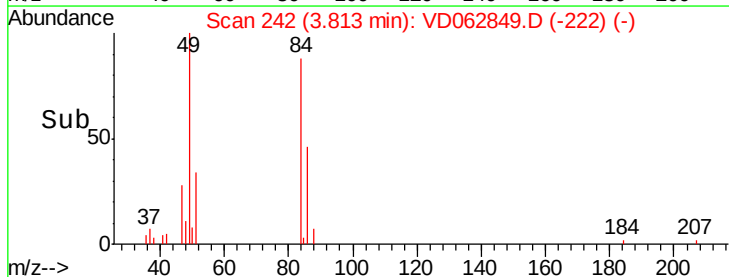
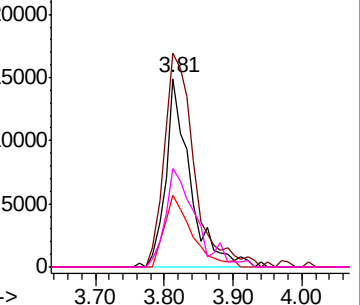


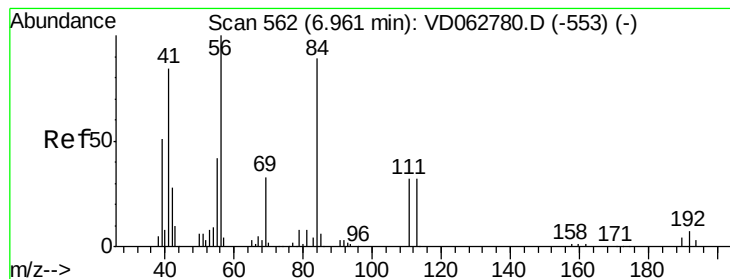
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 2.626 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

B-5(9-10)

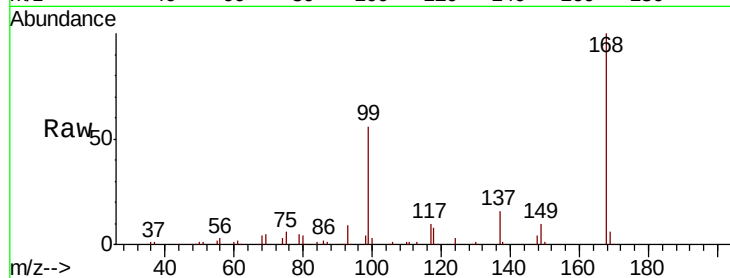
Tot Ion: 56 Resp: 19020

Ion Ratio Lower Upper

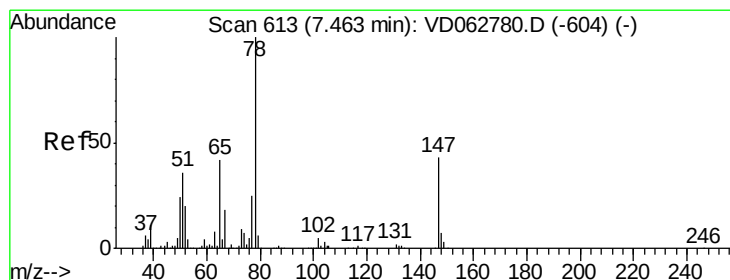
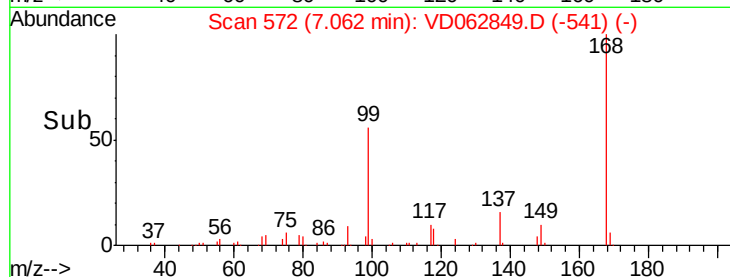
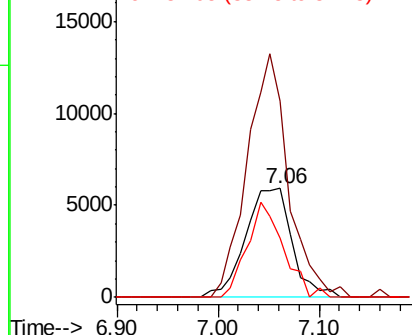
56 100

