

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070620\
 Data File : VX017188.D
 Acq On : 06 Jul 2020 22:52
 Operator : JC/SP
 Sample : L3159-05 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 07BR-20200629

Quant Time: Jul 07 06:55:12 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	276928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	452406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	264810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	174908	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	5.47	113	149849	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	8.70	98	548018	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.12	95	230236	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	

Target Compounds

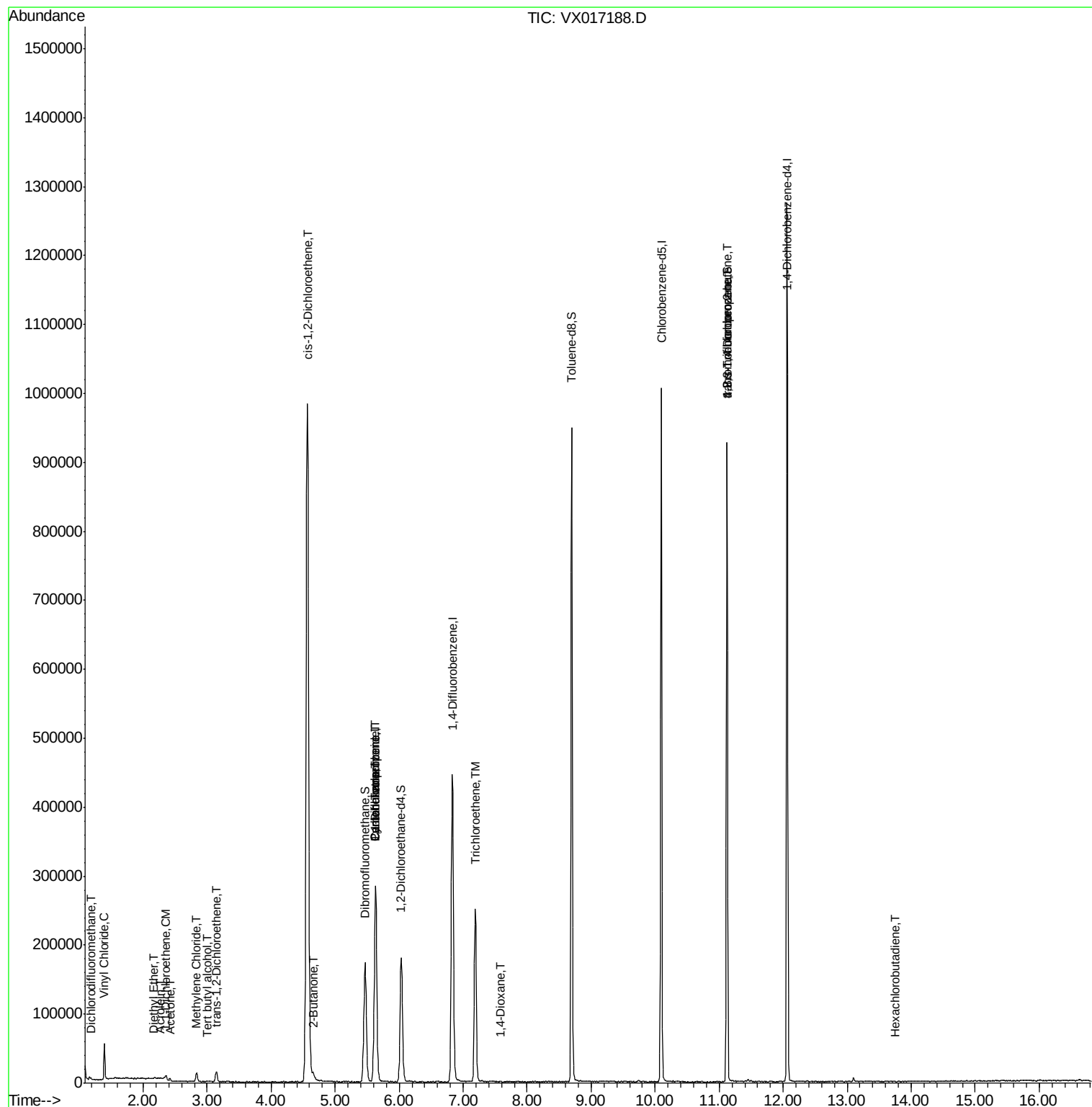
						Qvalue
2) Dichlorodifluoromethane	1.18	85	1825	0.681	ug/l	97
4) Vinyl Chloride	1.39	62	31769	10.559	ug/l	98
8) Diethyl Ether	2.17	74	294	0.560	ug/l #	1
11) Tert butyl alcohol	3.01	59	414	0.636	ug/l #	86
12) 1,1-Dichloroethene	2.36	96	2118	0.773	ug/l	82
13) Acrolein	2.26	56	135	0.347	ug/l	88
16) Acetone	2.42	43	3757	2.942	ug/l #	85
20) Methylene Chloride	2.84	84	6168	1.344	ug/l #	96
21) trans-1,2-Dichloroethene	3.14	96	6313	2.076	ug/l	87
25) 2-Butanone	4.65	43	766	0.360	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	644088	186.959	ug/l	90
31) Cyclohexane	5.63	56	5526	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19753	4.620	ug/l #	50
38) Carbon Tetrachloride	5.63	117	26974	5.728	ug/l #	16
44) Trichloroethene	7.19	130	99762	28.645	ug/l	98
49) 1,4-Dioxane	7.59	88	23	0.296	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	114907	22.066	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	114907	57.144	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	443	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	25	0.856	ug/l #	17

