

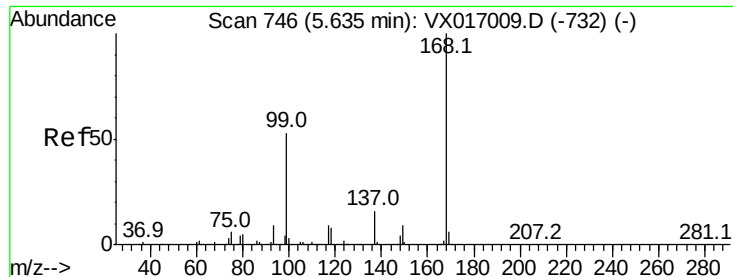
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070720\
 Data File : VX017198.D
 Acq On : 07 Jul 2020 13:13
 Operator : JC/SP
 Sample : L3159-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50BR-20200629

Quant Time: Jul 08 01:52:25 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	249871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	424665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	427693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229678	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	165340	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.34%	
35) Dibromofluoromethane	5.47	113	141887	52.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.64%	
50) Toluene-d8	8.70	98	505064	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.12	95	210216	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.28%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	502	0.350	ug/l #	56
8) Diethyl Ether	2.18	74	231	0.535	ug/l	77
11) Tert butyl alcohol	3.02	59	767	1.305	ug/l	100
13) Acrolein	2.29	56	325	0.925	ug/l #	15
15) Acrylonitrile	3.13	53	365	0.258	ug/l #	63
16) Acetone	2.42	43	6769	5.874	ug/l	90
17) Carbon Disulfide	2.55	76	1394	0.225	ug/l #	81
25) 2-Butanone	4.64	43	1300	0.677	ug/l #	59
27) cis-1,2-Dichloroethene	4.57	96	9623	3.096	ug/l	84
31) Cyclohexane	5.62	56	5351	1.287	ug/l #	17
36) 1,1-Dichloropropene	5.63	75	17582	4.381	ug/l #	50
38) Carbon Tetrachloride	5.64	117	24653	5.577	ug/l #	18
44) Trichloroethene	7.19	130	9421	2.602	ug/l	97
49) 1,4-Dioxane	7.84	88	20	0.275	ug/l #	38
76) 1,2,3-Trichloropropane	11.12	75	102685	22.736	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102685	58.877	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	740	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	83	0.889	ug/l #	68

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

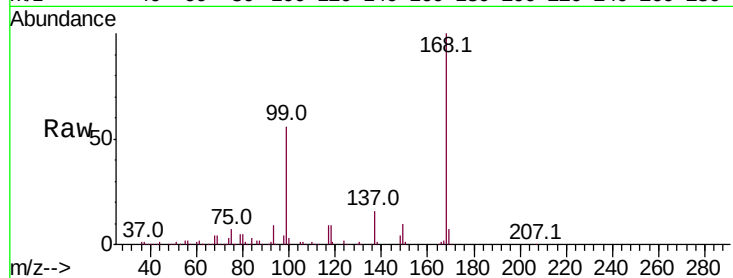
50BR-20200629

Tot Ion:168 Resp: 249871

Ion Ratio Lower Upper

168 100

99 56.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

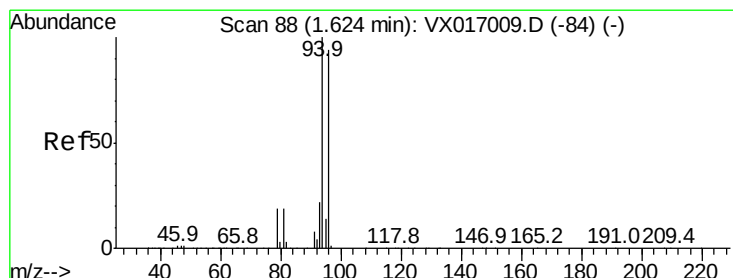
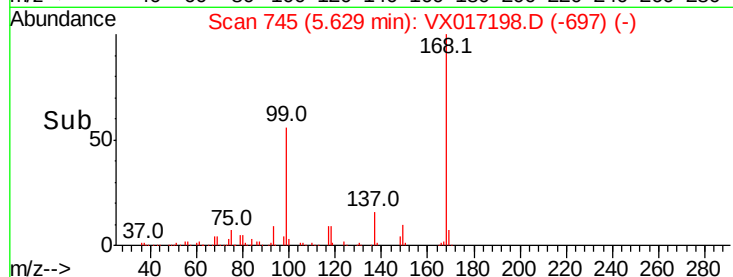
40000

20000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: 0.350 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017198.D

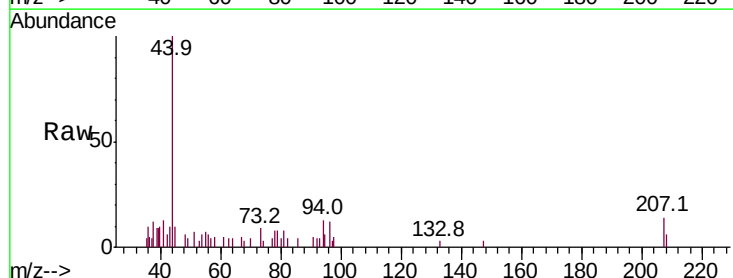
Acq: 07 Jul 2020 13:13

Tgt Ion: 94 Resp: 502

Ion Ratio Lower Upper

94 100

96 51.1 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

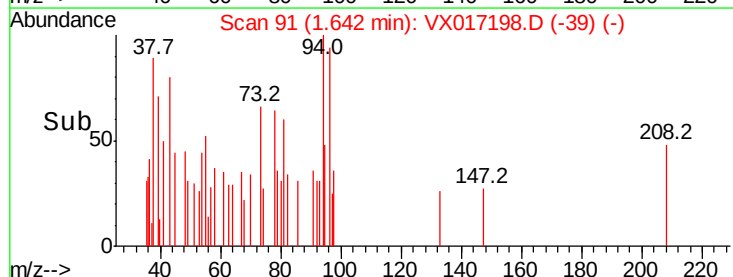
100

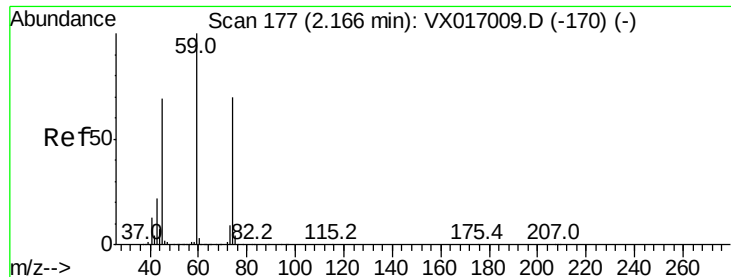
50

0

1.60 1.65

Time-->

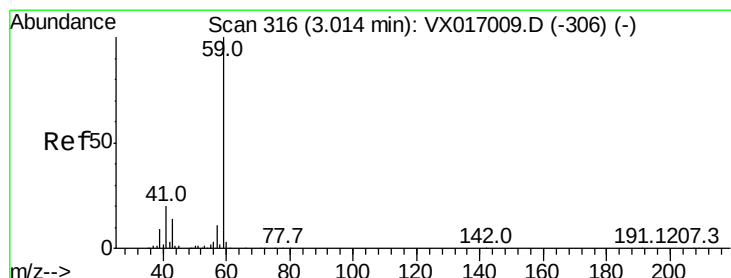
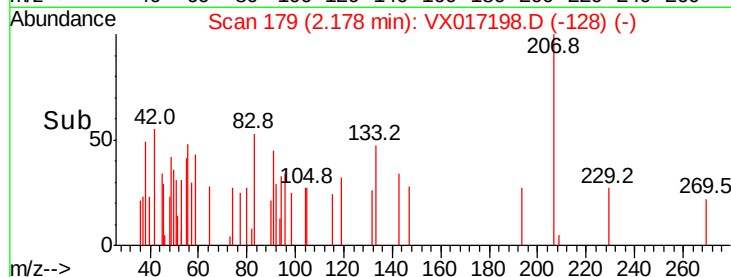
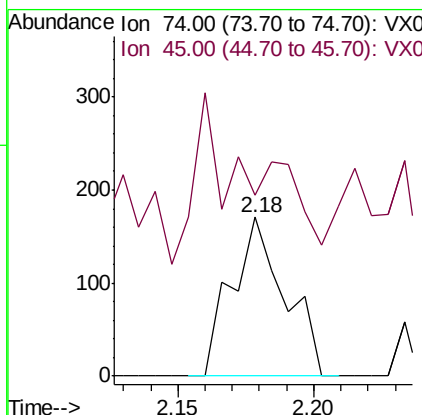
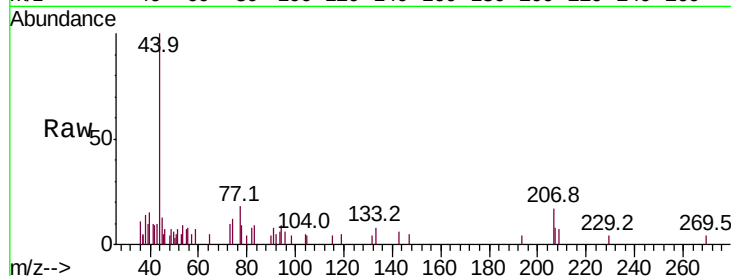