69 180.5 26.6 39.8#

84 54.4 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: 49.908 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062849.D

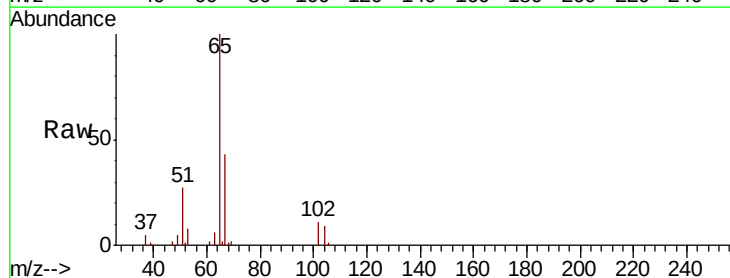
Acq: 24 Jun 2019 19:15

Tgt Ion: 65 Resp: 384977

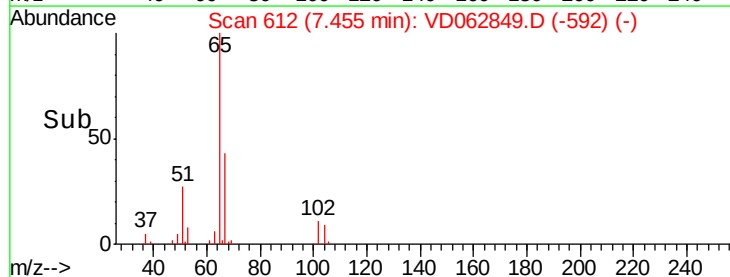
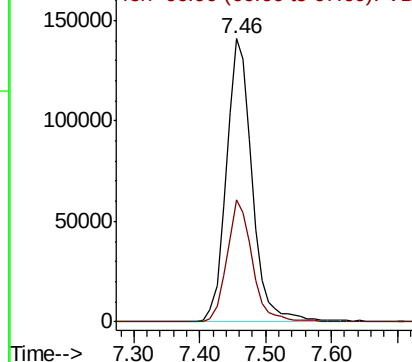
Ion Ratio Lower Upper