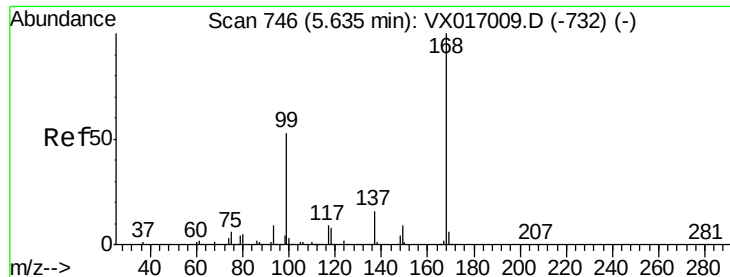
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070620\
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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# 746

Delta R.T. -0.00 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

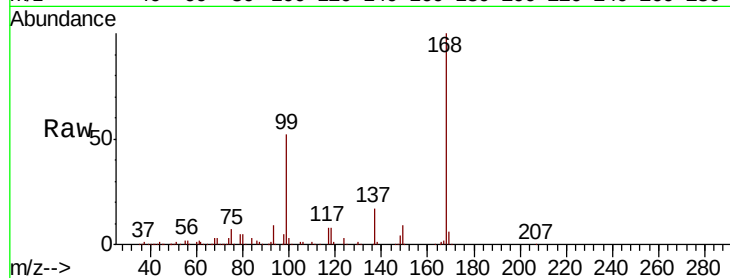
07BR-20200629

Tot Ion:168 Resp: 276928

Ion Ratio Lower Upper

168 100

99 51.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

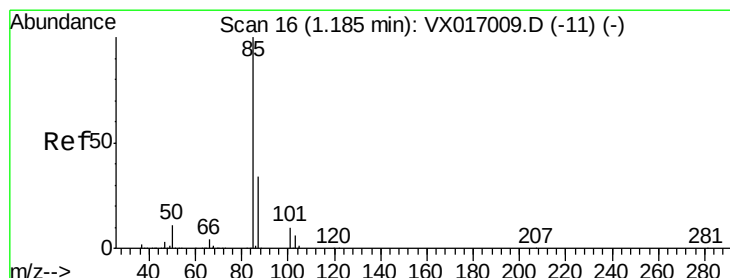
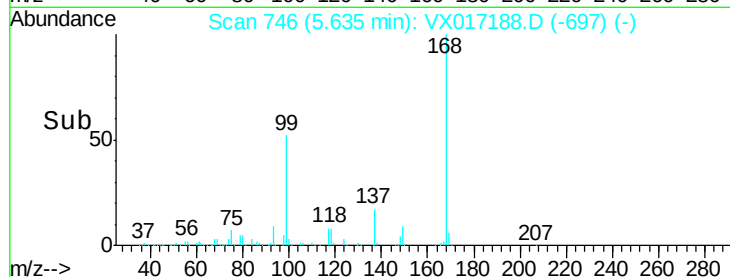
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.681 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017188.D

