

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070620\
 Data File : VX017177.D
 Acq On : 06 Jul 2020 18:41
 Operator : JC/SP
 Sample : L3159-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31BR-20200629

Quant Time: Jul 07 06:52:36 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

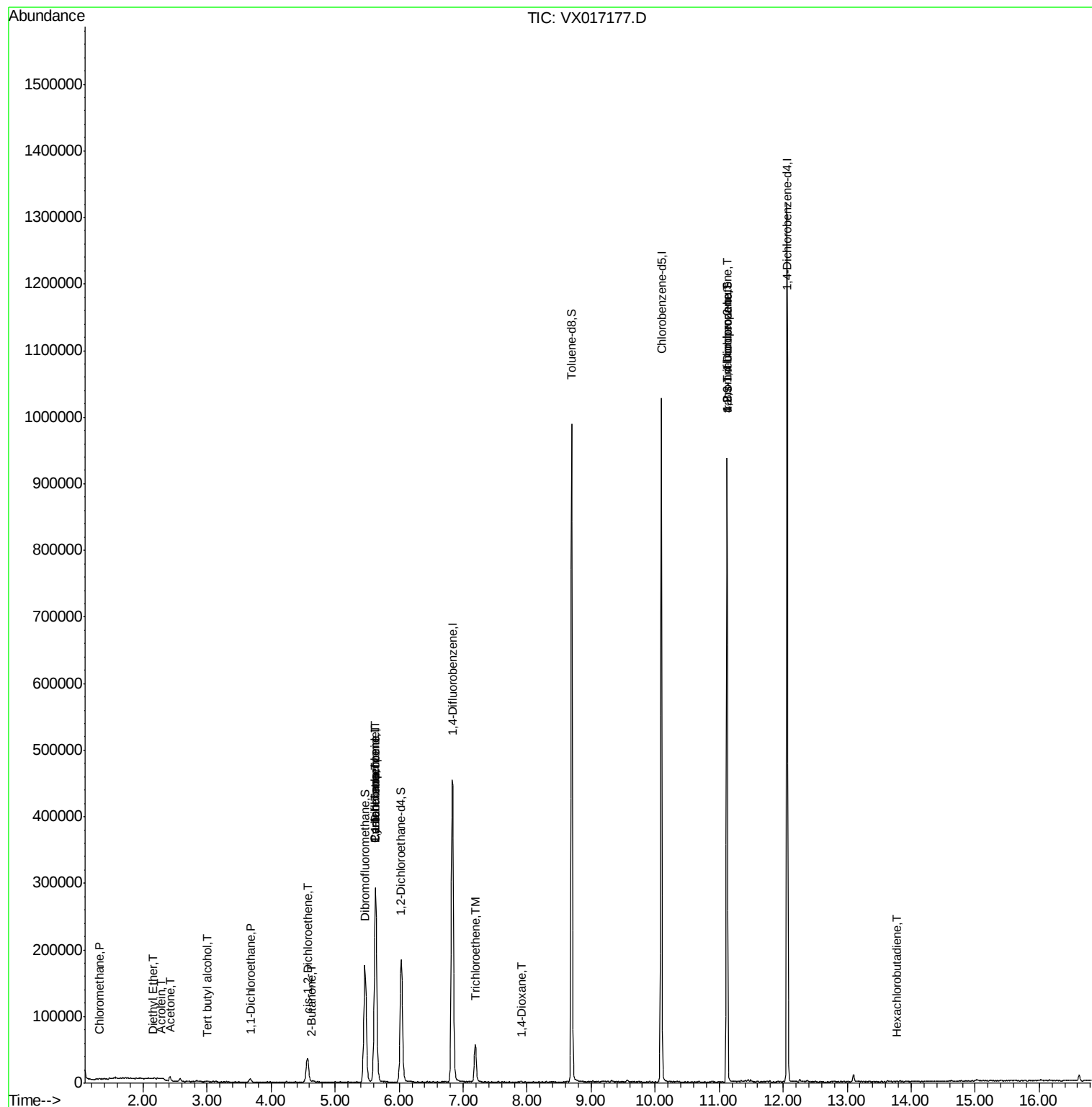
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	279960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	470139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	482073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	266806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	175901	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	5.47	113	152195	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	8.70	98	565641	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.12	95	239445	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	679	0.207	ug/l #	79
8) Diethyl Ether	2.15	74	76	0.415	ug/l	74
11) Tert butyl alcohol	3.00	59	388	0.589	ug/l #	73
13) Acrolein	2.28	56	278	0.706	ug/l #	1
16) Acetone	2.42	43	7804	6.044	ug/l	100
20) Methylene Chloride	2.84	84	929	Below Cal	#	85
24) 1,1-Dichloroethane	3.67	63	5378	0.998	ug/l #	88
25) 2-Butanone	4.63	43	582	0.271	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	23852	6.849	ug/l	89
31) Cyclohexane	5.63	56	5649	1.212	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19935	4.486	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27683	5.656	ug/l #	16
44) Trichloroethene	7.19	130	22090	5.858	ug/l	98
49) 1,4-Dioxane	7.92	88	22	0.273	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	118124	22.514	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	118124	58.304	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	439	Below Cal		75
94) Hexachlorobutadiene	13.77	225	176	0.926	ug/l #	60

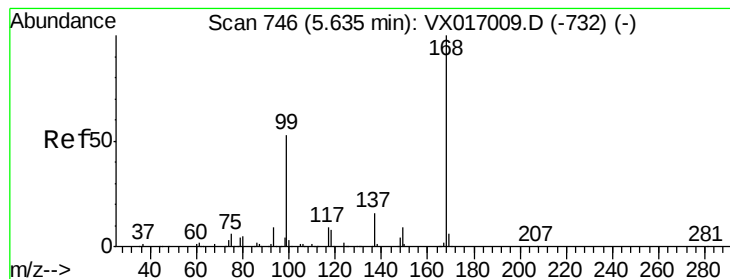
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
31BR-20200629

Quant Time: Jul 07 06:52:36 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: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

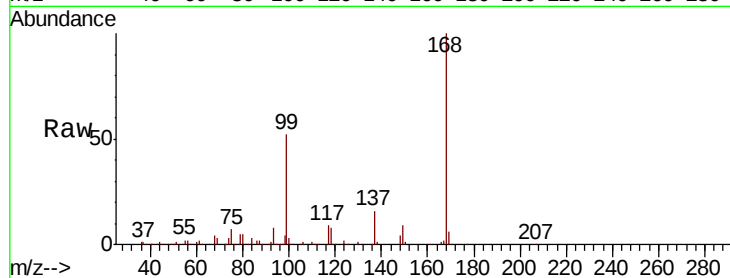
31BR-20200629

Tot Ion:168 Resp: 279960

Ion Ratio Lower Upper

168 100

99 52.2 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

100000

80000

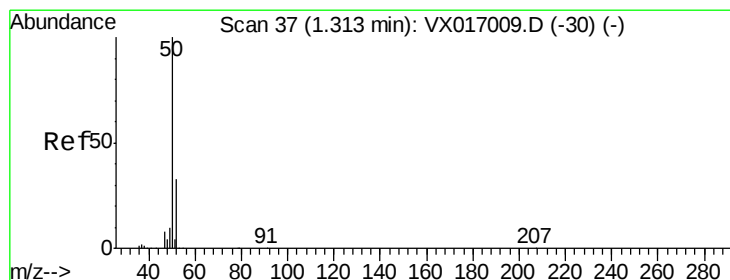
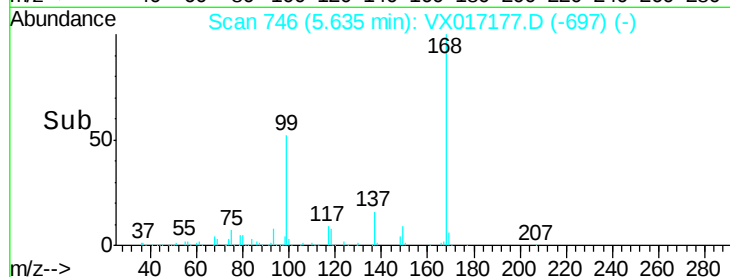
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017177.D