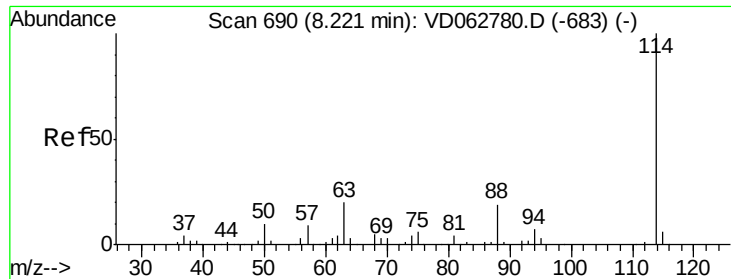
65 100

67 43.0 0.0 87.4



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

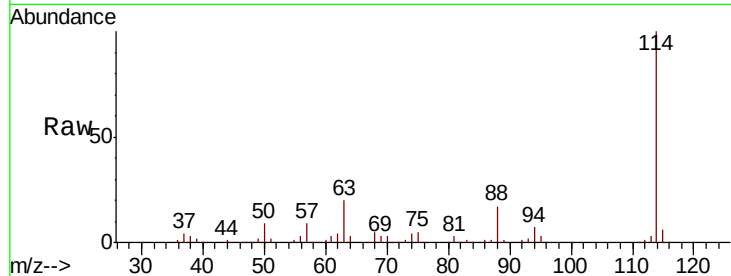




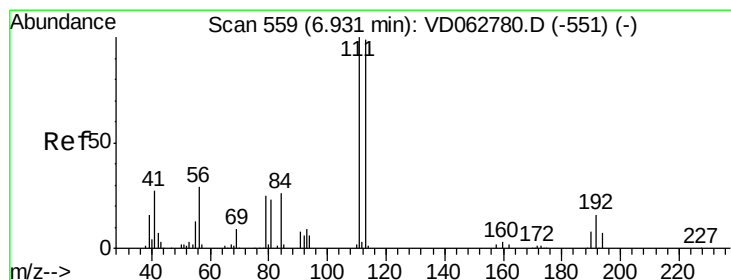
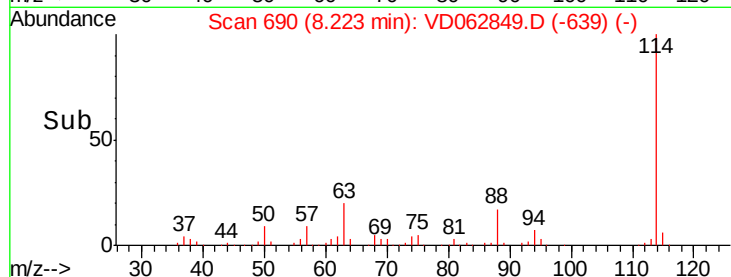
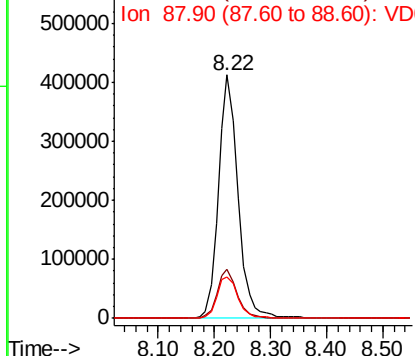
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062849.D
 Acq: 24 Jun 2019 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(9-10)

Tot Ion:114 Resp: 1003702
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 17.1 0.0 38.8

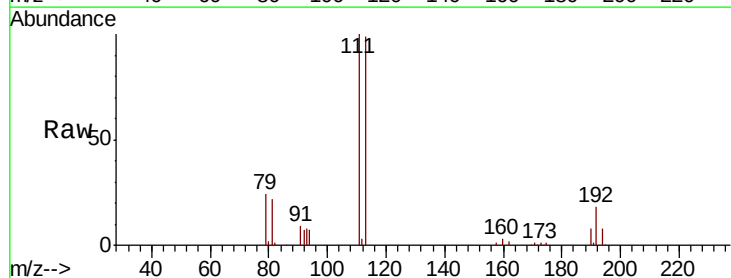


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

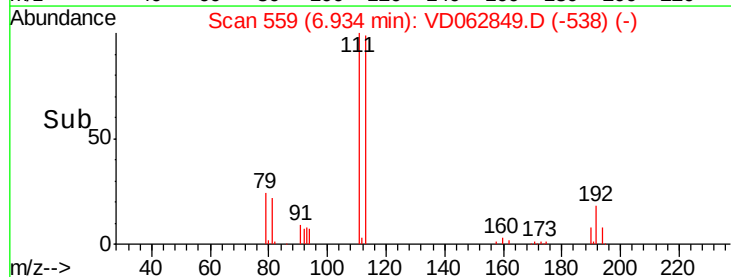
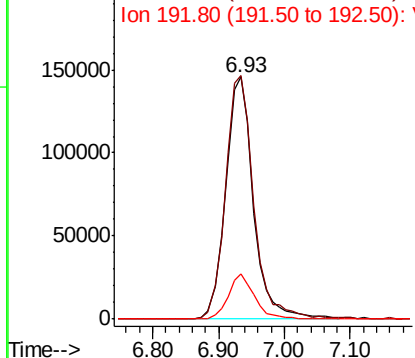


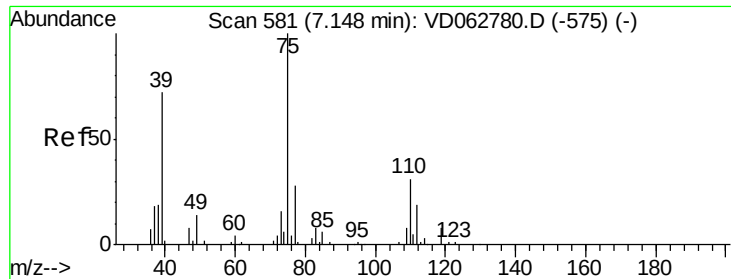
#35
 Dibromofluoromethane
 Concen: 50.659 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD062849.D
 Acq: 24 Jun 2019 19:15

