

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017199.D
 Acq On : 07 Jul 2020 13:35
 Operator : JC/SP
 Sample : L3159-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 63BR-20200629

Quant Time: Jul 08 01:52:34 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	252740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	426580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223000	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	165895	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	5.47	113	143089	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	8.70	98	516170	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.12	95	205448	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

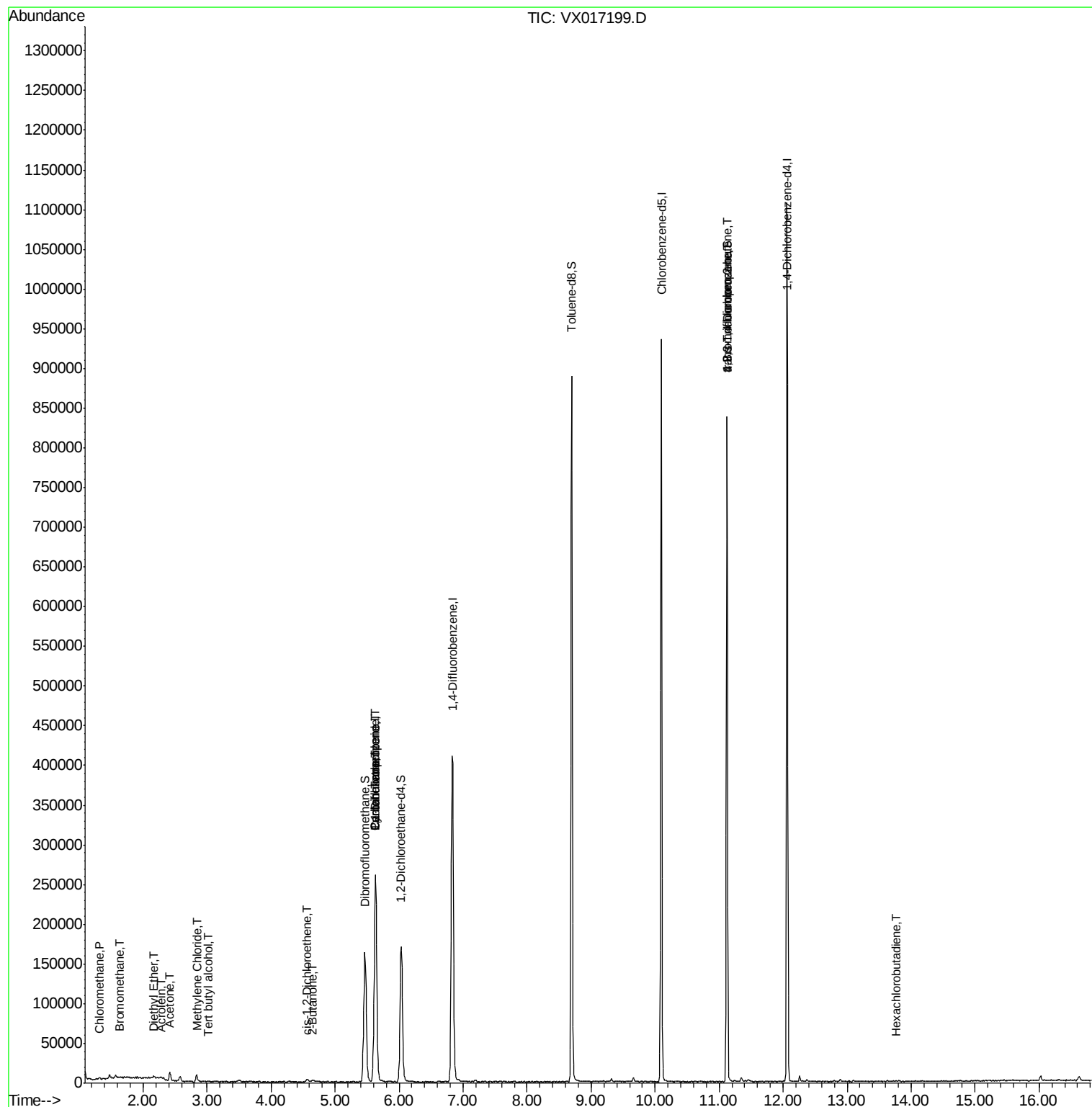
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1186	0.401	ug/l	90
5) Bromomethane	1.64	94	518	0.357	ug/l #	44
8) Diethyl Ether	2.17	74	1071	1.143	ug/l	94
11) Tert butyl alcohol	3.02	59	1059	1.782	ug/l #	77
13) Acrolein	2.28	56	435	1.224	ug/l #	77
16) Acetone	2.42	43	11233	9.637	ug/l	97
20) Methylene Chloride	2.83	84	3746	0.628	ug/l #	89
25) 2-Butanone	4.64	43	1518	0.782	ug/l #	86
27) cis-1,2-Dichloroethene	4.56	96	2002	0.637	ug/l	90
31) Cyclohexane	5.62	56	5063	1.204	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	17938	4.449	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24641	5.549	ug/l #	17
44) Trichloroethene	7.20	130	565	Below Cal		80
76) 1,2,3-Trichloropropane	11.12	75	102949	23.477	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102949	60.796	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	714	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	117	0.909	ug/l #	32

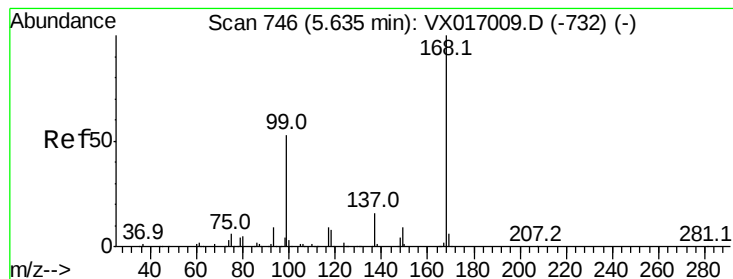
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070720\
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MSVOA_X
ClientSampled :
63BR-20200629

Quant Time: Jul 08 01:52:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

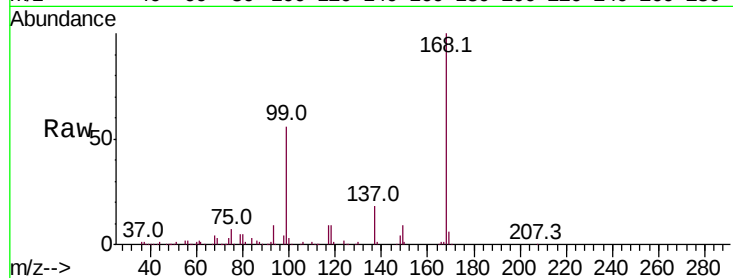
63BR-20200629

Tot Ion:168 Resp: 252740

Ion Ratio Lower Upper

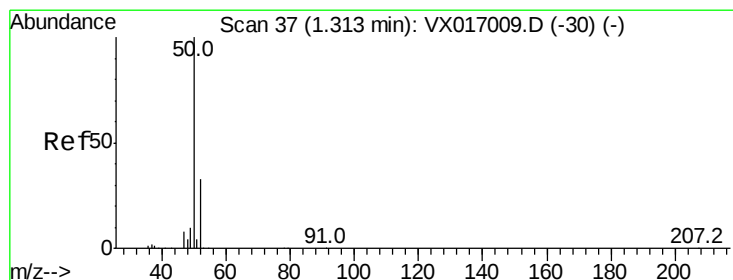
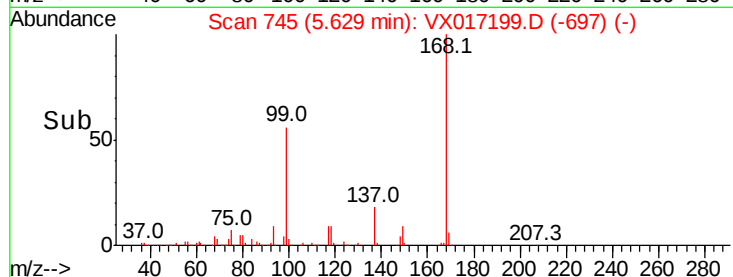
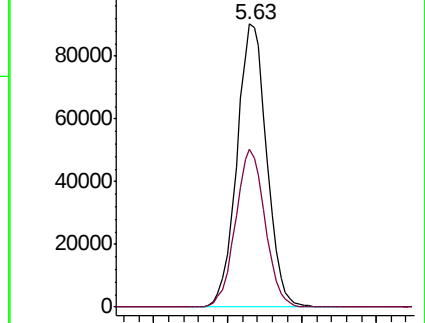
168 100