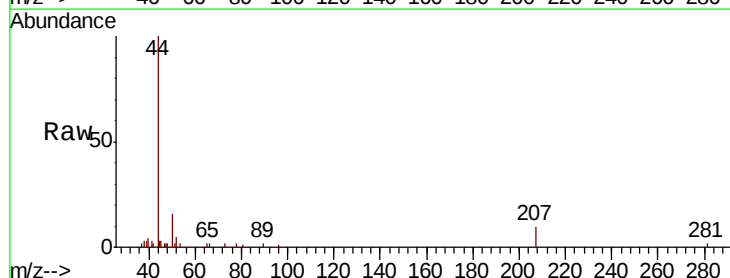
Acq: 06 Jul 2020 18:41

Tgt Ion: 50 Resp: 679

Ion Ratio Lower Upper

50 100

52 20.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

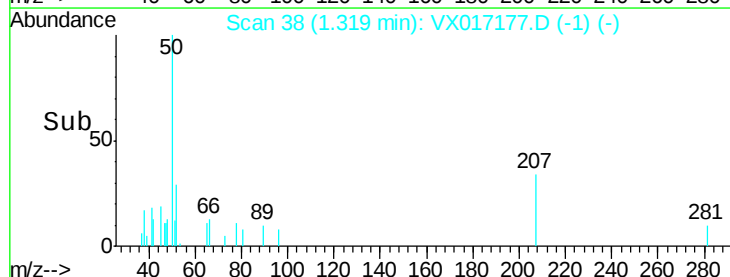
600

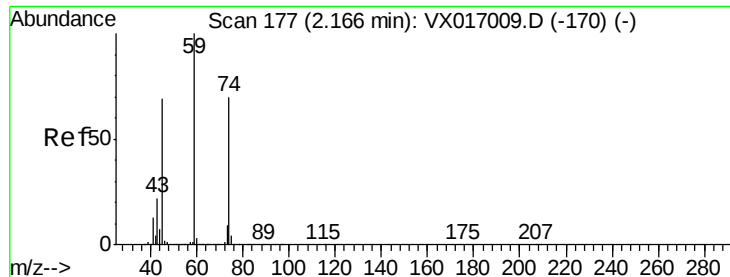
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.415 ug/l

RT: 2.15 min Scan# 174

Delta R.T. -0.02 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

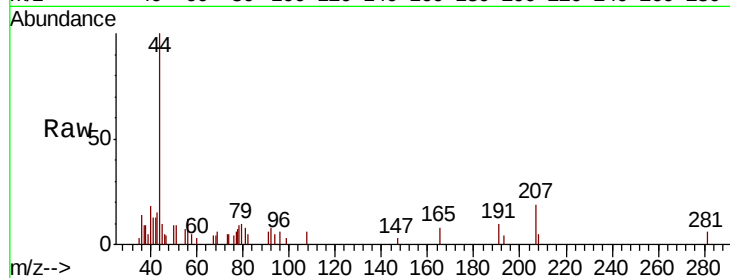
31BR-20200629

Tot Ion: 74 Resp: 76

Ion Ratio Lower Upper

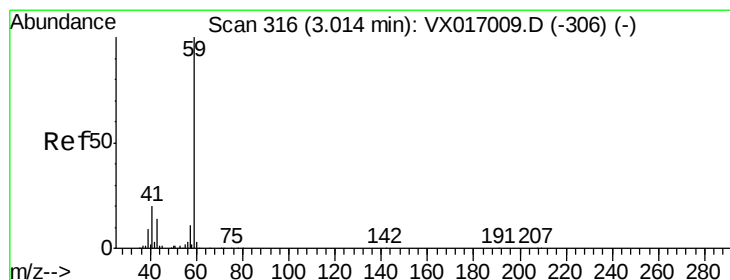
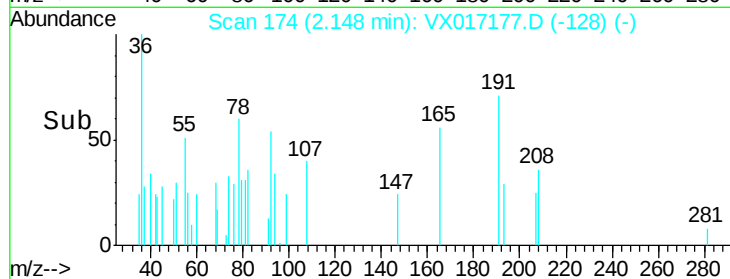
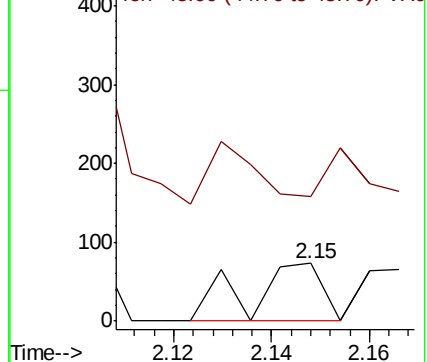
74 100

45 125.0 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: 0.589 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX017177.D

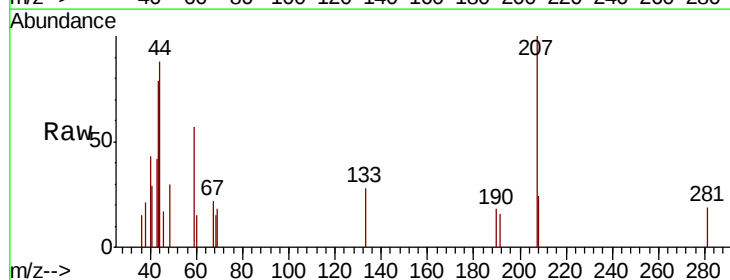
Acq: 06 Jul 2020 18:41

Tgt Ion: 59 Resp: 388

Ion Ratio Lower Upper

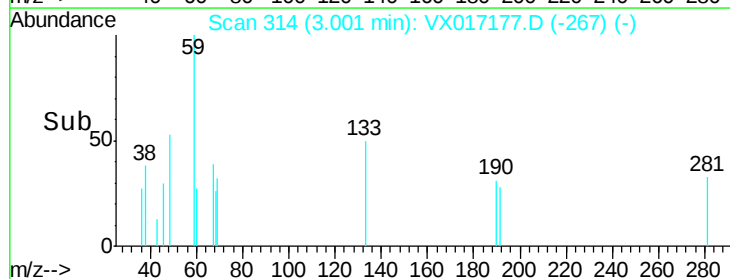
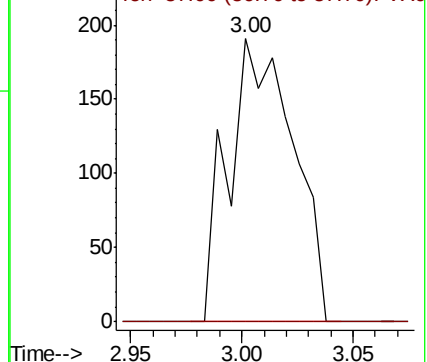
59 100

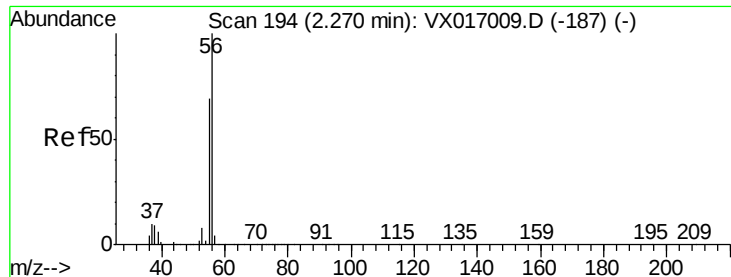
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.706 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

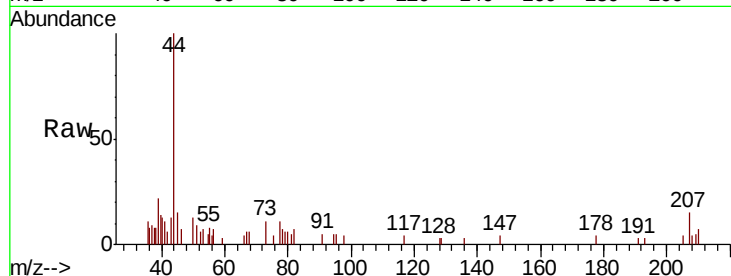
31BR-20200629

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

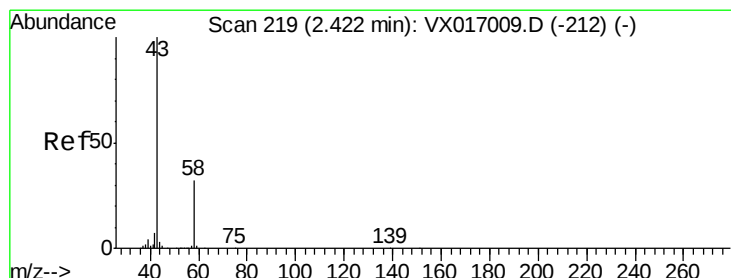
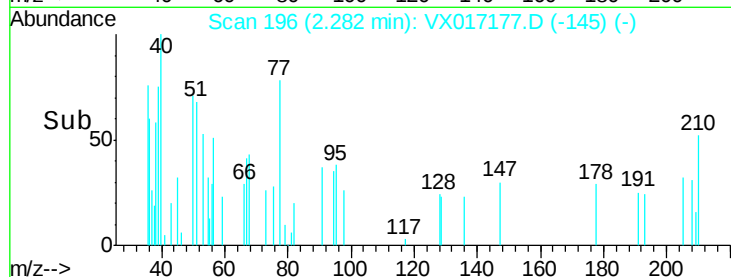
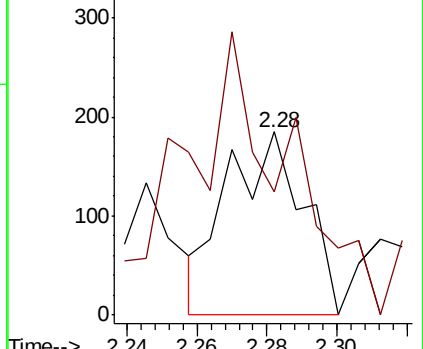
56 100

