

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017110.D
 Acq On : 01 Jul 2020 19:48
 Operator : JC/SP
 Sample : L3159-03 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 63BR-20200629

Quant Time: Jul 02 01:39:37 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	5.64	168	228933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	383489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207633	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	147581	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
35) Dibromofluoromethane	5.47	113	127258	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
50) Toluene-d8	8.70	98	465896	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.12	95	193594	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	

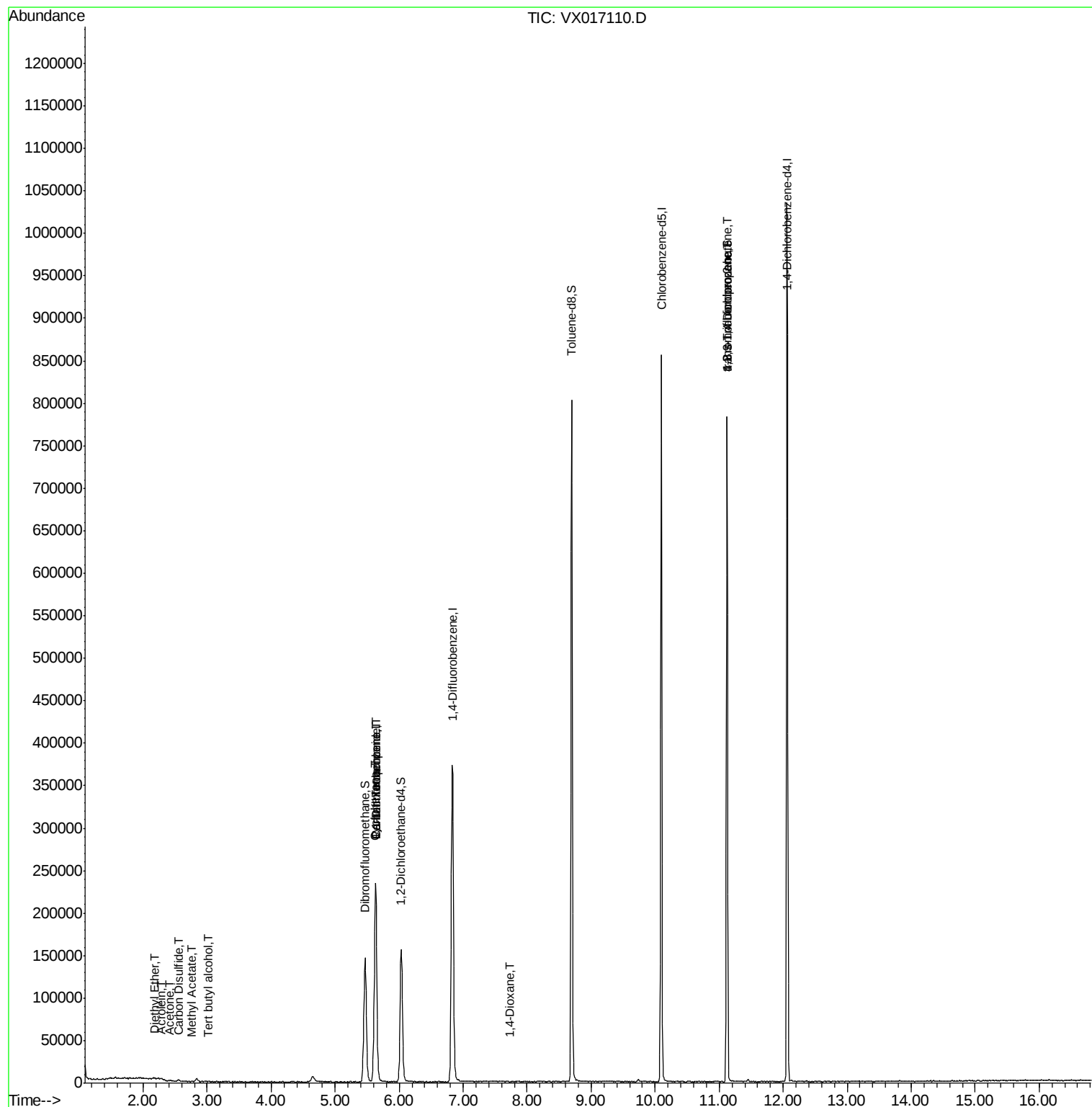
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	419	0.701	ug/l	63
11) Tert butyl alcohol	3.02	59	359	0.667	ug/l #	73
13) Acrolein	2.28	56	143	0.444	ug/l	93
16) Acetone	2.42	43	1540	1.459	ug/l	97
17) Carbon Disulfide	2.56	76	1430	0.249	ug/l #	56
18) Methyl Acetate	2.75	43	617	0.224	ug/l #	51
31) Cyclohexane	5.62	56	4694	1.232	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	16509	4.555	ug/l #	51
38) Carbon Tetrachloride	5.64	117	21797	5.460	ug/l #	19
44) Trichloroethene	7.20	130	91	Below Cal		23
49) 1,4-Dioxane	7.73	88	26	0.395	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	95547	23.401	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	95547	60.601	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	402	Below Cal	#	1

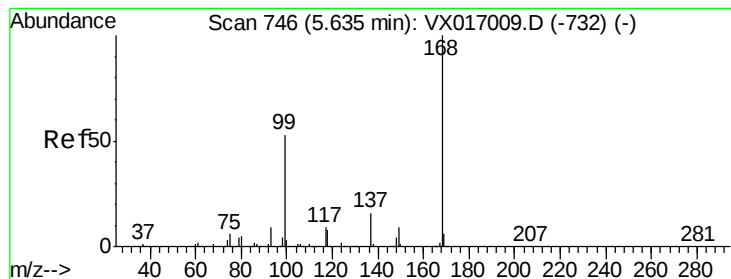
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 01:39:37 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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

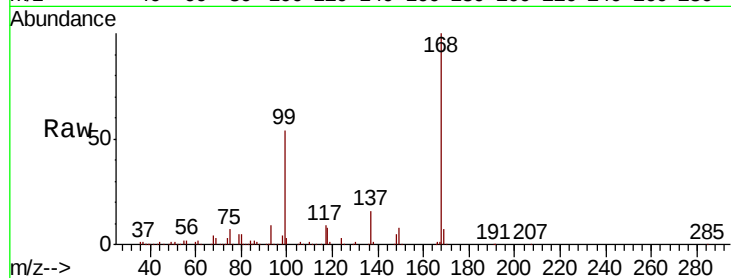
63BR-20200629

Tot Ion:168 Resp: 228933

Ion Ratio Lower Upper

168 100

99 53.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

40000

20000

0

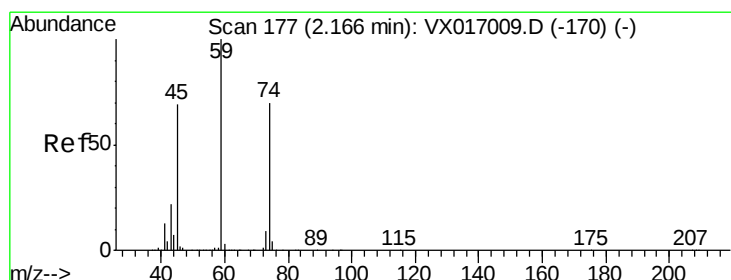
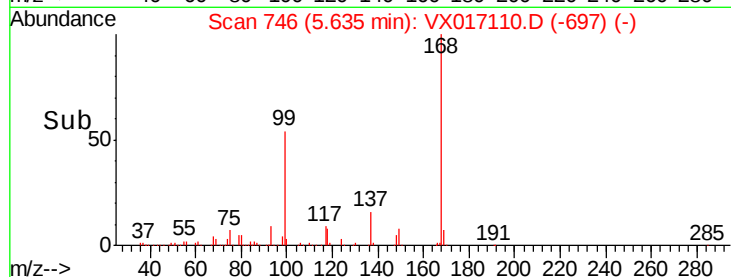
5.50