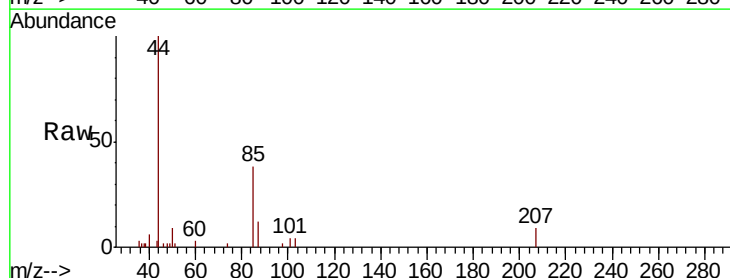
Acq: 06 Jul 2020 22:52

Tgt Ion: 85 Resp: 1825

Ion Ratio Lower Upper

85 100

87 32.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

1500

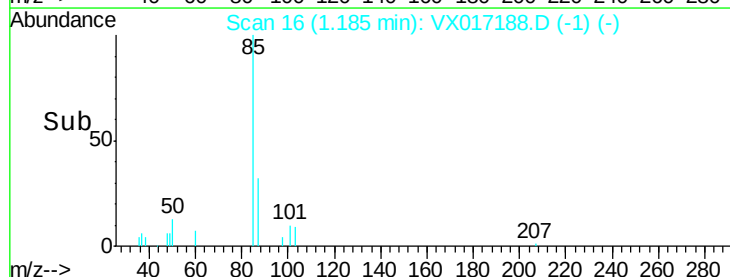
1000

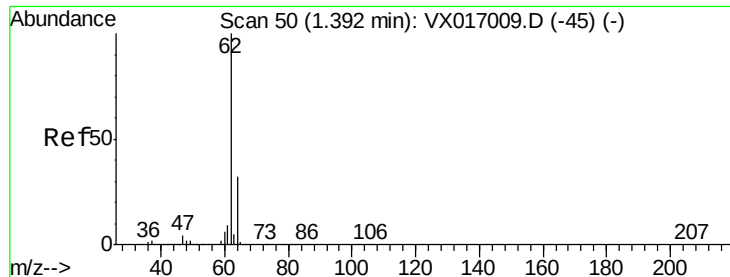
500

0

Time-->

1.10 1.15 1.20 1.25





#4

Vinyl Chloride

Concen: 10.559 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

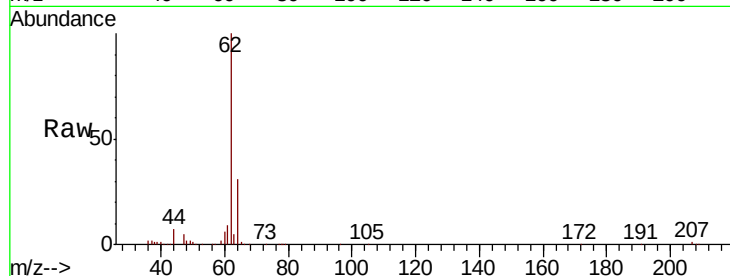
07BR-20200629

Tot Ion: 62 Resp: 31769

Ion Ratio Lower Upper

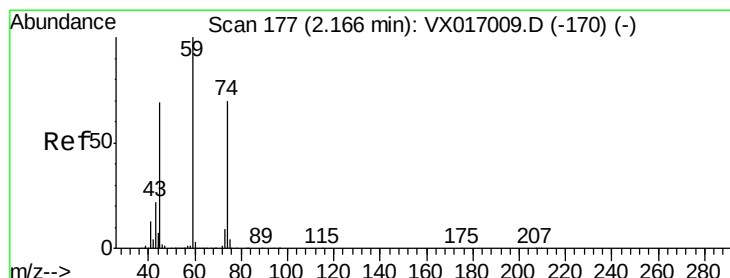
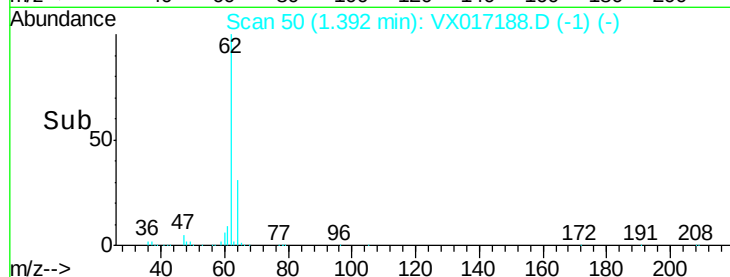
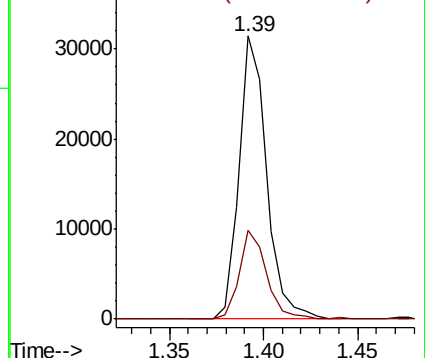
62 100