55 201.4 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.044 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017177.D

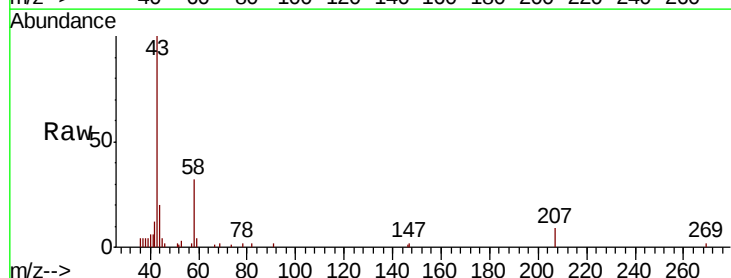
Acq: 06 Jul 2020 18:41

Tgt Ion: 43 Resp: 7804

Ion Ratio Lower Upper

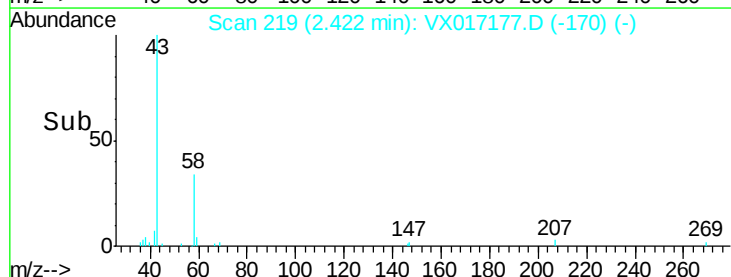
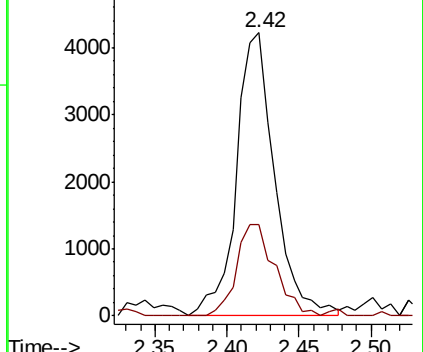
43 100

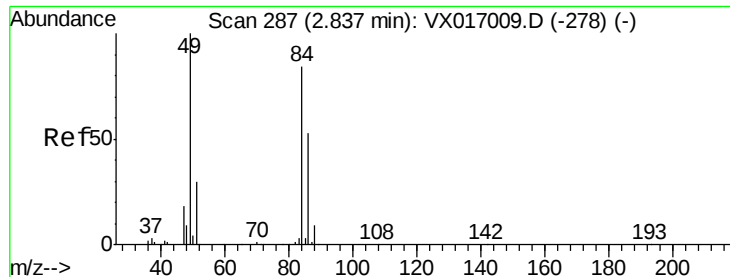
58 32.2 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

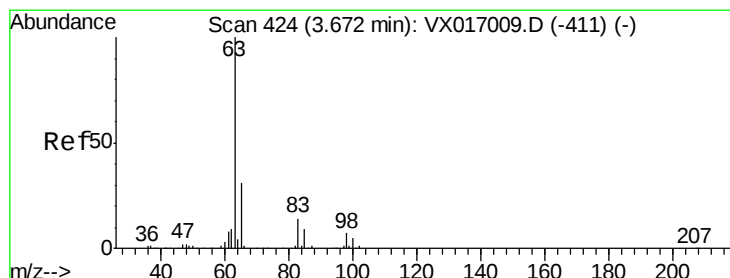
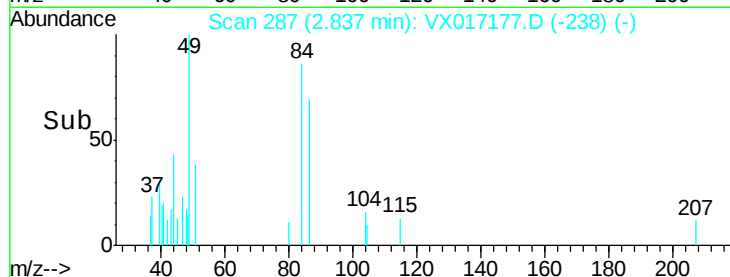
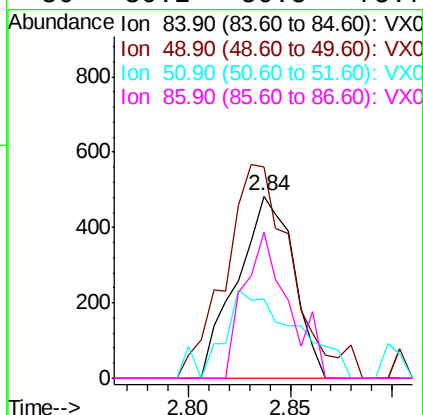
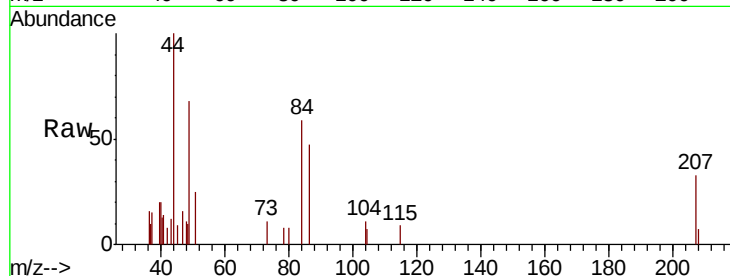




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017177.D
Acq: 06 Jul 2020 18:41

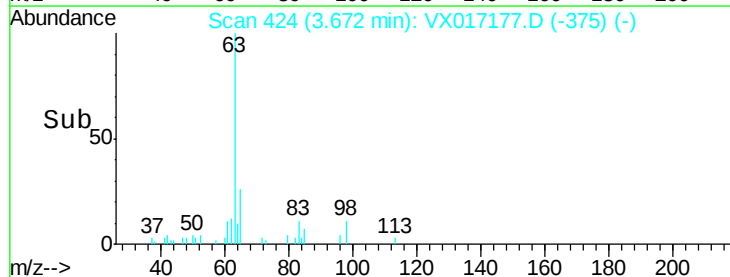
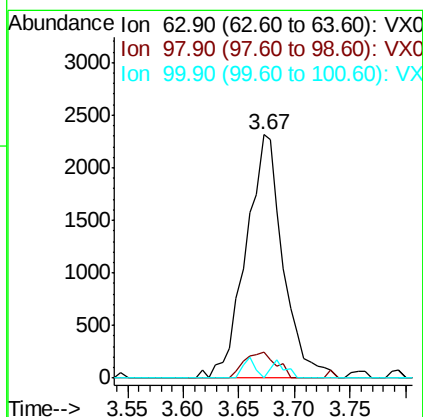
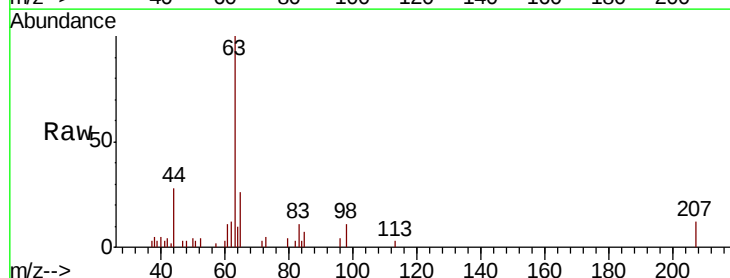
Instrument :
MSVOA_X
ClientSampleId :
31BR-20200629

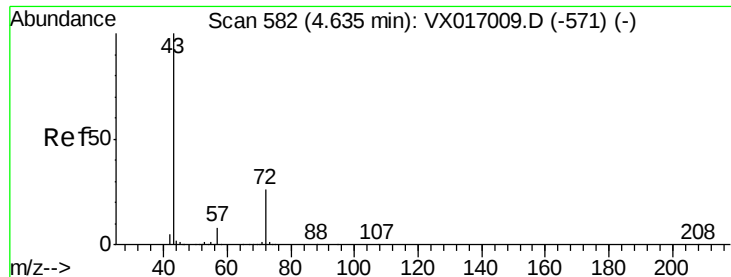
Tot Ion: 84 Resp: 929
Ion Ratio Lower Upper
84 100
49 104.5 94.7 142.1
51 28.1 28.6 42.8#
86 80.2 50.5 75.7#



#24
1,1-Dichloroethane
Concen: 0.998 ug/l
RT: 3.67 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX017177.D
Acq: 06 Jul 2020 18:41