5.60

5.70

5.80

Time-->



#8

Diethyl Ether

Concen: 0.701 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017110.D

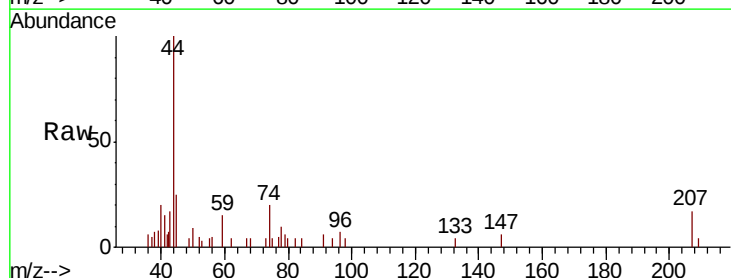
Acq: 01 Jul 2020 19:48

Tgt Ion: 74 Resp: 419

Ion Ratio Lower Upper

74 100

45 62.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

500

400

300

200

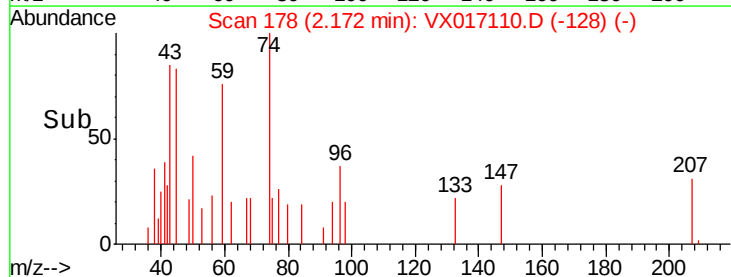
100

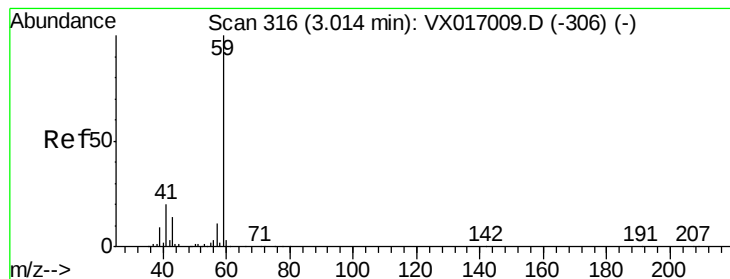
0

2.15

2.20

Time-->



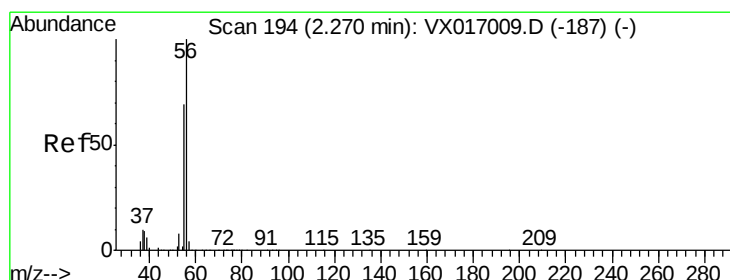
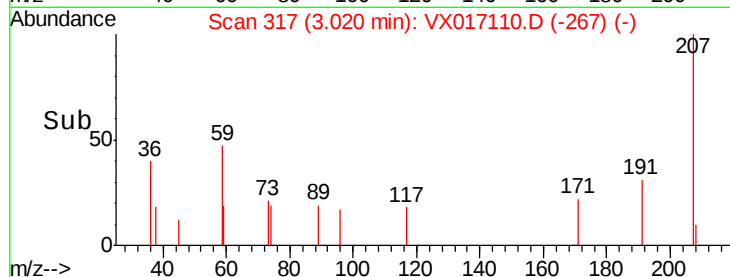
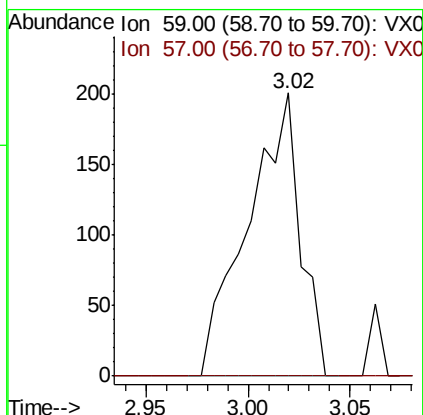
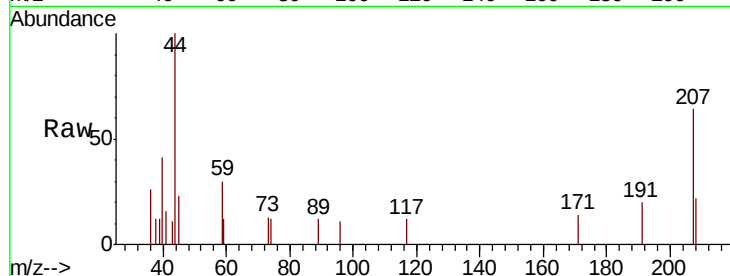


#11

Tert butyl alcohol
Concen: 0.667 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
63BR-20200629

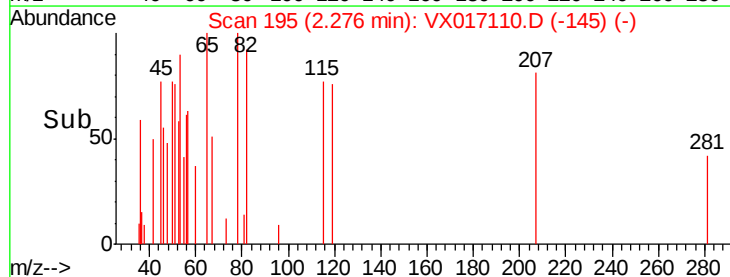
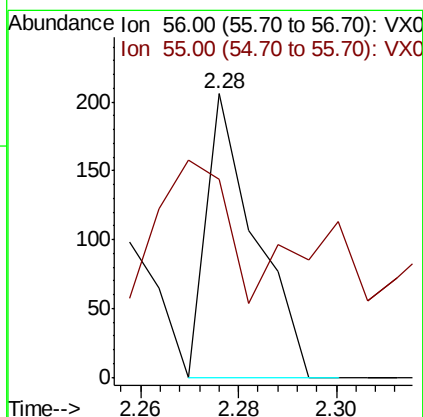
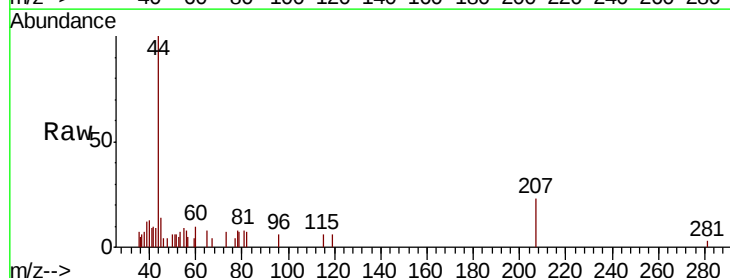
Tot Ion: 59 Resp: 359
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

