

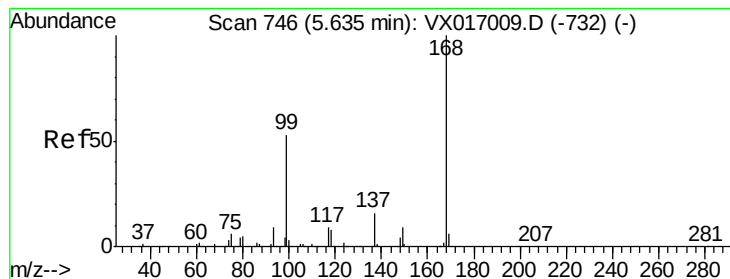
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017130.D
 Acq On : 02 Jul 2020 04:09
 Operator : JC/SP
 Sample : L3159-17 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 09BR-20200629

Quant Time: Jul 02 05:51:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	210731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	354726	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	370778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	139973	53.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.76%	
35) Dibromofluoromethane	5.46	113	119442	53.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.46%	
50) Toluene-d8	8.70	98	433477	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	11.12	95	180743	55.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.44%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	267	0.598	ug/l	97
11) Tert butyl alcohol	3.01	59	810	1.634	ug/l #	79
13) Acrolein	2.28	56	256	0.864	ug/l	86
16) Acetone	2.42	43	1367	1.407	ug/l #	54
20) Methylene Chloride	2.84	84	1222	Below Cal	#	79
25) 2-Butanone	4.67	43	1635	1.010	ug/l #	49
26) 2,2-Dichloropropane	4.64	77	1595	0.443	ug/l #	53
31) Cyclohexane	5.63	56	4199	1.197	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	15867	4.733	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20129	5.451	ug/l #	19
44) Trichloroethene	7.19	130	352	Below Cal		64
49) 1,4-Dioxane	7.88	88	26	0.427	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	89145	22.535	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89145	58.356	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	404	Below Cal	#	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

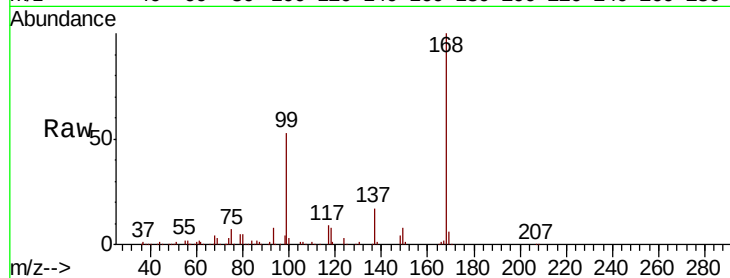
09BR-20200629

Tot Ion:168 Resp: 210731

Ion Ratio Lower Upper

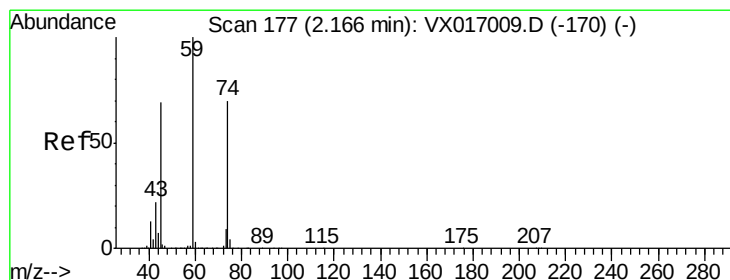
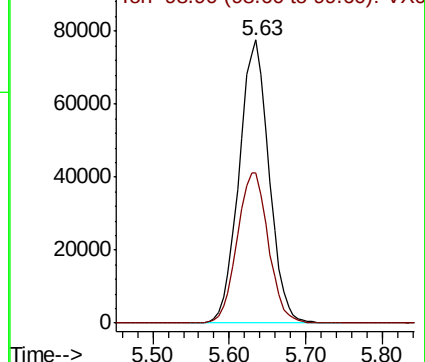
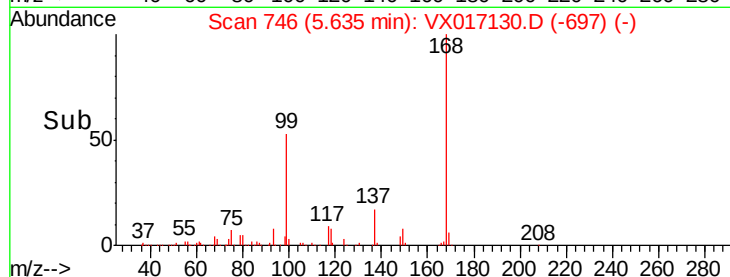
168 100

99 53.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.598 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017130.D

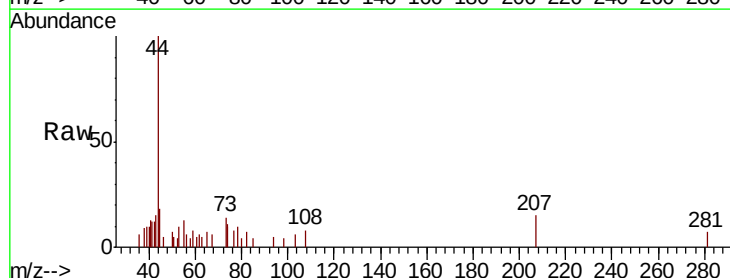
Acq: 02 Jul 2020 04:09

Tgt Ion: 74 Resp: 267

Ion Ratio Lower Upper

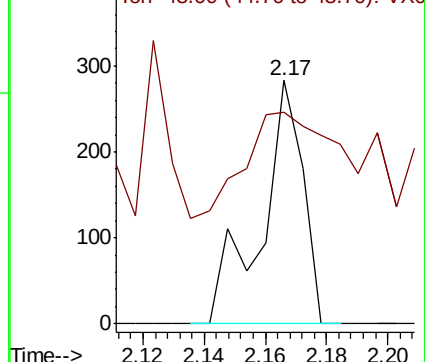
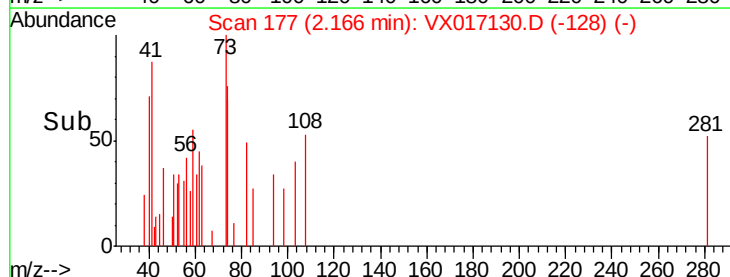
74 100

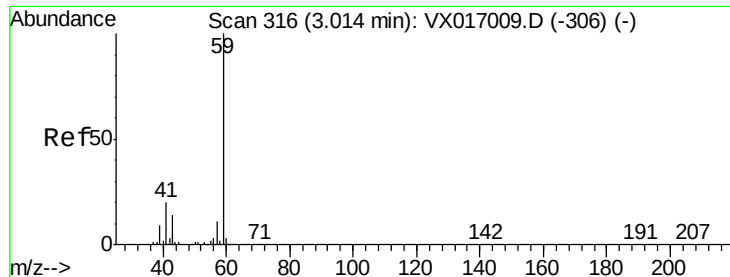
45 102.2 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