#8
Diethyl Ether
Concen: 0.535 ug/l
RT: 2.18 min Scan# 179
Delta R.T. 0.01 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

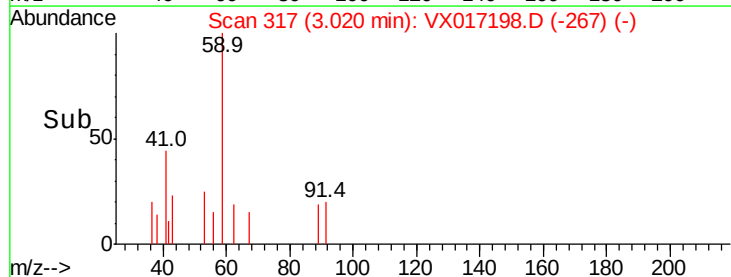
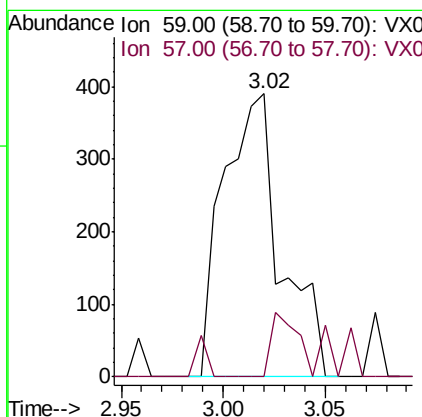
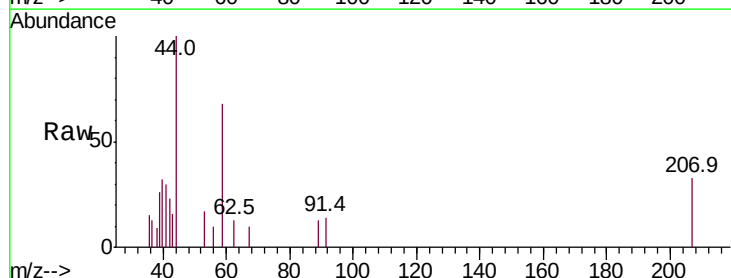
Instrument :
MSVOA_X
ClientSampleId :
50BR-20200629

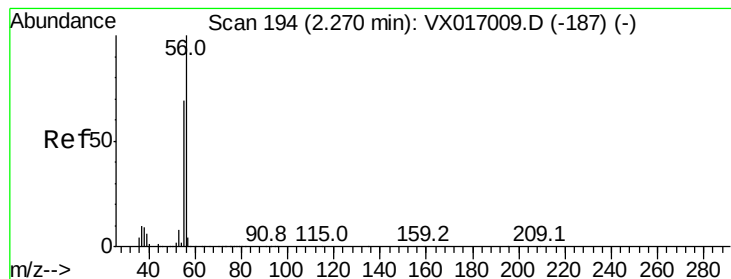
Tot Ion: 74 Resp: 231
Ion Ratio Lower Upper
74 100
45 76.6 49.8 149.3



#11
Tert butyl alcohol
Concen: 1.305 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

Tgt Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2





#13

Acrolein

Concen: 0.925 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

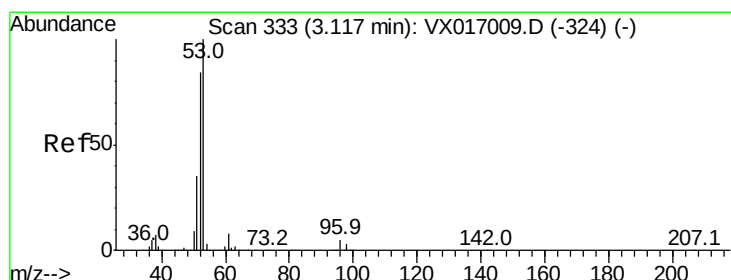
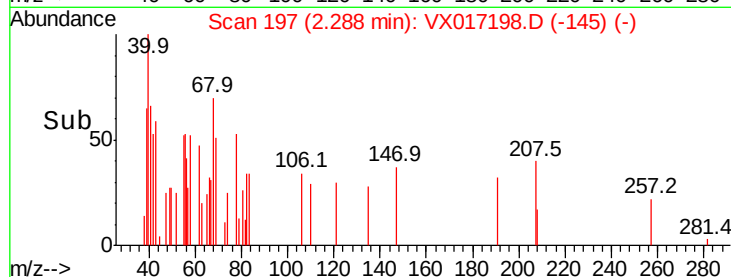
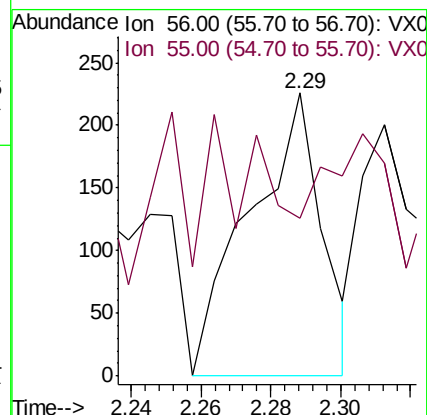
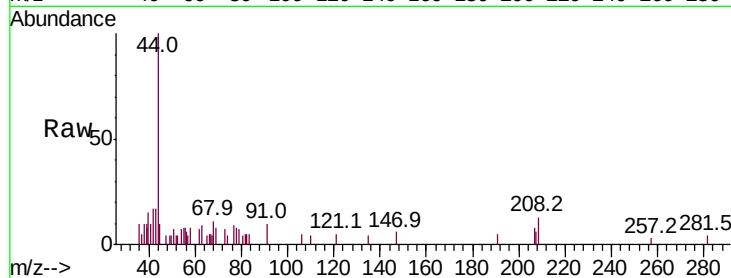
50BR-20200629

Tot Ion: 56 Resp: 325

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#15

Acrylonitrile

Concen: 0.258 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

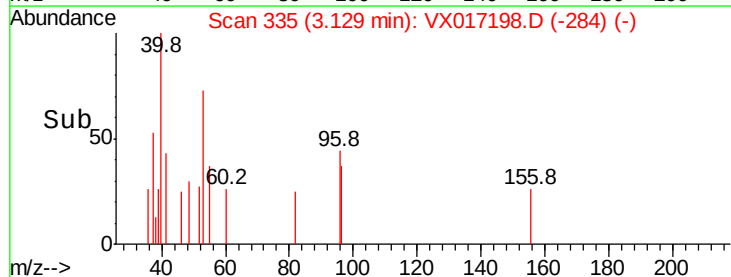
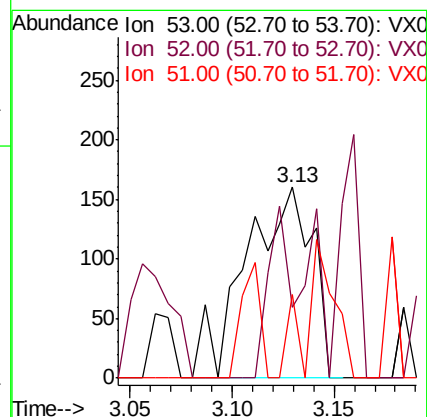
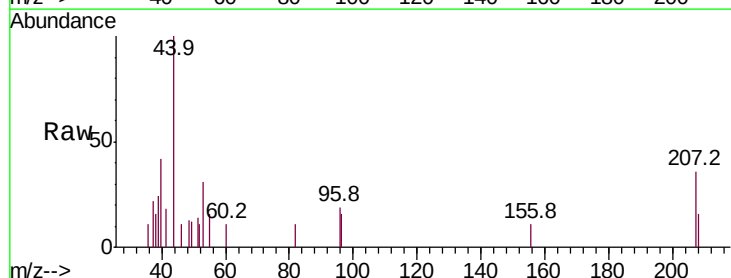
Tgt Ion: 53 Resp: 365