Tgt Ion:113 Resp: 428737
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.2 121.8
 192 18.4 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

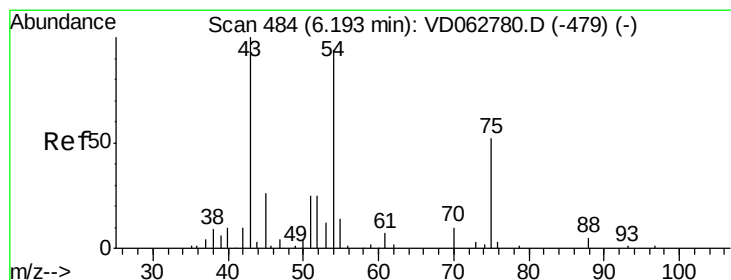
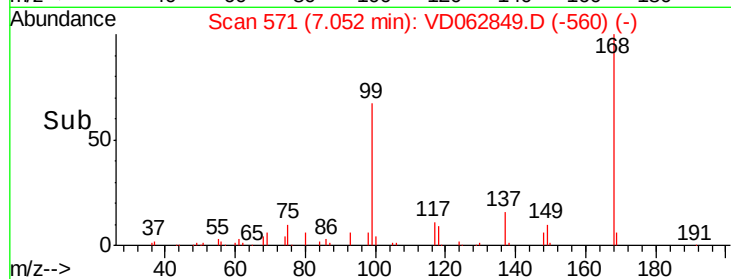
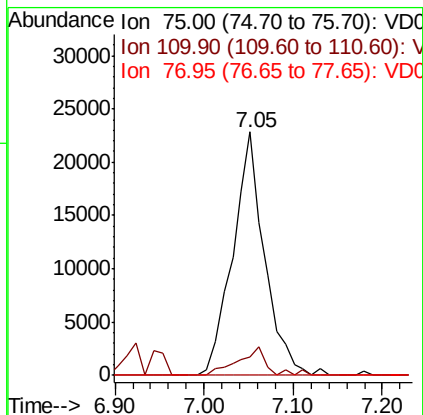
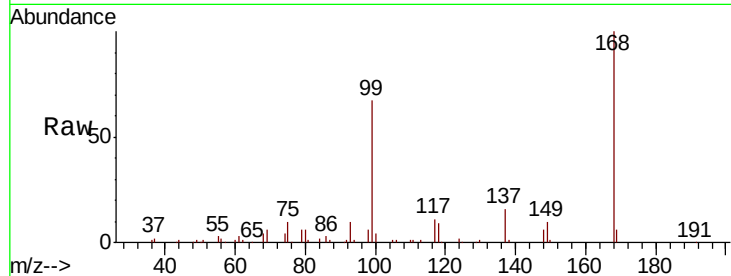




#36
 1,1-Dichloropropene
 Concen: 5.954 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD062849.D
 Acq: 24 Jun 2019 19:15

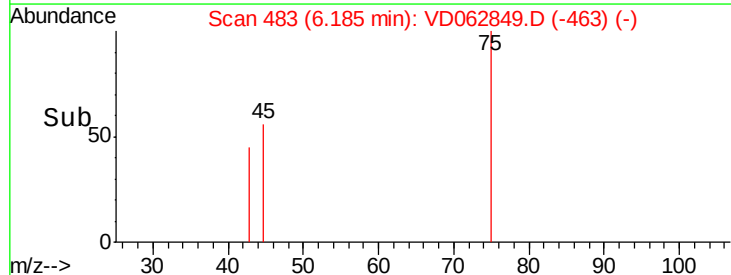
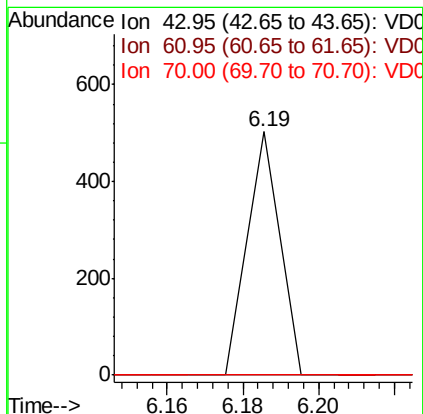
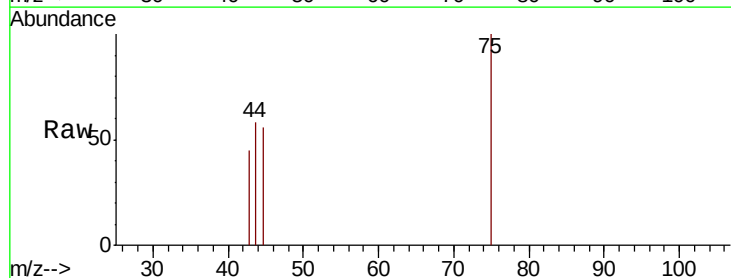
Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(9-10)

