

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017128.D
 Acq On : 02 Jul 2020 03:23
 Operator : JC/SP
 Sample : L3159-15 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 38BR-20200629

Quant Time: Jul 02 04:22:38 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	208622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	350934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	367309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203519	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	137346	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
35) Dibromofluoromethane	5.46	113	116176	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	8.70	98	425349	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	11.12	95	182413	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	

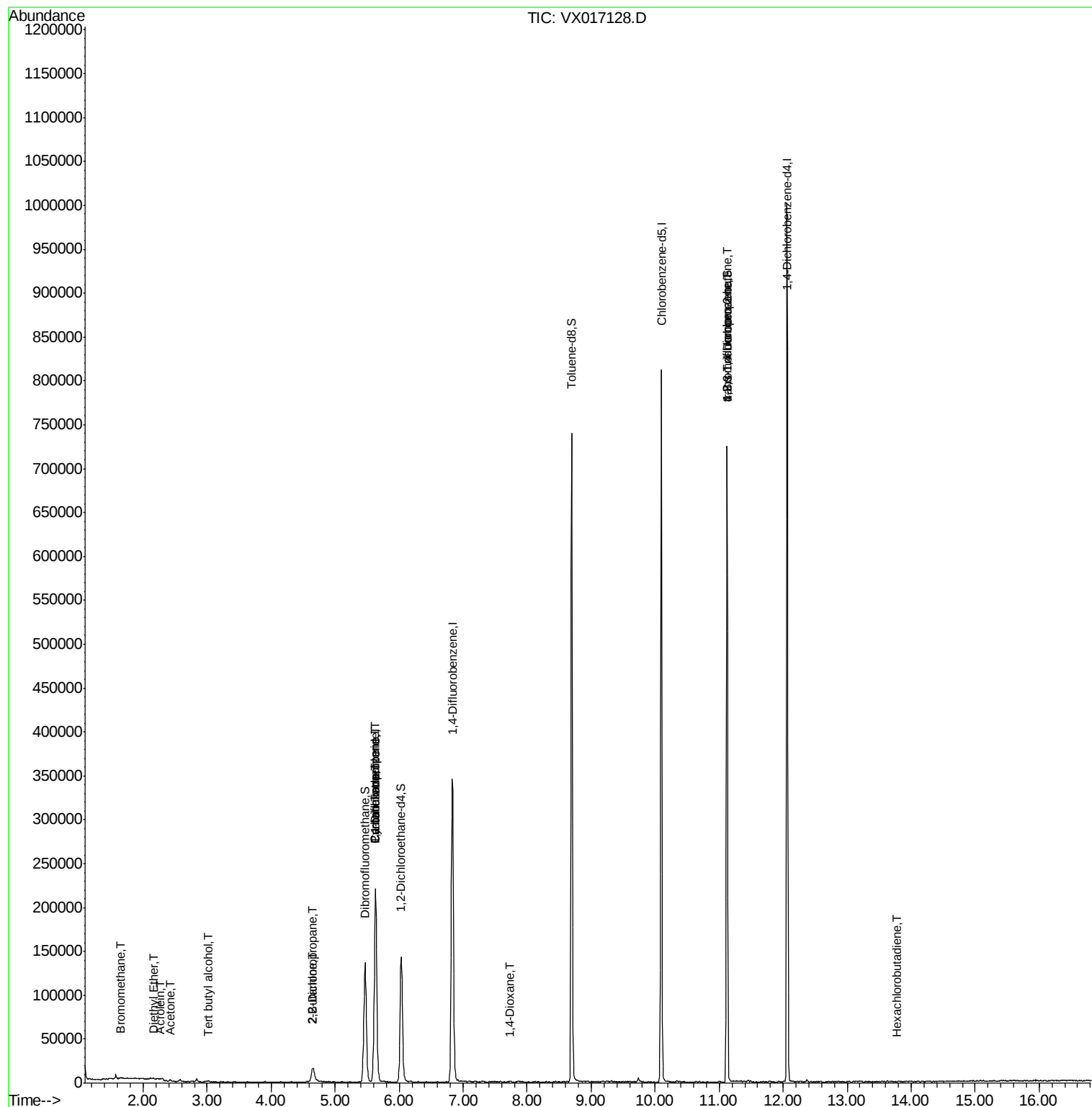
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	344	0.287	ug/l #	30
8) Diethyl Ether	2.17	74	358	0.681	ug/l #	47
11) Tert butyl alcohol	3.02	59	945	1.926	ug/l #	91
13) Acrolein	2.27	56	218	0.743	ug/l #	1
16) Acetone	2.43	43	1734	1.802	ug/l #	83
20) Methylene Chloride	2.83	84	1441	Below Cal	#	90
25) 2-Butanone	4.64	43	872	0.544	ug/l #	49
26) 2,2-Dichloropropane	4.65	77	864	0.242	ug/l #	53
31) Cyclohexane	5.62	56	4181	1.204	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15756	4.750	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20330	5.565	ug/l #	16
44) Trichloroethene	7.19	130	277	Below Cal		48
49) 1,4-Dioxane	7.72	88	27	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	90311	22.566	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	90311	58.438	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	619	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	57	0.879	ug/l #	13

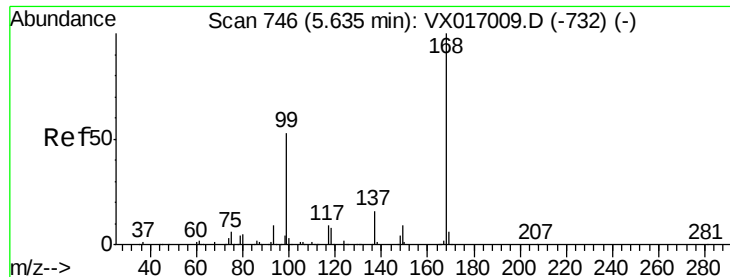
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

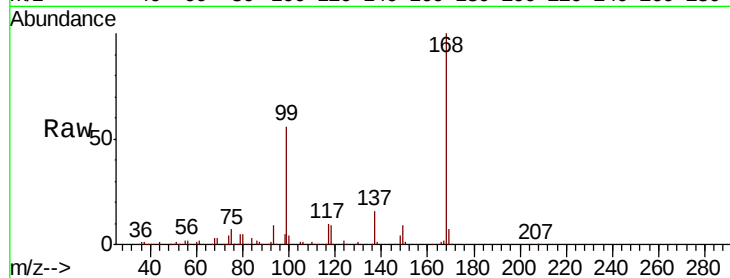
38BR-20200629

Tot Ion:168 Resp: 208622

Ion Ratio Lower Upper

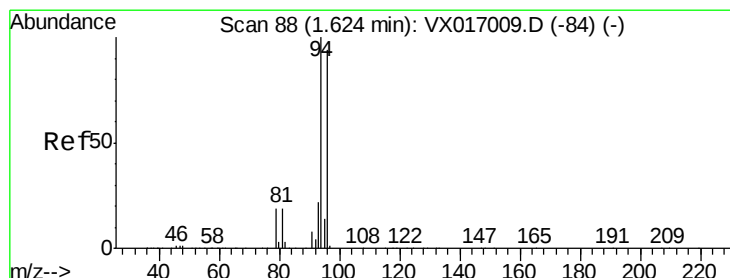
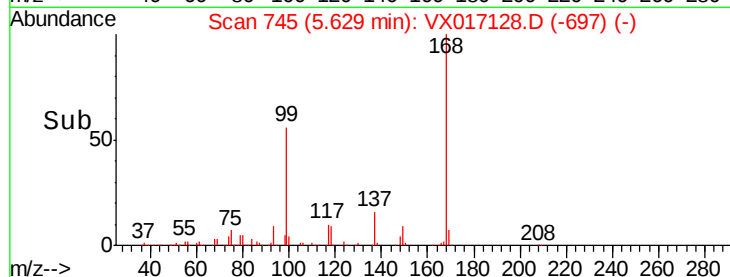
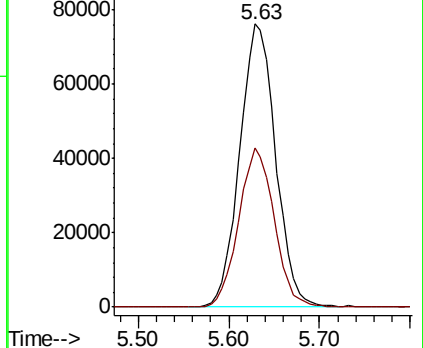
168 100