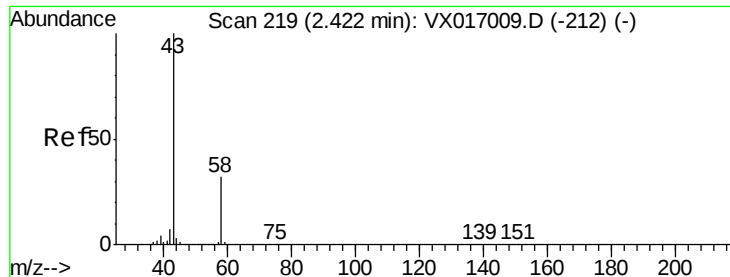


#13

Acrolein
Concen: 0.444 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 75.5 55.7 83.5





#16

Acetone

Concen: 1.459 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

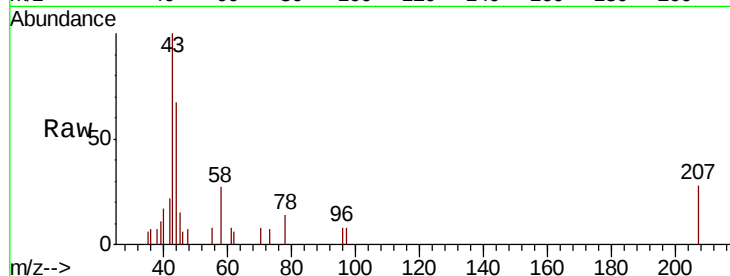
63BR-20200629

Tot Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

58 30.5 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

800

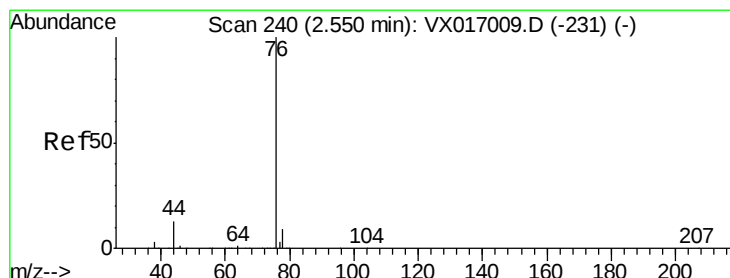
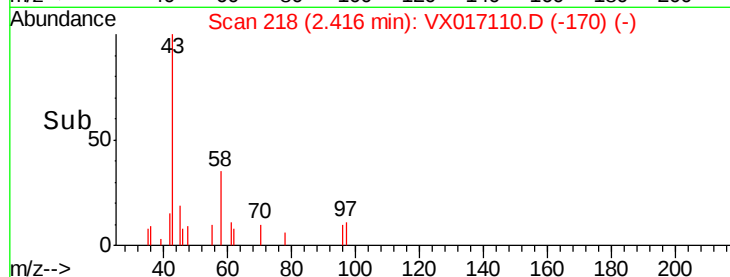
600

400

200

0

Time--> 2.35 2.40 2.45



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017110.D

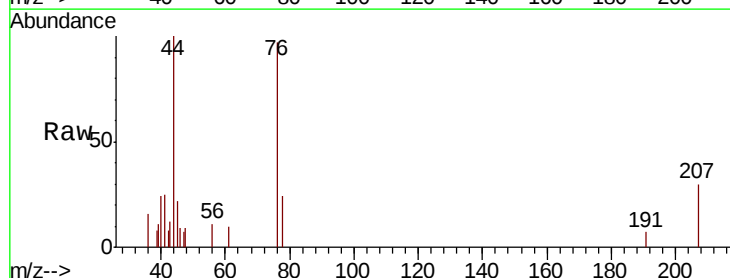
Acq: 01 Jul 2020 19:48

Tgt Ion: 76 Resp: 1430

Ion Ratio Lower Upper

76 100

78 25.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

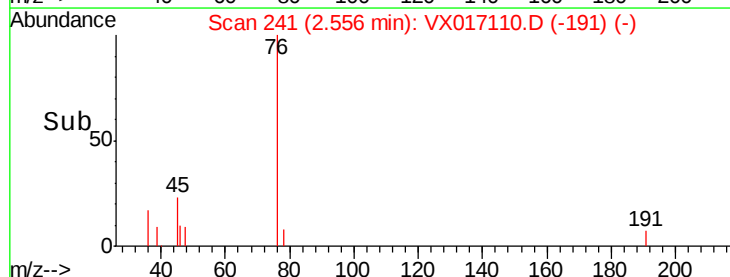
600

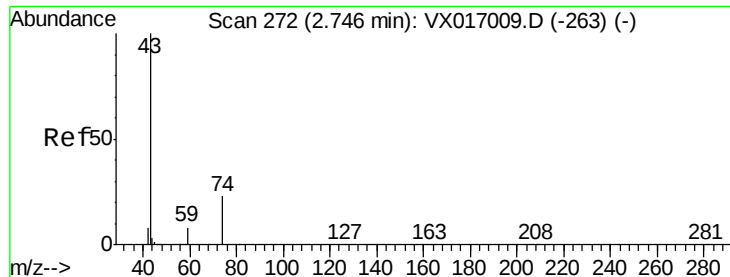
400

200

0

Time--> 2.50 2.55 2.60

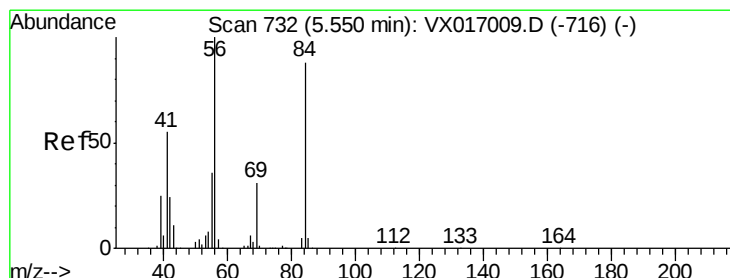
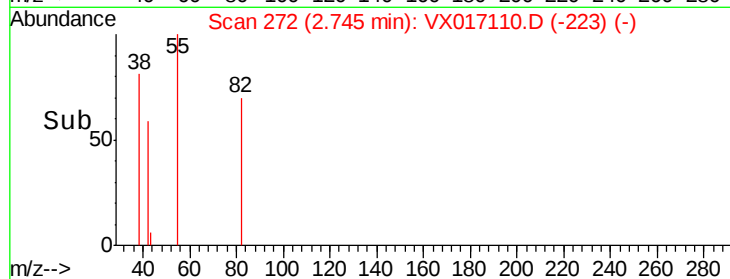
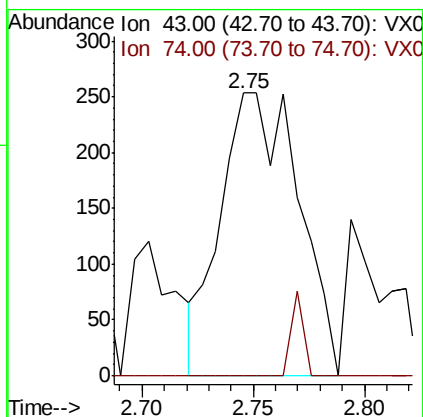
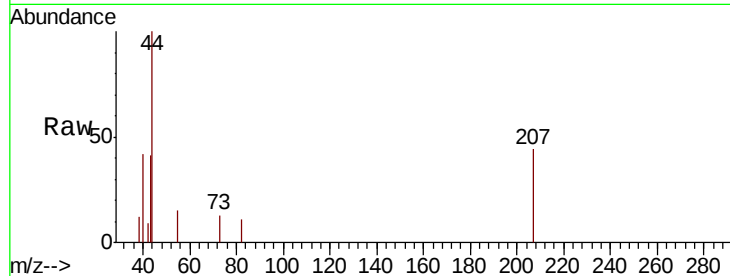