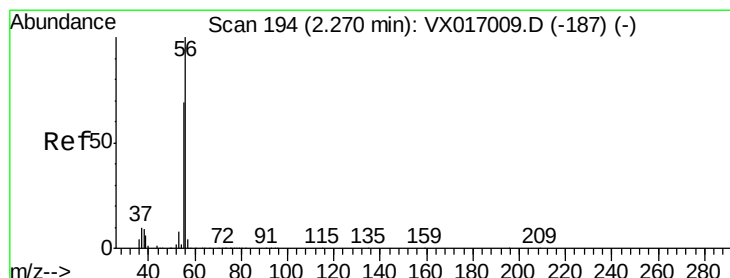
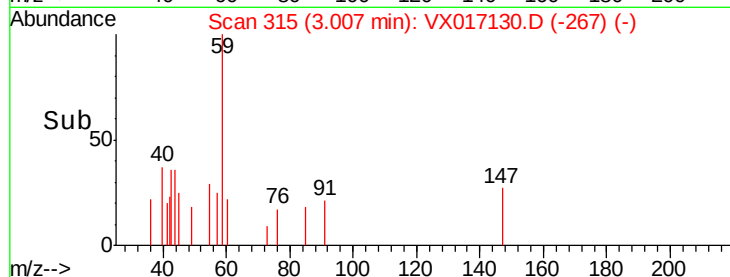
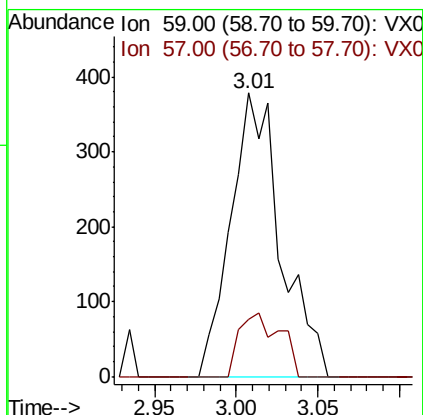
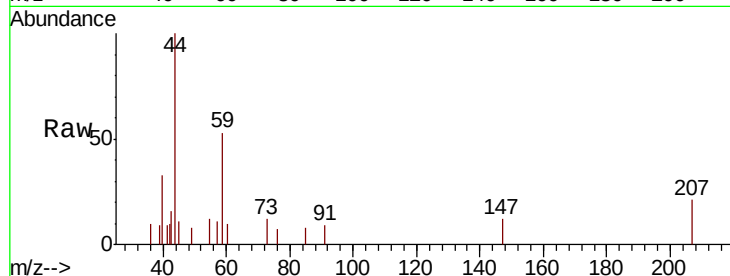


#11

Tert butyl alcohol
Concen: 1.634 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017130.D
Acq: 02 Jul 2020 04:09

Instrument :
MSVOA_X
ClientSampleId :
09BR-20200629

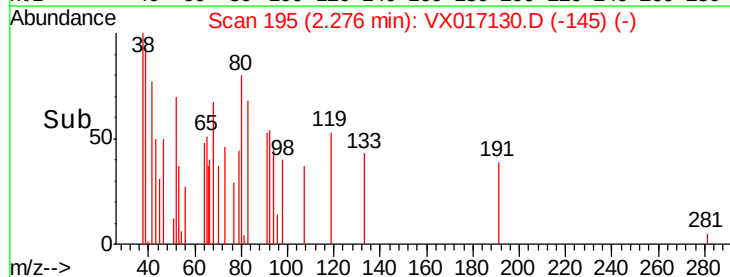
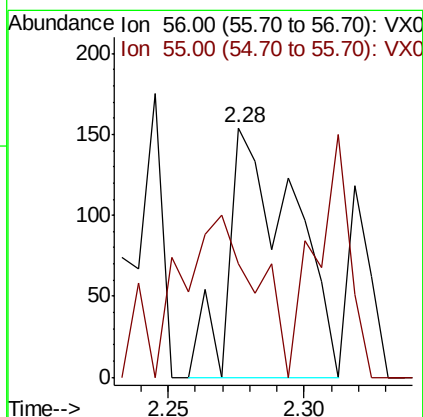
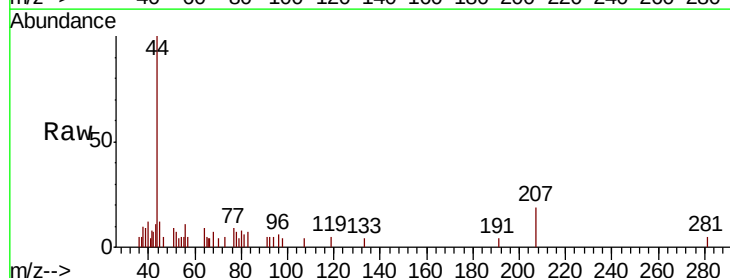
Tot Ion: 59 Resp: 810
Ion Ratio Lower Upper
59 100
57 18.0 8.2 12.2#

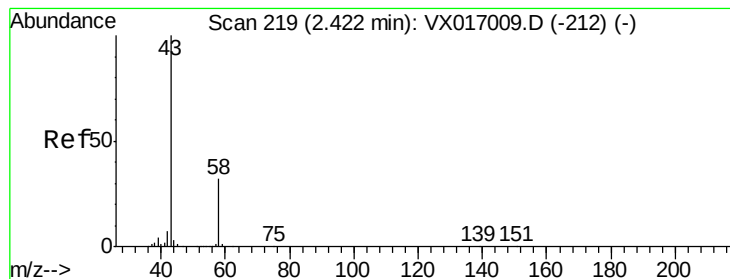


#13

Acrolein
Concen: 0.864 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017130.D
Acq: 02 Jul 2020 04:09