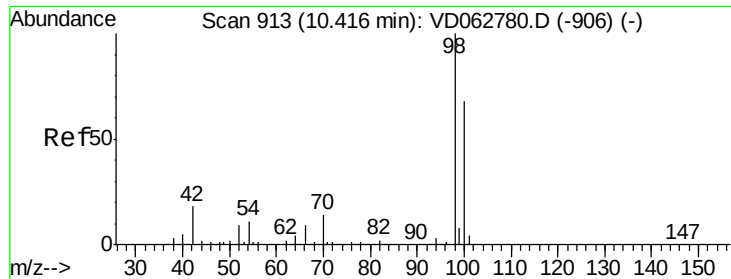
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.0	45.1#
77	0.0	22.2	33.2#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.19 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: VD062849.D
 Acq: 24 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	6.4	9.6#

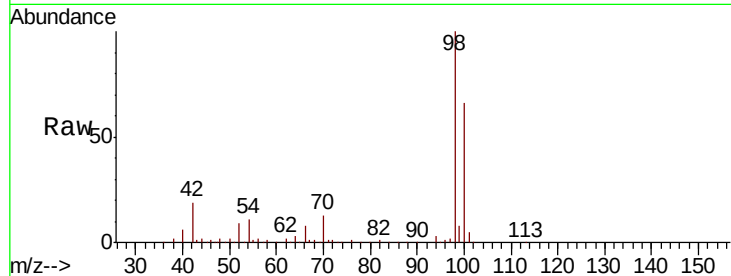




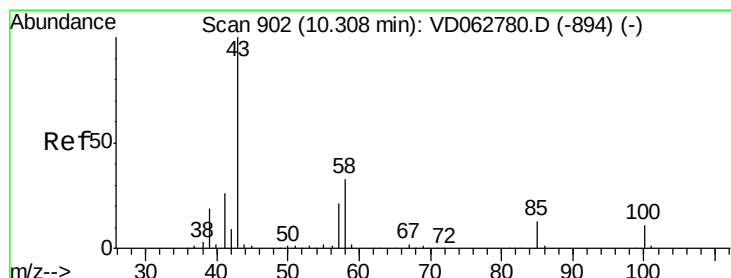
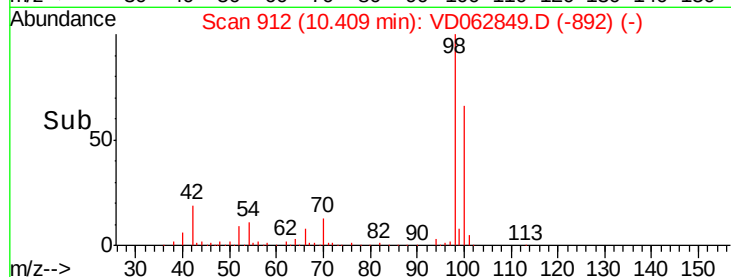
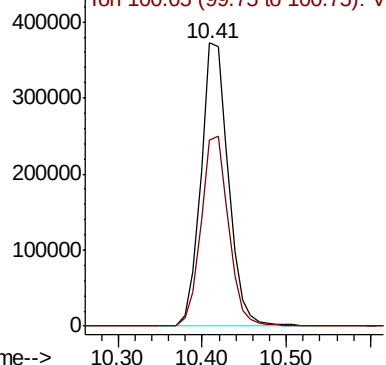
#50
Toluene-d8
Concen: 45.809 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062849.D
Acq: 24 Jun 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :
B-5(9-10)