99 55.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.401 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017199.D

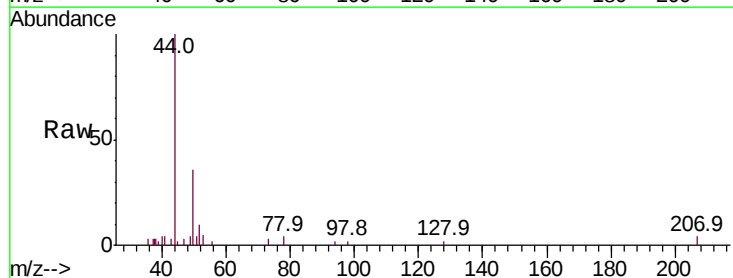
Acq: 07 Jul 2020 13:35

Tgt Ion: 50 Resp: 1186

Ion Ratio Lower Upper

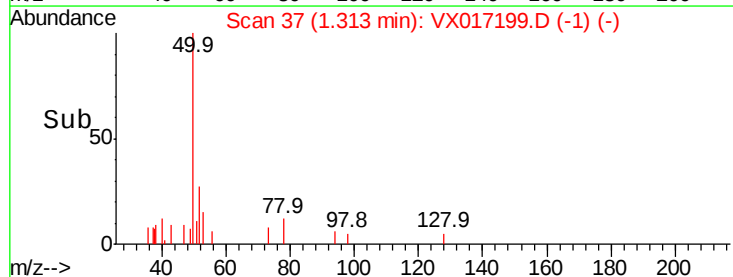
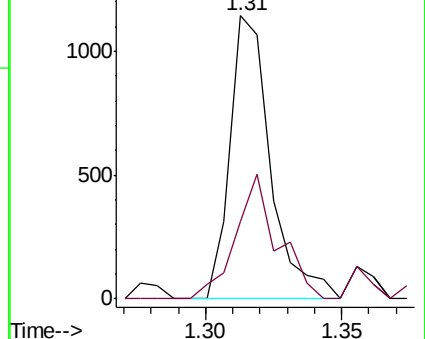
50 100

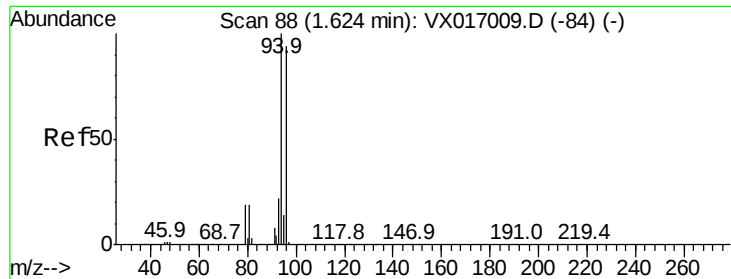
52 27.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.357 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

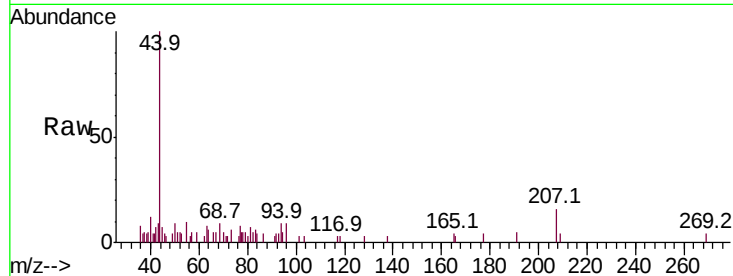
63BR-20200629

Tot Ion: 94 Resp: 518

Ion Ratio Lower Upper

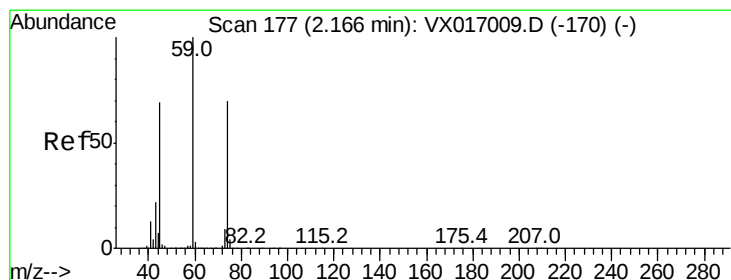
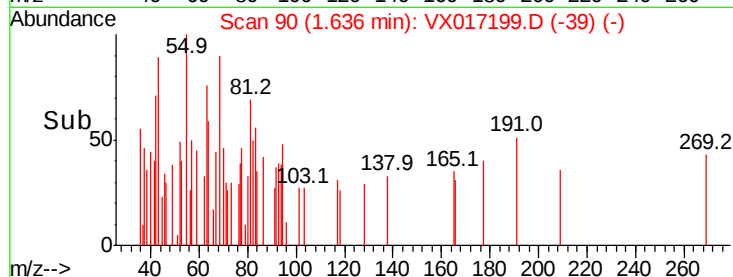
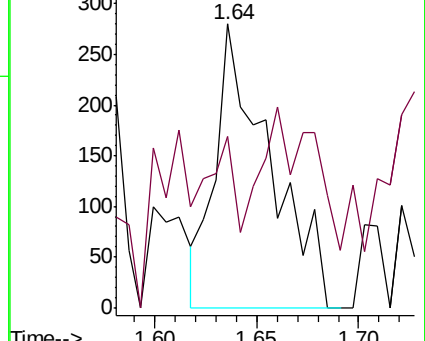
94 100

96 40.0 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 1.143 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017199.D

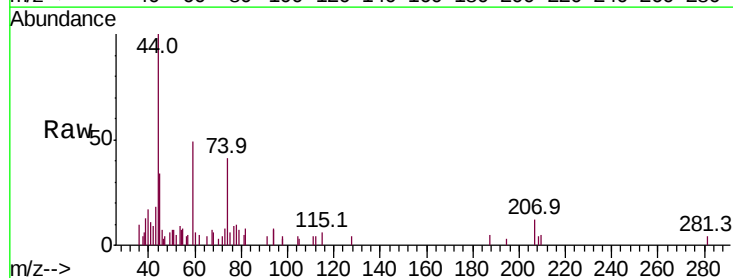
Acq: 07 Jul 2020 13:35

Tgt Ion: 74 Resp: 1071

Ion Ratio Lower Upper

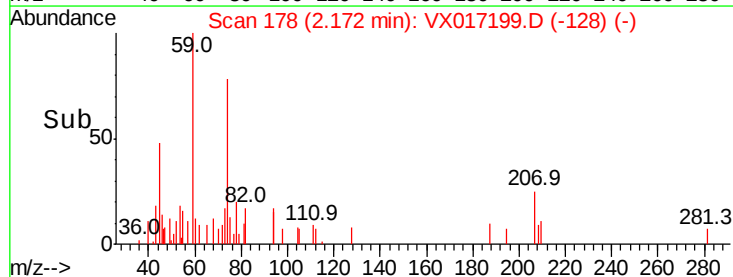
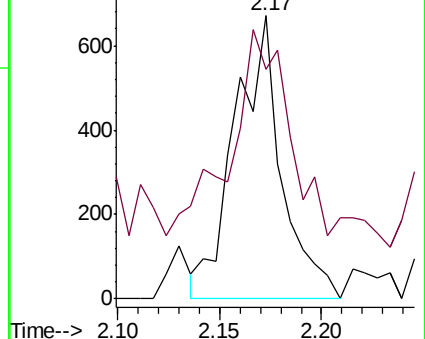
74 100

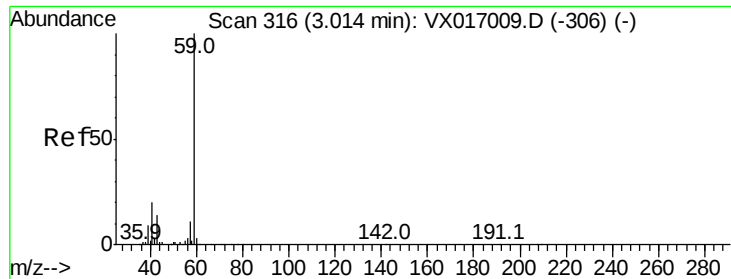
45 93.1 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