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 80.9 55.7 83.5





#16

Acetone

Concen: 1.407 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

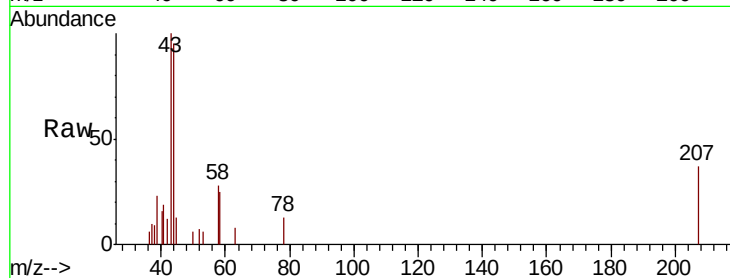
09BR-20200629

Tot Ion: 43 Resp: 1367

Ion Ratio Lower Upper

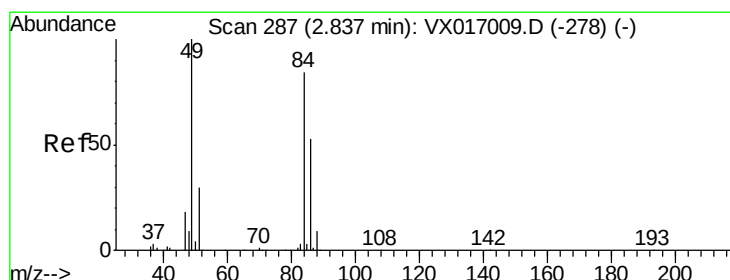
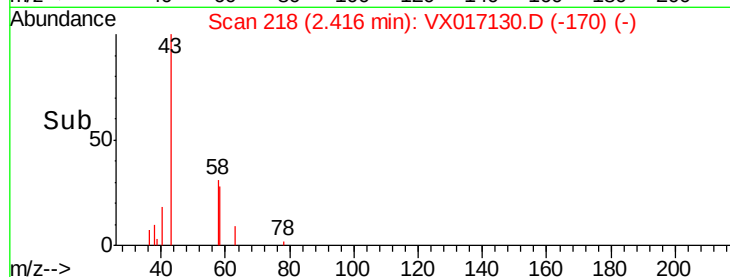
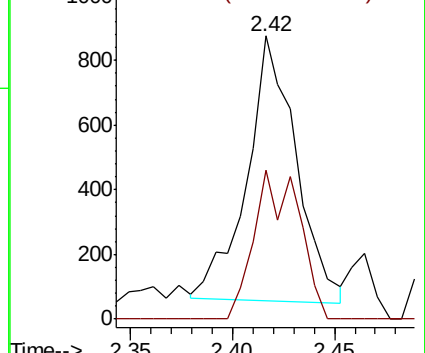
43 100

58 57.6 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

Tgt Ion: 84 Resp: 1222

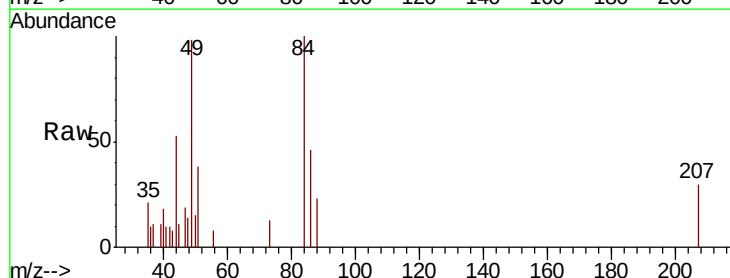
Ion Ratio Lower Upper

84 100

49 90.3 94.7 142.1#

51 37.7 28.6 42.8

86 46.0 50.5 75.7#

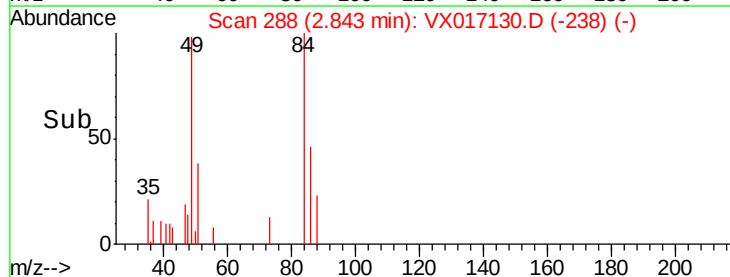
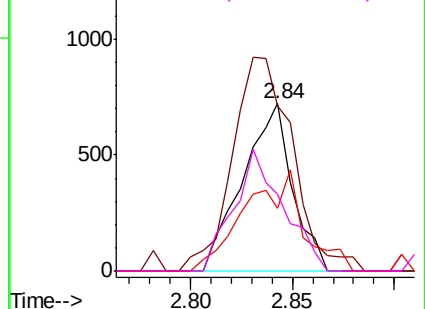


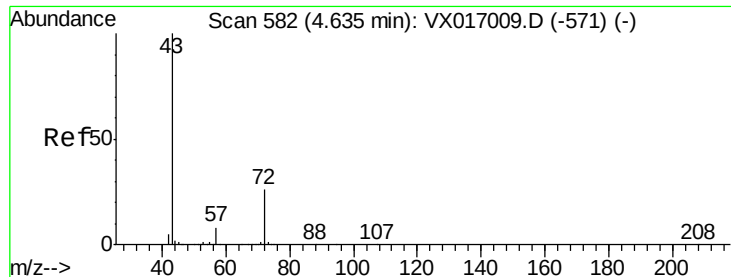
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

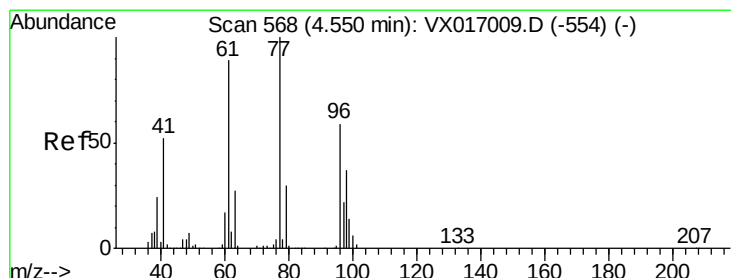
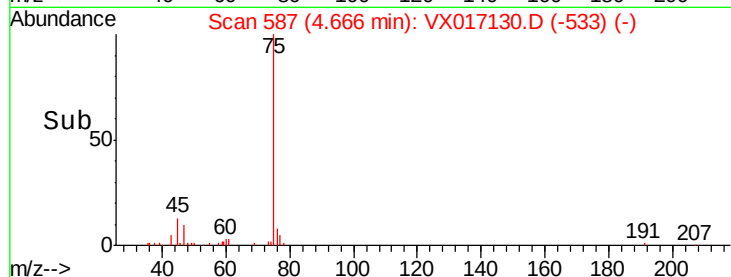
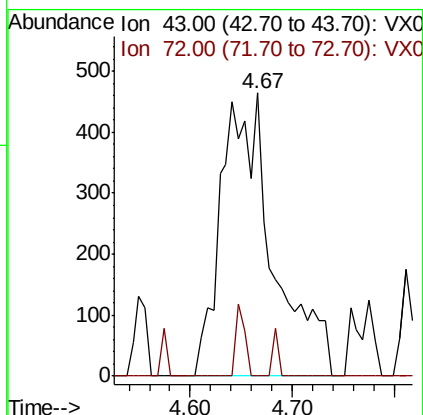
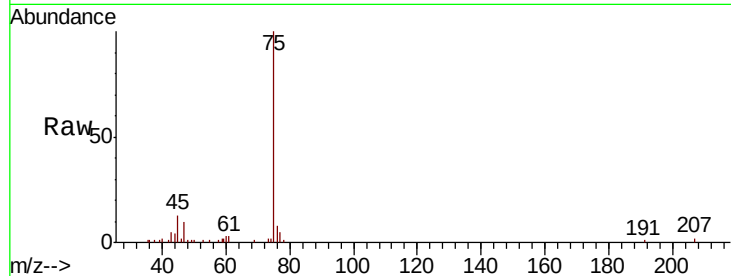




#25
2-Butanone
Concen: 1.010 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.03 min
Lab File: VX017130.D
Acq: 02 Jul 2020 04:09