99 56.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.287 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017128.D

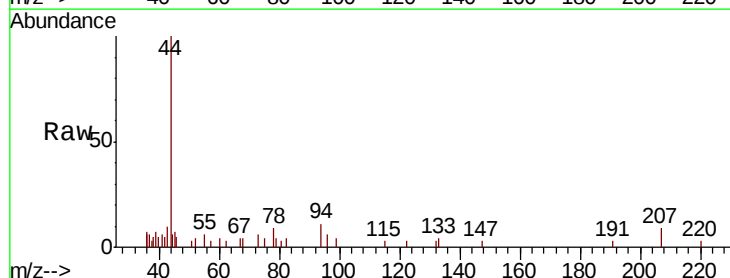
Acq: 02 Jul 2020 03:23

Tgt Ion: 94 Resp: 344

Ion Ratio Lower Upper

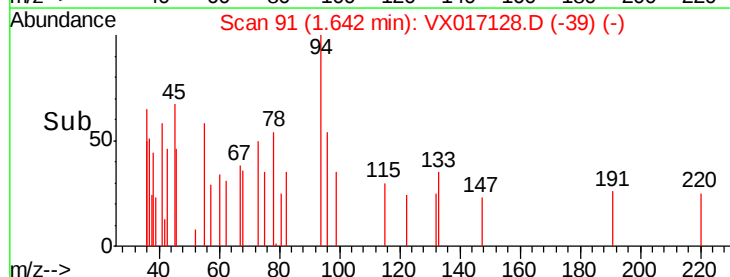
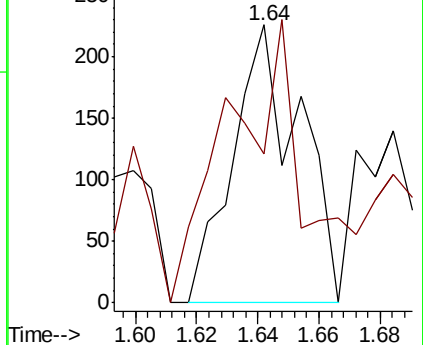
94 100

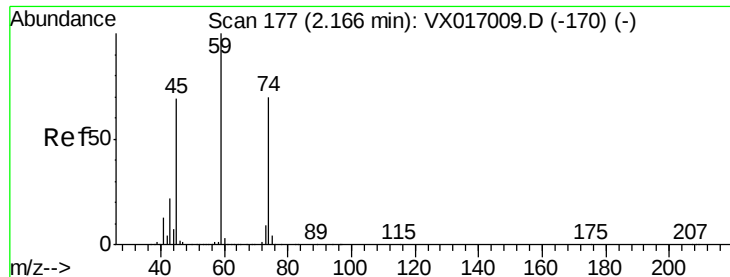
96 26.1 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.681 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

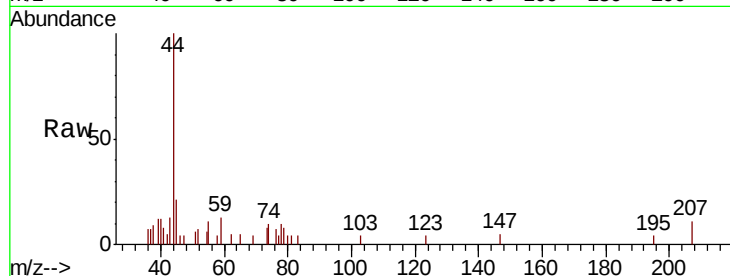
38BR-20200629

Tot Ion: 74 Resp: 358

Ion Ratio Lower Upper

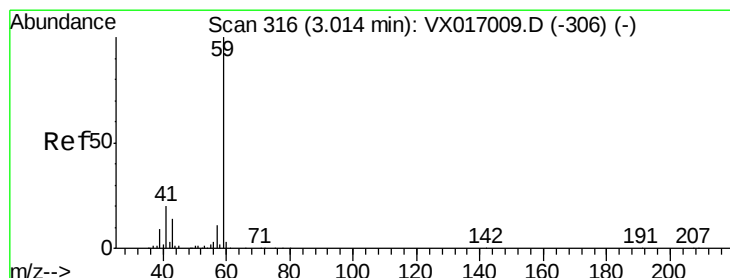
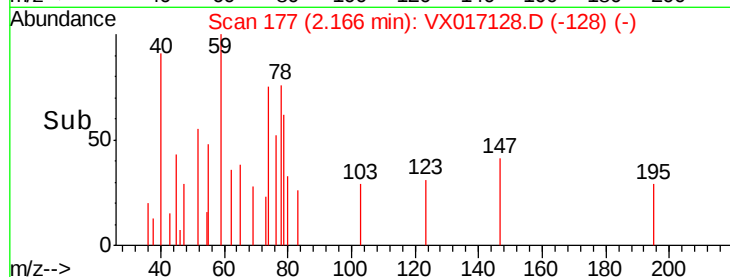
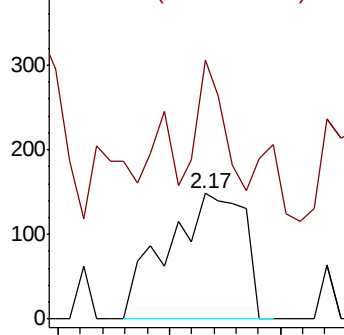
74 100

45 46.6 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: 1.926 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX017128.D

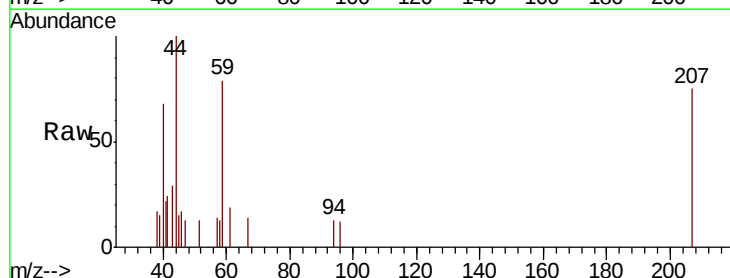
Acq: 02 Jul 2020 03:23

Tgt Ion: 59 Resp: 945

Ion Ratio Lower Upper

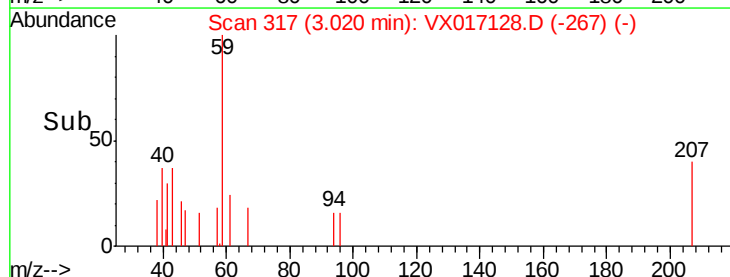
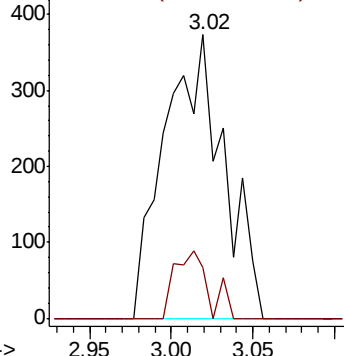
59 100

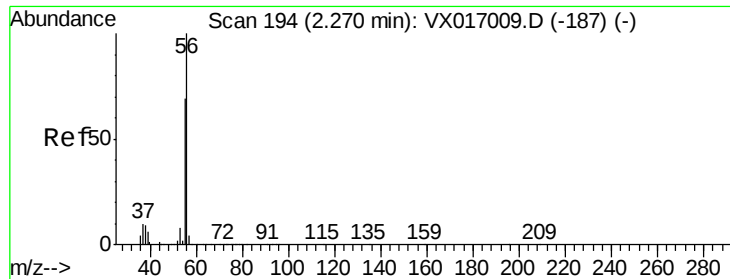
57 13.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.743 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