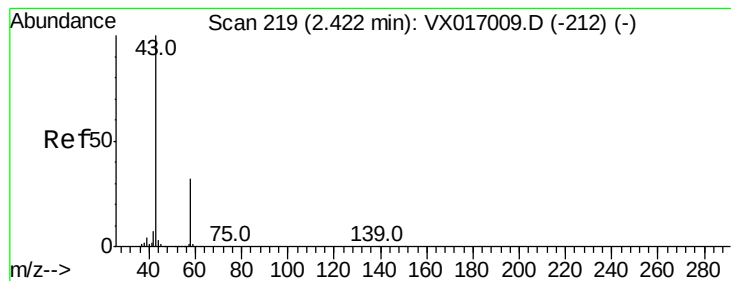
Ion Ratio Lower Upper

53 100

52 37.0 65.6 98.4#

51 31.2 28.3 42.5





#16

Acetone

Concen: 5.874 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

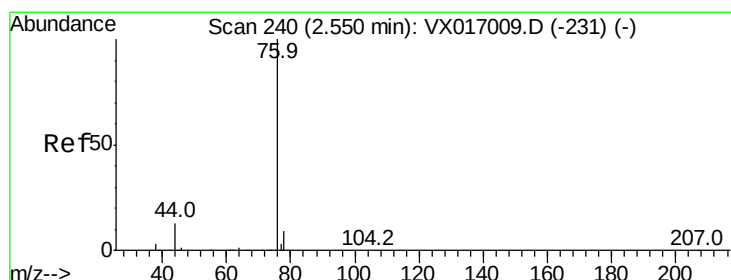
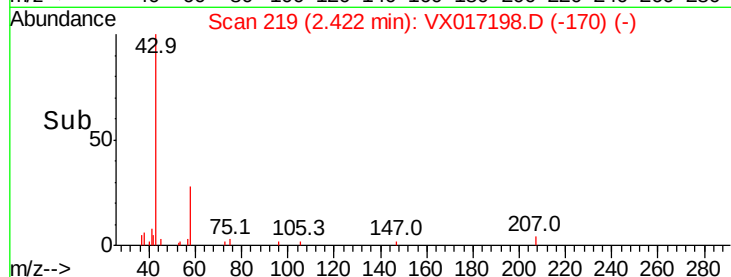
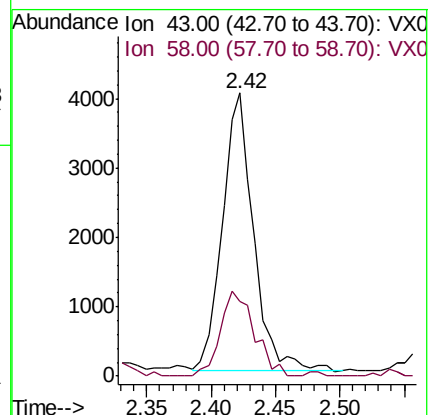
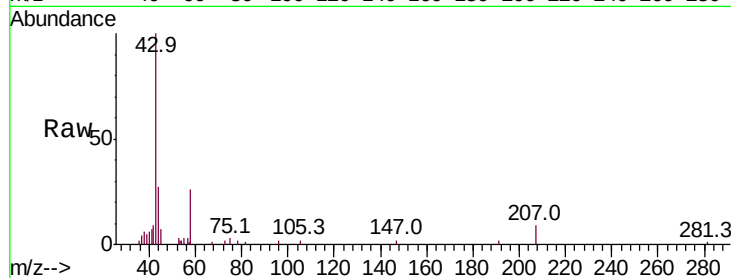
50BR-20200629

Tot Ion: 43 Resp: 6769

Ion Ratio Lower Upper

43 100

58 26.8 25.7 38.5



#17

Carbon Disulfide

Concen: 0.225 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017198.D

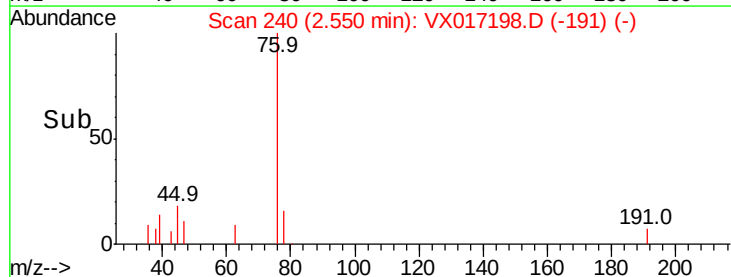
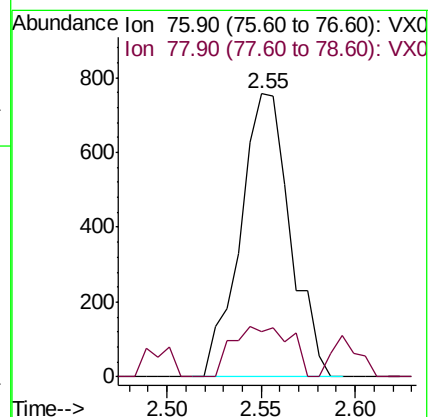
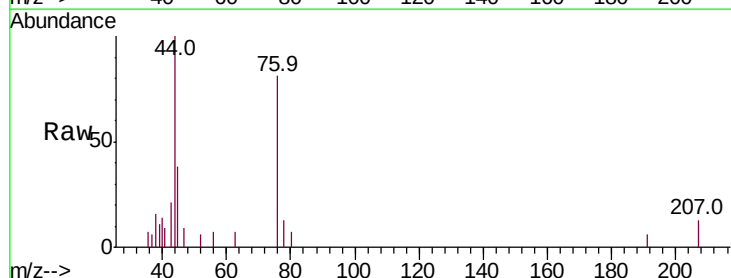
Acq: 07 Jul 2020 13:13

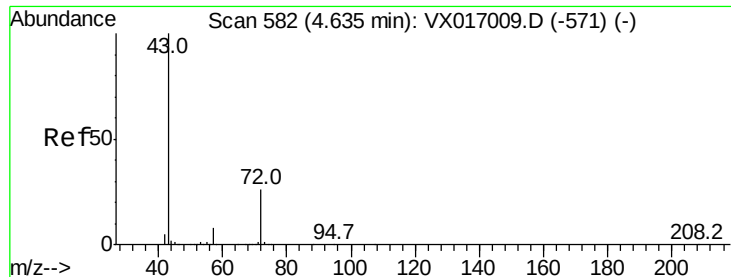
Tgt Ion: 76 Resp: 1394

Ion Ratio Lower Upper

76 100

78 15.9 7.2 10.8#

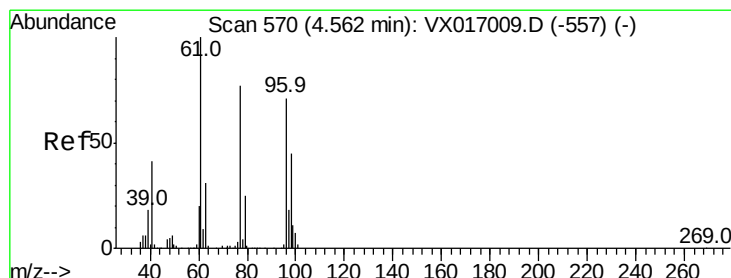
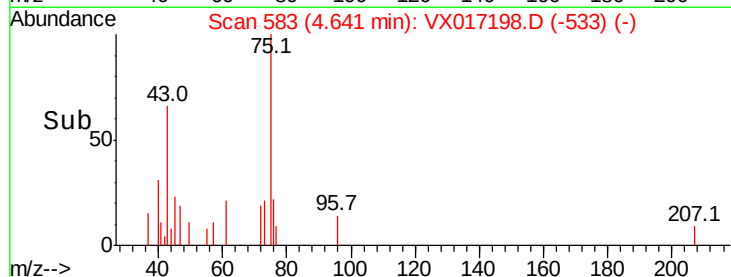
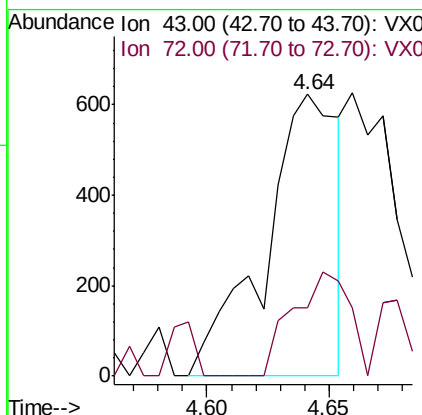
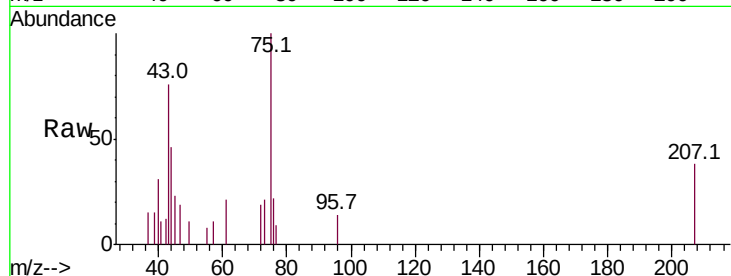