#18
Methvl Acetate
Concen: 0.224 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

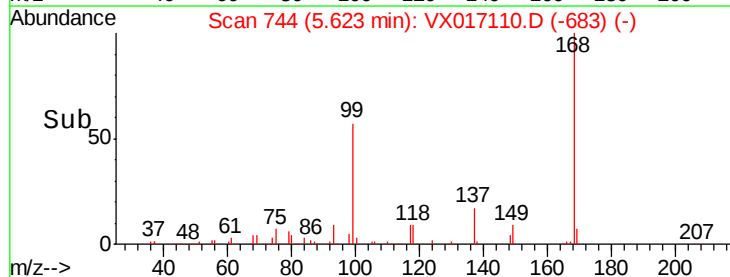
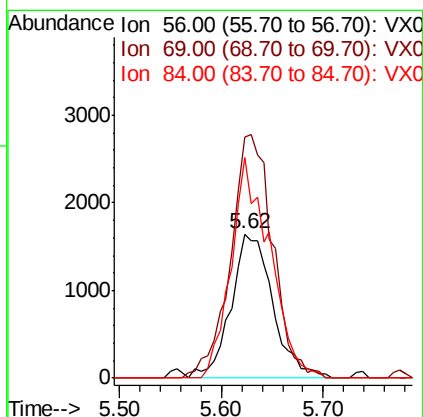
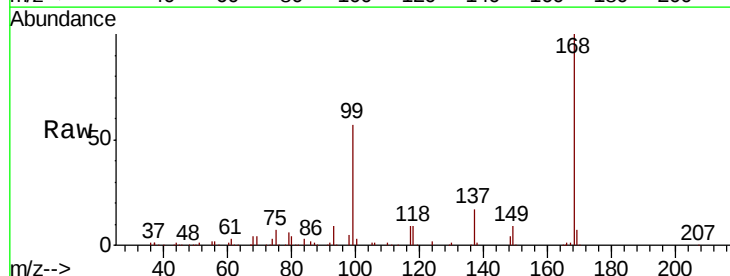
Instrument :
MSVOA_X
ClientSampleId :
63BR-20200629

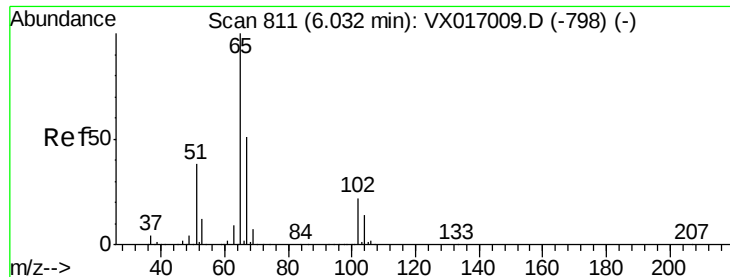
Tot Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

Tgt Ion: 56 Resp: 4694
Ion Ratio Lower Upper
56 100
69 167.1 25.0 37.4#
84 153.1 69.1 103.7#

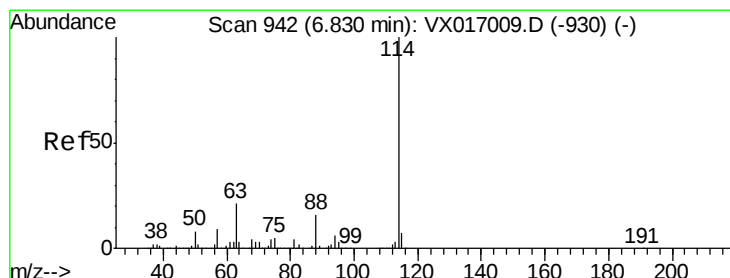
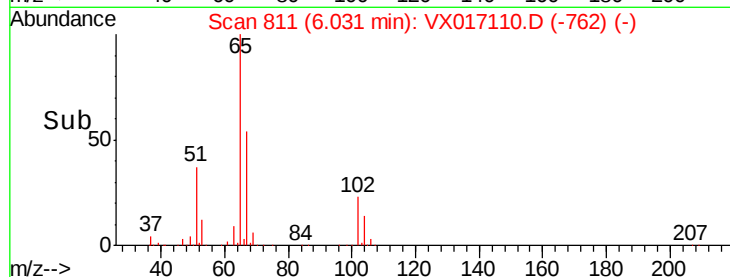
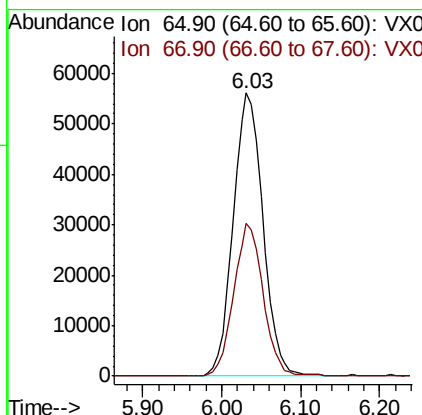
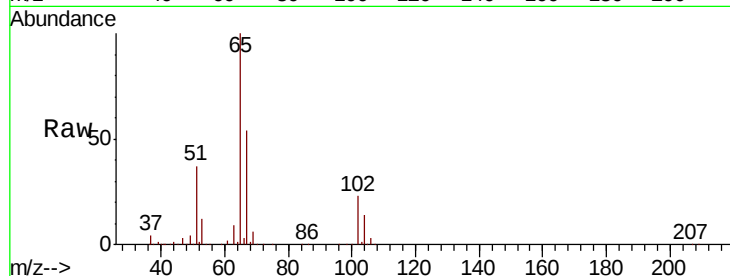




#33
 1,2-Dichloroethane-d4
 Concen: 52.291 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017110.D
 Acq: 01 Jul 2020 19:48

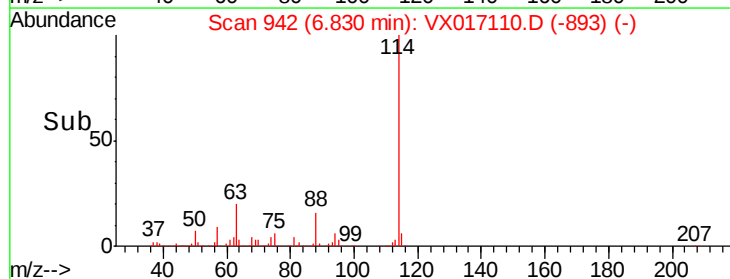
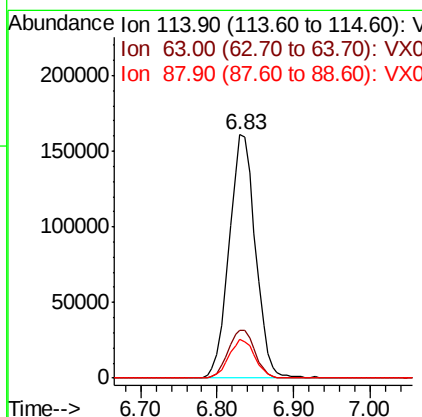
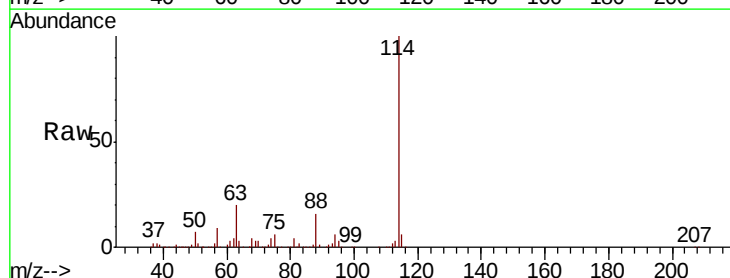
Instrument :
 MSVOA_X
 ClientSampleId :
 63BR-20200629