Tot Ion: 98 Resp: 843789
Ion Ratio Lower Upper
98 100
100 65.8 54.7 82.1

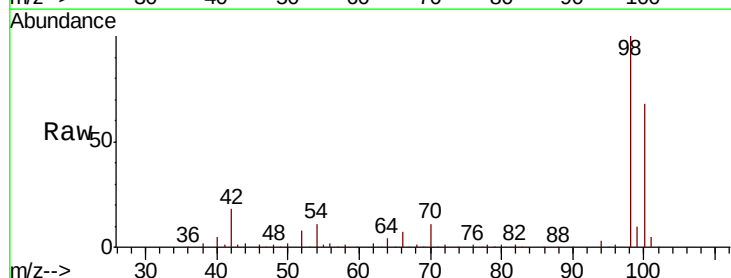


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

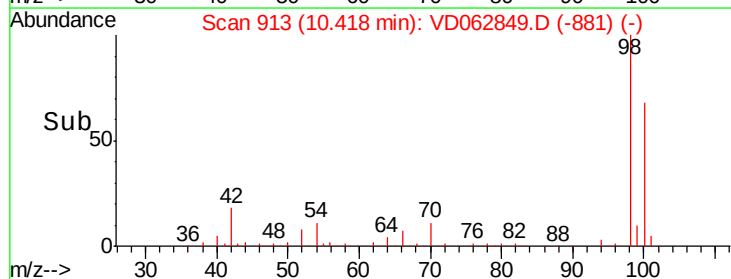
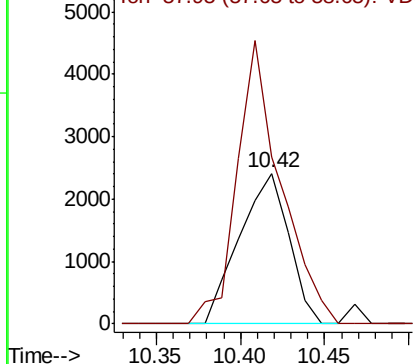


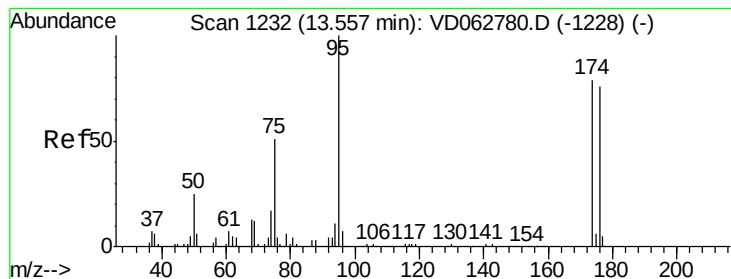
#51
4-Methyl-2-Pentanone
Concen: 1.393 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062849.D
Acq: 24 Jun 2019 19:15

Tgt Ion: 43 Resp: 4921
Ion Ratio Lower Upper
43 100
58 110.6 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 45.846 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

B-5(9-10)