#25
2-Butanone
Concen: 0.677 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

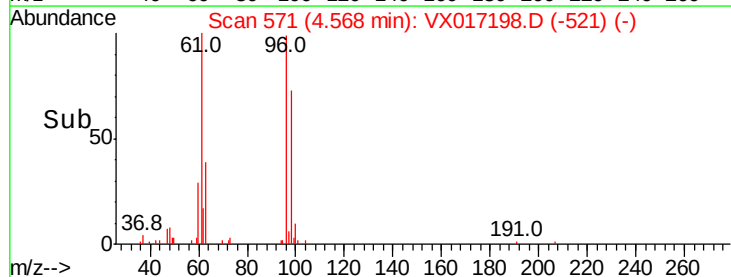
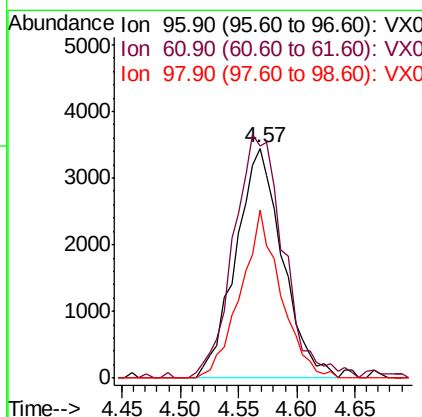
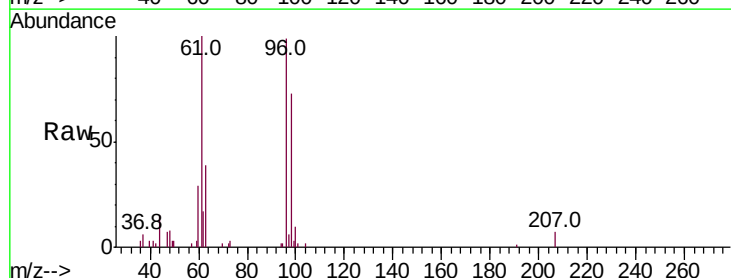
Instrument :
MSVOA_X
ClientSampleId :
50BR-20200629

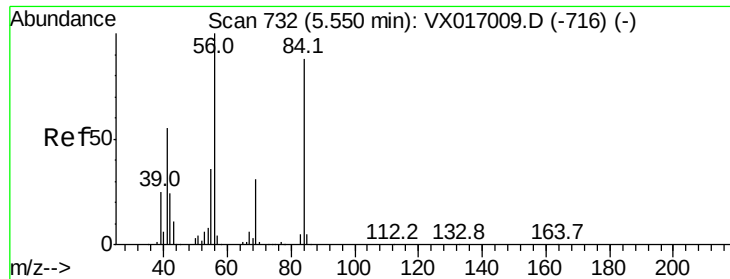
Tot Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
72 5.0 20.8 31.2#



#27
cis-1,2-Dichloroethene
Concen: 3.096 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

Tgt Ion: 96 Resp: 9623
Ion Ratio Lower Upper
96 100
61 113.4 0.0 282.8
98 62.9 0.0 127.6

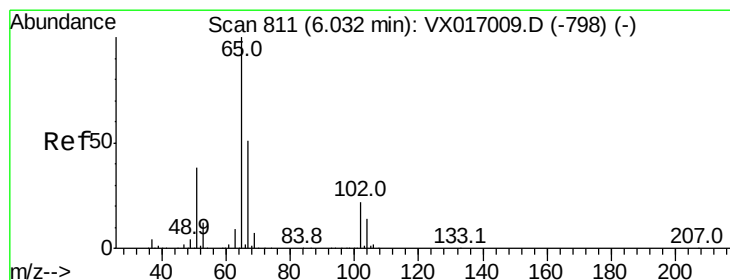
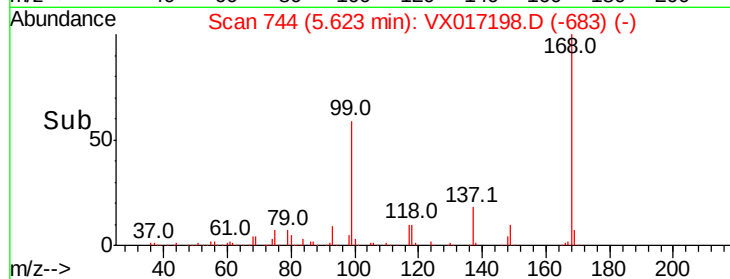
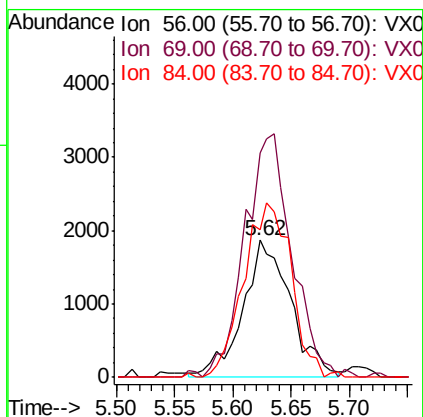
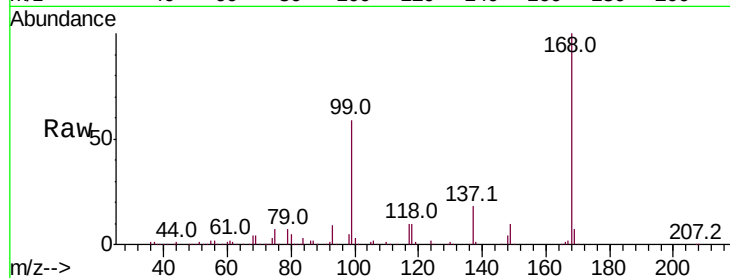




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

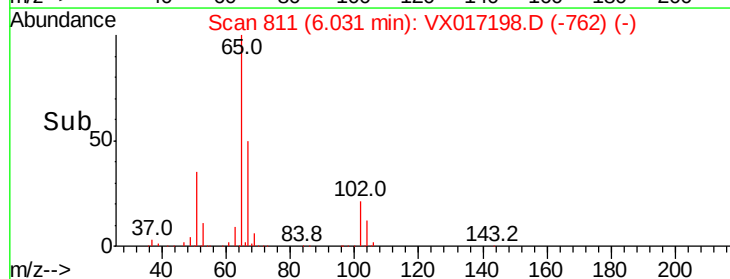
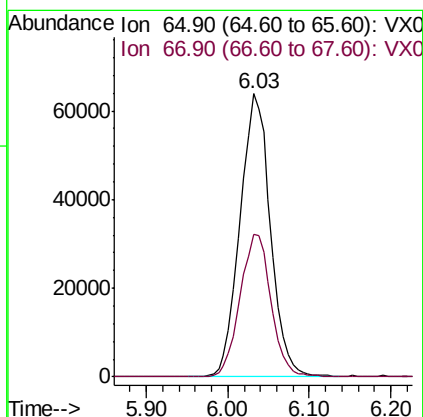
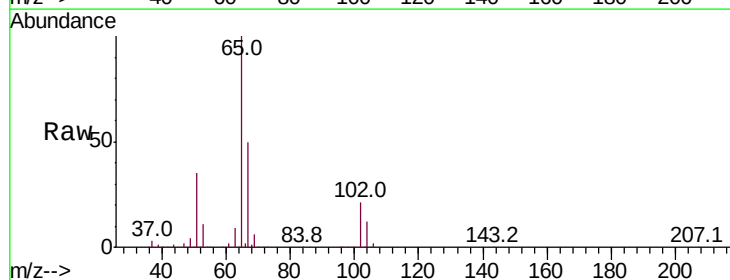
Instrument :
MSVOA_X
ClientSampleId :
50BR-20200629