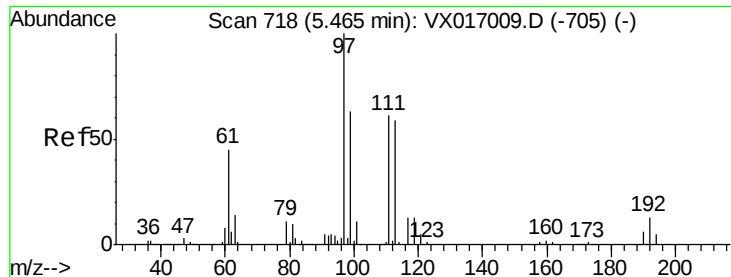
Tot Ion: 65 Resp: 147581
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017110.D
 Acq: 01 Jul 2020 19:48

Tgt Ion: 114 Resp: 383489
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.9 0.0 32.4

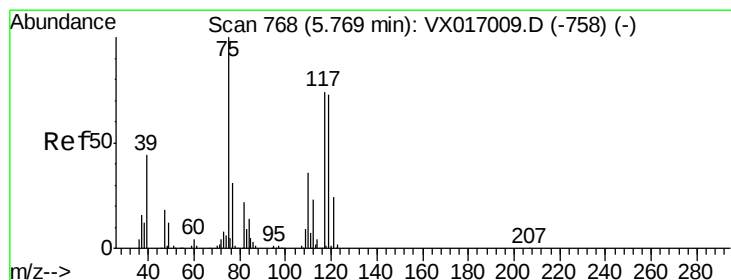
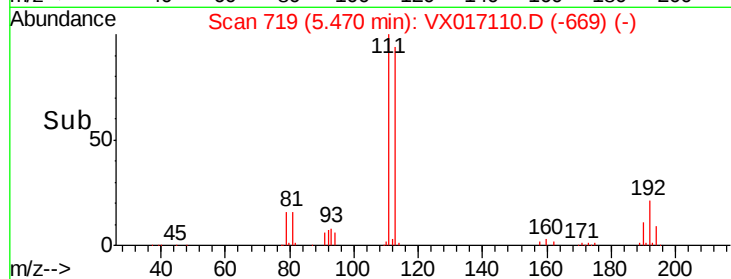
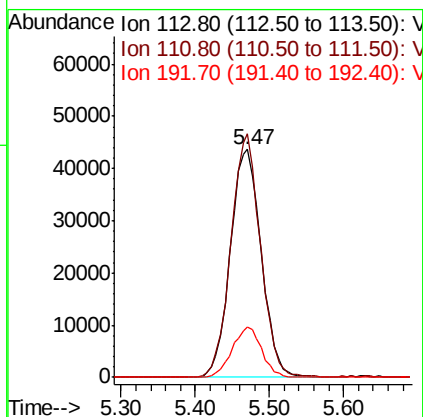
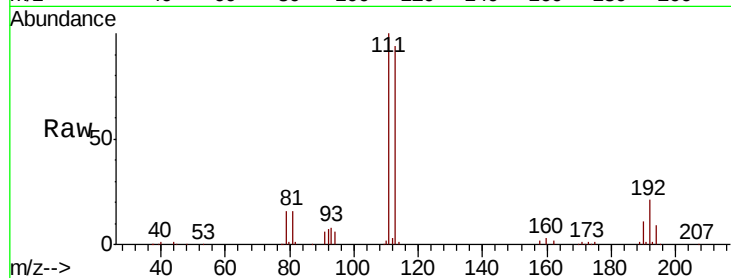




#35
 Dibromofluoromethane
 Concen: 52.459 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017110.D
 Acq: 01 Jul 2020 19:48

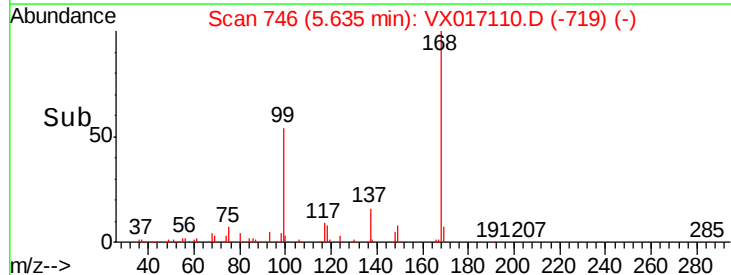
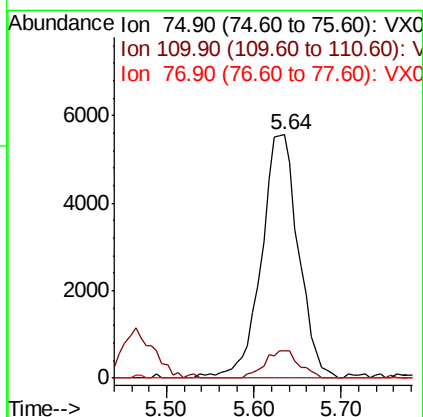
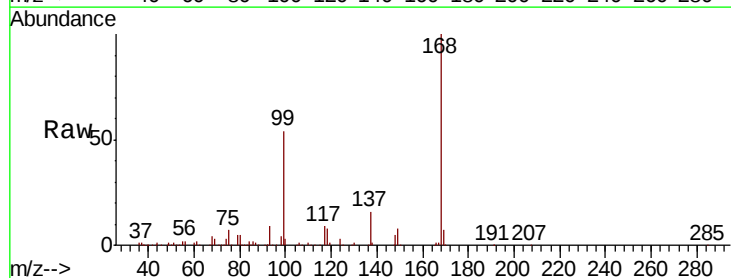
Instrument :
 MSVOA_X
 ClientSampleId :
 63BR-20200629

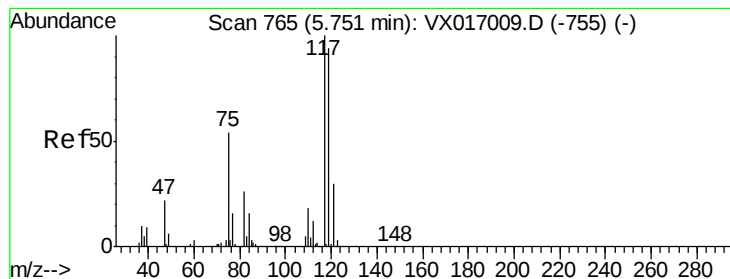
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	21.1	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.555 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017110.D
 Acq: 01 Jul 2020 19:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.460 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