Tgt Ion: 63 Resp: 5378
Ion Ratio Lower Upper
63 100
98 10.8 3.6 10.8
100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 0.271 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

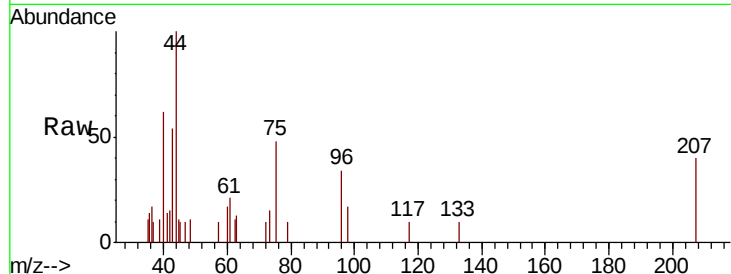
31BR-20200629

Tot Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#

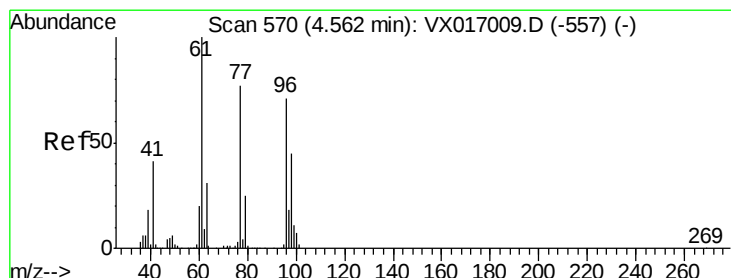
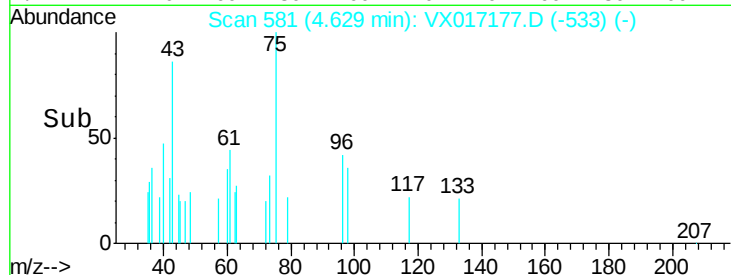


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->

4.60 4.62 4.64 4.66 4.68



#27

cis-1,2-Dichloroethene

Concen: 6.849 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

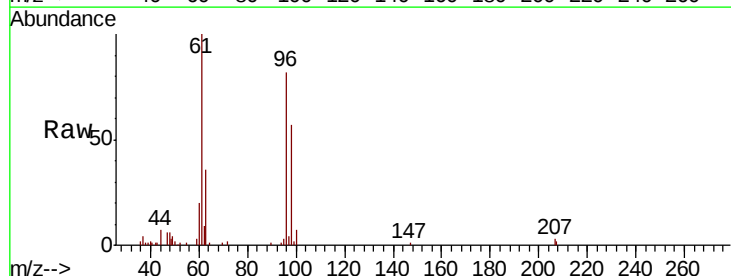
Tgt Ion: 96 Resp: 23852

Ion Ratio Lower Upper

96 100

61 122.6 0.0 282.8

98 62.1 0.0 127.6



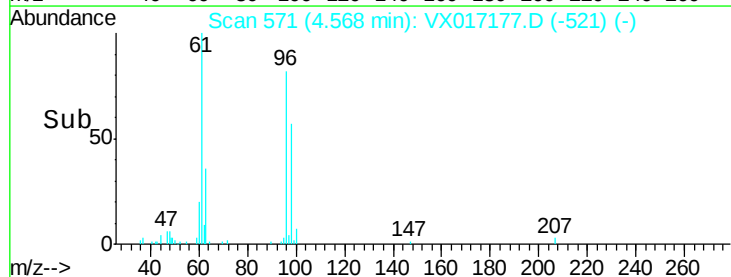
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

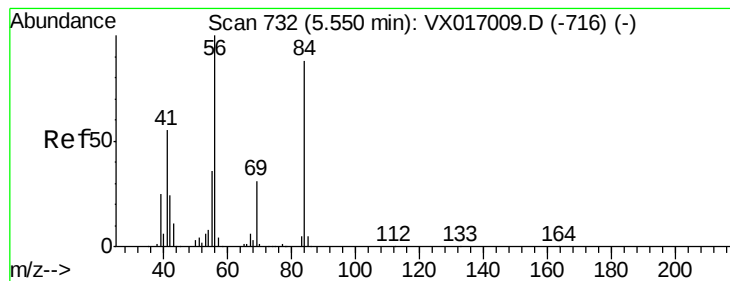
Time-->

4.50 4.55 4.60 4.65 4.70



Time-->

4.50 4.55 4.60 4.65 4.70



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

31BR-20200629

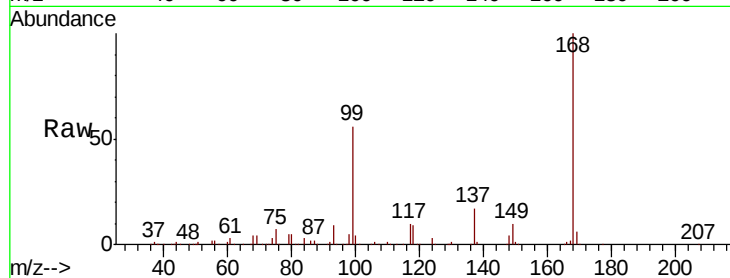
Tot Ion: 56 Resp: 5649

Ion Ratio Lower Upper

56 100

69 185.3 25.0 37.4#

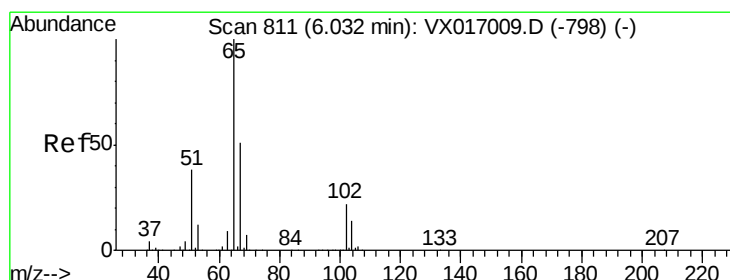
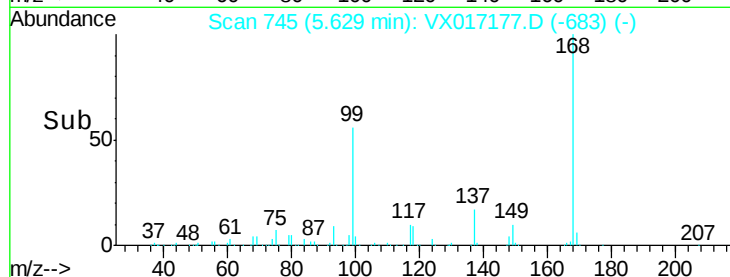
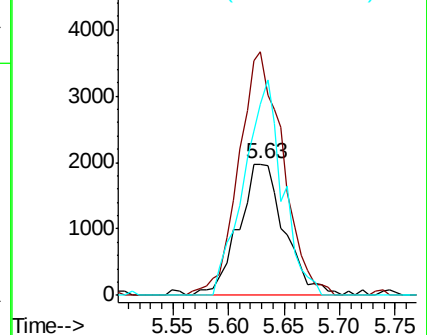
84 145.8 69.1 103.7#



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: 50.966 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017177.D

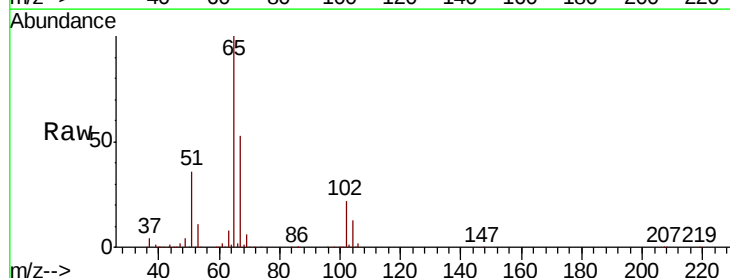
Acq: 06 Jul 2020 18:41

Tgt Ion: 65 Resp: 175901

Ion Ratio Lower Upper

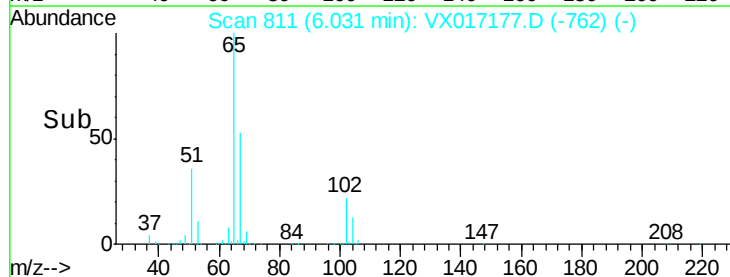
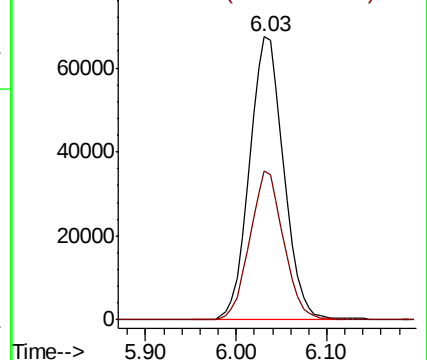
65 100