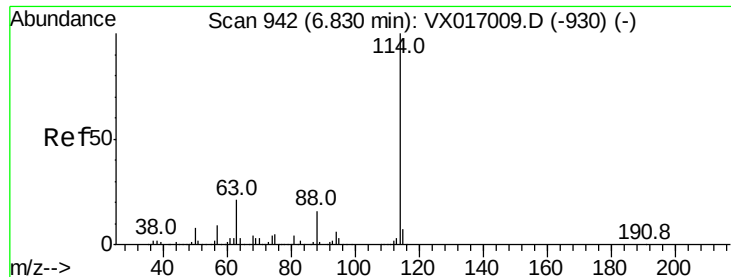
Tot Ion: 56 Resp: 5351
Ion Ratio Lower Upper
56 100
69 168.5 25.0 37.4#
84 108.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 53.675 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

Tgt Ion: 65 Resp: 165340
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

50BR-20200629

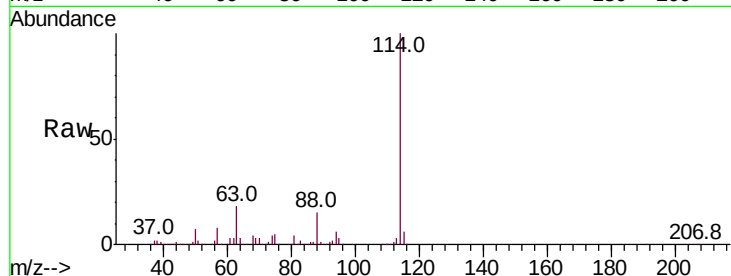
Tot Ion:114 Resp: 424665

Ion Ratio Lower Upper

114 100

63 18.0 0.0 41.4

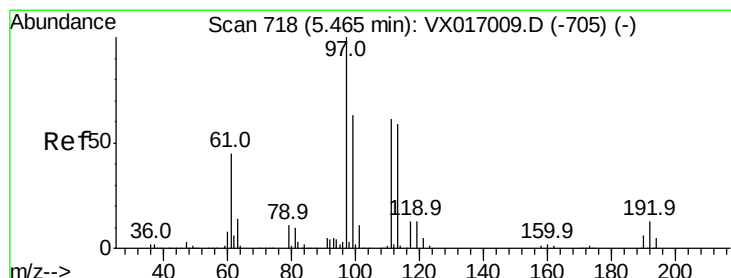
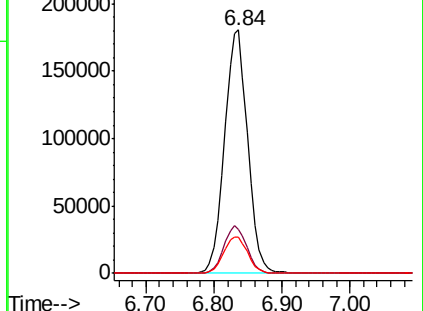
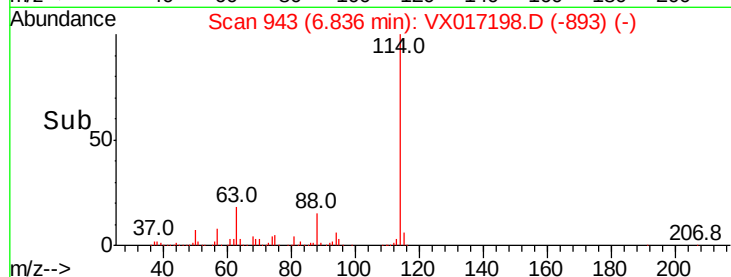
88 14.7 0.0 32.4



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: 52.819 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

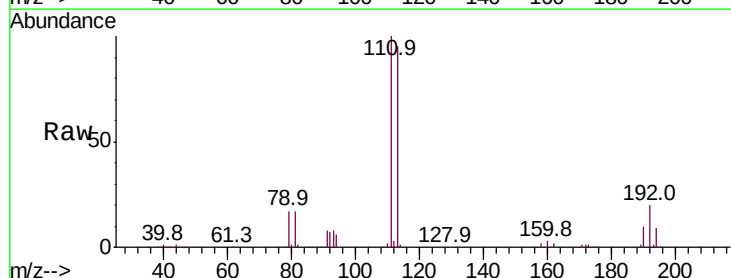
Tgt Ion:113 Resp: 141887

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

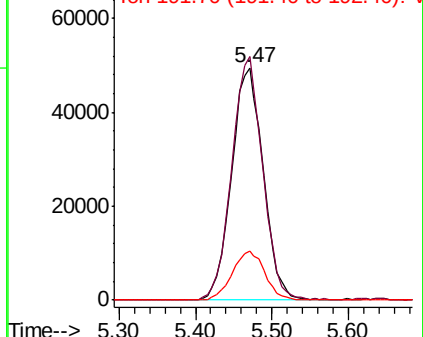
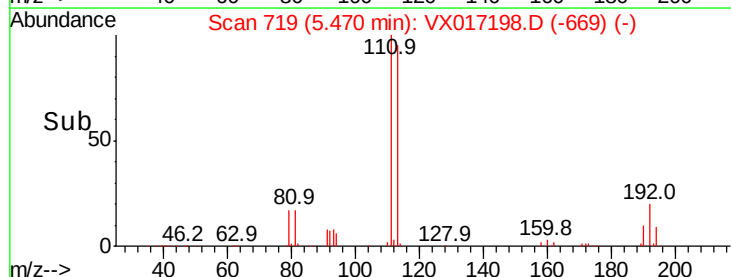
192 21.7 16.7 25.1

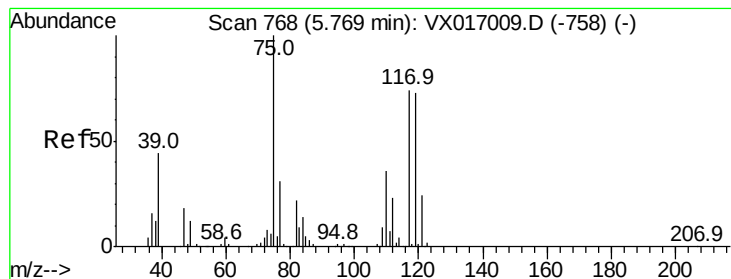


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.381 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

50BR-20200629

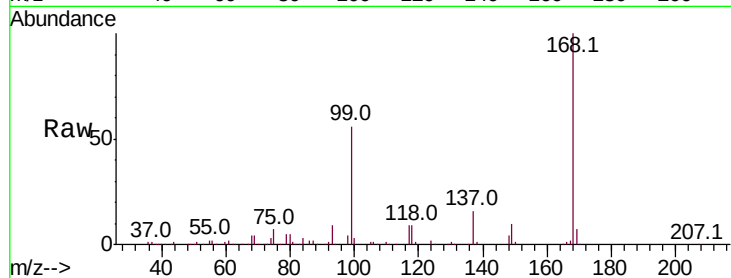
Tot Ion: 75 Resp: 17582

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.1#

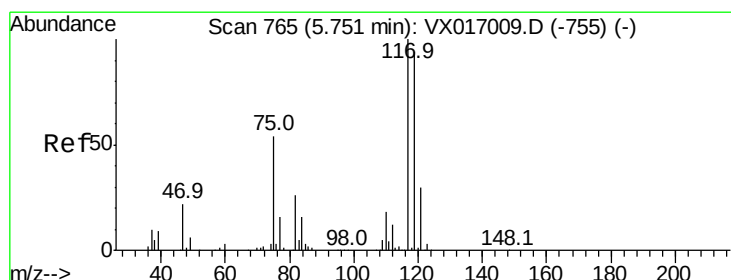
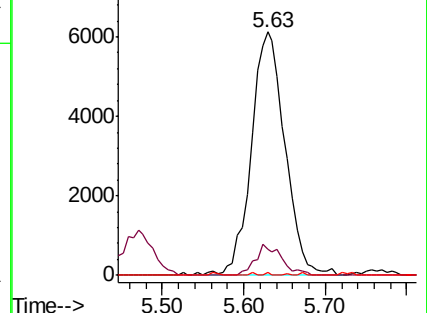
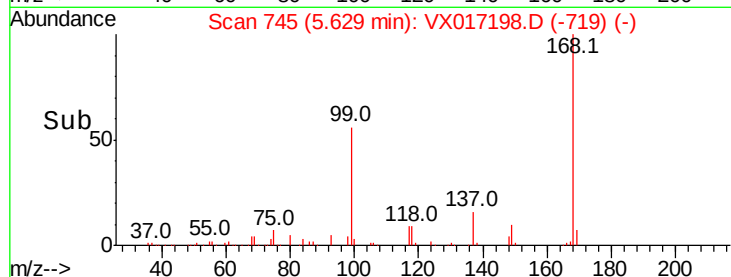
77 0.1 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