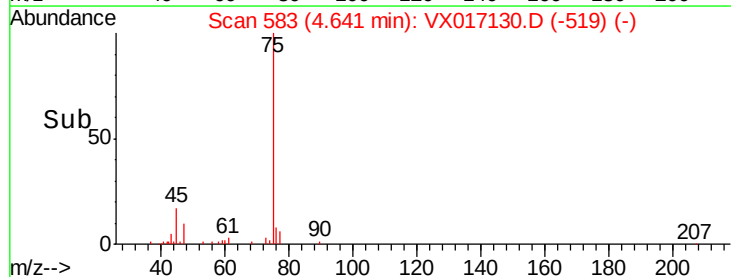
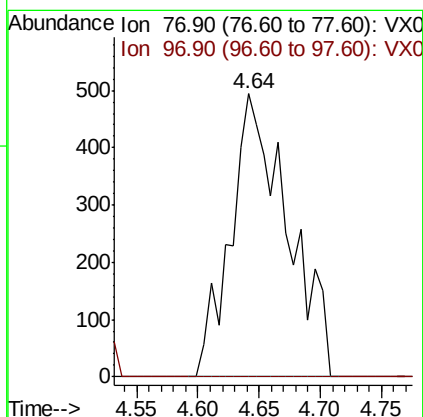
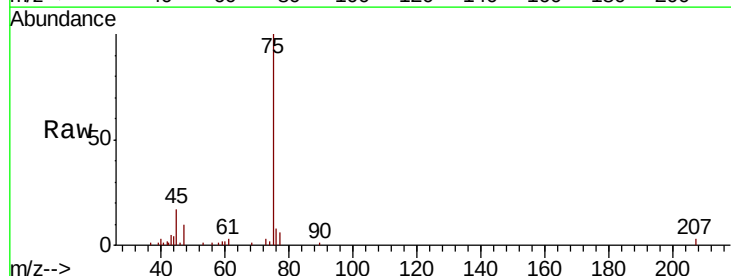
Instrument :
MSVOA_X
ClientSampleId :
09BR-20200629

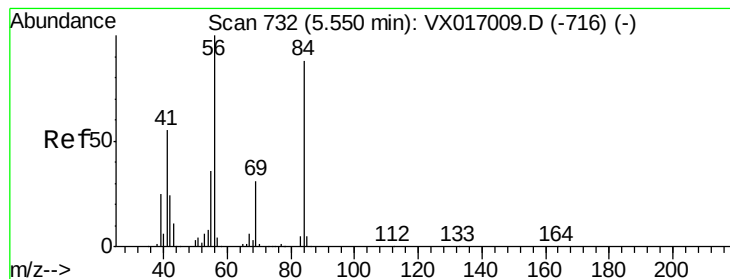
Tot Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#26
2,2-Dichloropropane
Concen: 0.443 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.09 min
Lab File: VX017130.D
Acq: 02 Jul 2020 04:09

Tgt Ion: 77 Resp: 1595
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.197 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

09BR-20200629

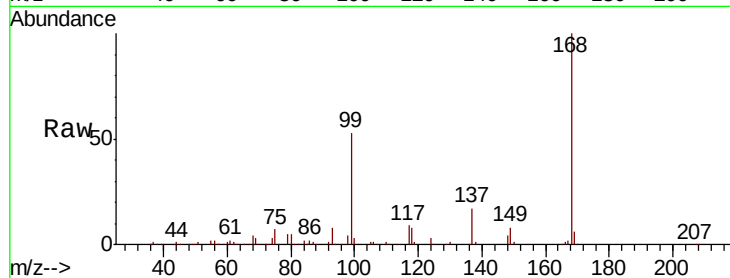
Tot Ion: 56 Resp: 4199

Ion Ratio Lower Upper

56 100

69 177.9 25.0 37.4#

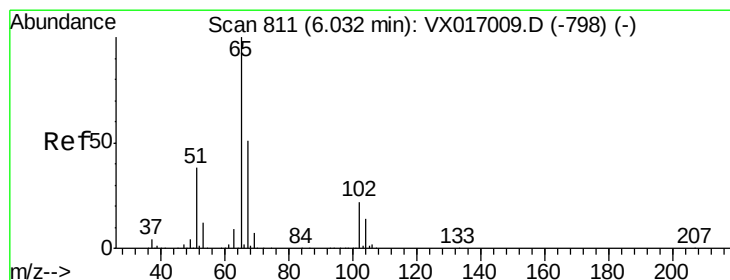
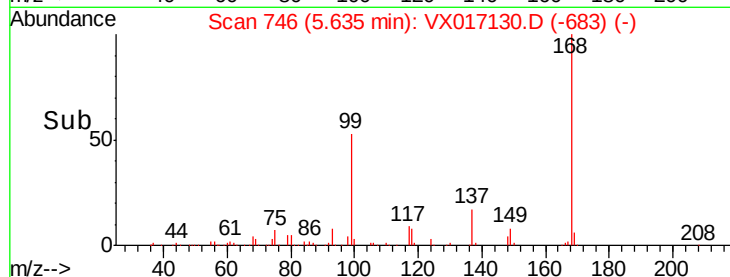
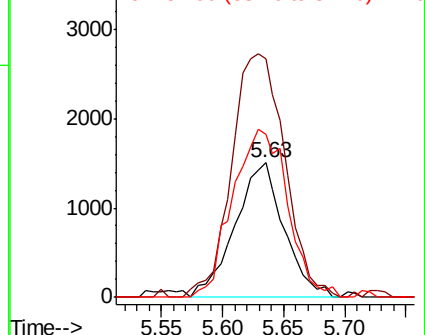
84 121.3 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.879 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017130.D

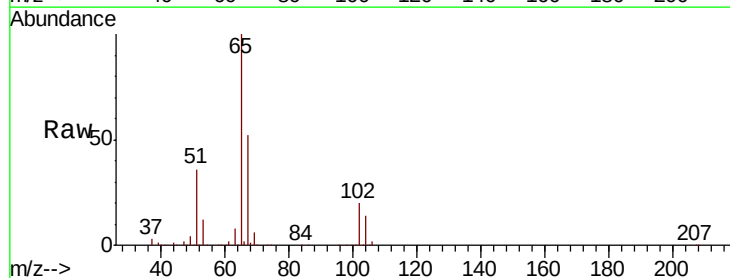
Acq: 02 Jul 2020 04:09

Tgt Ion: 65 Resp: 139973

Ion Ratio Lower Upper

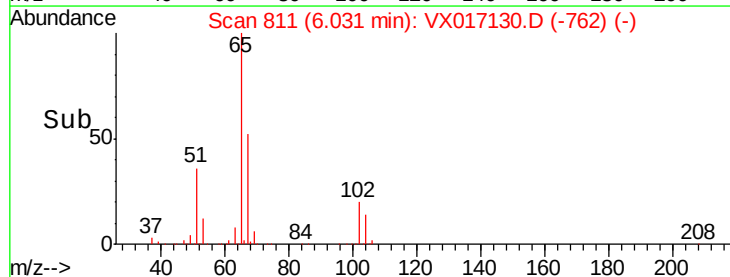
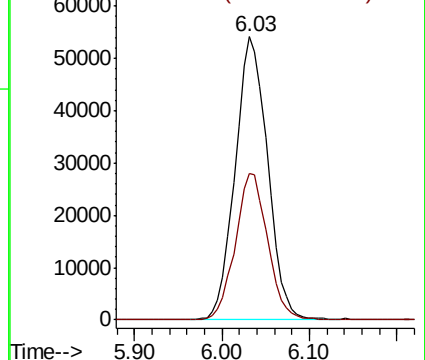
65 100