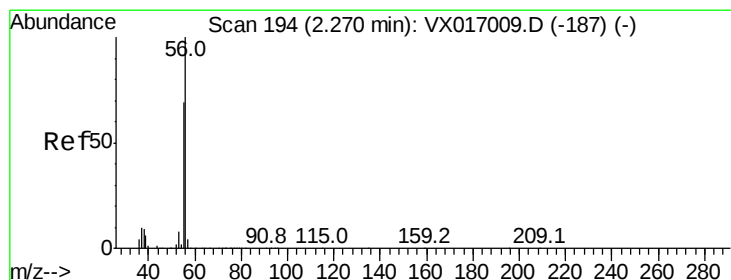
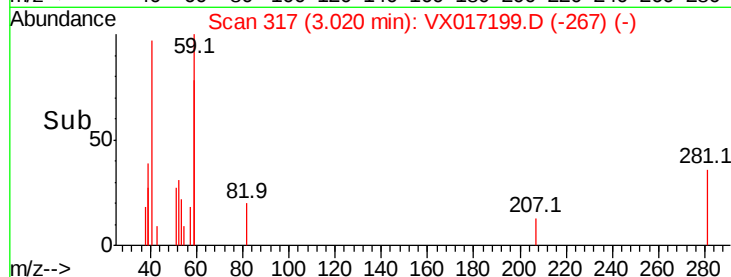
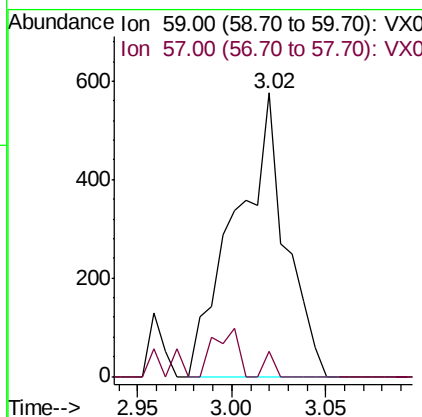
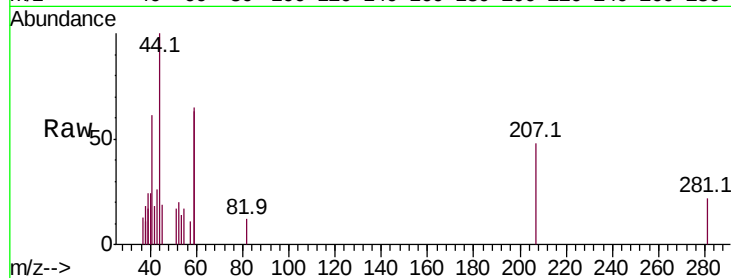




#11
Tert butyl alcohol
Concen: 1.782 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017199.D
Acq: 07 Jul 2020 13:35

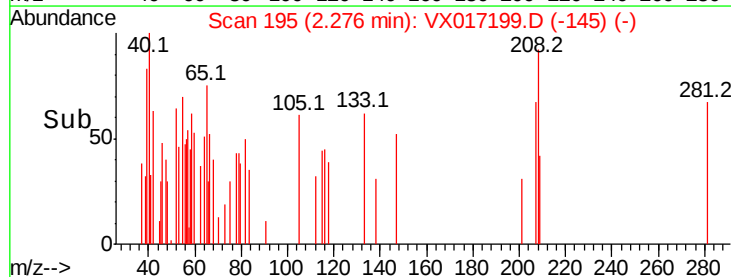
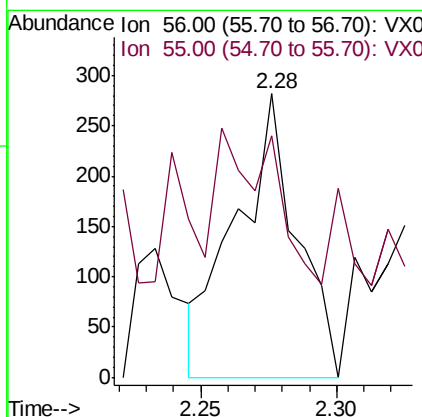
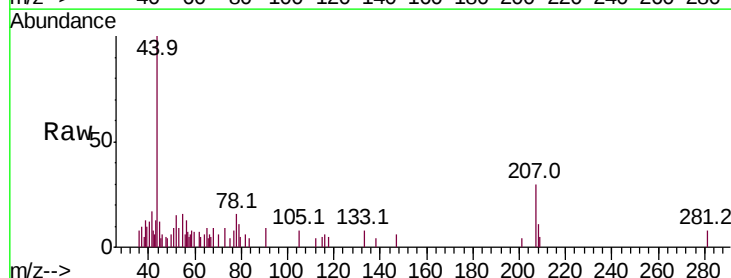
Instrument :
MSVOA_X
ClientSampleId :
63BR-20200629

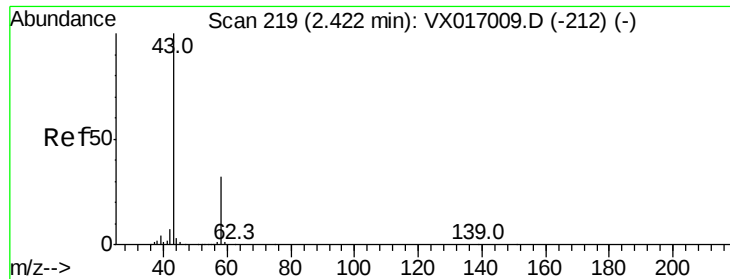
Tot Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
57 1.8 8.2 12.2#



#13
Acrolein
Concen: 1.224 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017199.D
Acq: 07 Jul 2020 13:35

Tgt Ion: 56 Resp: 435
Ion Ratio Lower Upper
56 100
55 88.5 55.7 83.5#





#16

Acetone

Concen: 9.637 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

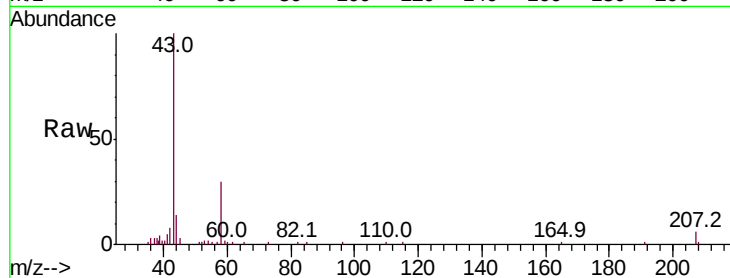
63BR-20200629

Tot Ion: 43 Resp: 11233

Ion Ratio Lower Upper

43 100

58 30.4 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

6000

4000

2000

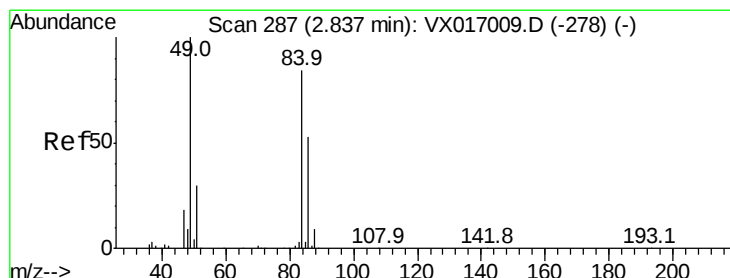
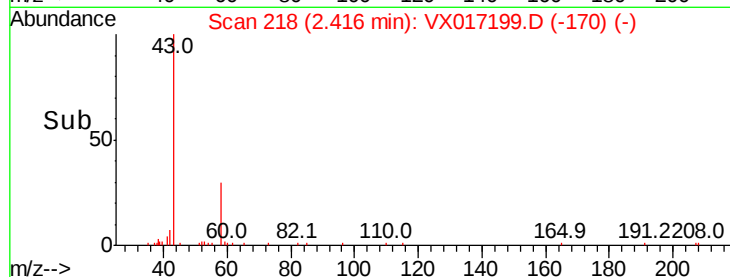
0