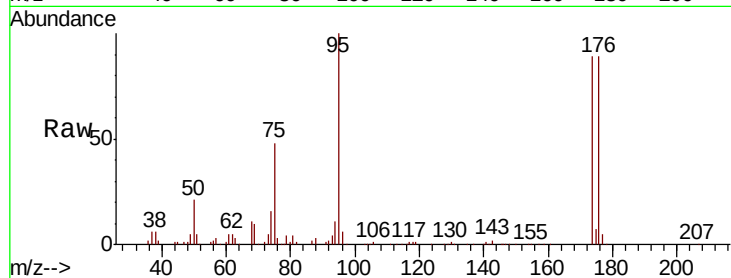
Tot Ion: 95 Resp: 383988

Ion Ratio Lower Upper

95 100

174 88.9 0.0 158.0

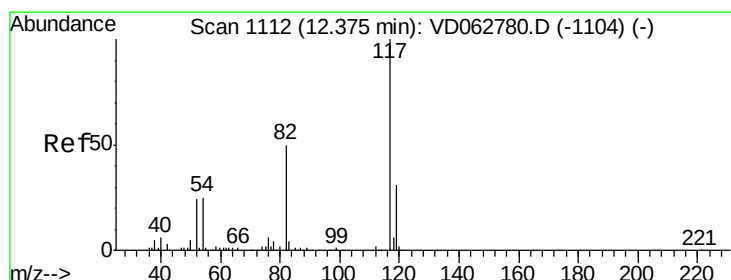
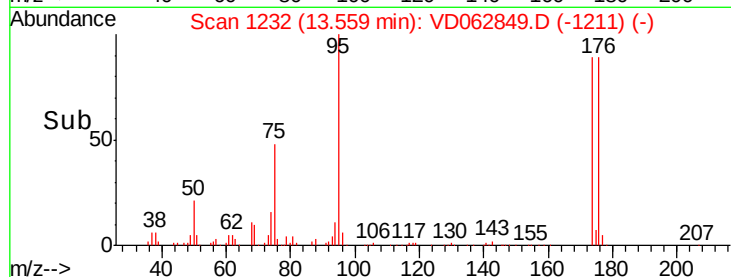
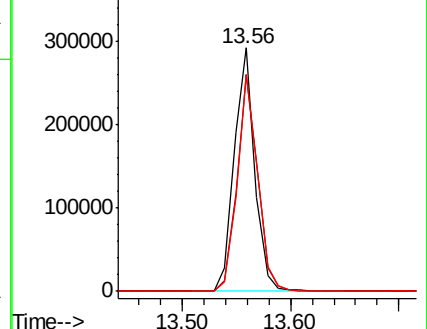
176 89.0 0.0 151.6



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# 1111

Delta R.T. -0.01 min

Lab File: VD062849.D

Acq: 24 Jun 2019 19:15

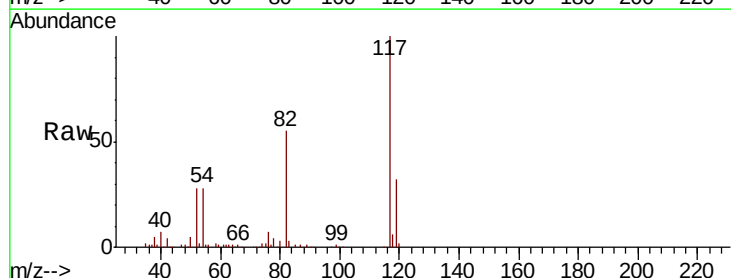
Tgt Ion: 117 Resp: 823914

Ion Ratio Lower Upper

117 100

82 55.1 40.4 60.6

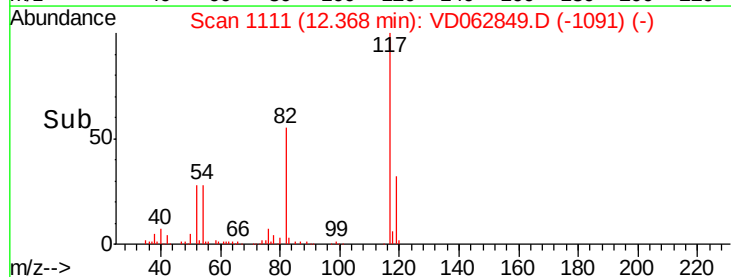
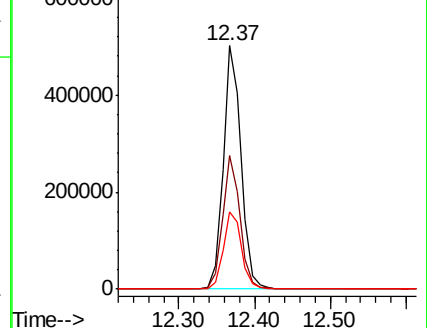
119 31.9 25.2 37.8