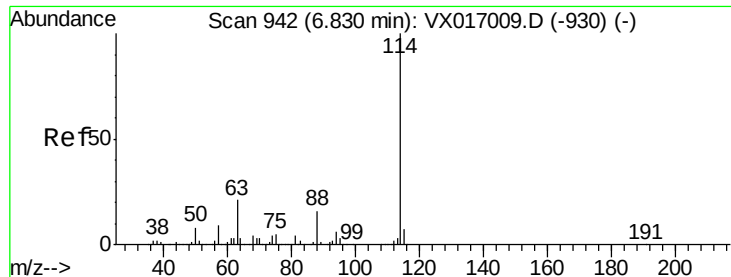
67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

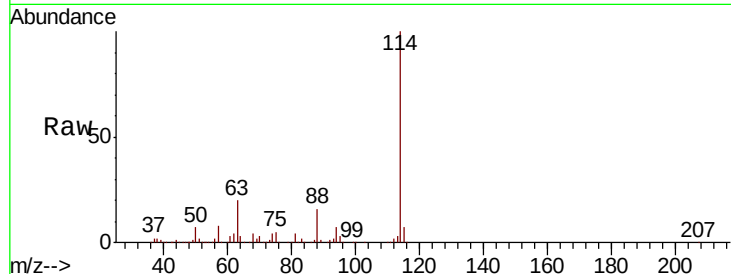




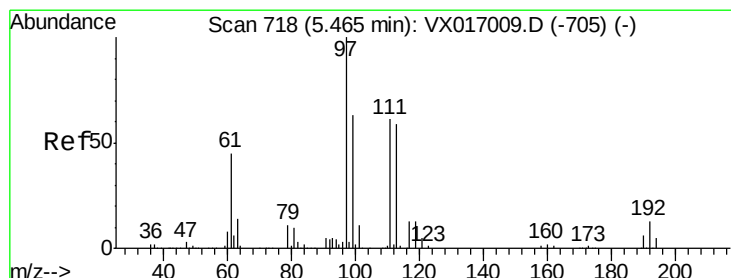
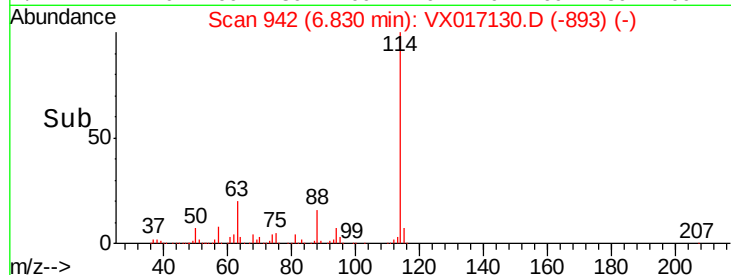
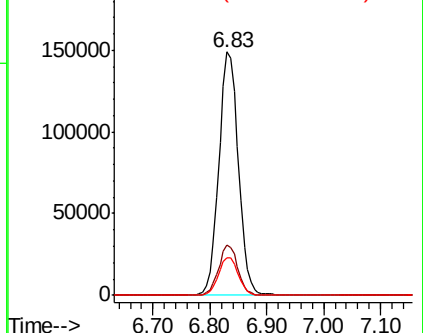
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017130.D
 Acq: 02 Jul 2020 04:09

Instrument :
 MSVOA_X
 ClientSampleId :
 09BR-20200629

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.4
88	15.5	0.0	32.4

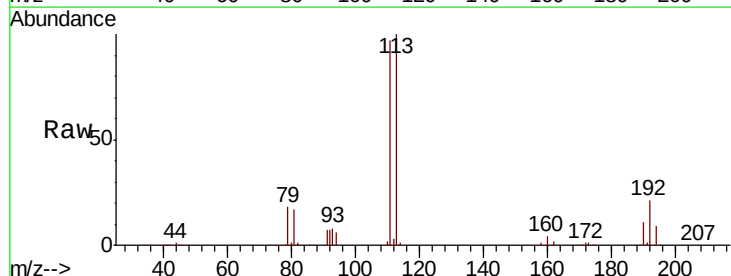


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

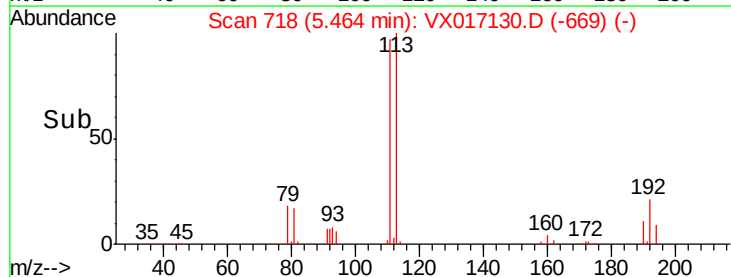
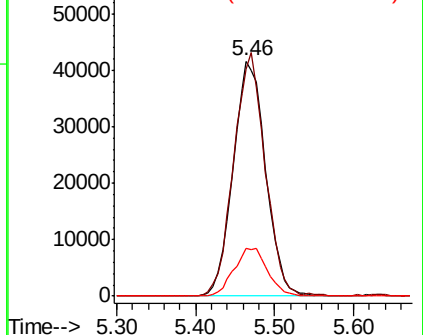


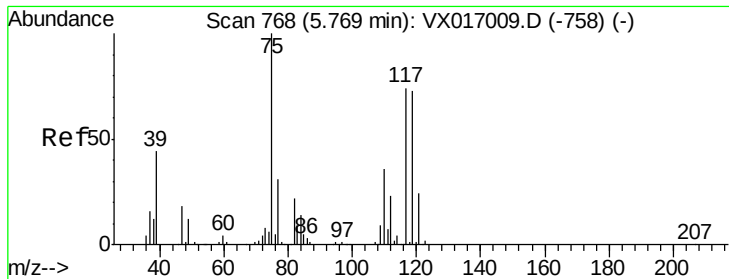
#35
 Dibromofluoromethane
 Concen: 53.230 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017130.D
 Acq: 02 Jul 2020 04:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.9	122.9
192	21.0	16.7	25.1