Time-->

2.35

2.40

2.45



#20

Methylene Chloride

Concen: 0.628 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Tgt Ion: 84 Resp: 3746

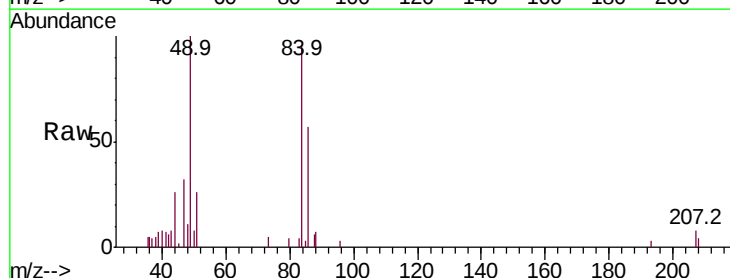
Ion Ratio Lower Upper

84 100

49 104.2 94.7 142.1

51 27.2 28.6 42.8#

86 59.0 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

2.83

4000

3000

2000

1000

0

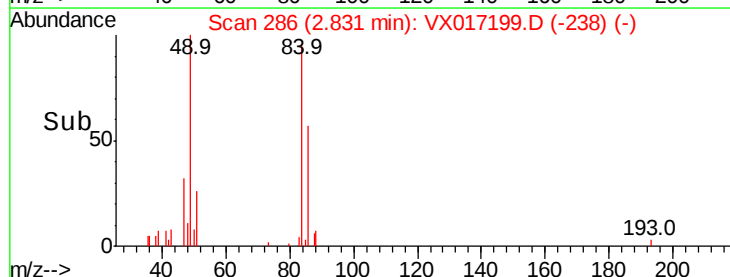
Time-->

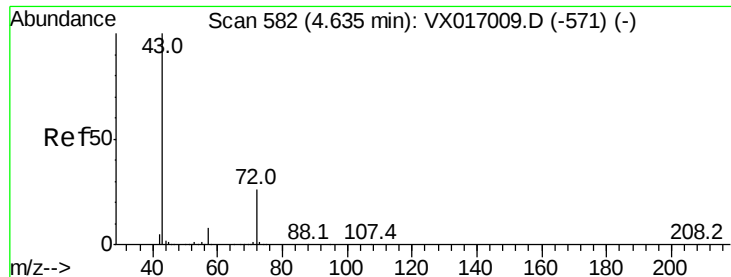
2.75

2.80

2.85

2.90





#25

2-Butanone

Concen: 0.782 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

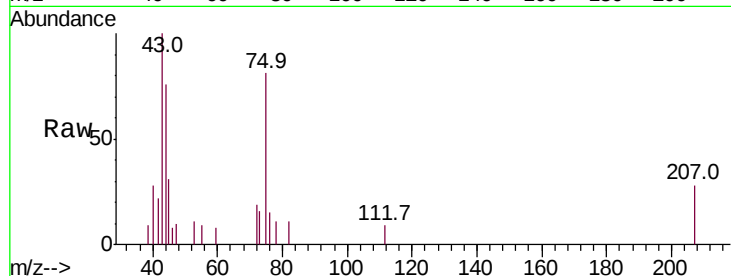
63BR-20200629

Tot Ion: 43 Resp: 1518

Ion Ratio Lower Upper

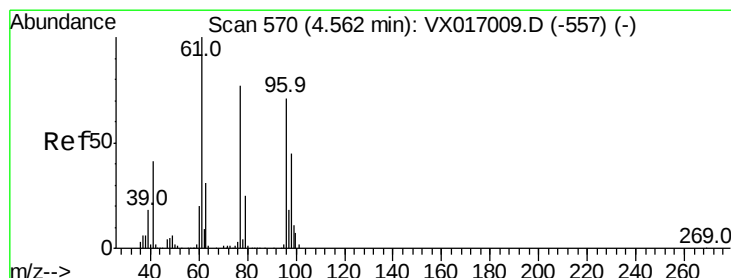
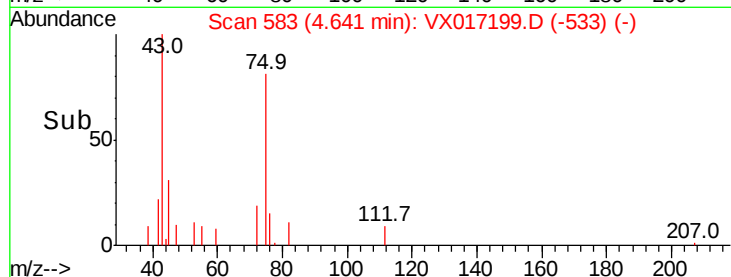
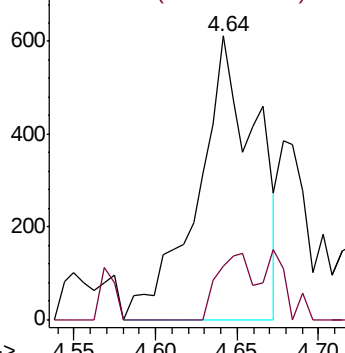
43 100

72 19.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.637 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

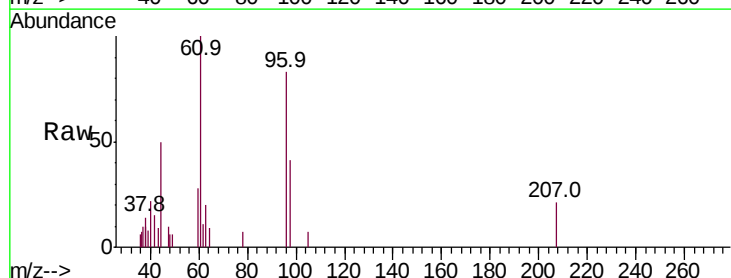
Tgt Ion: 96 Resp: 2002

Ion Ratio Lower Upper

96 100

61 124.4 0.0 282.8

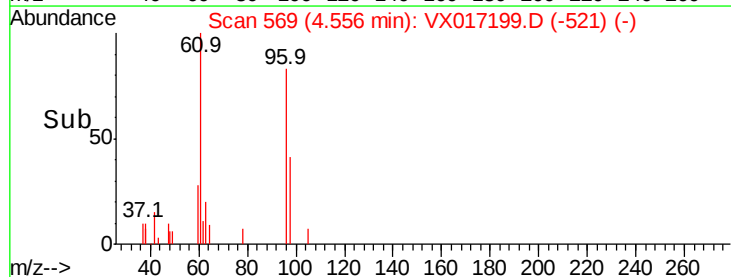
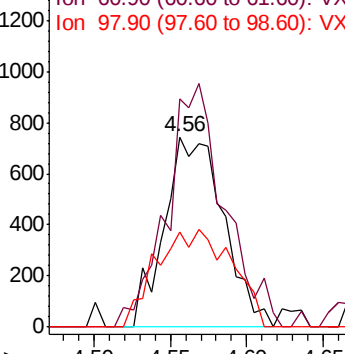
98 65.5 0.0 127.6