63BR-20200629

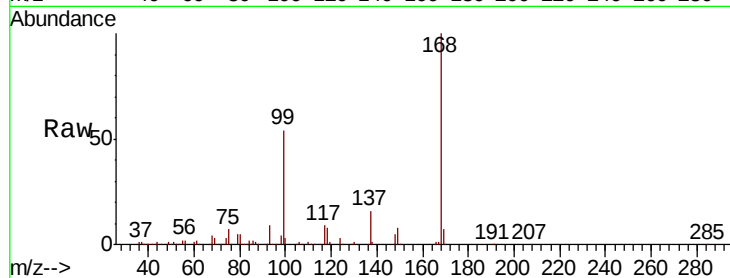
Tot Ion:117 Resp: 21797

Ion Ratio Lower Upper

117 100

119 7.7 75.4 113.0#

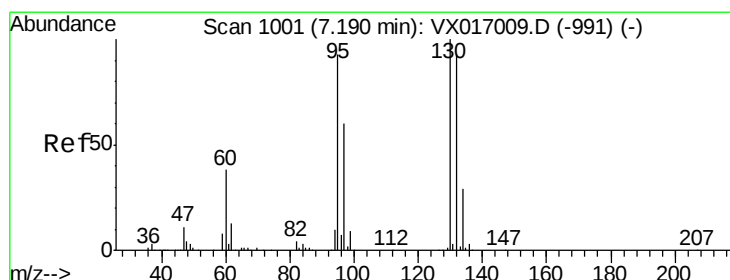
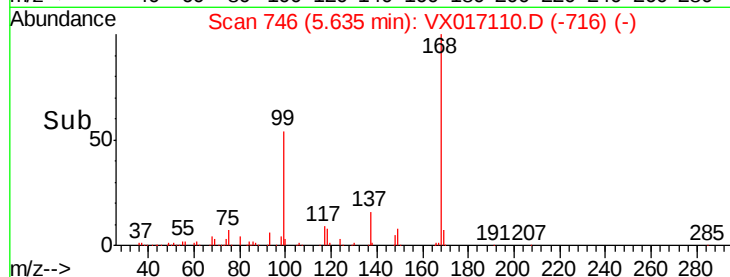
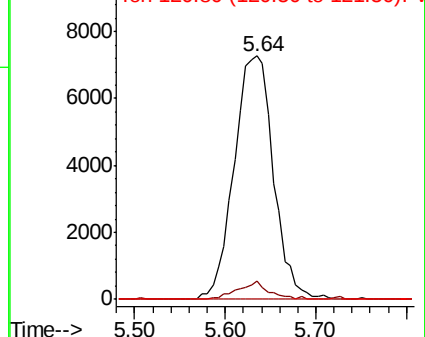
121 0.0 23.8 35.6#



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: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017110.D

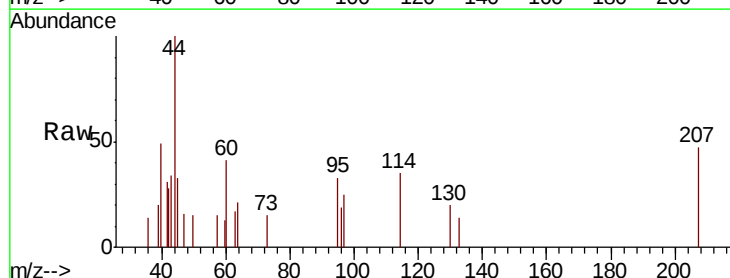
Acq: 01 Jul 2020 19:48

Tgt Ion:130 Resp: 91

Ion Ratio Lower Upper

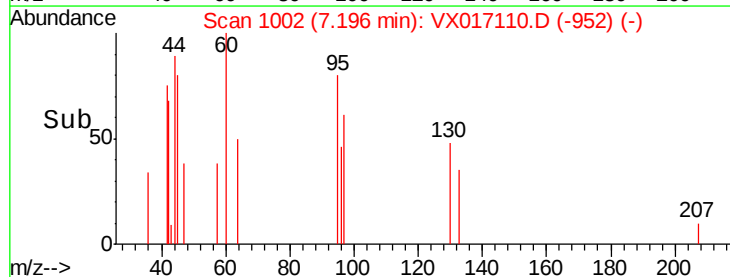
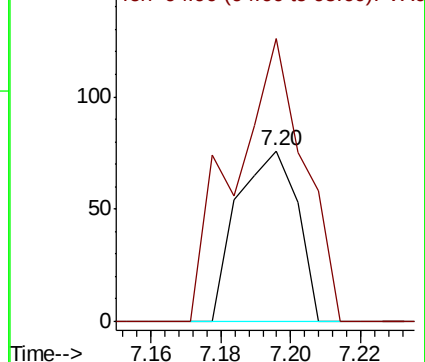
130 100

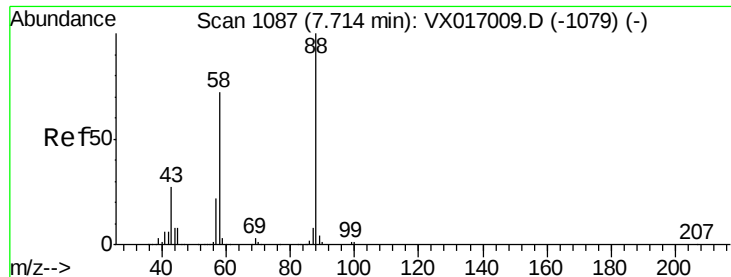
95 165.8 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

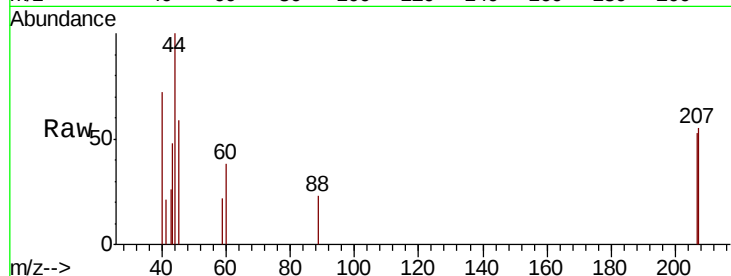




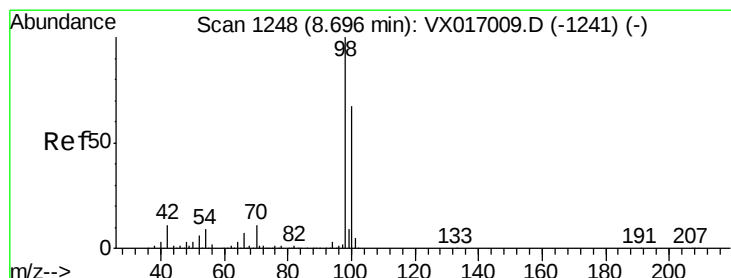
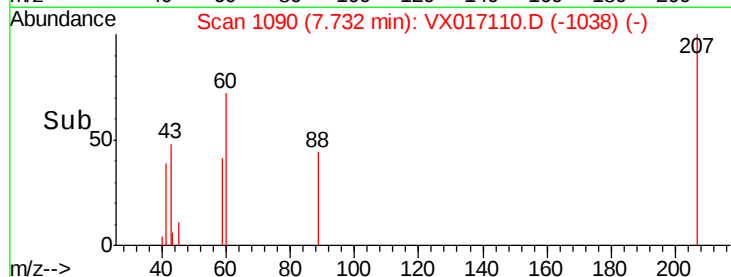
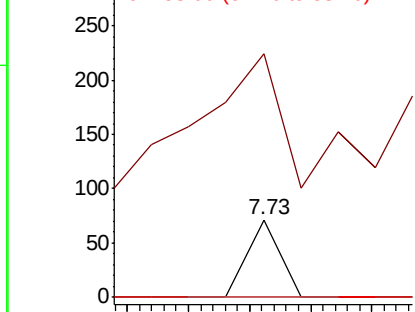
#49
1,4-Dioxane
Concen: 0.395 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
63BR-20200629

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 515.4 25.8 38.8#
58 0.0 54.8 82.2#