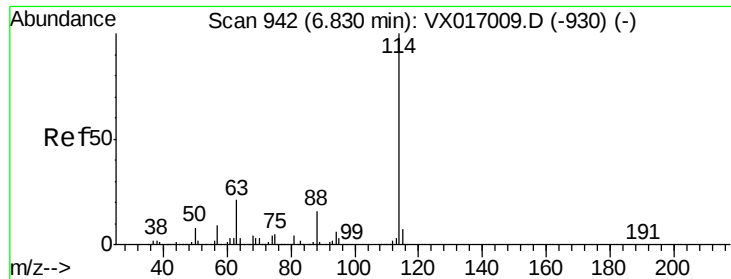
67 51.9 0.0 103.8



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: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

31BR-20200629

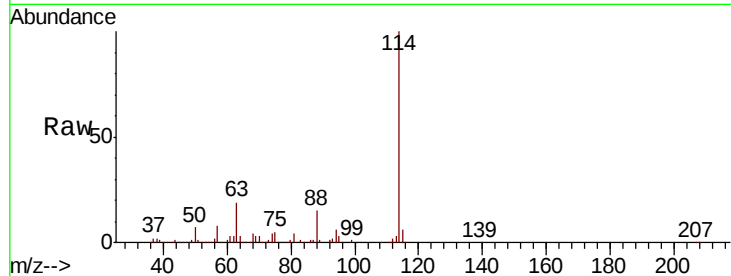
Tot Ion:114 Resp: 470139

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

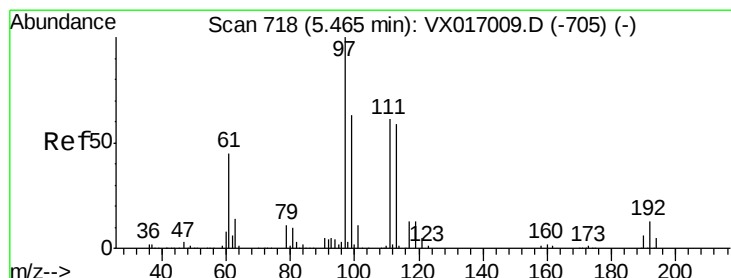
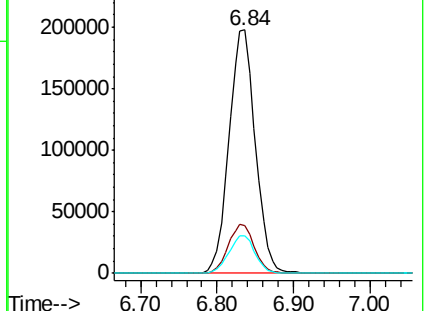
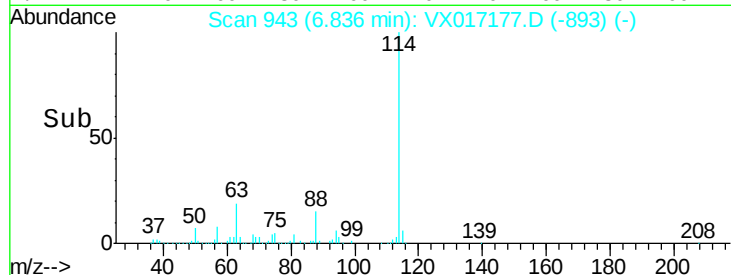
88 15.2 0.0 32.4



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: 51.176 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

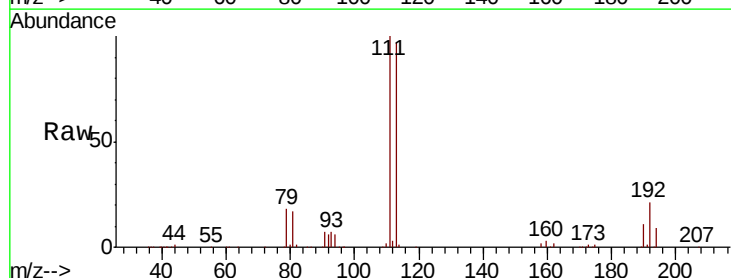
Tgt Ion:113 Resp: 152195

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

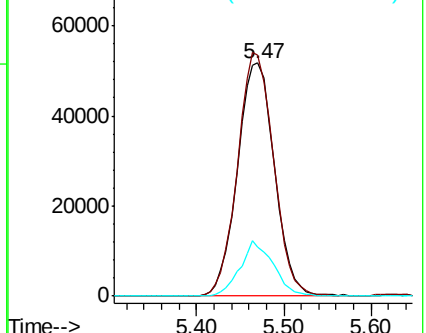
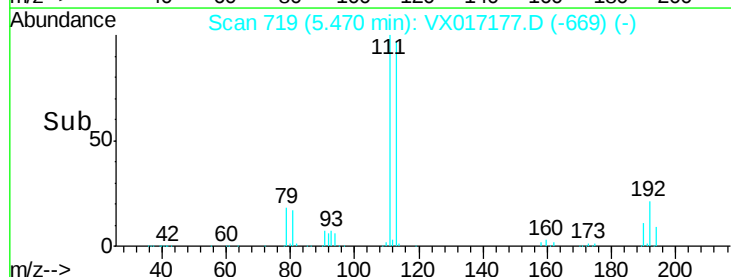
192 21.3 16.7 25.1

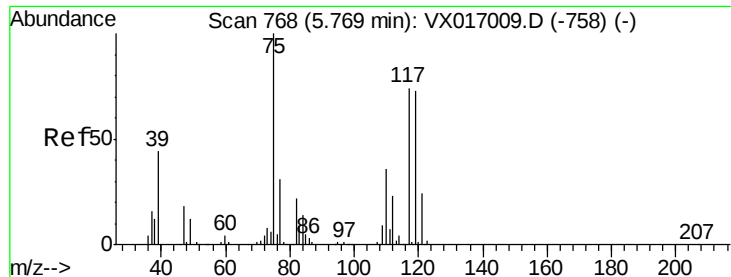


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

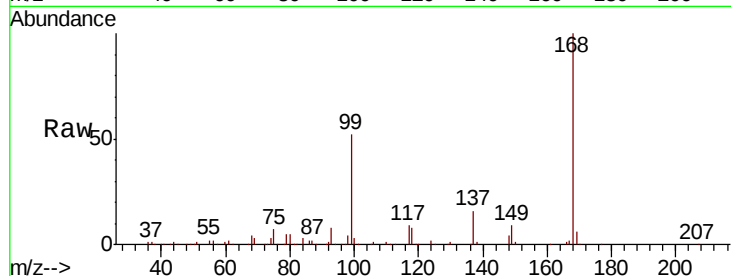




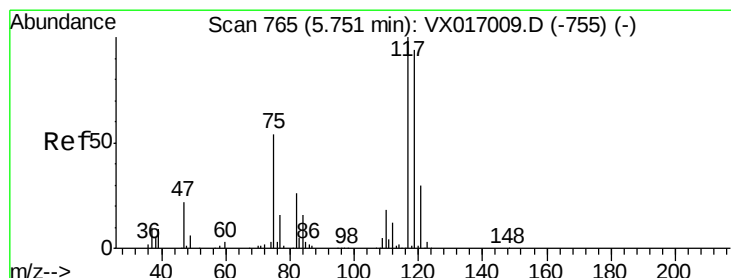
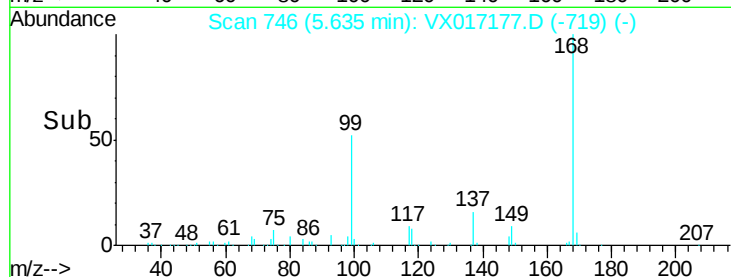
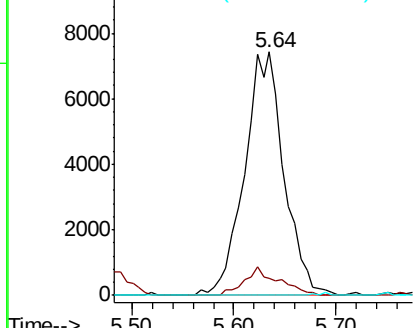
#36
 1,1-Dichloropropene
 Concen: 4.486 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017177.D
 Acq: 06 Jul 2020 18:41