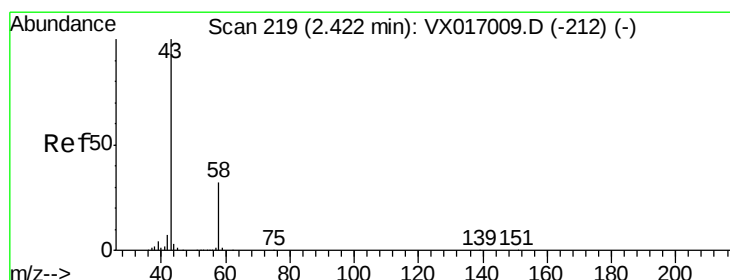
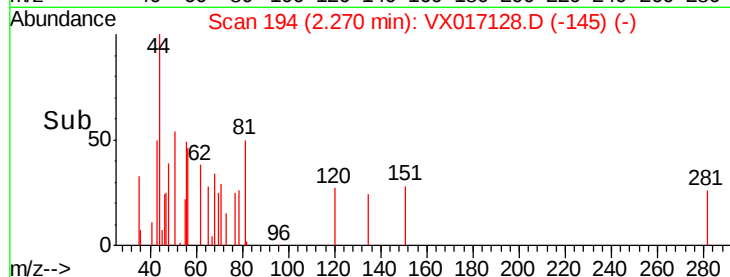
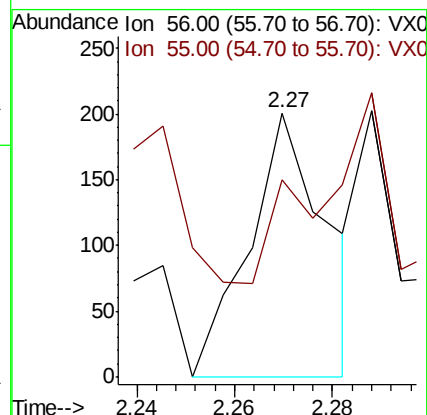
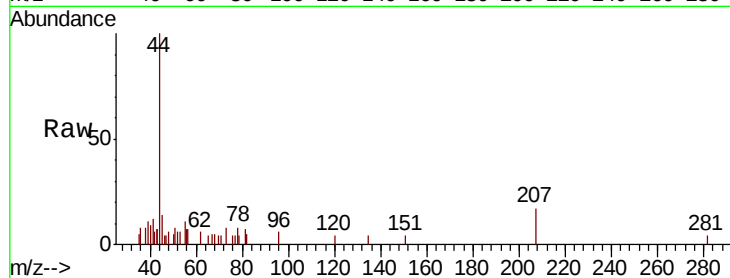
38BR-20200629

Tot Ion: 56 Resp: 218

Ion Ratio Lower Upper

56 100

55 163.8 55.7 83.5#



#16

Acetone

Concen: 1.802 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017128.D

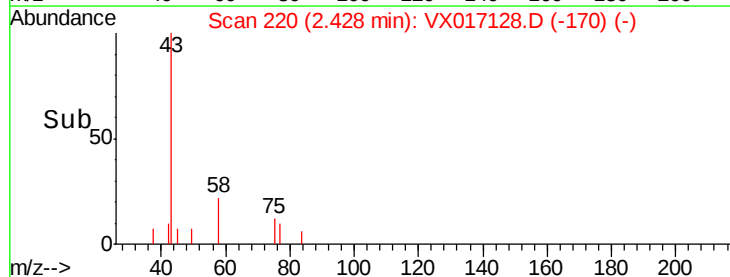
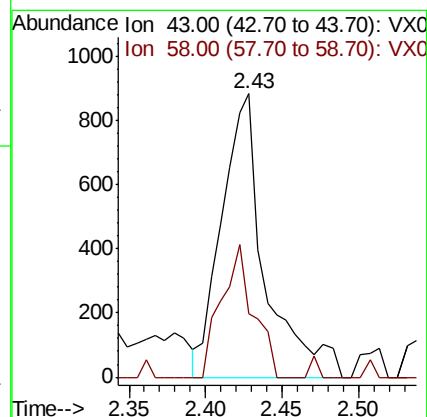
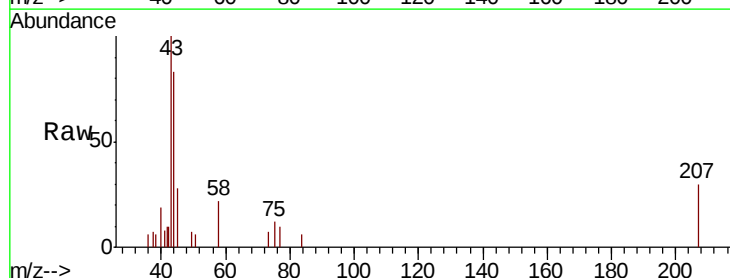
Acq: 02 Jul 2020 03:23

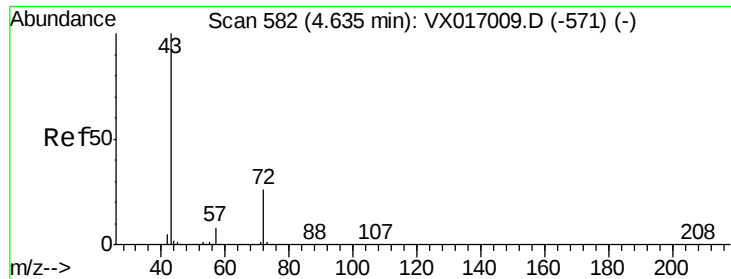
Tgt Ion: 43 Resp: 1734

Ion Ratio Lower Upper

43 100

58 22.4 25.7 38.5#





#25

2-Butanone

Concen: 0.544 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

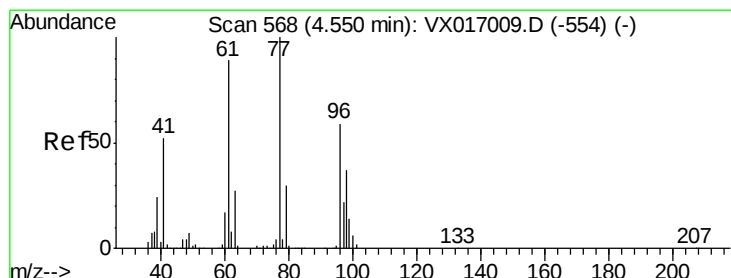
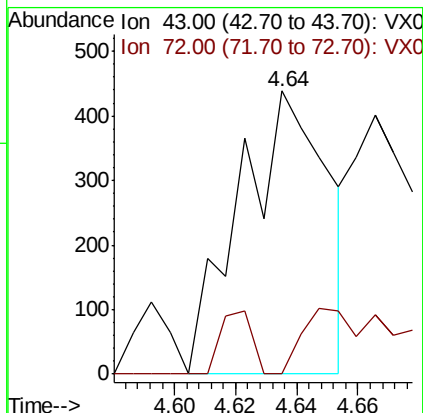
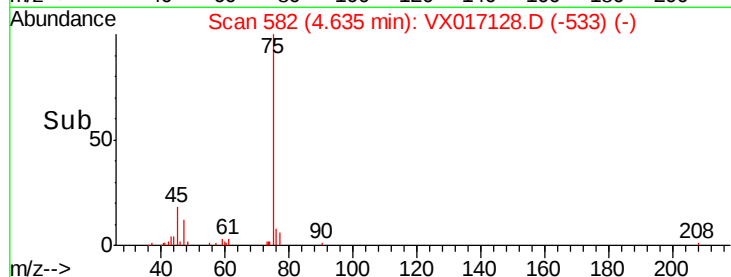
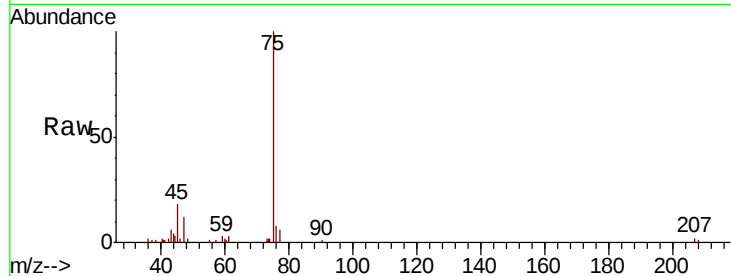
38BR-20200629