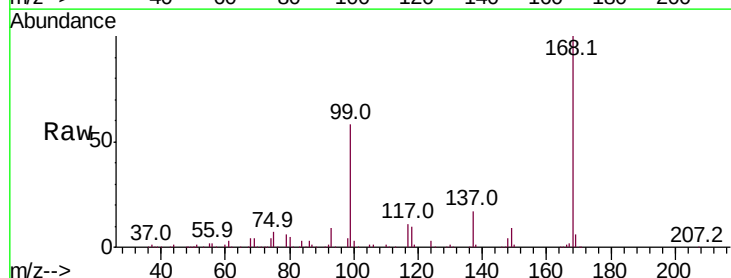
Tgt Ion: 117 Resp: 24653

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.0#

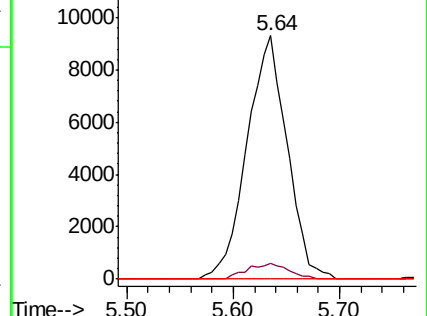
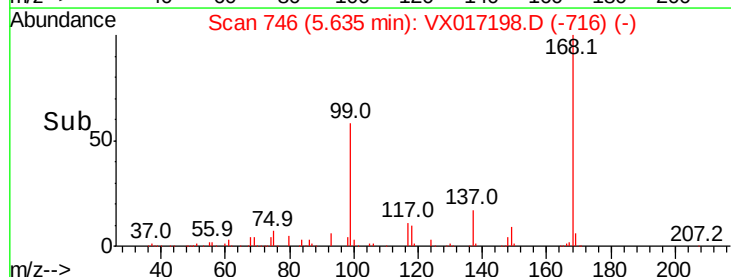
121 0.0 23.8 35.6#

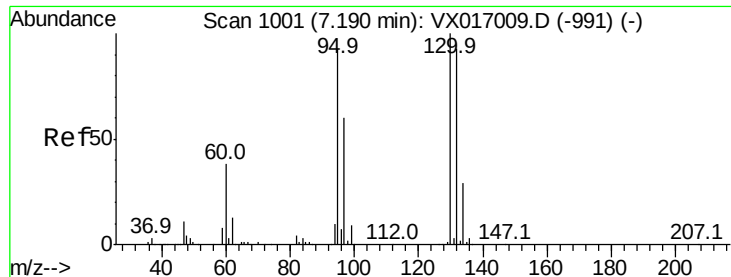


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 2.602 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

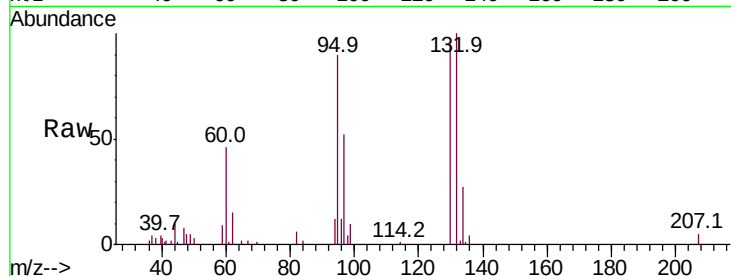
50BR-20200629

Tot Ion:130 Resp: 9421

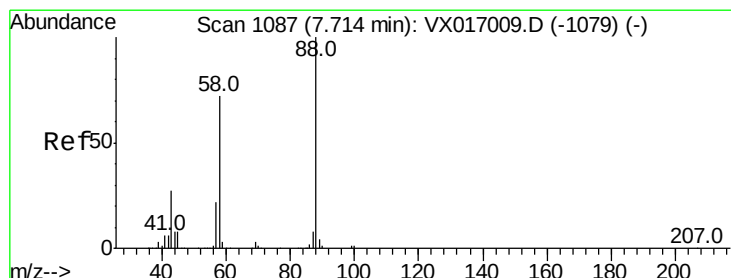
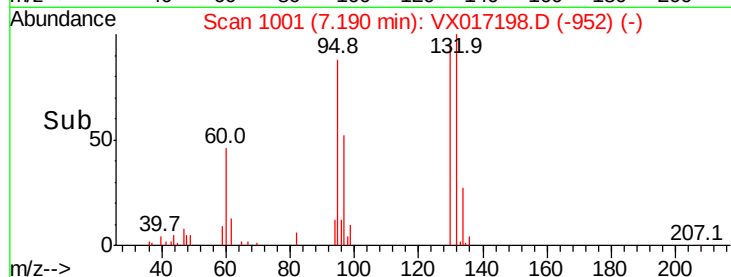
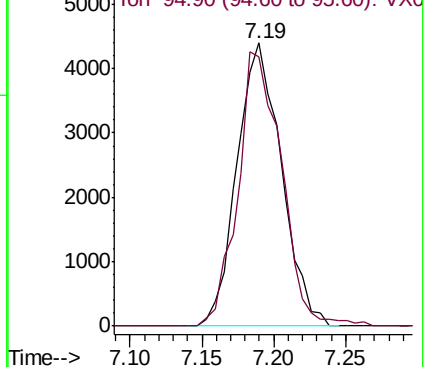
Ion Ratio Lower Upper

130 100

95 95.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VX0



#49

1,4-Dioxane

Concen: 0.275 ug/l

RT: 7.84 min Scan# 1107

Delta R.T. 0.12 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

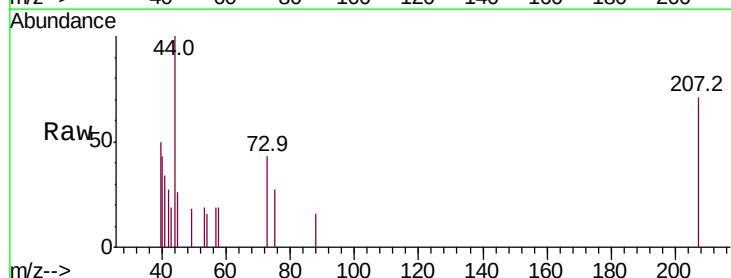
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

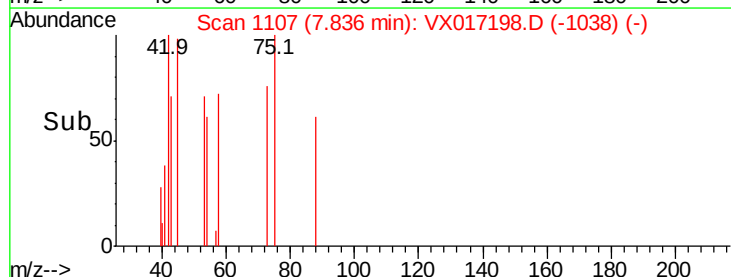
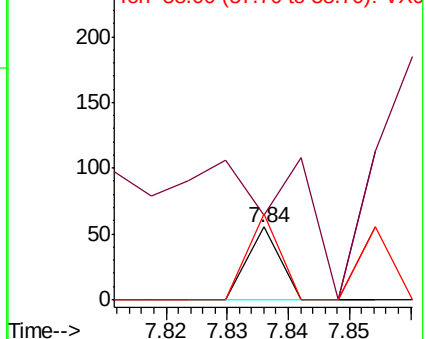
88 100

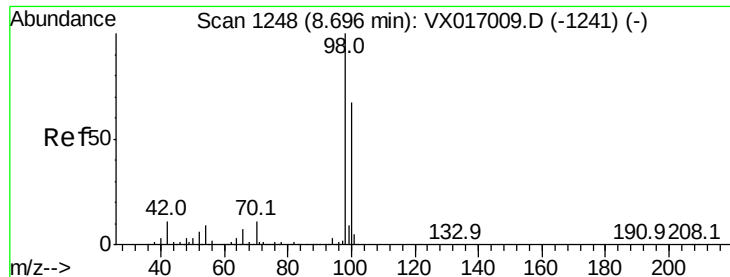
43 0.0 25.8 38.8#

58 120.0 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 50.845 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