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

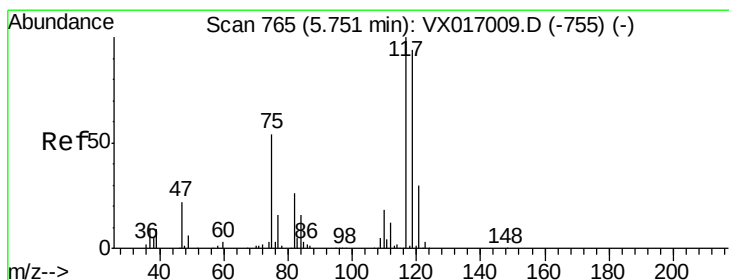
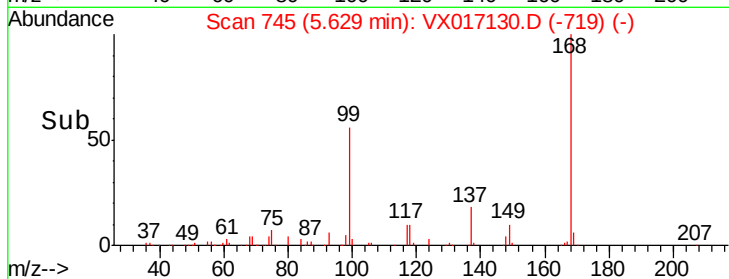
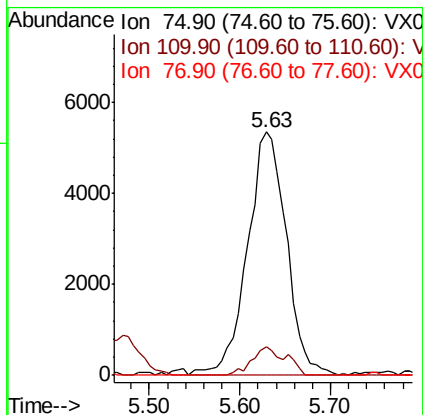
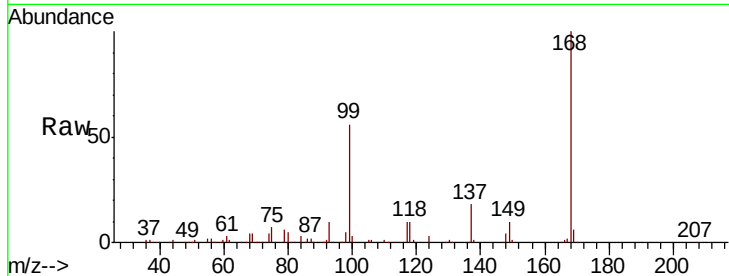




#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017130.D
 Acq: 02 Jul 2020 04:09

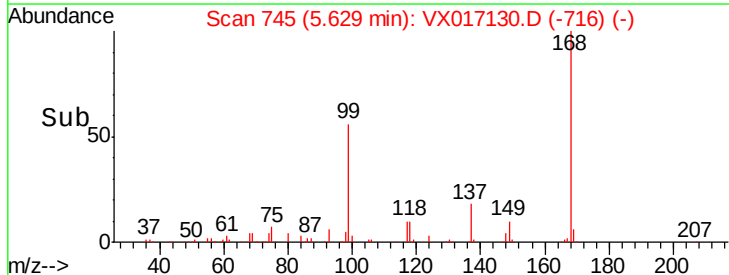
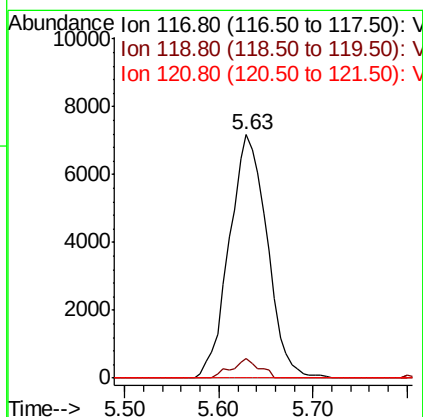
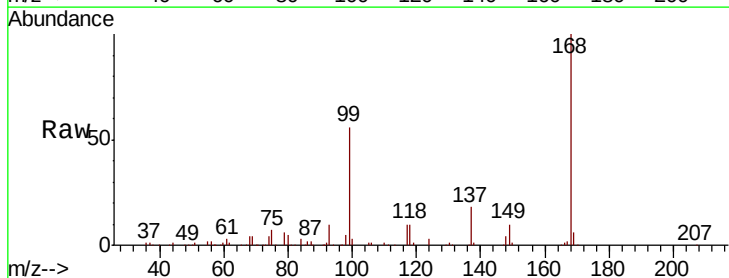
Instrument :
 MSVOA_X
 ClientSampleId :
 09BR-20200629

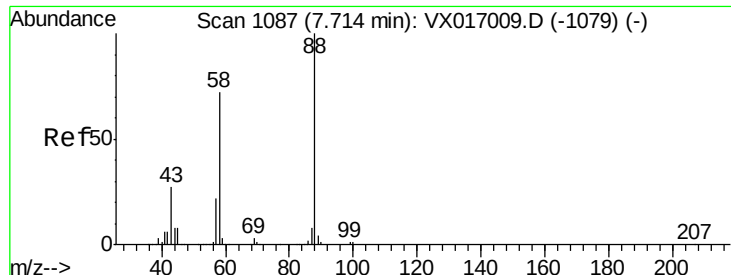
Tot Ion: 75 Resp: 15867
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.451 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017130.D
 Acq: 02 Jul 2020 04:09

Tgt Ion:117 Resp: 20129
 Ion Ratio Lower Upper
 117 100
 119 8.1 75.4 113.0#
 121 0.0 23.8 35.6#





#49

1,4-Dioxane

Concen: 0.427 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.16 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

09BR-20200629

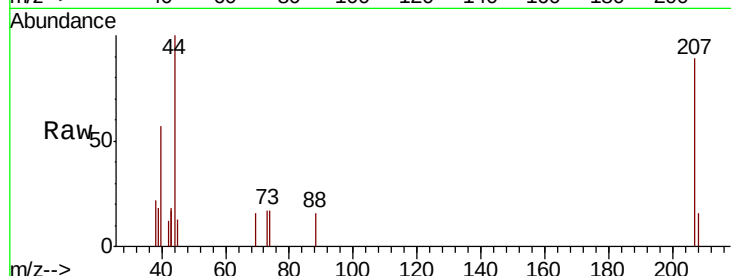
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 819.2 25.8 38.8#

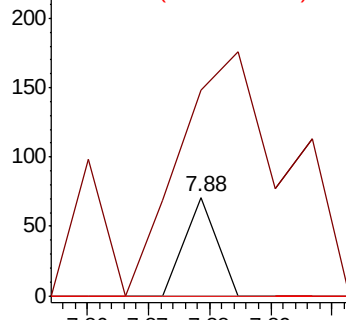
58 0.0 54.8 82.2#



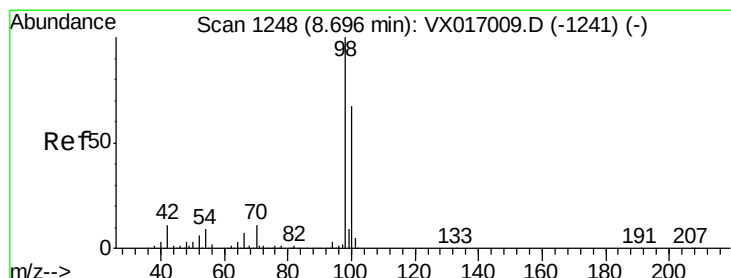
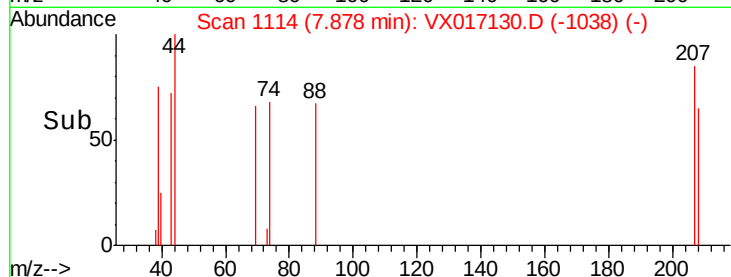
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 52.242 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017130.D