Tot Ion: 43 Resp: 872

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



#26

2,2-Dichloropropane

Concen: 0.242 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX017128.D

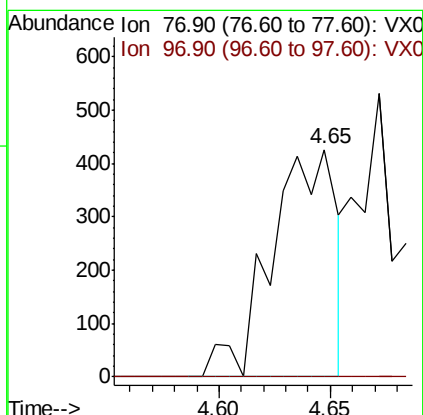
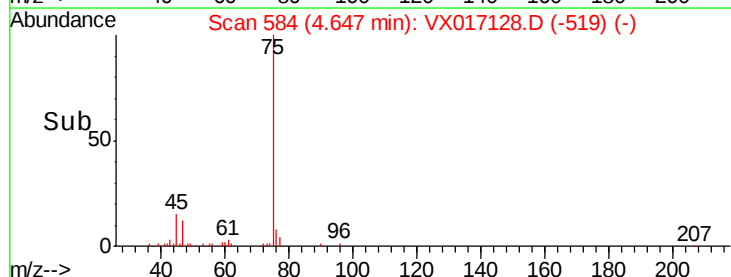
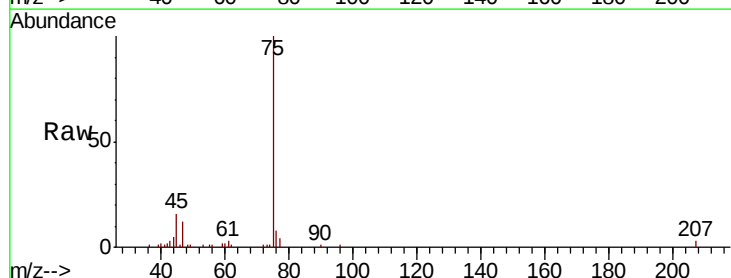
Acq: 02 Jul 2020 03:23

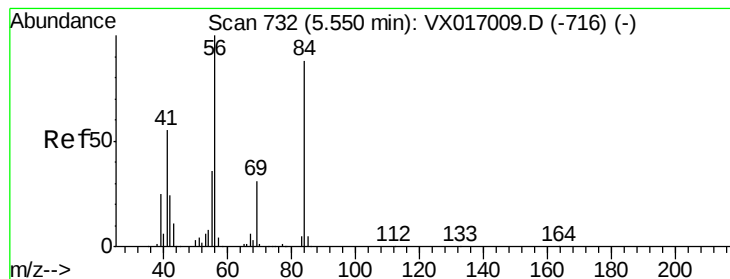
Tgt Ion: 77 Resp: 864

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.204 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

38BR-20200629

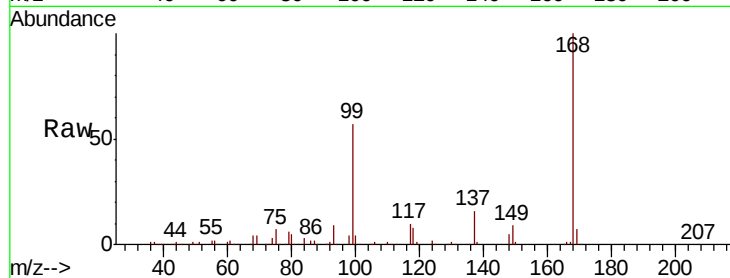
Tot Ion: 56 Resp: 4181

Ion Ratio Lower Upper

56 100

69 170.5 25.0 37.4#

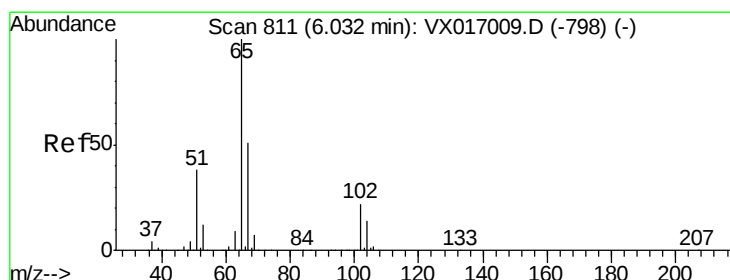
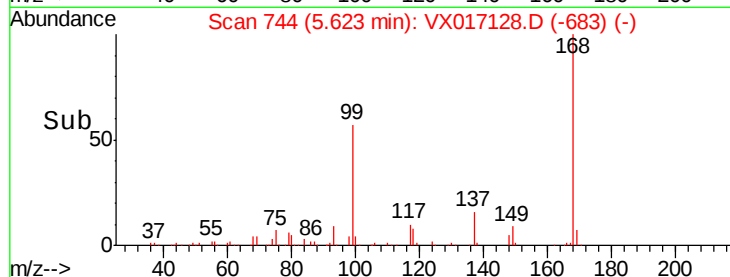
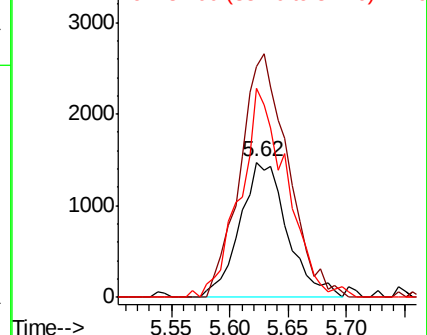
84 150.1 69.1 103.7#



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: 53.403 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017128.D

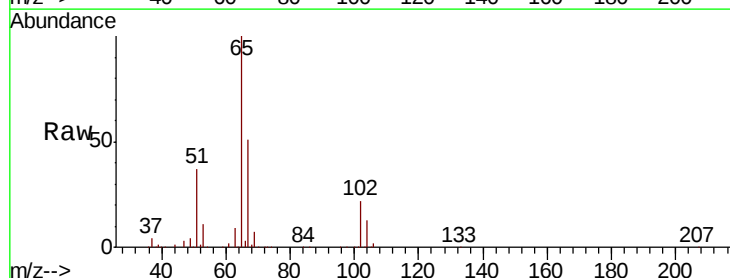
Acq: 02 Jul 2020 03:23

Tgt Ion: 65 Resp: 137346

Ion Ratio Lower Upper

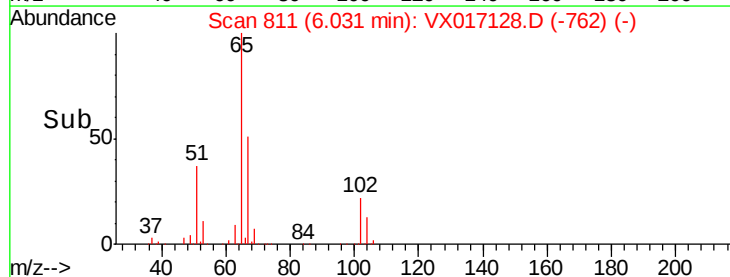
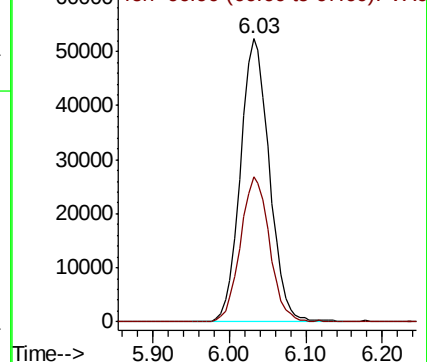
65 100

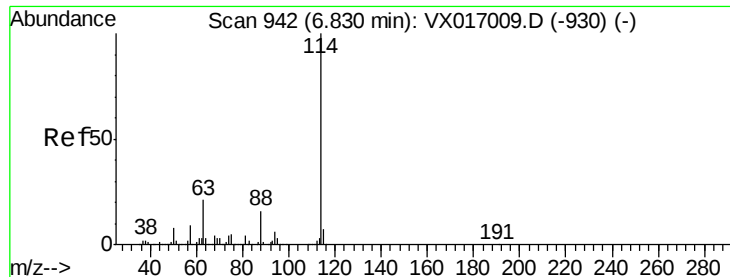
67 51.5 0.0 103.8



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: VX017128.D

Acq: 02 Jul 2020 03:23

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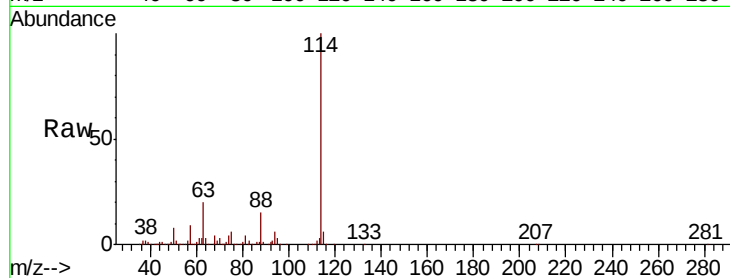
Tot Ion:114 Resp: 350934