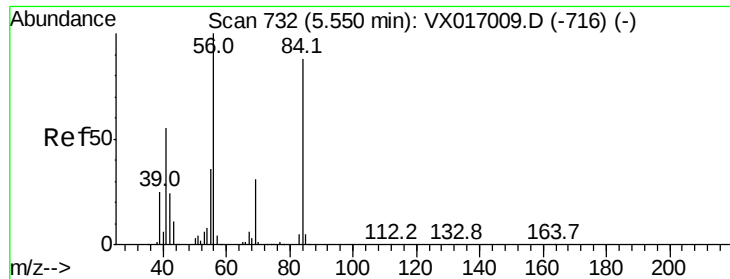


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

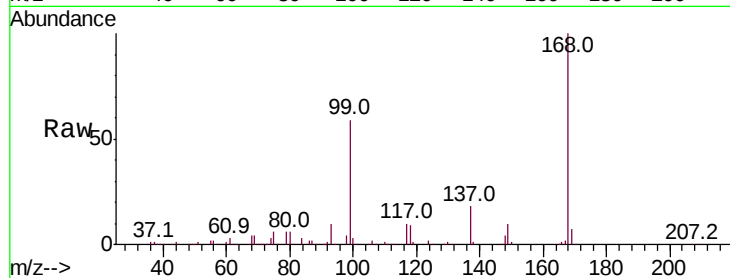




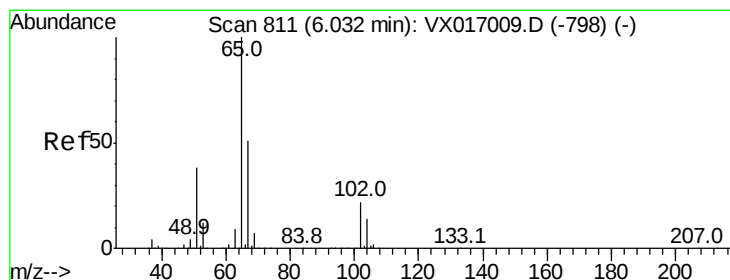
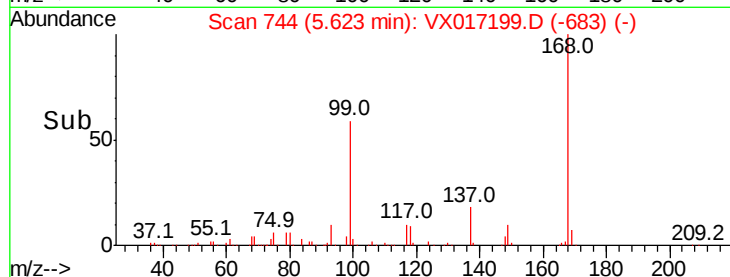
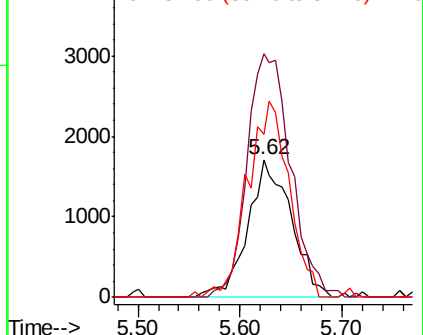
#31
Cyclohexane
Concen: 1.204 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017199.D
Acq: 07 Jul 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
63BR-20200629

Tot Ion: 56 Resp: 5063
Ion Ratio Lower Upper
56 100
69 177.2 25.0 37.4#
84 119.0 69.1 103.7#

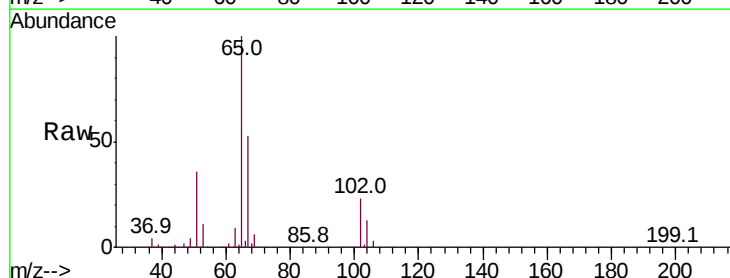


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

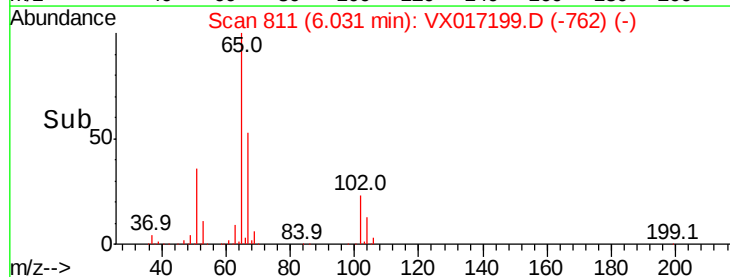
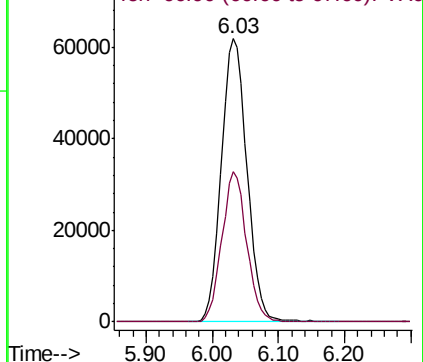


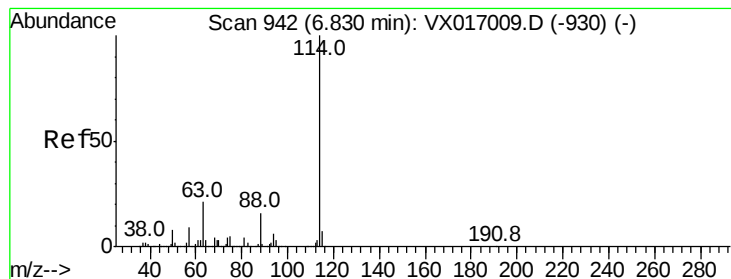
#33
1,2-Dichloroethane-d4
Concen: 53.244 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017199.D
Acq: 07 Jul 2020 13:35

Tgt Ion: 65 Resp: 165895
Ion Ratio Lower Upper
65 100
67 51.3 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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

63BR-20200629

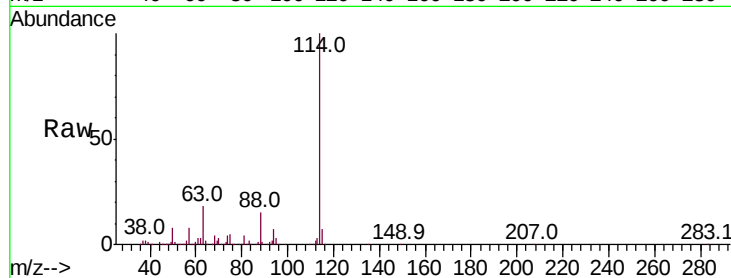
Tot Ion:114 Resp: 426580

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.4

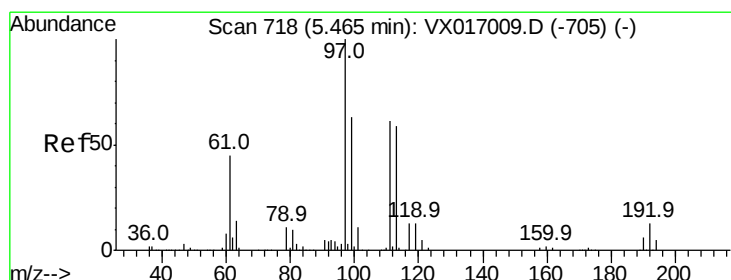
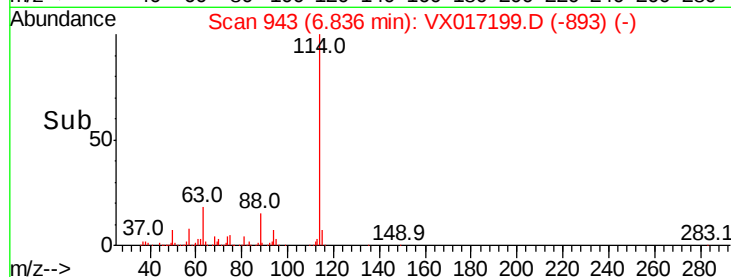
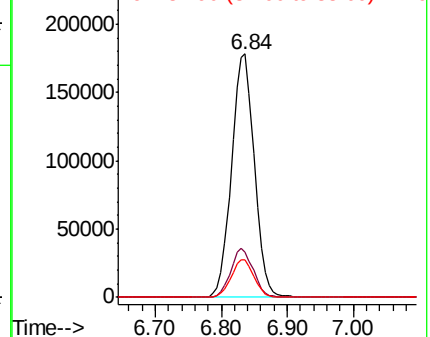
88 15.3 0.0 32.4



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: 53.027 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