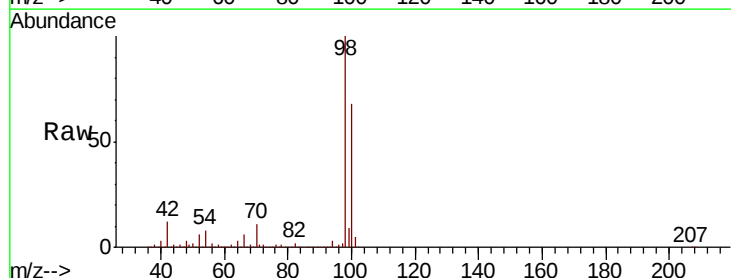


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

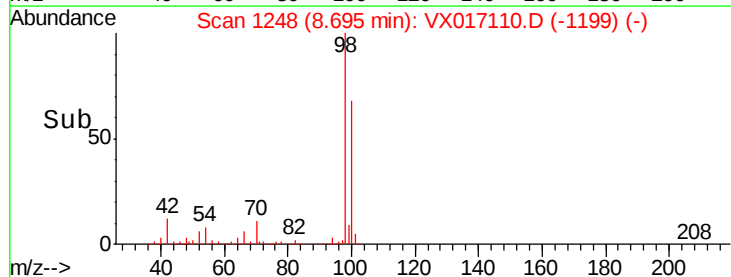
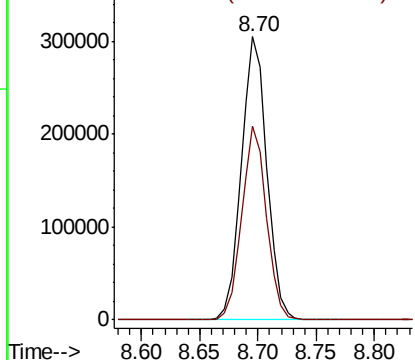


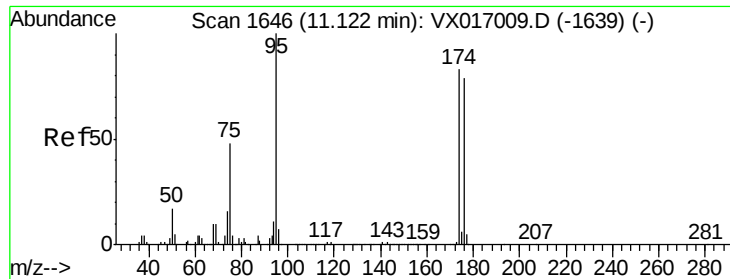
#50
Toluene-d8
Concen: 51.938 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

Tgt Ion: 98 Resp: 465896
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

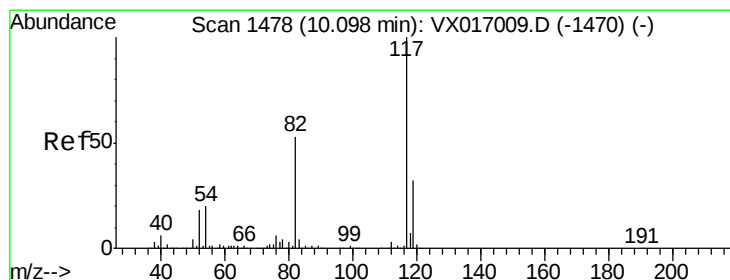
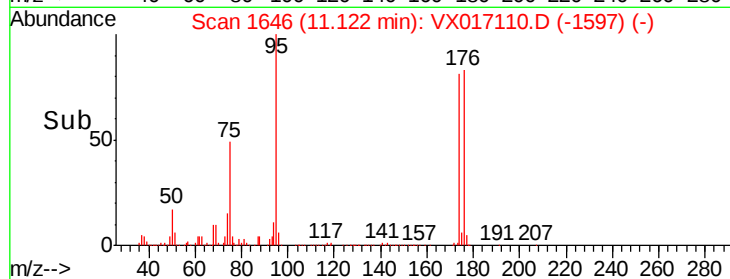
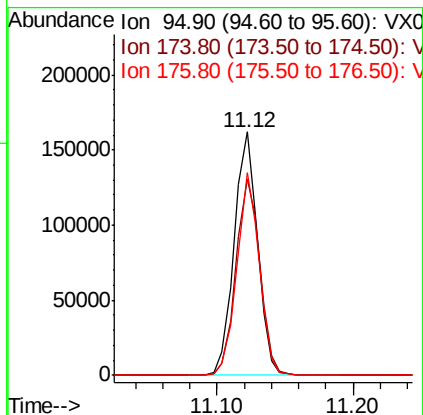
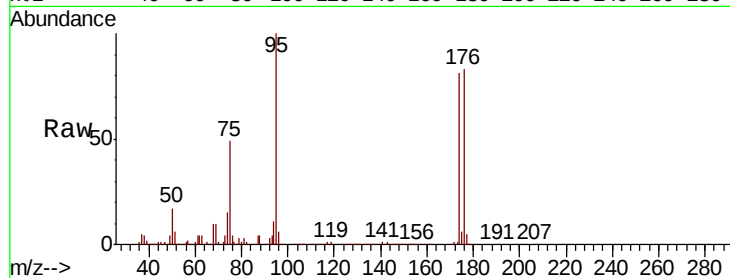




#62
4-Bromofluorobenzene
Concen: 55.209 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

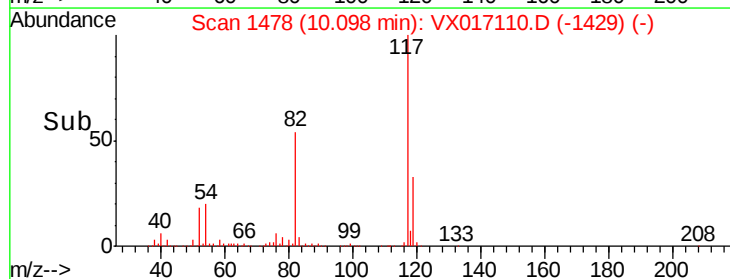
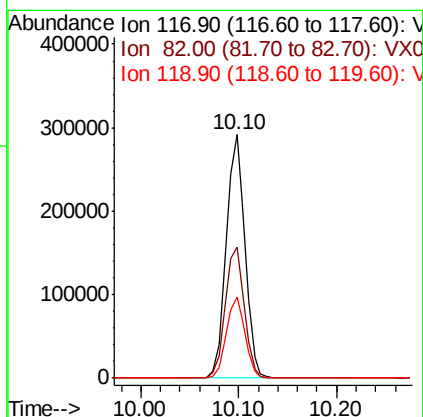
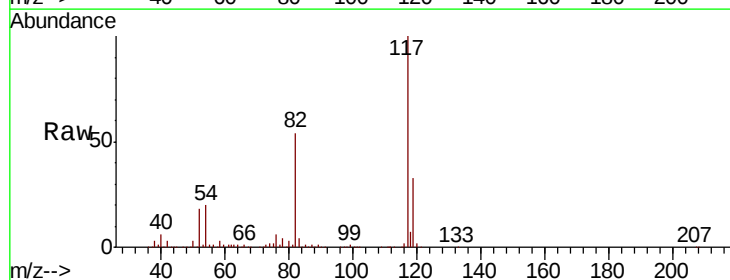
Instrument :
MSVOA_X
ClientSampleId :
63BR-20200629

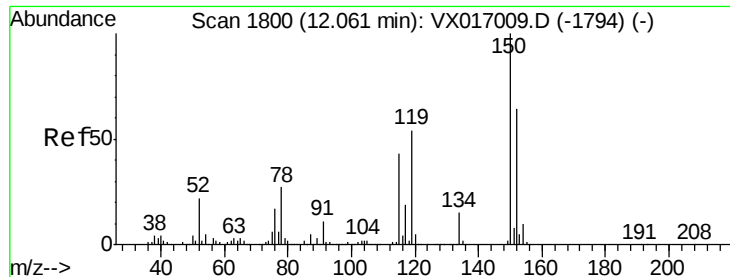
Tot Ion: 95 Resp: 193594
Ion Ratio Lower Upper
95 100
174 82.8 0.0 164.0
176 79.9 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017110.D
Acq: 01 Jul 2020 19:48