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

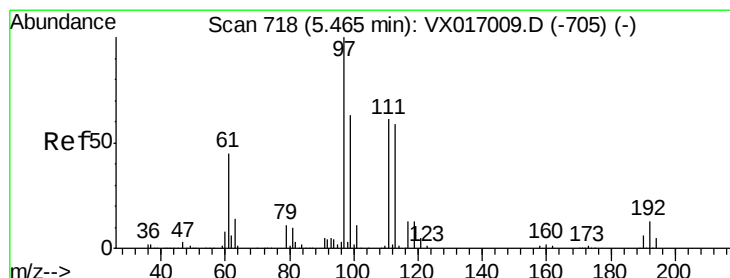
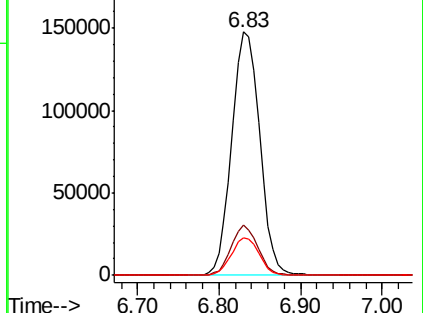
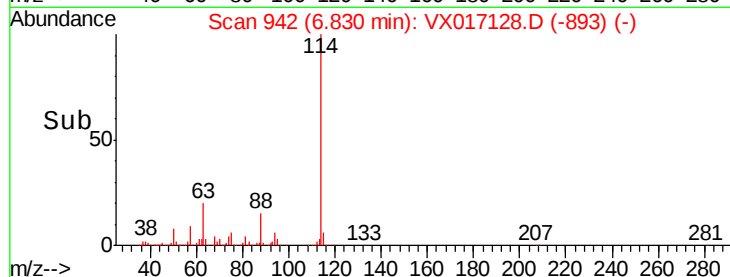
88 15.5 0.0 32.4



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: 52.334 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

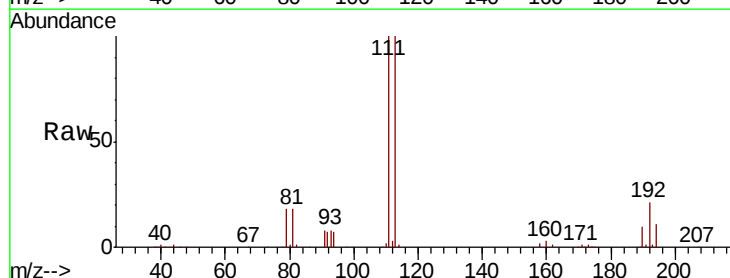
Tgt Ion:113 Resp: 116176

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

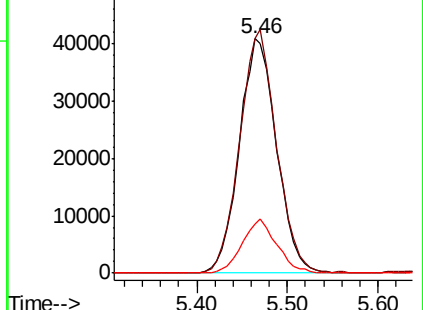
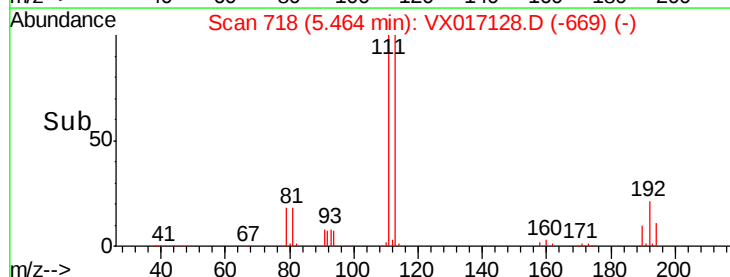
192 21.4 16.7 25.1

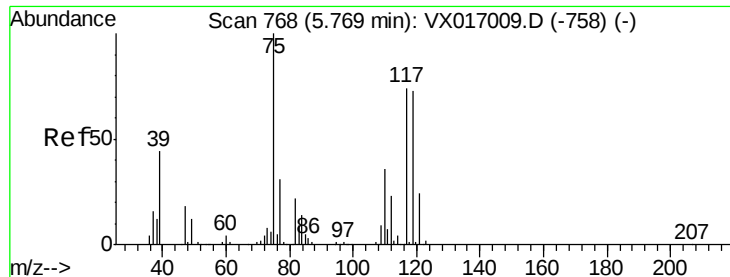


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.750 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

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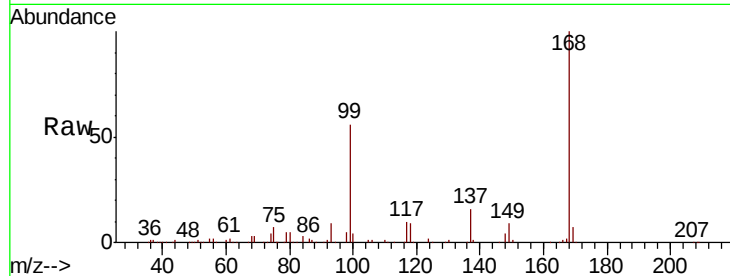
Tot Ion: 75 Resp: 15756

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

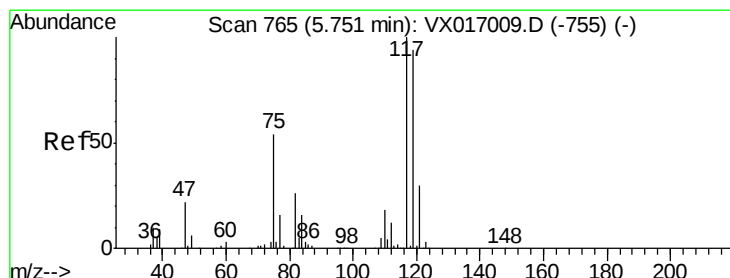
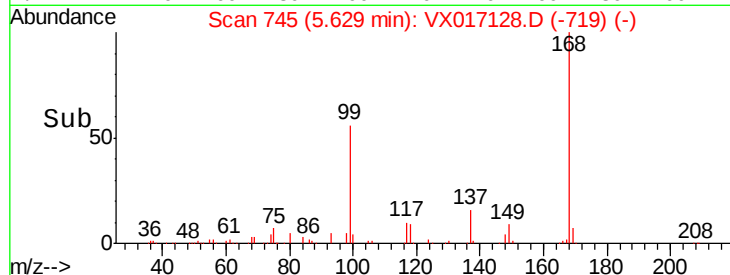
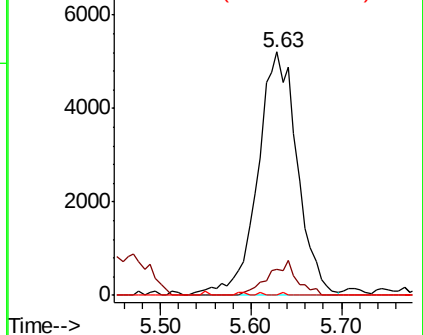
77 0.2 24.6 37.0#



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: 5.565 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

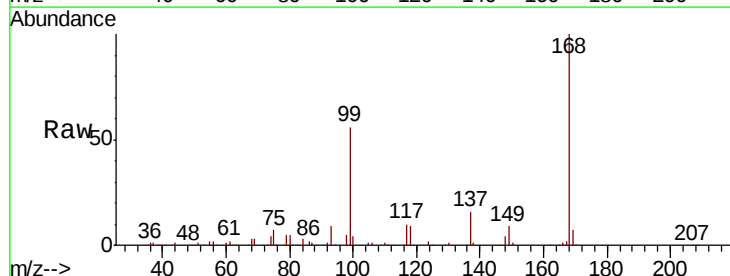
Tgt Ion:117 Resp: 20330

Ion Ratio Lower Upper

117 100

119 4.2 75.4 113.0#

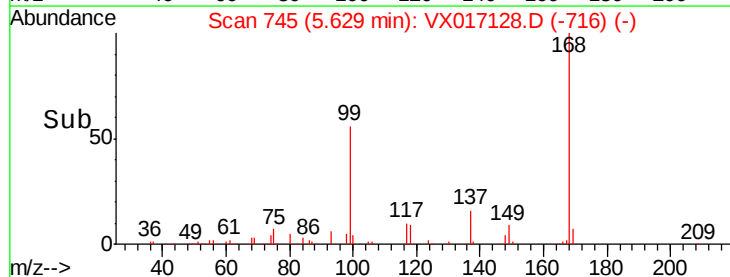
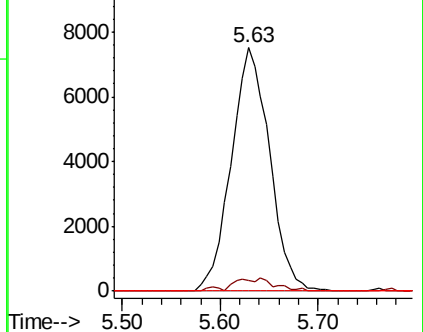
121 0.0 23.8 35.6#