64 31.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#8

Diethyl Ether

Concen: 0.560 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017188.D

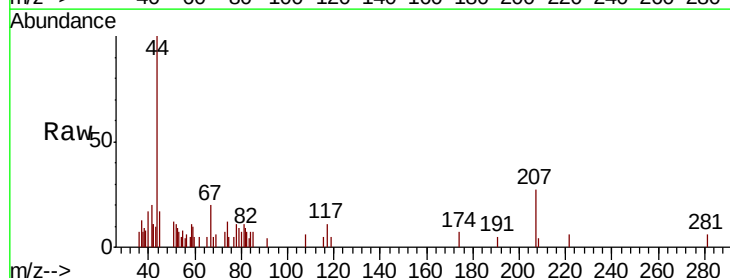
Acq: 06 Jul 2020 22:52

Tgt Ion: 74 Resp: 294

Ion Ratio Lower Upper

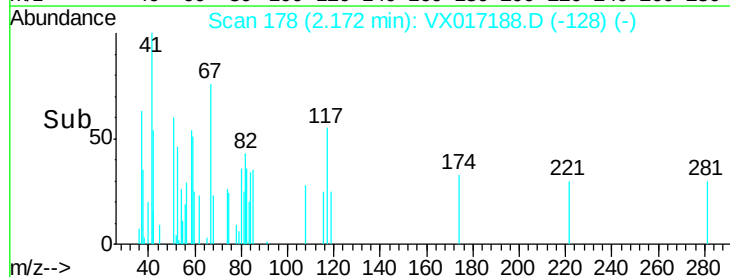
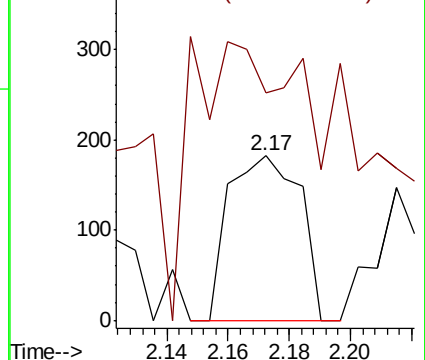
74 100

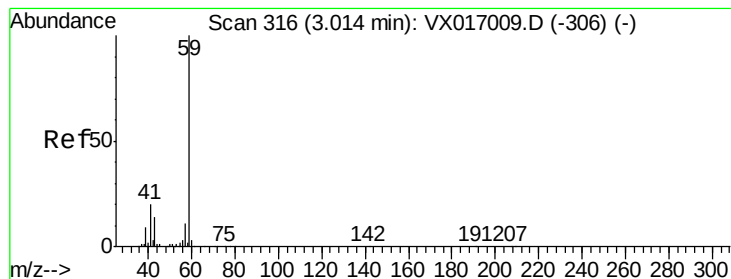
45 0.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