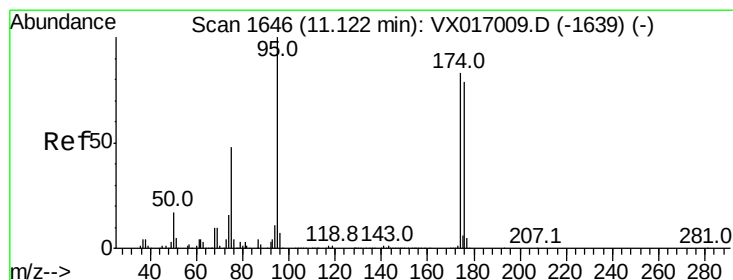
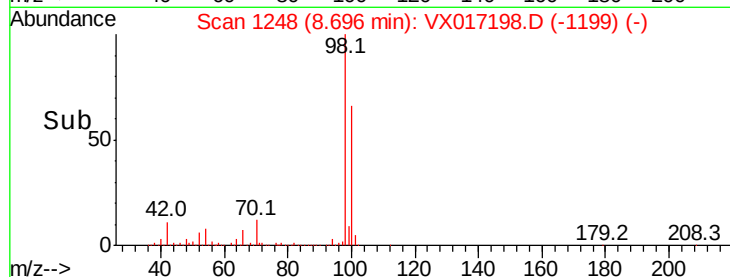
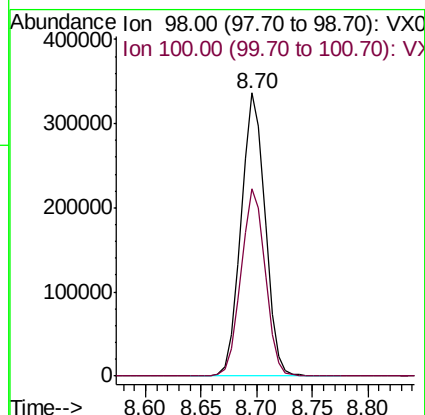
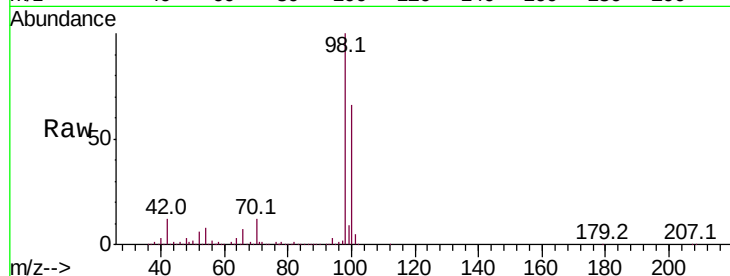
50BR-20200629

Tot Ion: 98 Resp: 505064

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.136 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

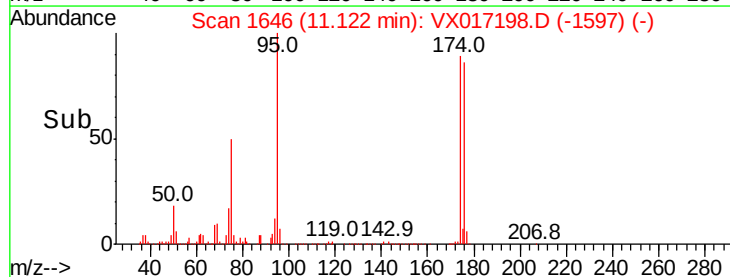
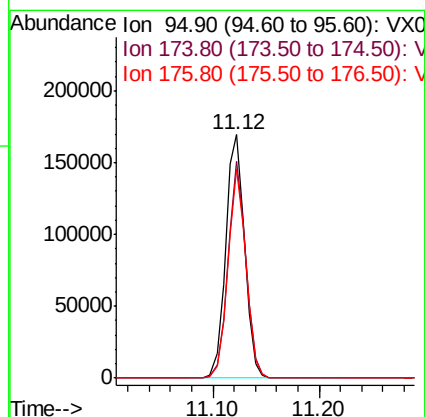
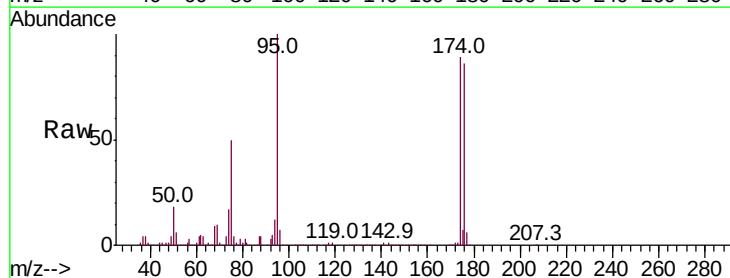
Tgt Ion: 95 Resp: 210216

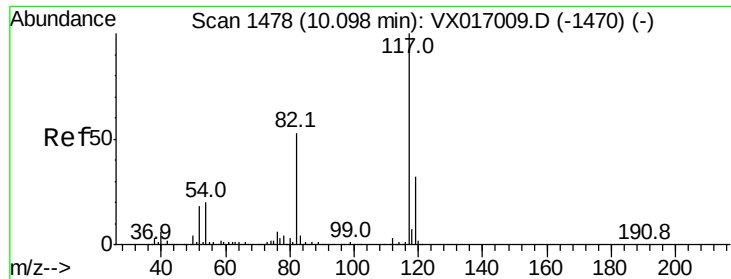
Ion Ratio Lower Upper

95 100

174 84.4 0.0 164.0

176 82.1 0.0 157.6

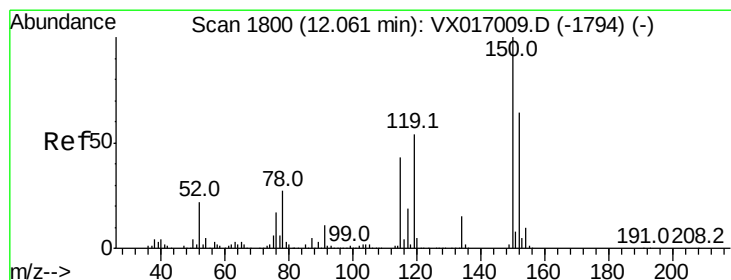
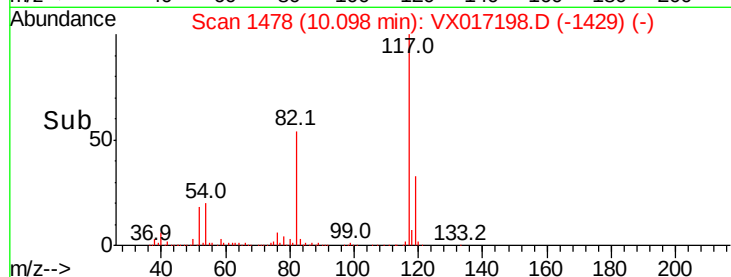
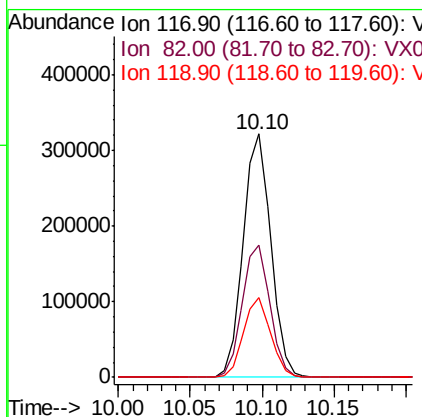
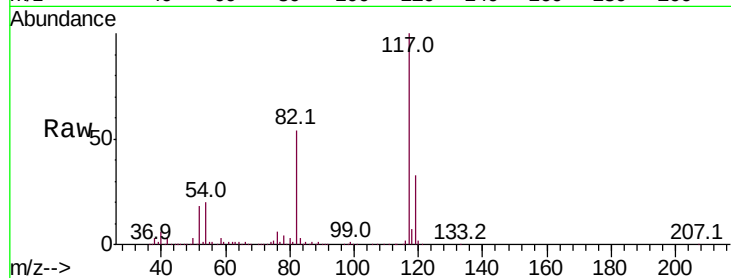