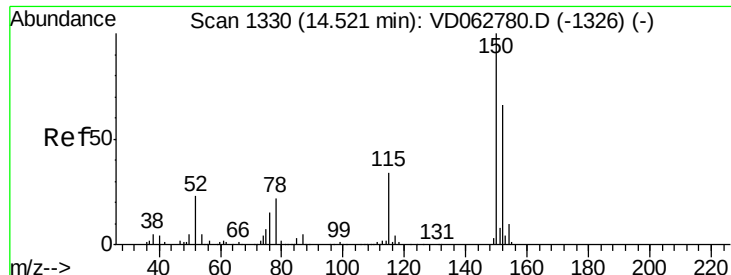


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

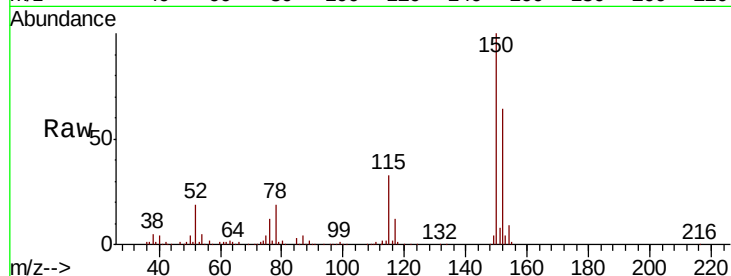




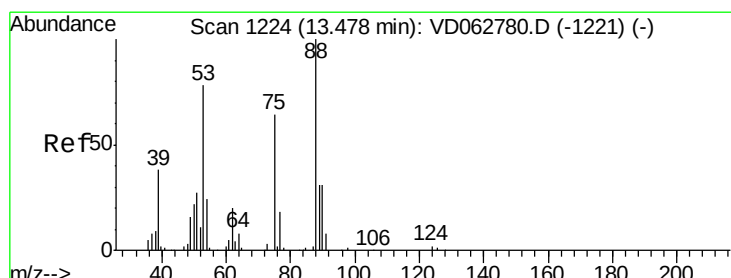
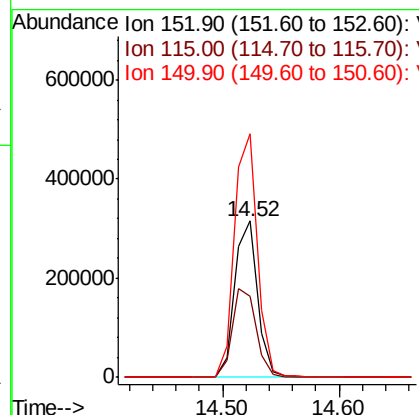
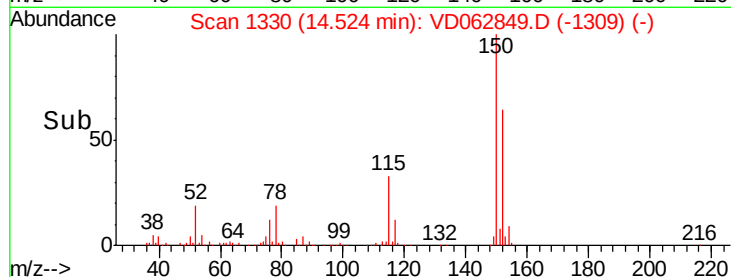
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD062849.D
 Acq: 24 Jun 2019 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(9-10)

Tot Ion:152 Resp: 429426
 Ion Ratio Lower Upper
 152 100
 115 51.8 29.2 87.6
 150 156.1 0.0 305.8

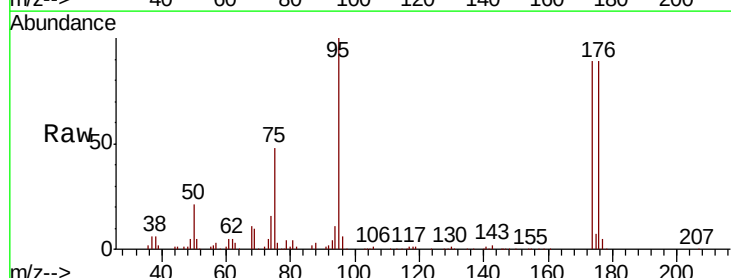


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.302 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062849.D
 Acq: 24 Jun 2019 19:15

Tgt Ion: 75 Resp: 191384
 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