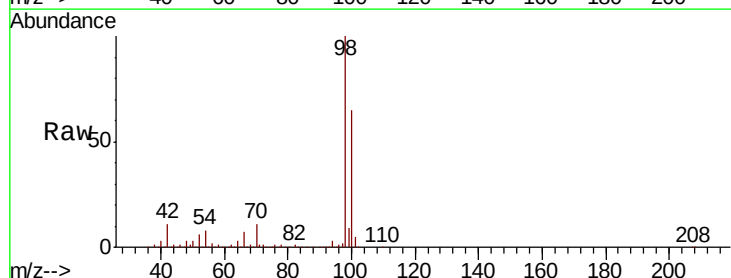
Acq: 02 Jul 2020 04:09

Tgt Ion: 98 Resp: 433477

Ion Ratio Lower Upper

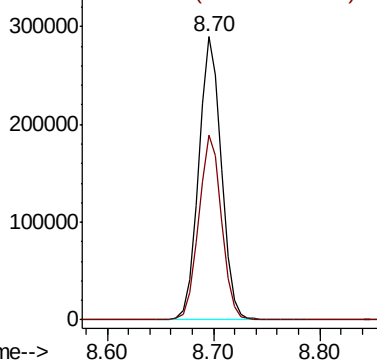
98 100

100 65.8 53.8 80.6

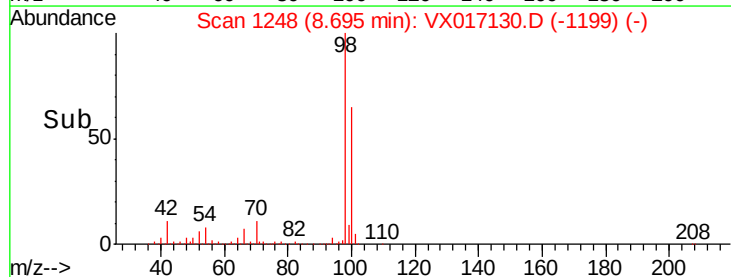


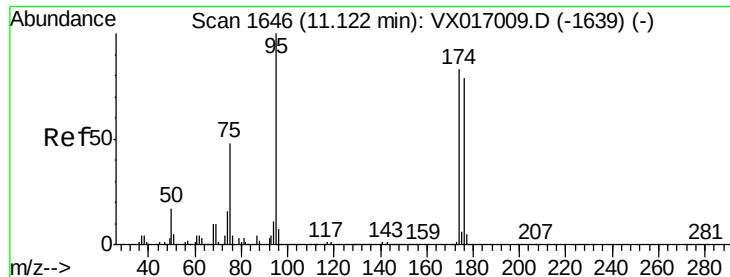
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 55.723 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

09BR-20200629

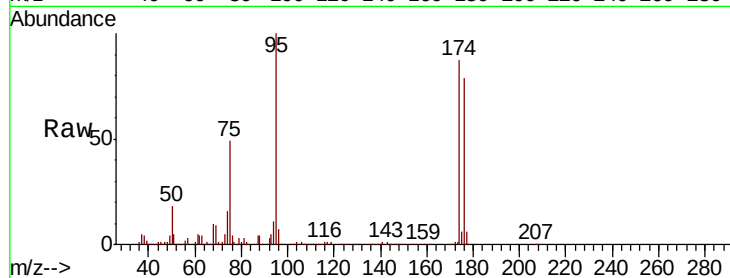
Tot Ion: 95 Resp: 180743

Ion Ratio Lower Upper

95 100

174 85.1 0.0 164.0

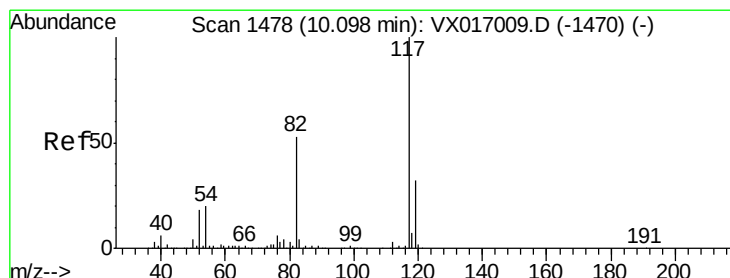
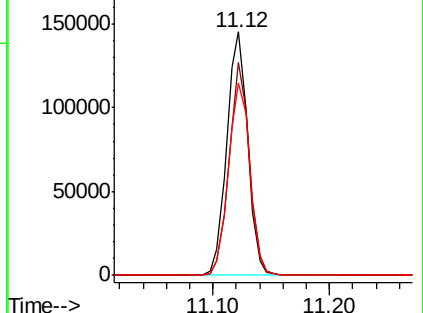
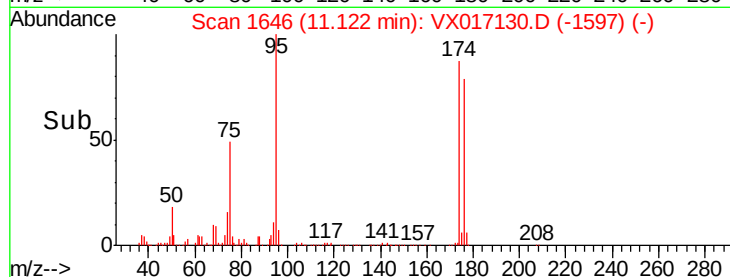
176 81.2 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

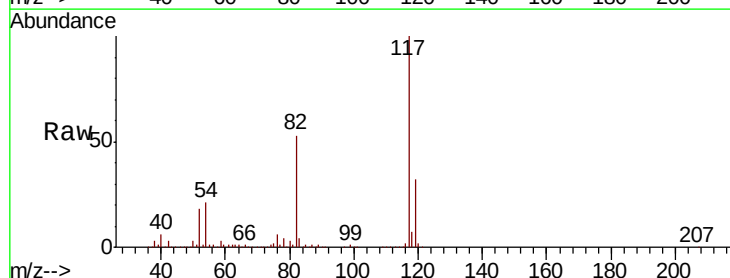
Tgt Ion: 117 Resp: 370778

Ion Ratio Lower Upper

117 100

82 52.8 42.6 63.8

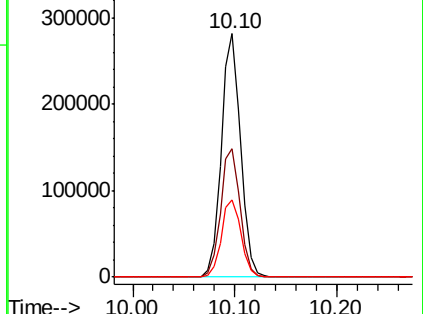
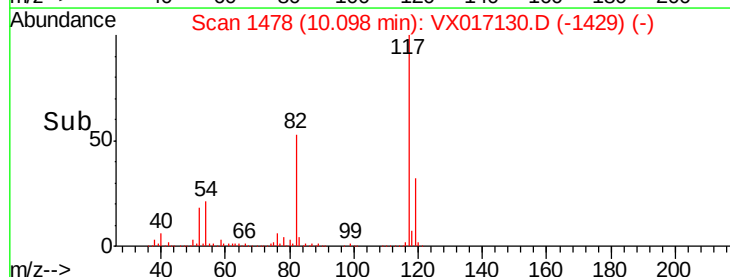
119 31.6 25.4 38.2