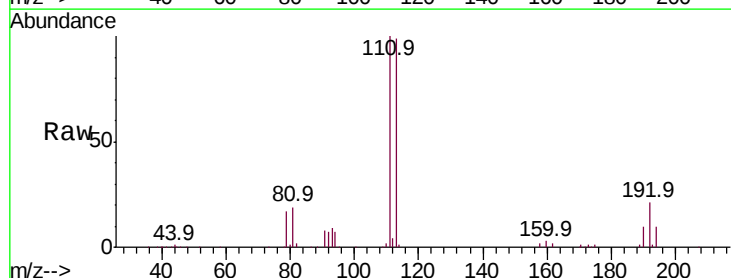
Tgt Ion:113 Resp: 143089

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

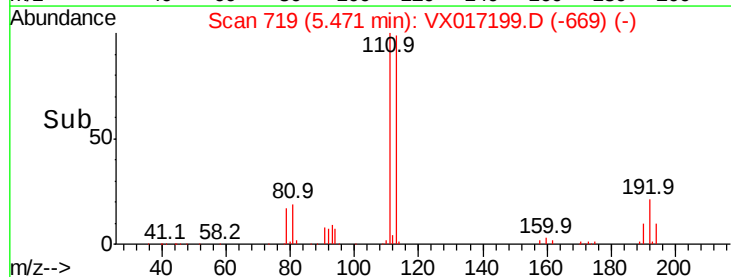
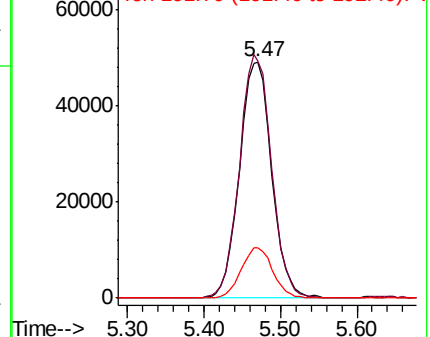
192 21.1 16.7 25.1

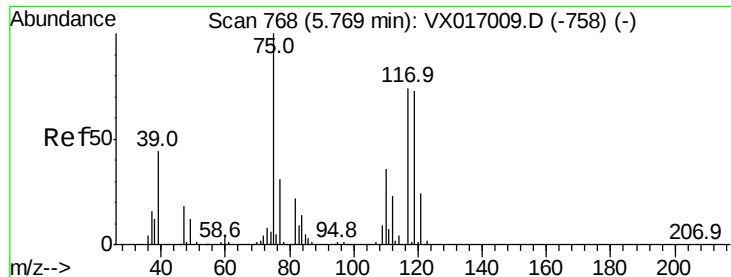


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

63BR-20200629

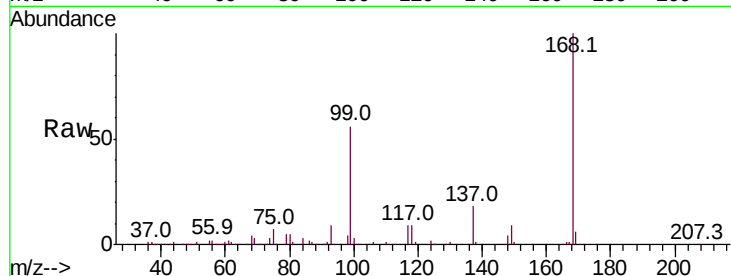
Tot Ion: 75 Resp: 17938

Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.1#

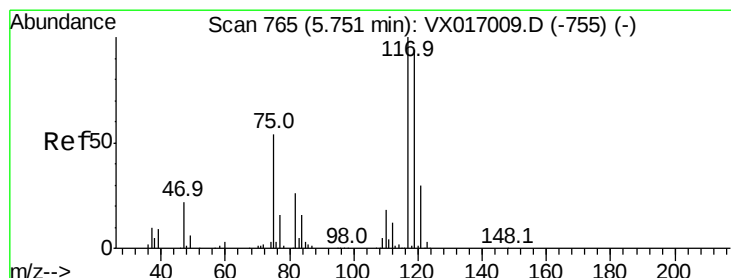
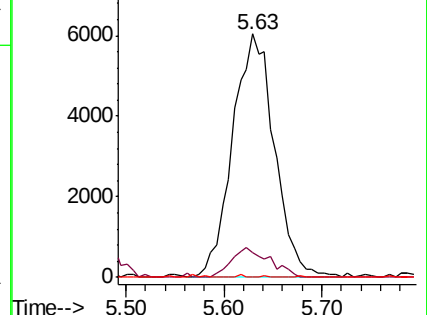
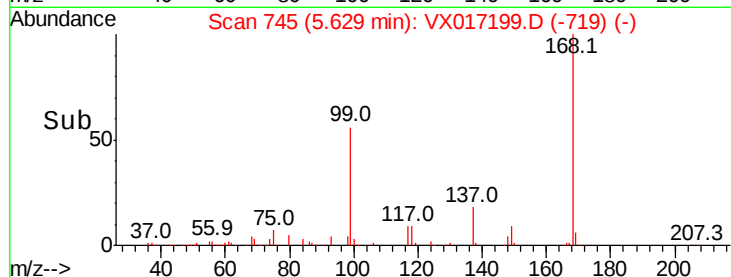
77 0.1 24.6 37.0#



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: 5.549 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

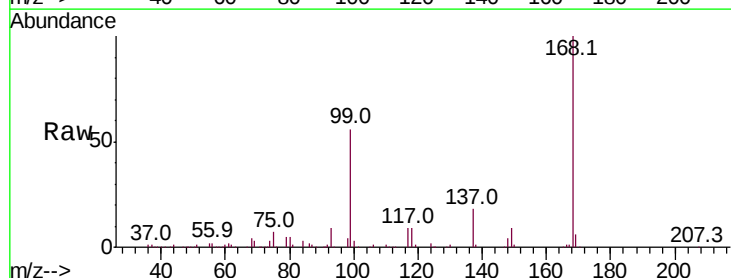
Tgt Ion:117 Resp: 24641

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

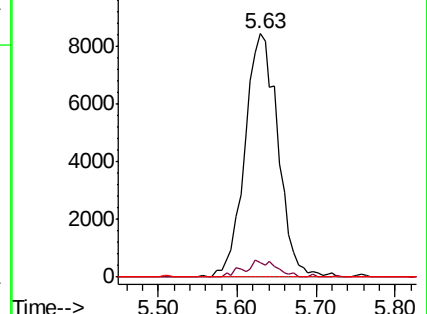
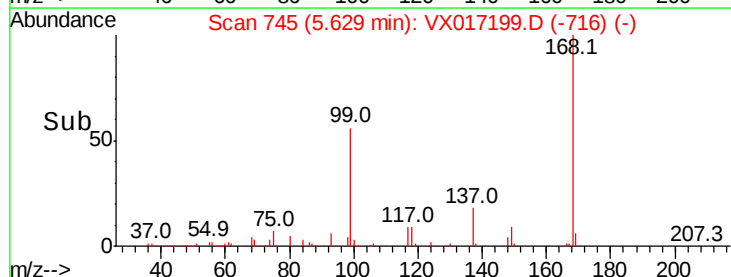
121 0.0 23.8 35.6#

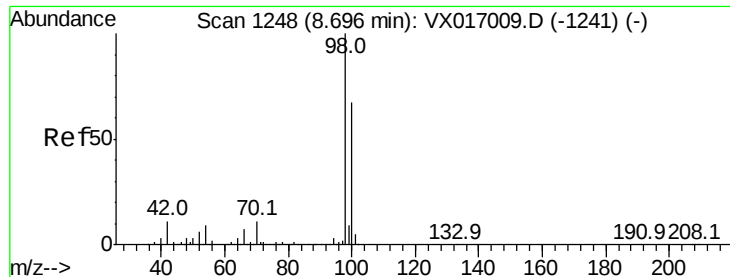


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.730 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