Instrument :
 MSVOA_X
 ClientSampleId :
 31BR-20200629

Tot Ion: 75 Resp: 19935
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.1#
 77 0.0 24.6 37.0#

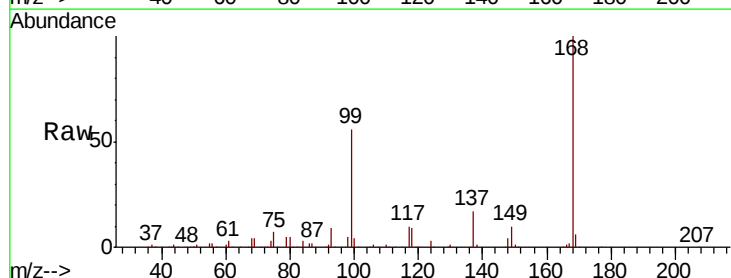


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

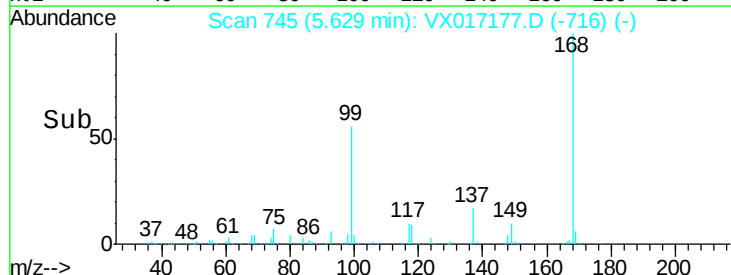
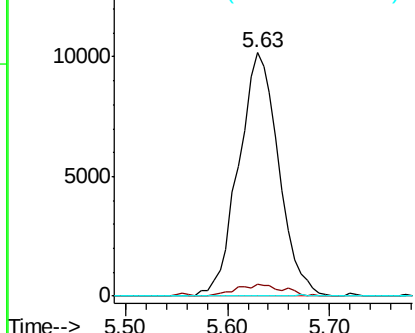


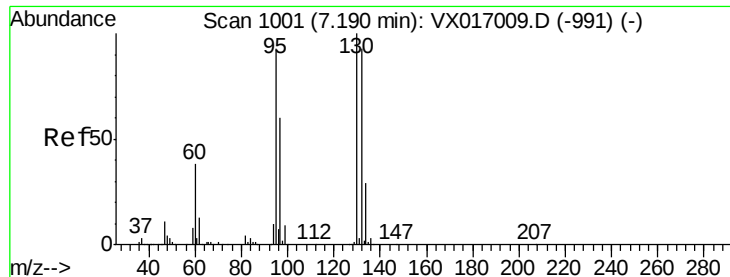
#38
 Carbon Tetrachloride
 Concen: 5.656 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017177.D
 Acq: 06 Jul 2020 18:41

Tgt Ion:117 Resp: 27683
 Ion Ratio Lower Upper
 117 100
 119 4.8 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

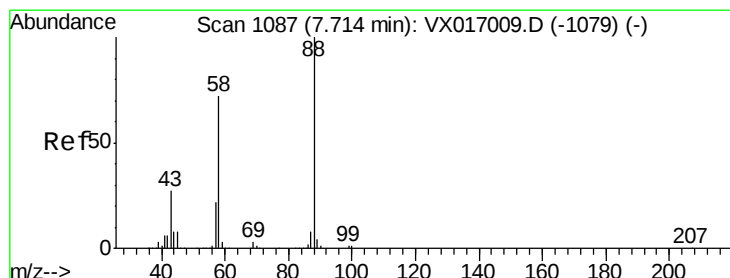
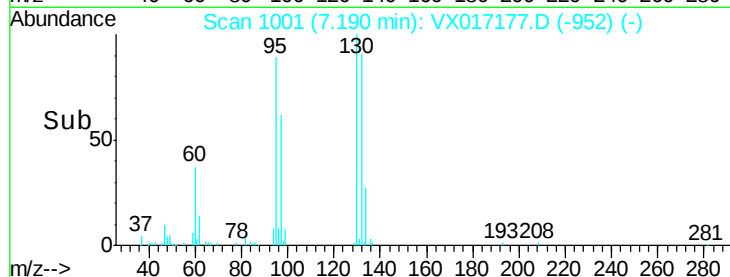
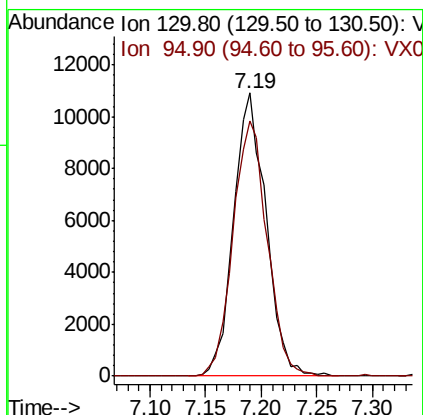
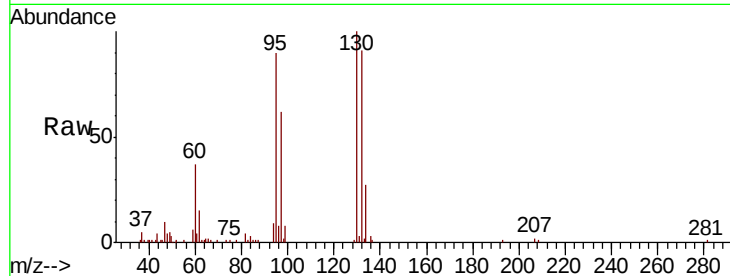




#44
 Trichloroethene
 Concen: 5.858 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017177.D
 Acq: 06 Jul 2020 18:41

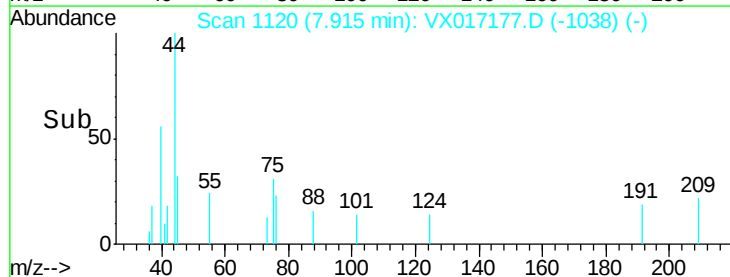
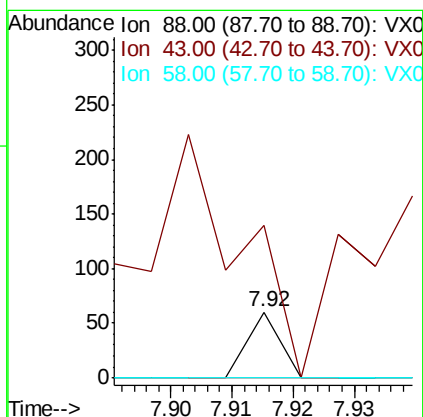
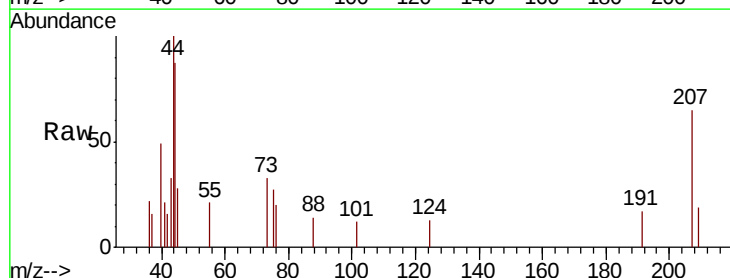
Instrument :
 MSVOA_X
 ClientSampleId :
 31BR-20200629

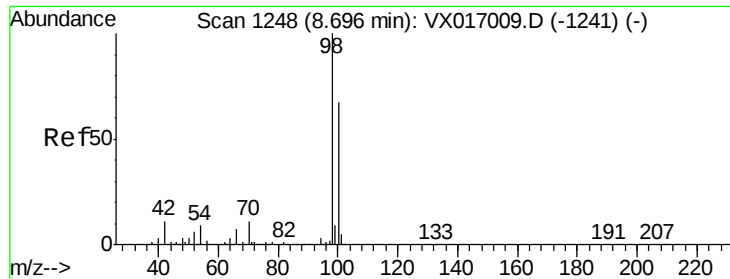
Tot Ion:130 Resp: 22090
 Ion Ratio Lower Upper
 130 100
 95 90.3 0.0 185.0



#49
 1,4-Dioxane
 Concen: 0.273 ug/l
 RT: 7.92 min Scan# 1120
 Delta R.T. 0.20 min
 Lab File: VX017177.D
 Acq: 06 Jul 2020 18:41

Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 1431.8 25.8 38.8#
 58 0.0 54.8 82.2#