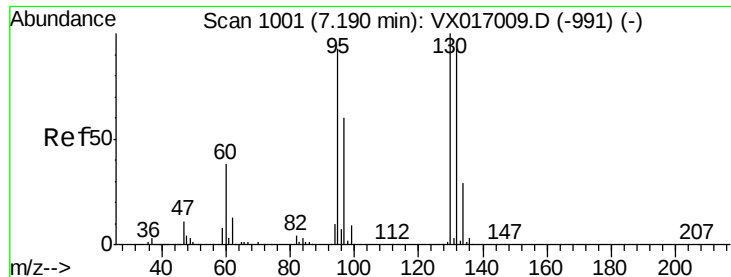


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

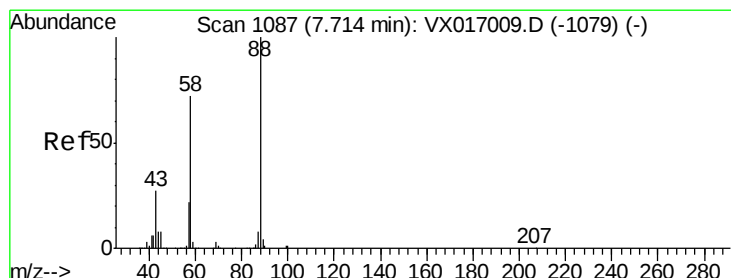
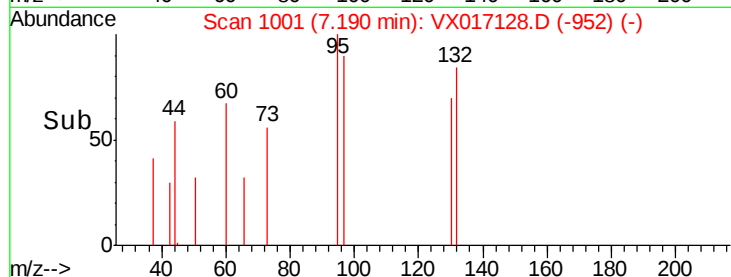
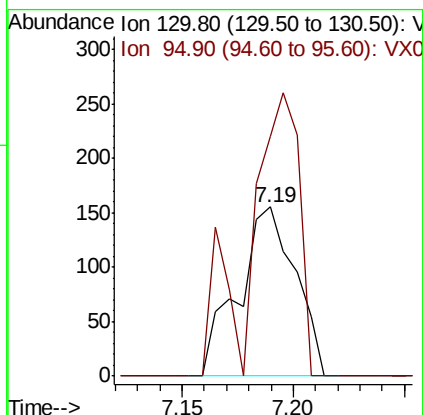
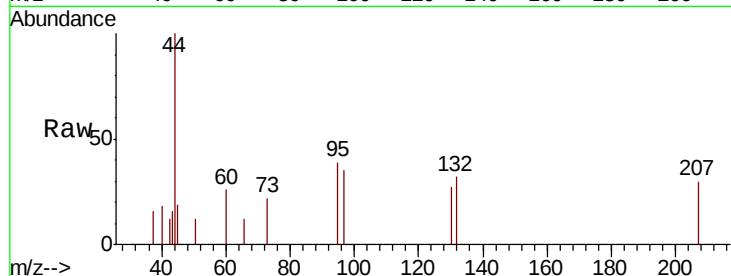




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017128.D
 Acq: 02 Jul 2020 03:23

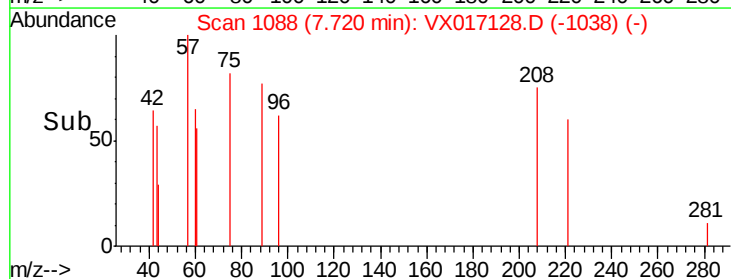
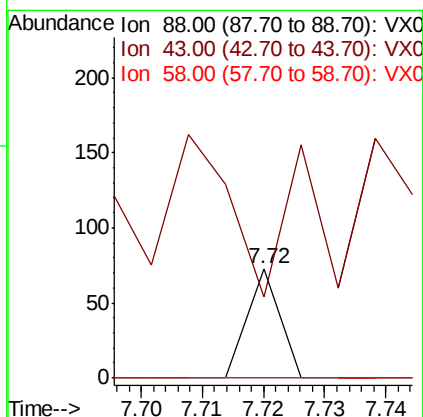
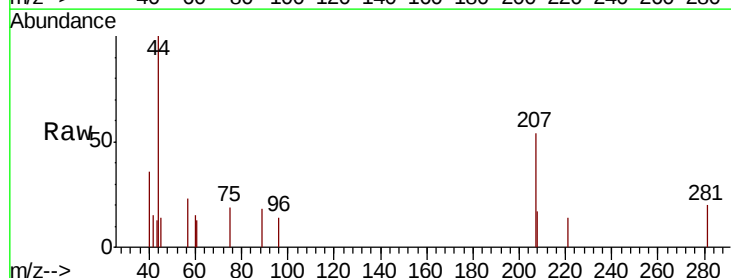
Instrument :
 MSVOA_X
 ClientSampleId :
 38BR-20200629

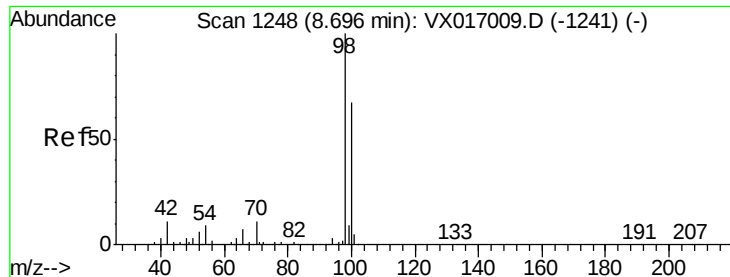
Tot Ion:130 Resp: 277
 Ion Ratio Lower Upper
 130 100
 95 141.9 0.0 185.0



#49
 1,4-Dioxane
 Concen: 0.449 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX017128.D
 Acq: 02 Jul 2020 03:23

Tgt Ion: 88 Resp: 27
 Ion Ratio Lower Upper
 88 100
 43 248.1 25.8 38.8#
 58 0.0 54.8 82.2#