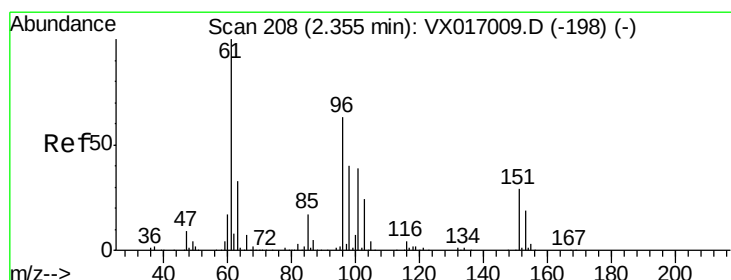
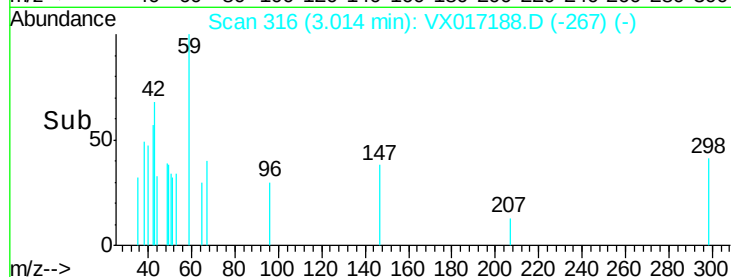
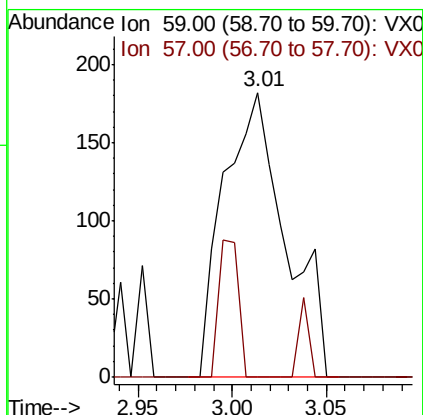
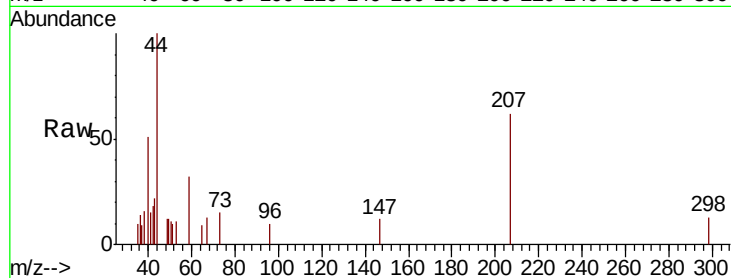


#11

Tert butyl alcohol
Concen: 0.636 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

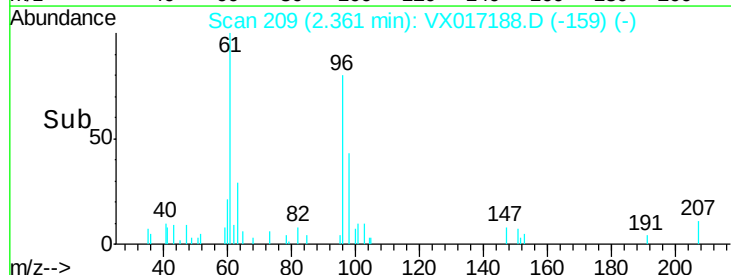
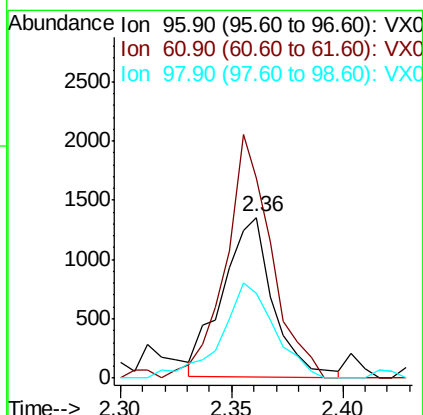
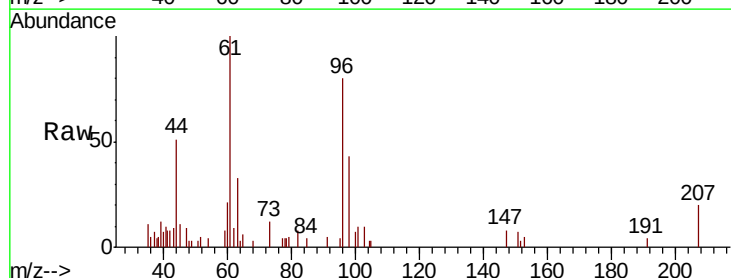
Tot Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 15.5 8.2 12.2#

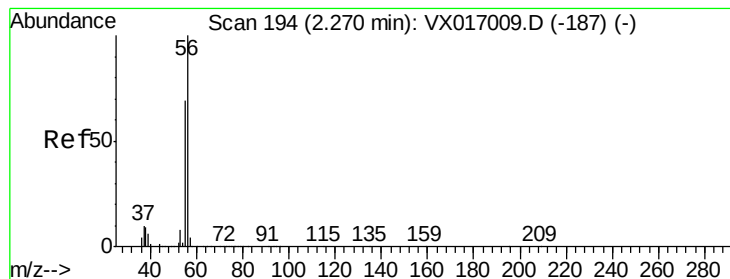


#12

1,1-Dichloroethene
Concen: 0.773 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