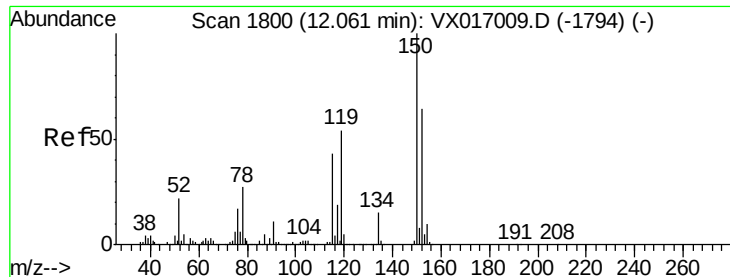


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017130.D

Acq: 02 Jul 2020 04:09

Instrument :

MSVOA_X

ClientSampleId :

09BR-20200629

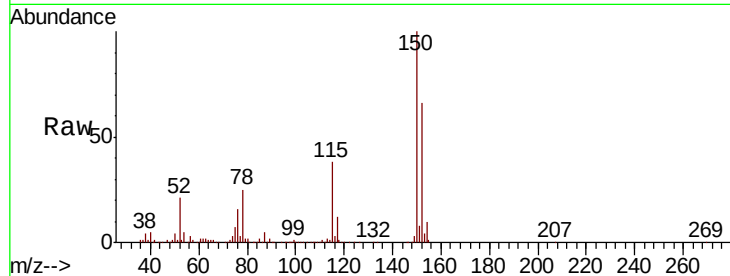
Tot Ion:152 Resp: 201172

Ion Ratio Lower Upper

152 100

115 57.1 40.9 122.7

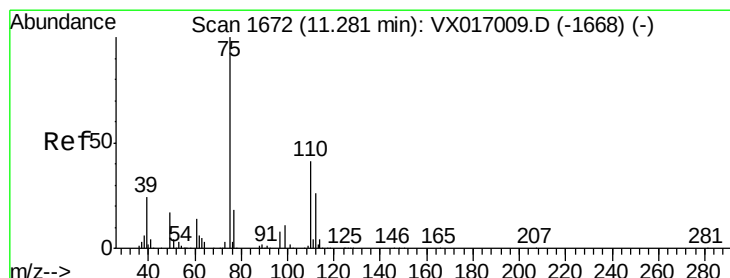
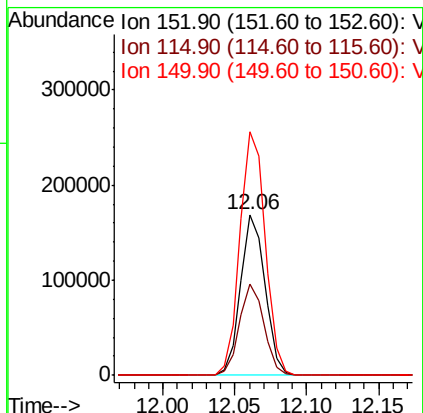
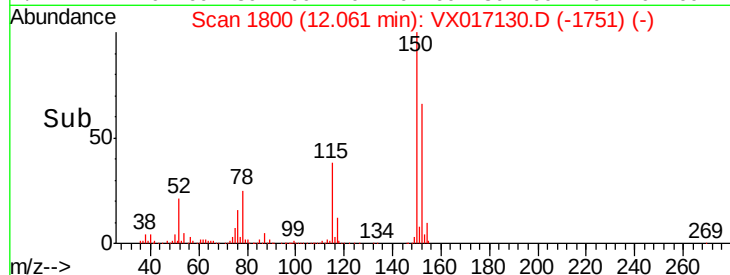
150 156.2 0.0 351.6



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: 22.535 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017130.D

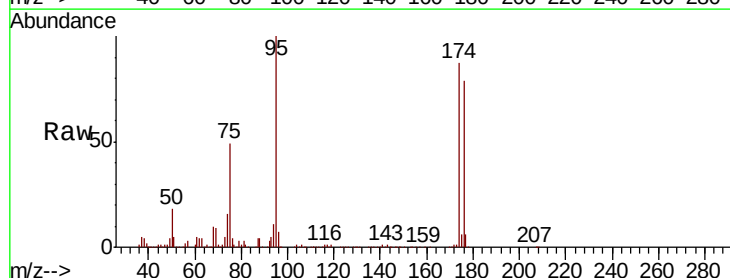
Acq: 02 Jul 2020 04:09

Tgt Ion: 75 Resp: 89145

Ion Ratio Lower Upper

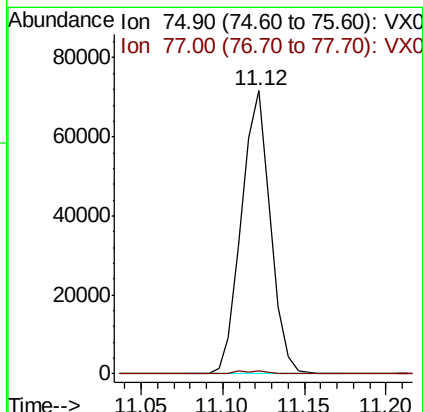
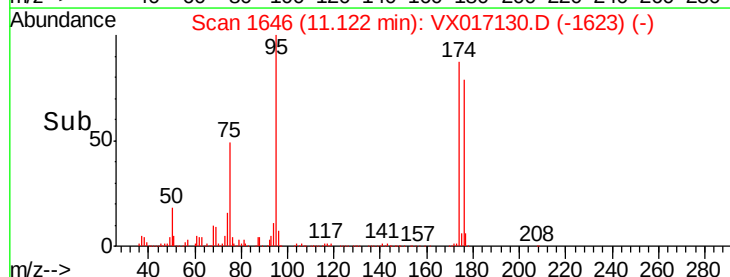
75 100

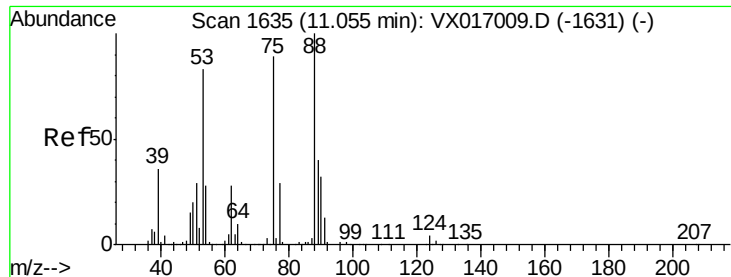
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.356 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017130.D
 Acq: 02 Jul 2020 04:09

Instrument :
 MSVOA_X
 ClientSampleId :
 09BR-20200629

Tot Ion: 75 Resp: 89145
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.1 37.0 55.4#