#50

Toluene-d8

Concen: 51.817 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

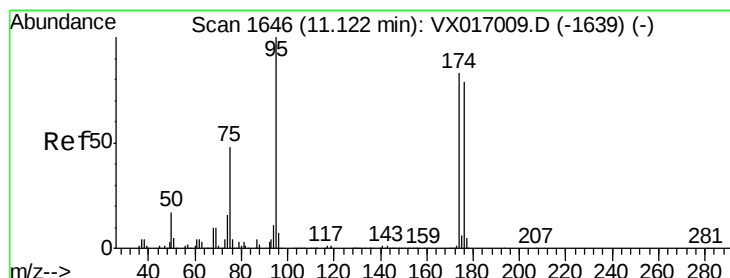
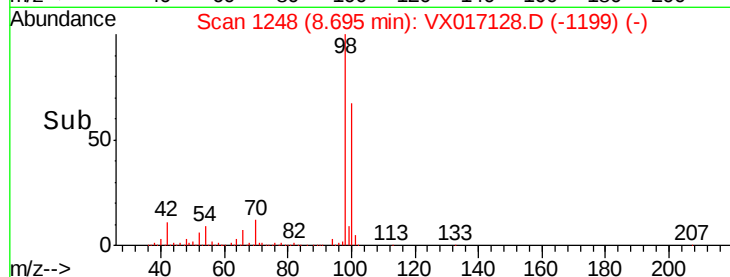
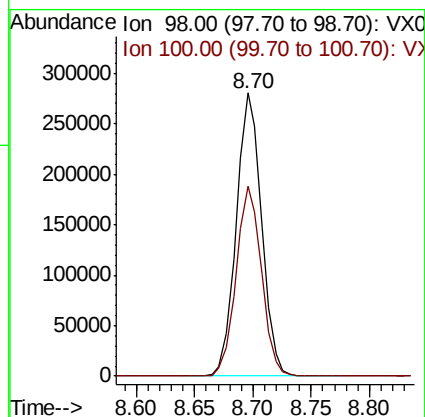
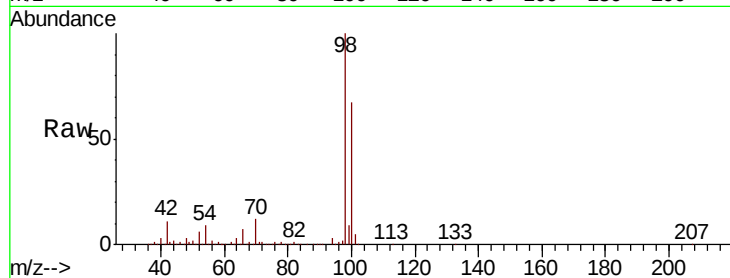
38BR-20200629

Tot Ion: 98 Resp: 425349

Ion Ratio Lower Upper

98 100

100 67.1 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 56.846 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

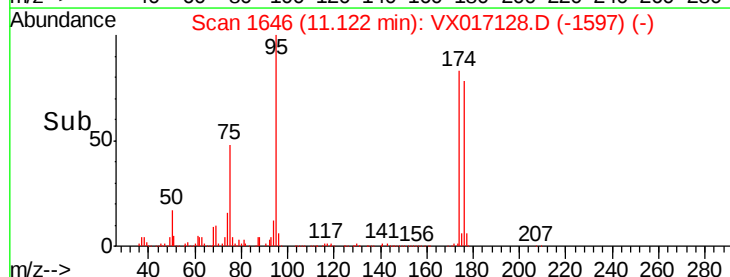
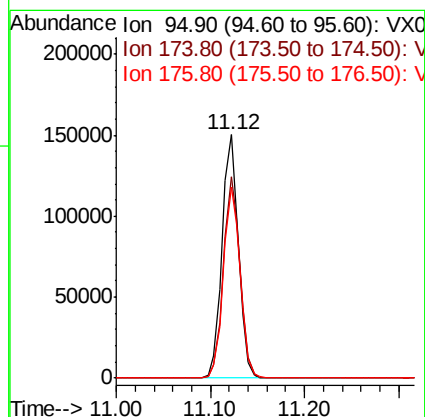
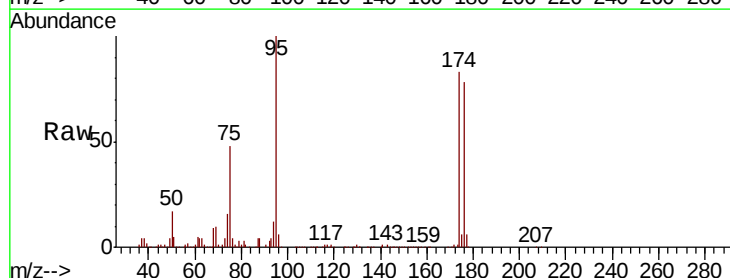
Tgt Ion: 95 Resp: 182413

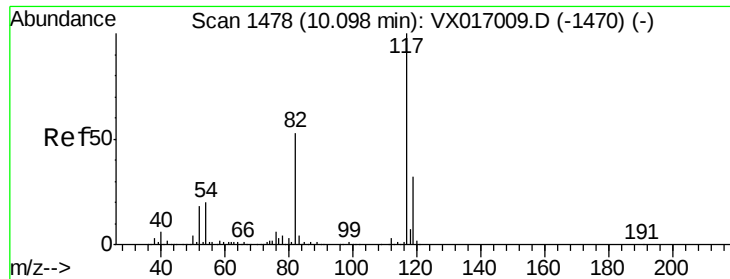
Ion Ratio Lower Upper

95 100

174 83.1 0.0 164.0

176 79.8 0.0 157.6

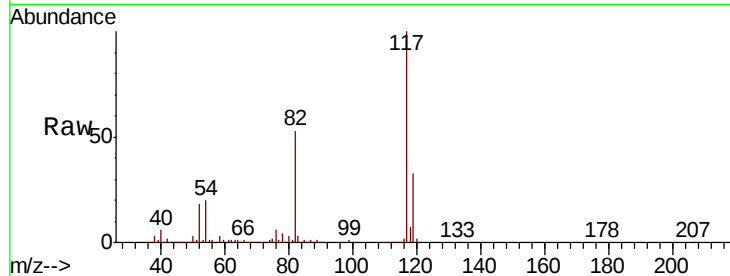




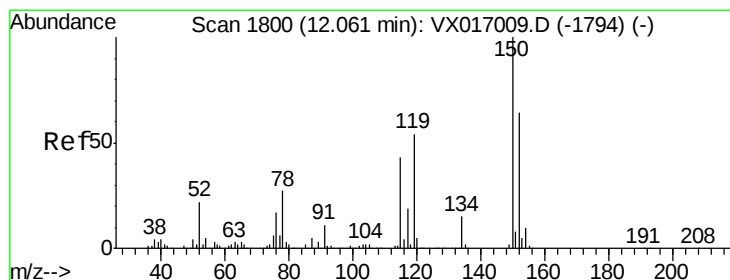
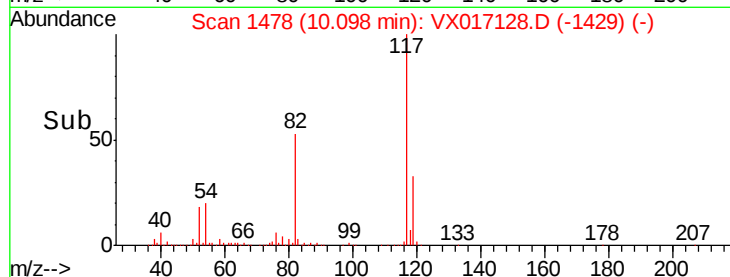
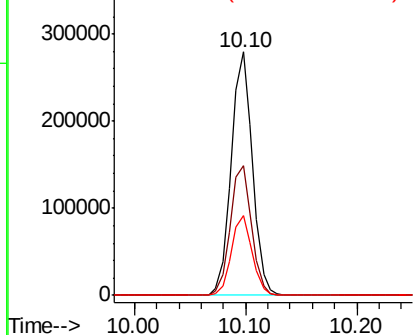
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017128.D
Acq: 02 Jul 2020 03:23

Instrument :
MSVOA_X
ClientSampleId :
38BR-20200629

Tot Ion:117 Resp: 367309
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 32.5 25.4 38.2

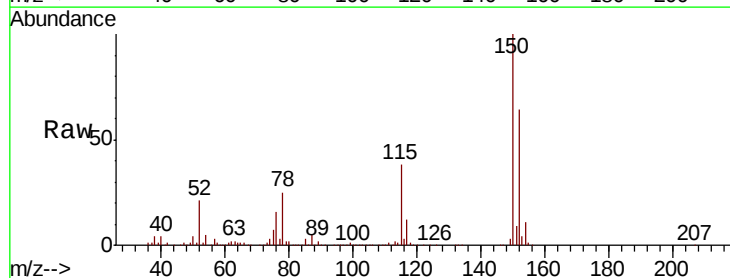


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

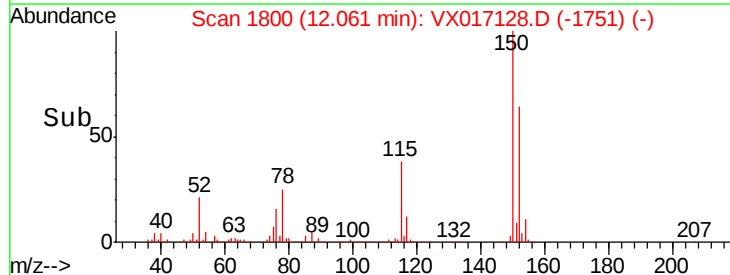
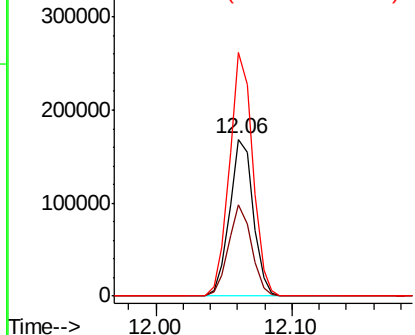