#50

Toluene-d8

Concen: 51.436 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

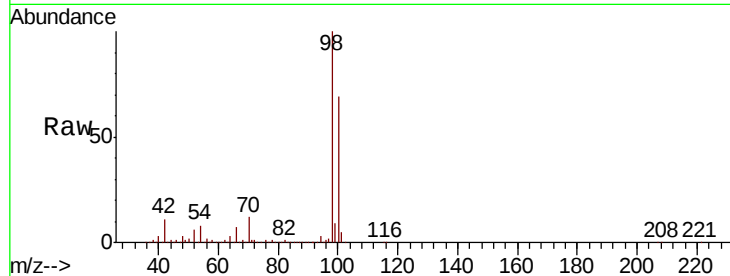
31BR-20200629

Tot Ion: 98 Resp: 565641

Ion Ratio Lower Upper

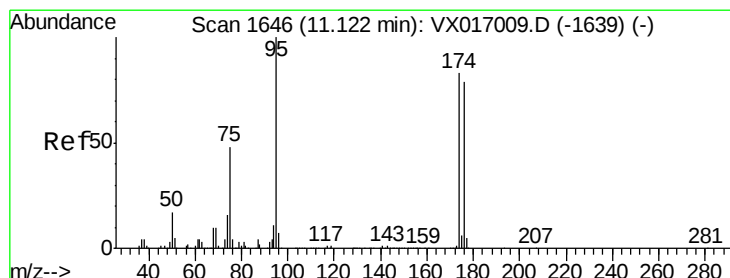
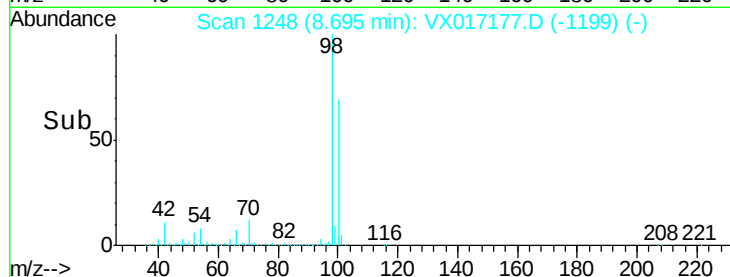
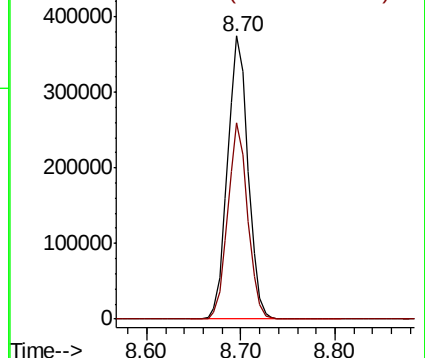
98 100

100 67.1 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: 55.699 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

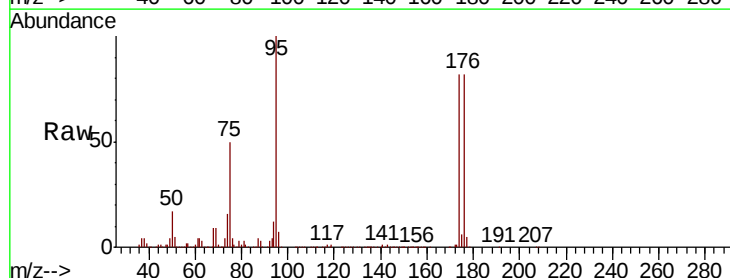
Tgt Ion: 95 Resp: 239445

Ion Ratio Lower Upper

95 100

174 82.6 0.0 164.0

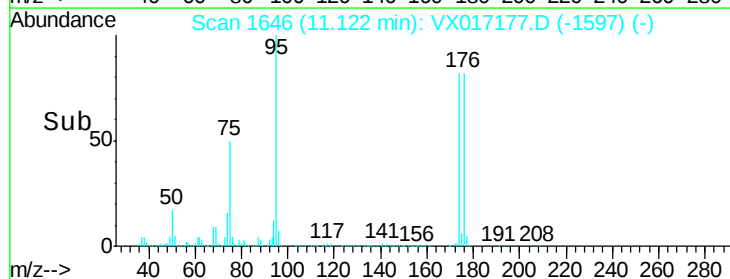
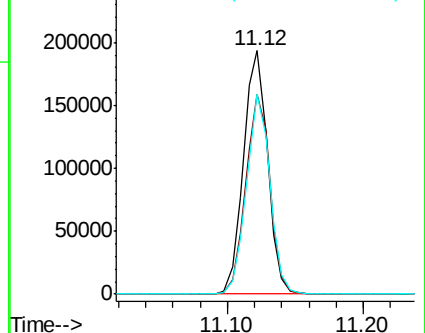
176 80.3 0.0 157.6

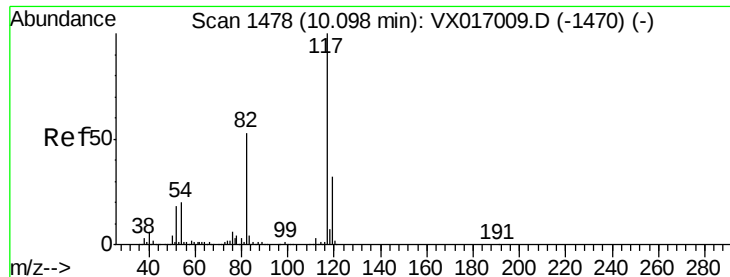


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

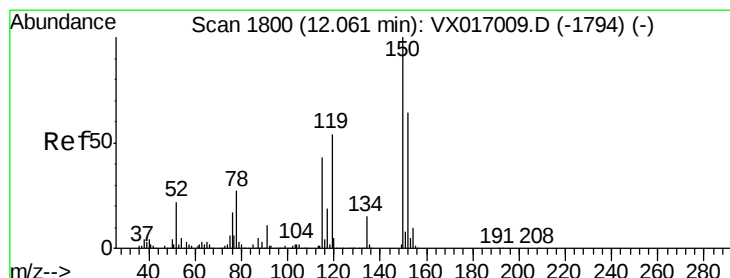
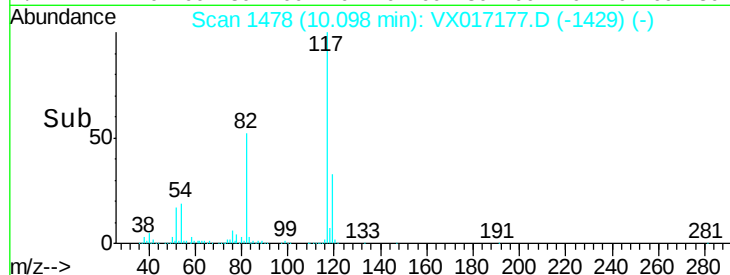
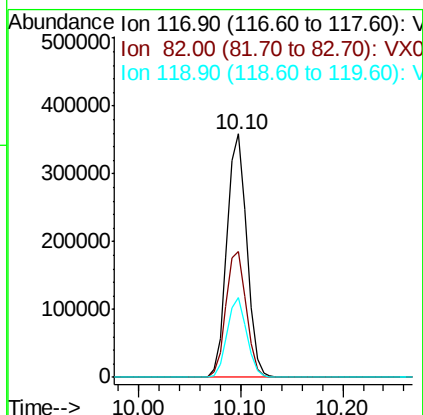
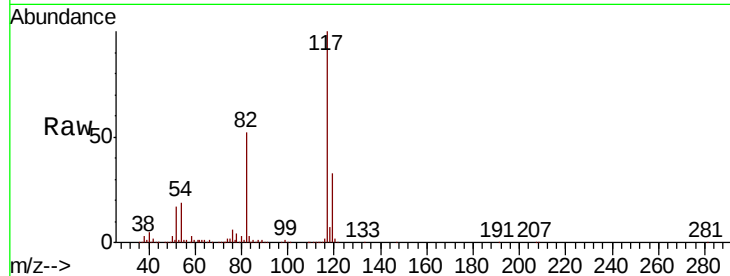




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017177.D
Acq: 06 Jul 2020 18:41