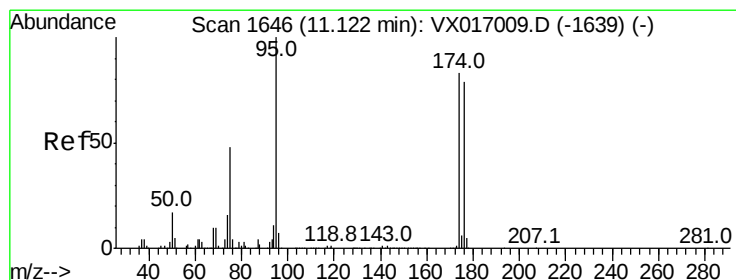
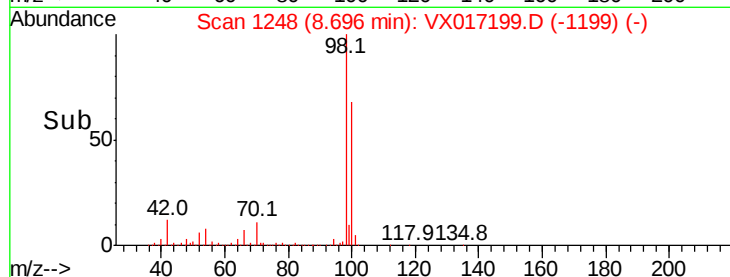
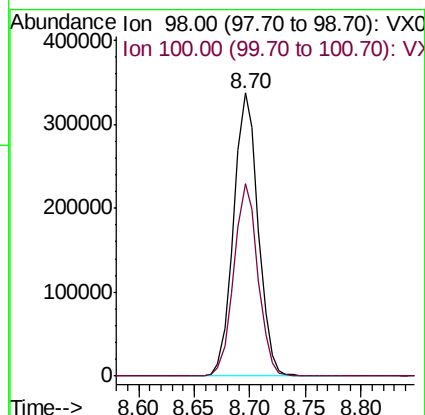
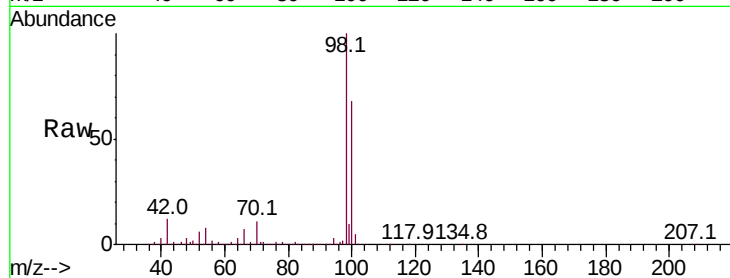
63BR-20200629

Tot Ion: 98 Resp: 516170

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 52.671 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

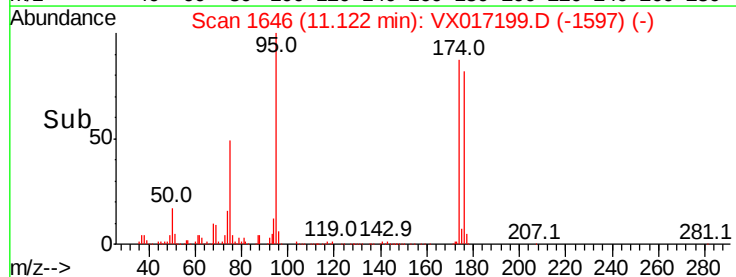
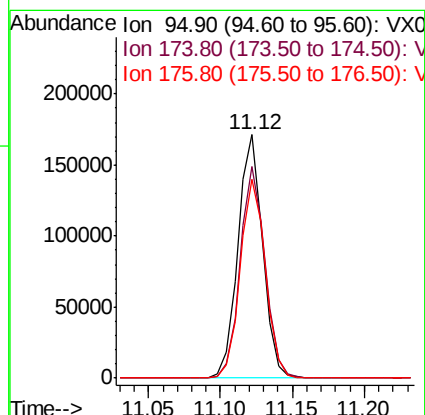
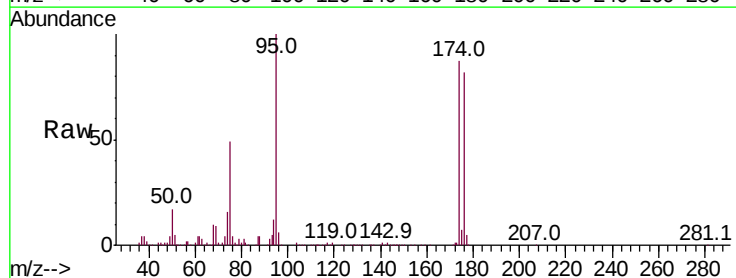
Tgt Ion: 95 Resp: 205448

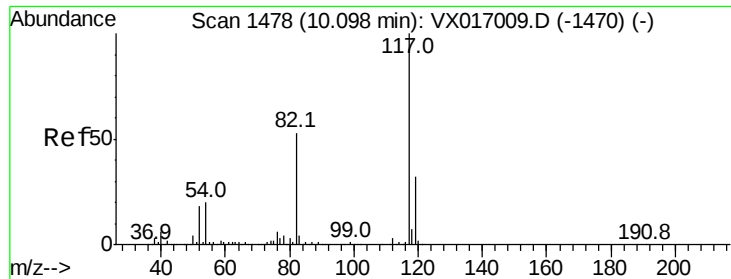
Ion Ratio Lower Upper

95 100

174 87.0 0.0 164.0

176 82.5 0.0 157.6

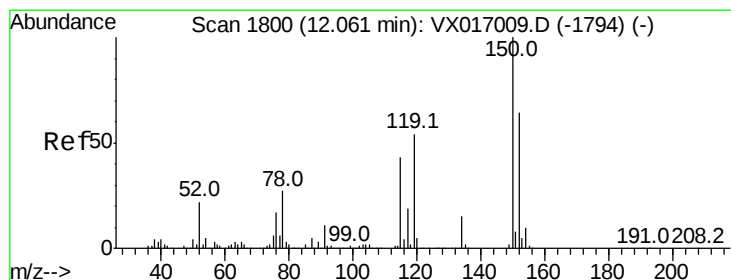
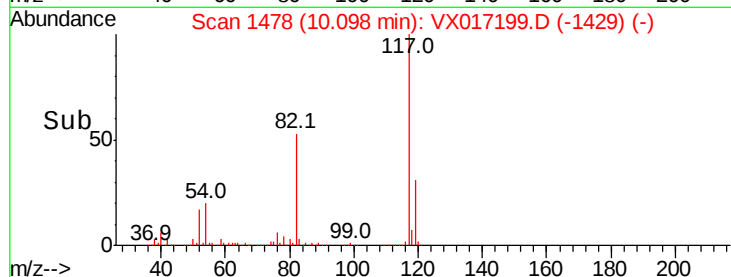
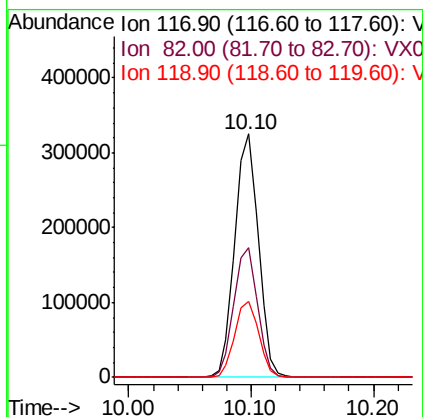
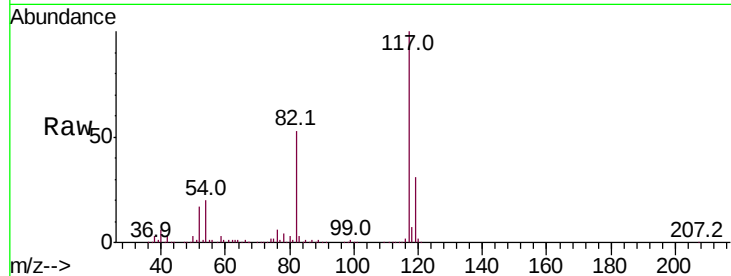




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017199.D
Acq: 07 Jul 2020 13:35