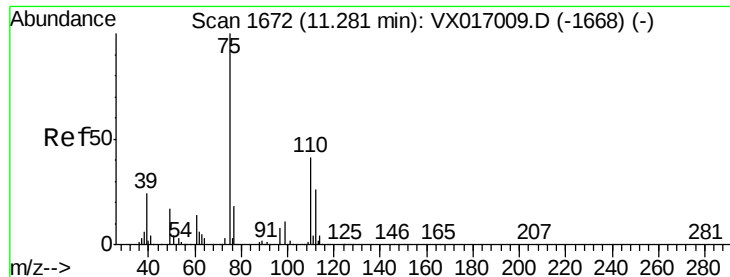
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017128.D
Acq: 02 Jul 2020 03:23

Tgt Ion:152 Resp: 203519
Ion Ratio Lower Upper
152 100
115 56.7 40.9 122.7
150 153.1 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: 22.566 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

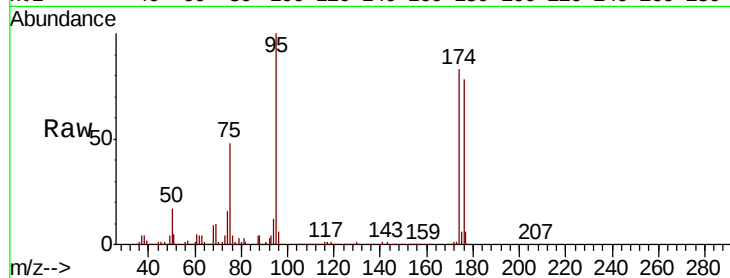
38BR-20200629

Tot Ion: 75 Resp: 90311

Ion Ratio Lower Upper

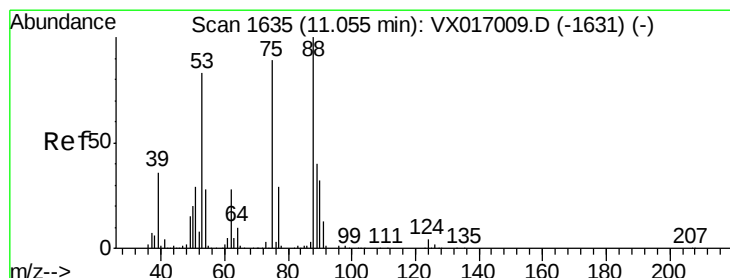
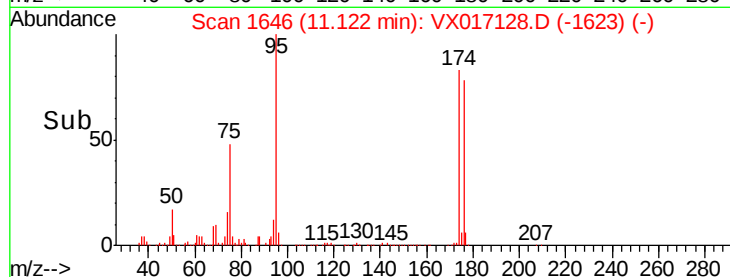
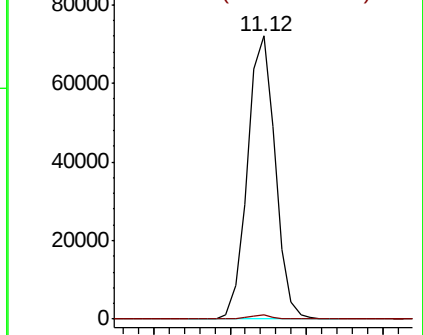
75 100

77 1.2 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: 58.438 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

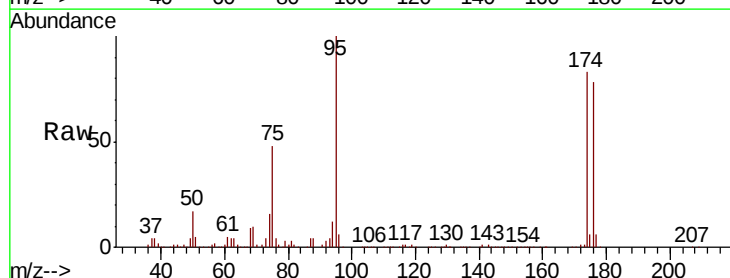
Tgt Ion: 75 Resp: 90311

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

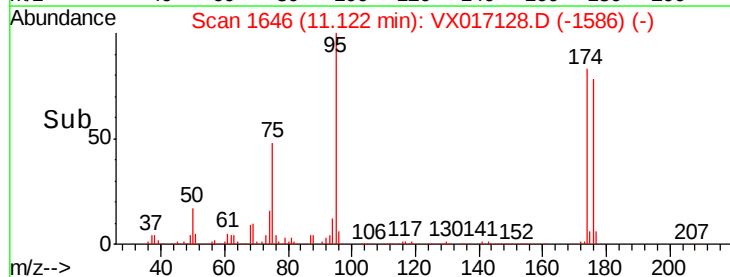
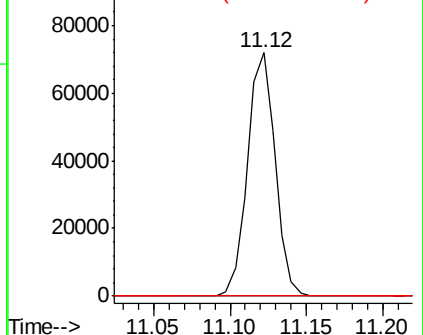
89 0.0 37.0 55.4#

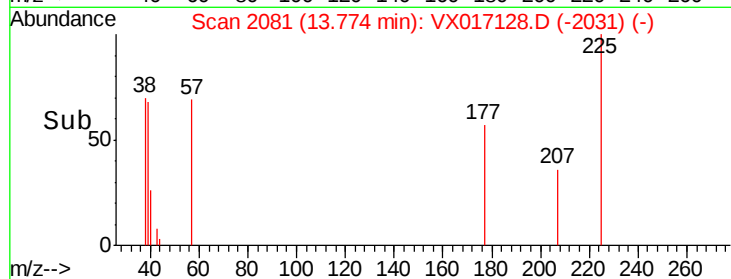
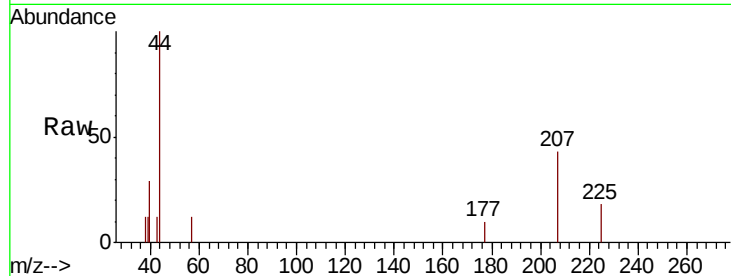
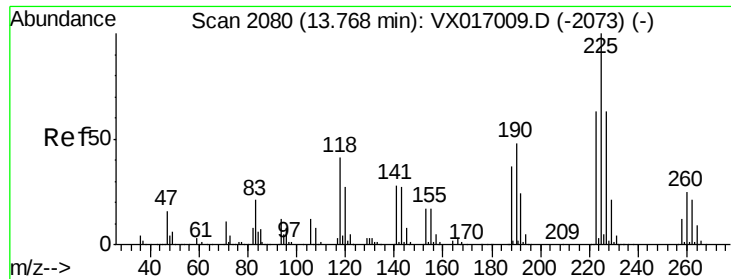


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.879 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX017128.D

Acq: 02 Jul 2020 03:23

Instrument :

MSVOA_X

ClientSampleId :

38BR-20200629

Tot Ion:225 Resp: 57

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 138.6 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