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

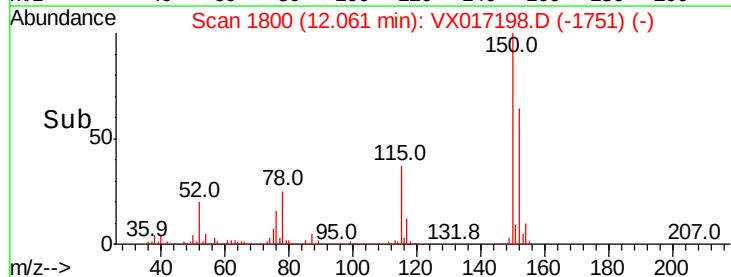
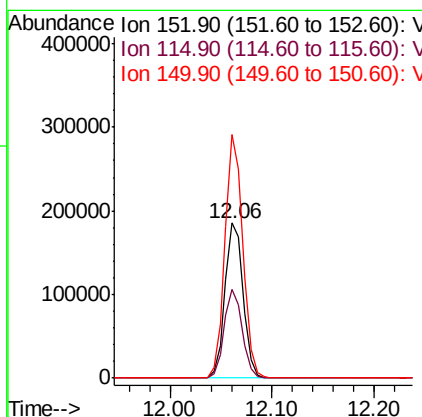
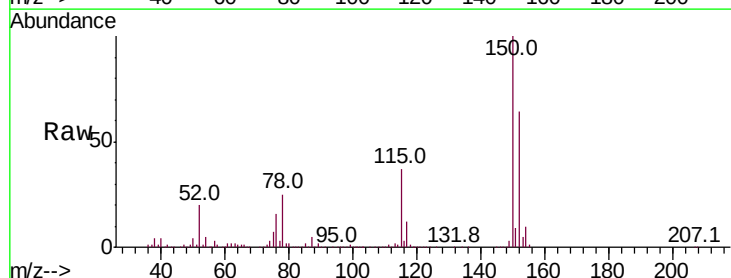
Instrument :
MSVOA_X
ClientSampleId :
50BR-20200629

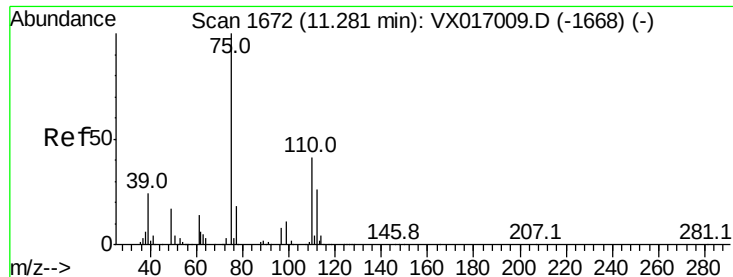
Tot Ion:117 Resp: 427693
Ion Ratio Lower Upper
117 100
82 54.4 42.6 63.8
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017198.D
Acq: 07 Jul 2020 13:13

Tgt Ion:152 Resp: 229678
Ion Ratio Lower Upper
152 100
115 56.8 40.9 122.7
150 153.4 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 22.736 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

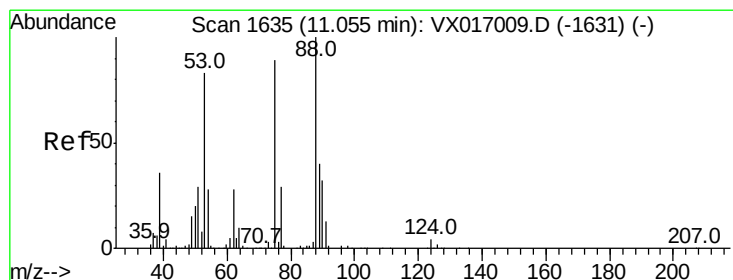
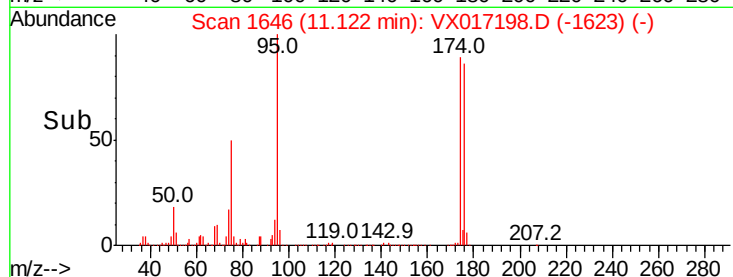
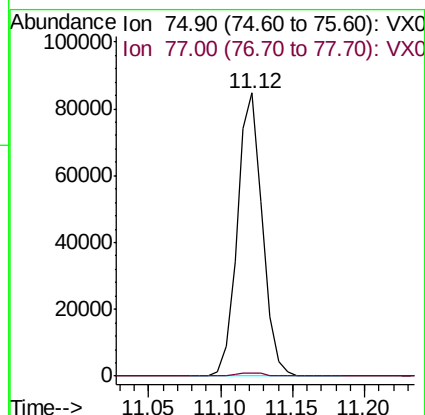
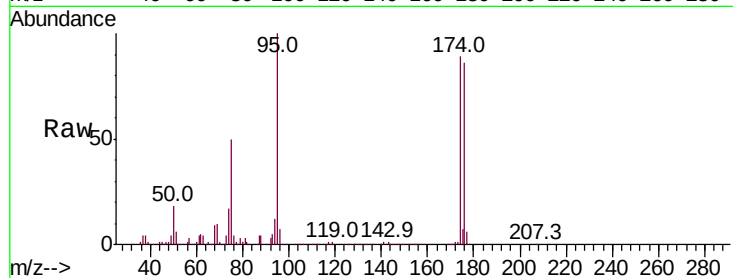
50BR-20200629

Tot Ion: 75 Resp: 102685

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.877 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

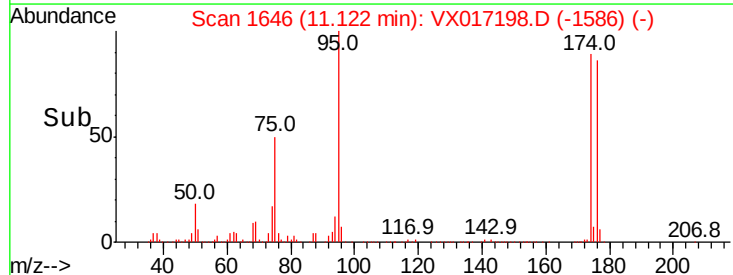
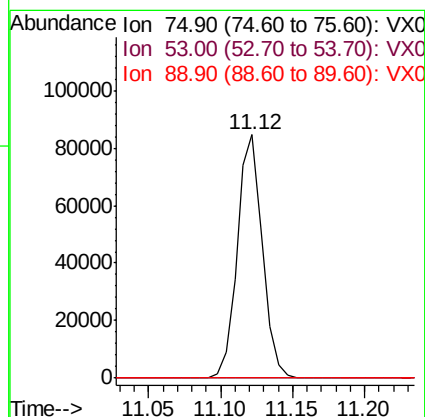
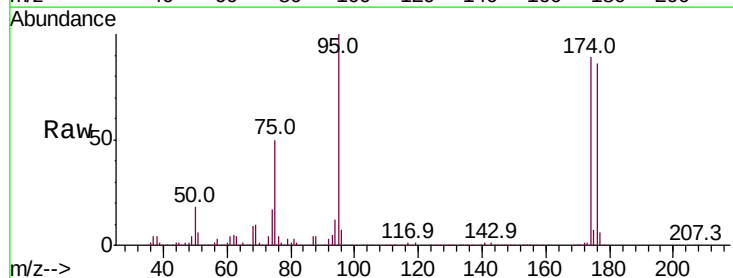
Tgt Ion: 75 Resp: 102685

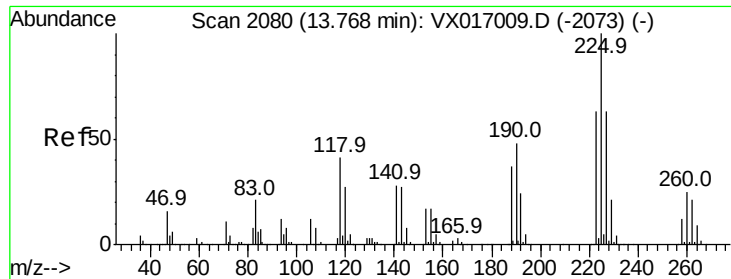
Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.1 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.889 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

50BR-20200629

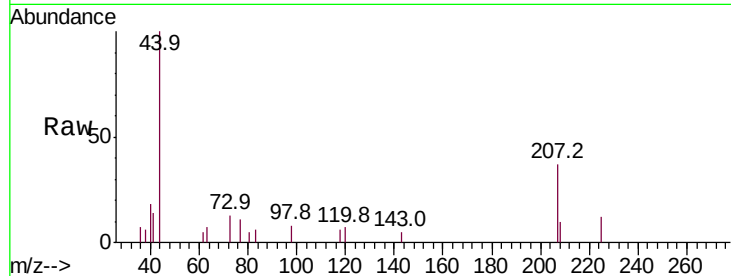
Tot Ion: 225 Resp: 83

Ion Ratio Lower Upper

225 100

223 68.7 32.5 97.5

227 113.3 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