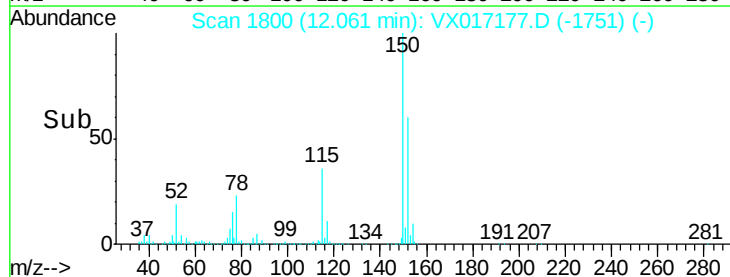
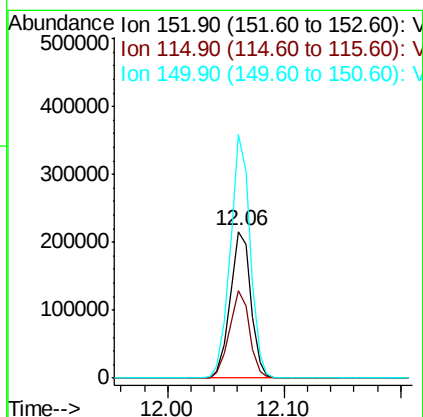
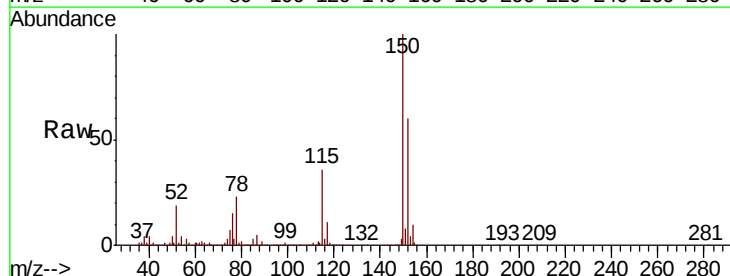
Instrument :
MSVOA_X
ClientSampleId :
31BR-20200629

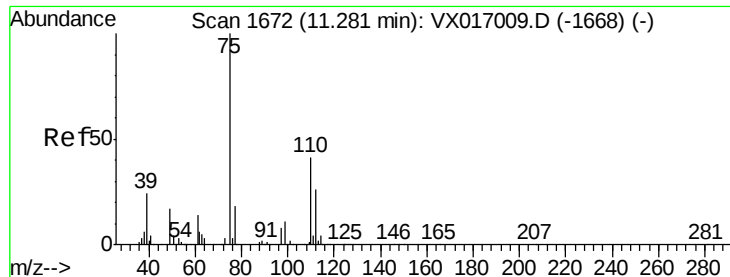
Tot Ion:117 Resp: 482073
Ion Ratio Lower Upper
117 100
82 51.6 42.6 63.8
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017177.D
Acq: 06 Jul 2020 18:41

Tgt Ion:152 Resp: 266806
Ion Ratio Lower Upper
152 100
115 58.0 40.9 122.7
150 159.9 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 22.514 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

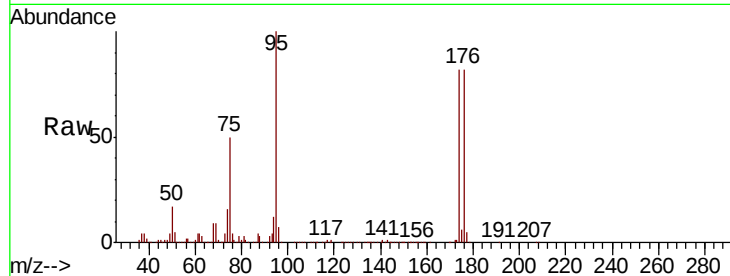
31BR-20200629

Tot Ion: 75 Resp: 118124

Ion Ratio Lower Upper

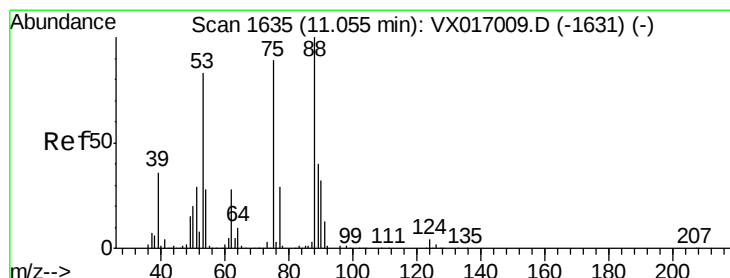
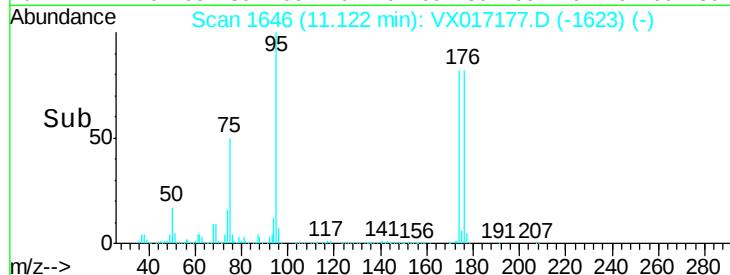
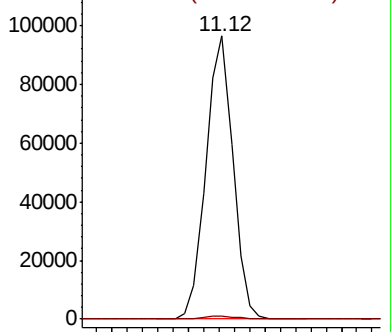
75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 58.304 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

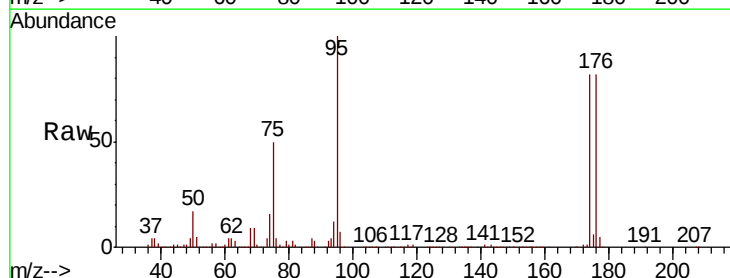
Tgt Ion: 75 Resp: 118124

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

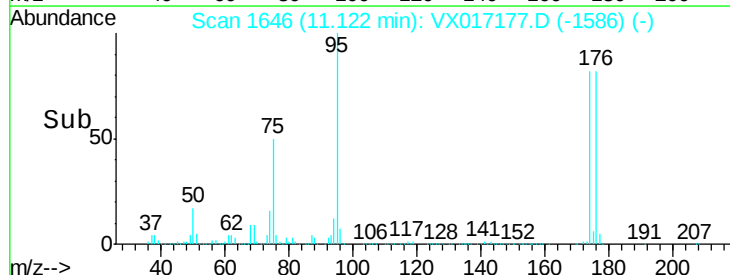
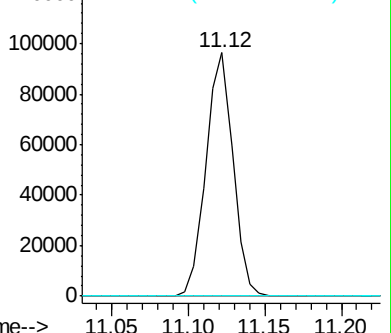
89 0.1 37.0 55.4#

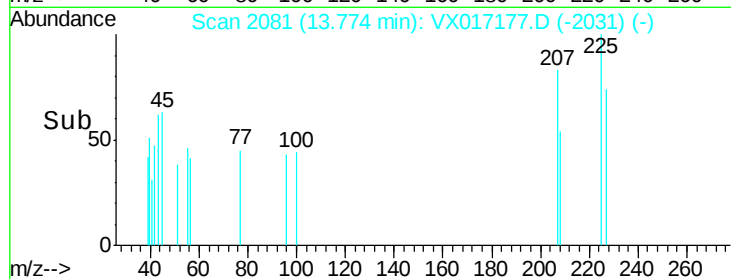
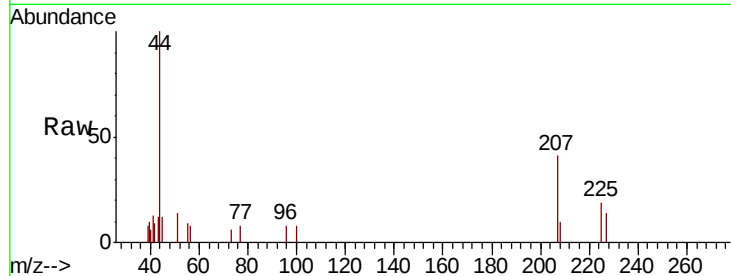
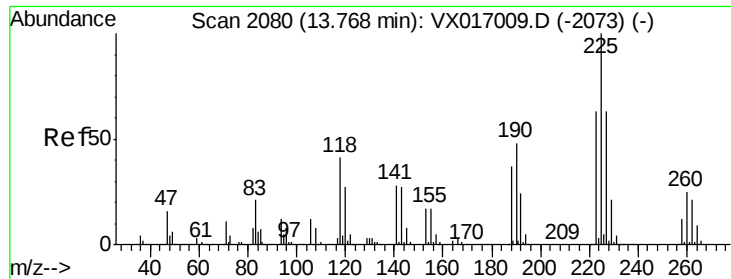


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.926 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX017177.D

Acq: 06 Jul 2020 18:41

Instrument :

MSVOA_X

ClientSampleId :

31BR-20200629

Tot Ion:225 Resp: 176

Ion Ratio Lower Upper

225 100

223 15.9 32.5 97.5#

227 51.1 33.1 99.2