Tgt Ion: 117 Resp: 386699
Ion Ratio Lower Upper
117 100
82 53.9 42.6 63.8
119 33.1 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: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

63BR-20200629

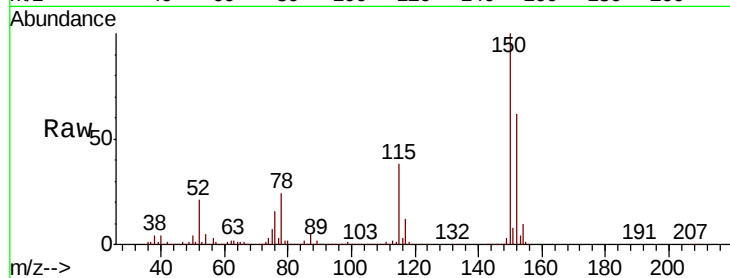
Tot Ion:152 Resp: 207633

Ion Ratio Lower Upper

152 100

115 58.8 40.9 122.7

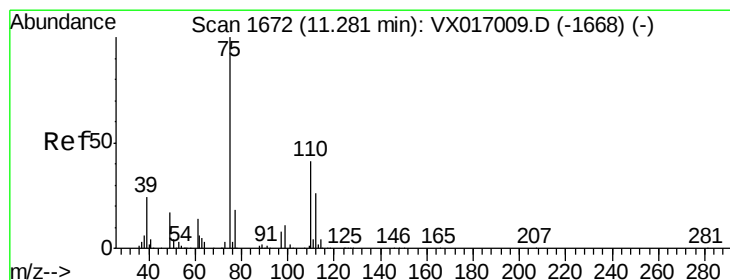
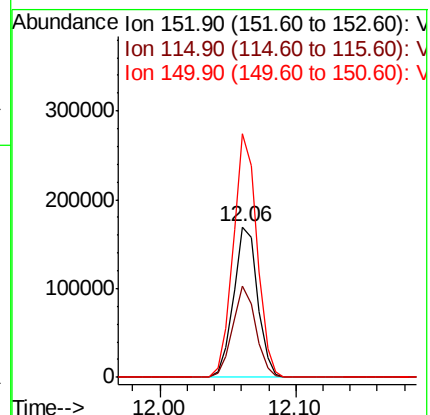
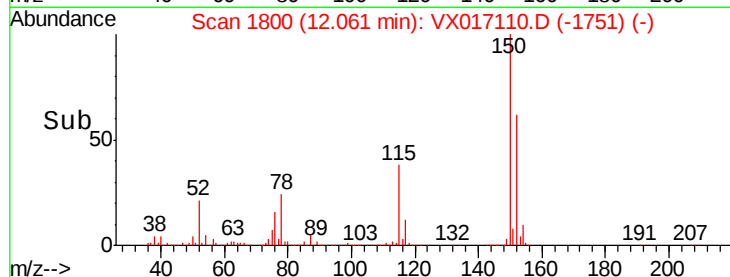
150 159.5 0.0 351.6



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: 23.401 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017110.D

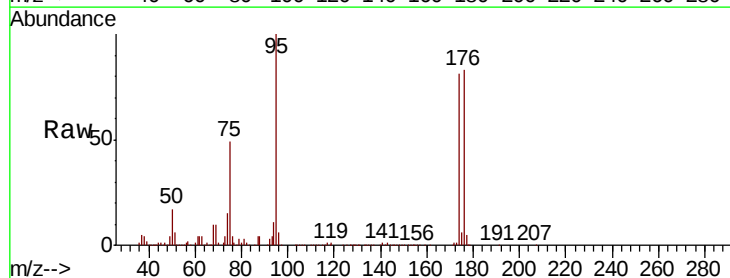
Acq: 01 Jul 2020 19:48

Tgt Ion: 75 Resp: 95547

Ion Ratio Lower Upper

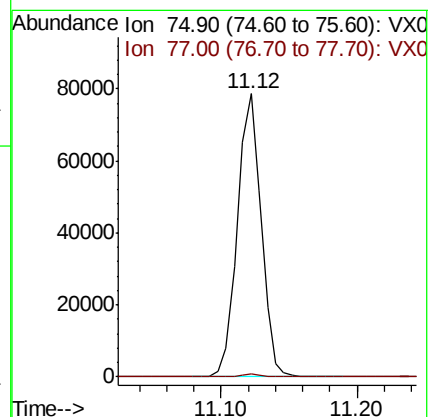
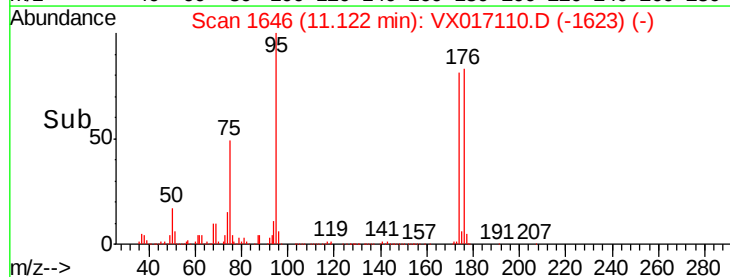
75 100

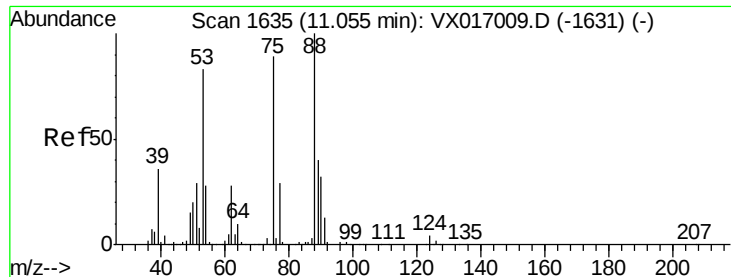
77 1.3 20.2 60.6#



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: 60.601 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

63BR-20200629

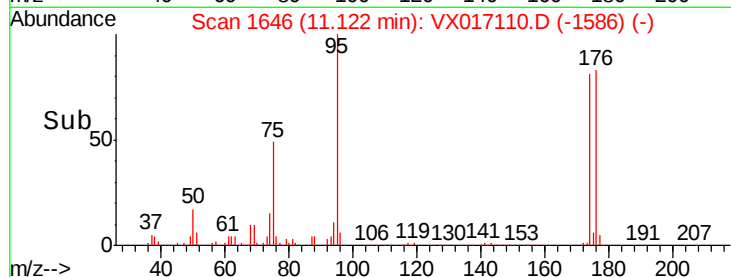
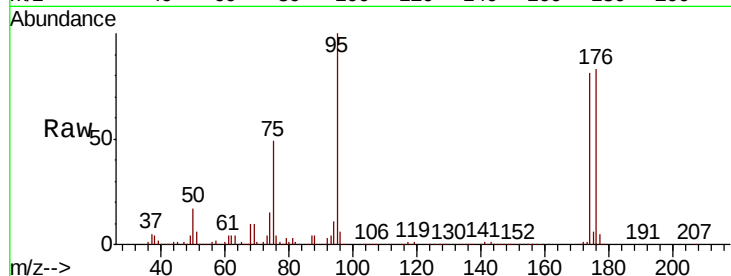
Tot Ion: 75 Resp: 95547

Ion Ratio Lower Upper

75 100

53 0.3 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