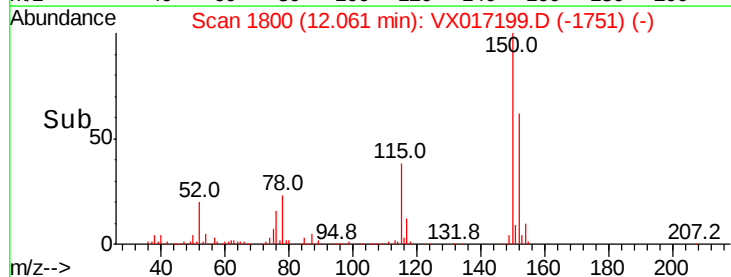
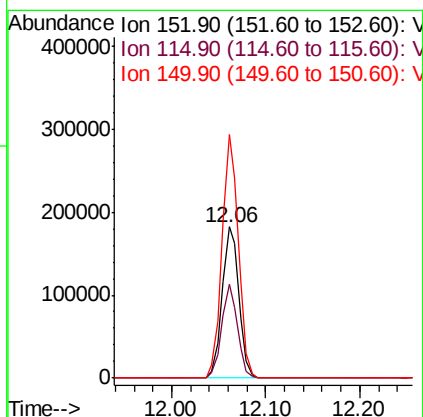
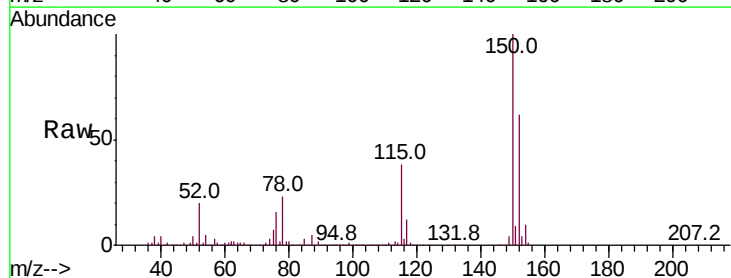
Instrument :
MSVOA_X
ClientSampleId :
63BR-20200629

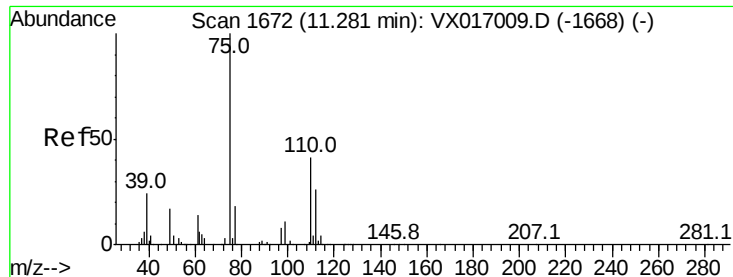
Tot Ion:117 Resp: 432959
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017199.D
Acq: 07 Jul 2020 13:35

Tgt Ion:152 Resp: 223000
Ion Ratio Lower Upper
152 100
115 58.6 40.9 122.7
150 157.9 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.477 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

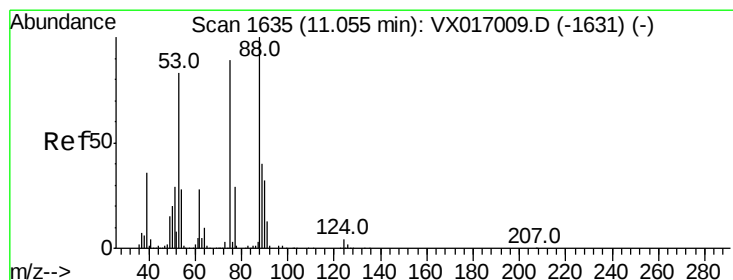
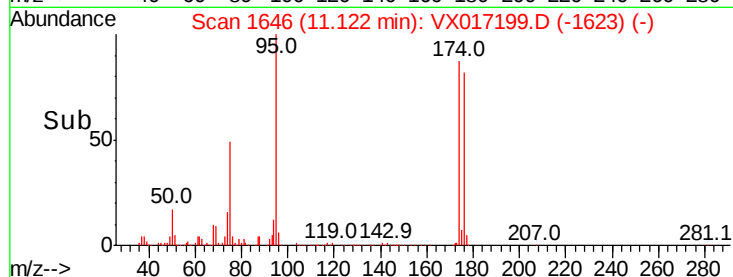
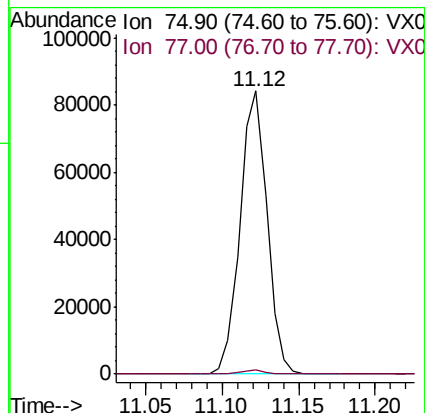
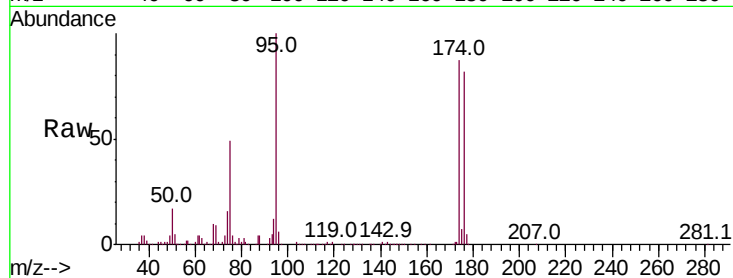
63BR-20200629

Tot Ion: 75 Resp: 102949

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.796 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

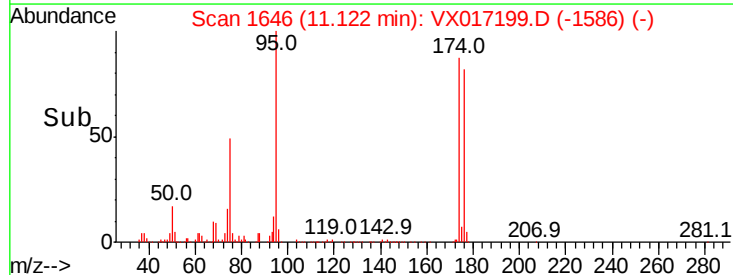
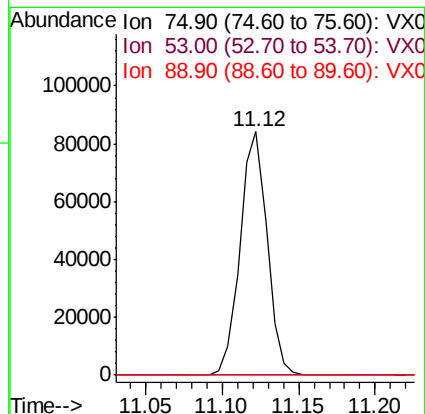
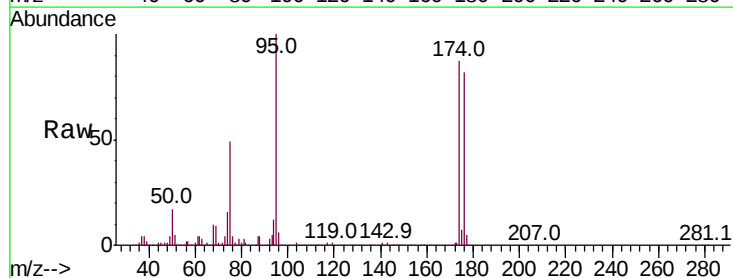
Tgt Ion: 75 Resp: 102949

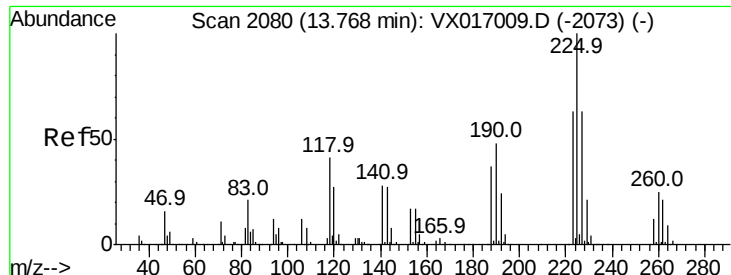
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.909 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017199.D

Acq: 07 Jul 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

63BR-20200629

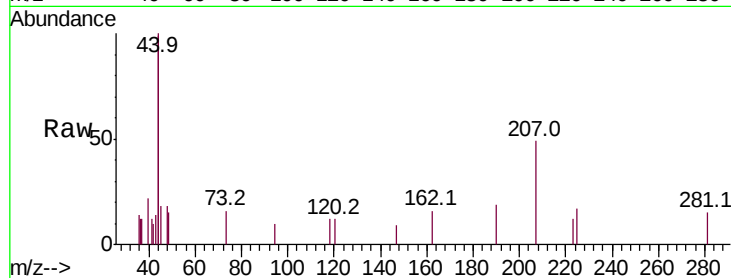
Tot Ion:225 Resp: 117

Ion Ratio Lower Upper

225 100

223 106.8 32.5 97.5#

227 0.0 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