Tgt Ion: 96 Resp: 2118
Ion Ratio Lower Upper
96 100
61 130.0 126.3 189.5
98 55.3 51.0 76.6





#13

Acrolein

Concen: 0.347 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

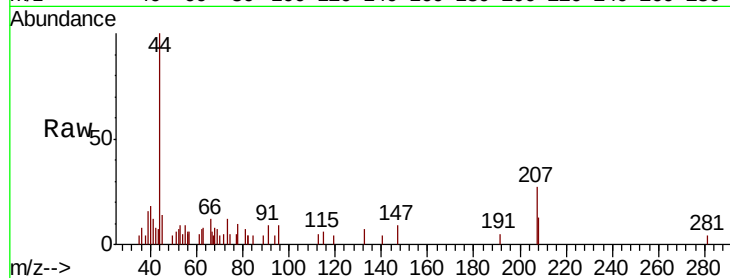
07BR-20200629

Tot Ion: 56 Resp: 135

Ion Ratio Lower Upper

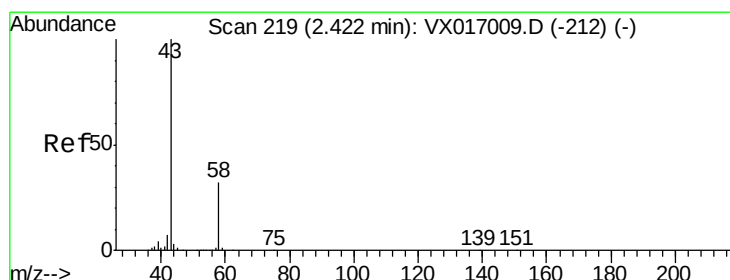
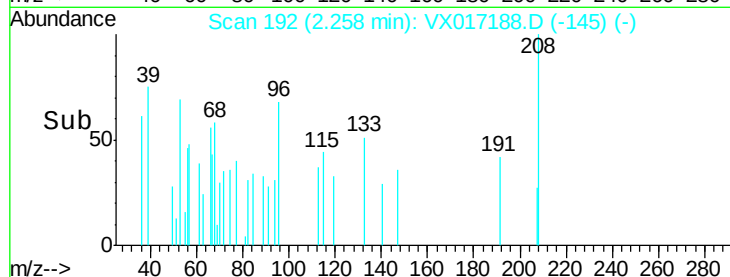
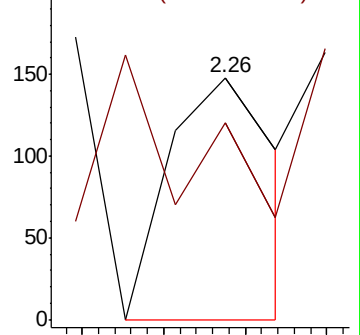
56 100

55 79.3 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: 2.942 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017188.D

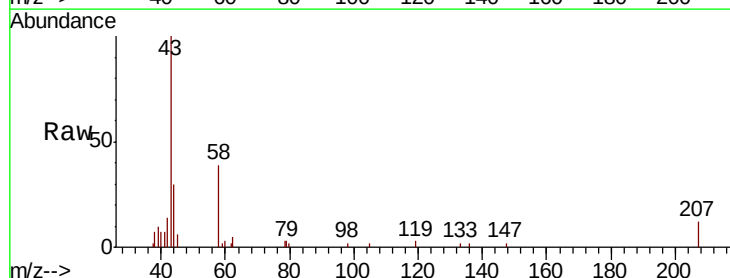
Acq: 06 Jul 2020 22:52

Tgt Ion: 43 Resp: 3757

Ion Ratio Lower Upper

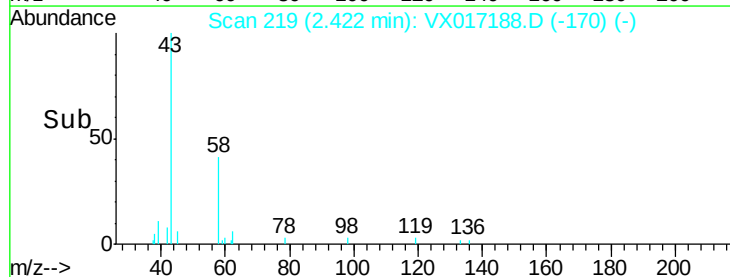
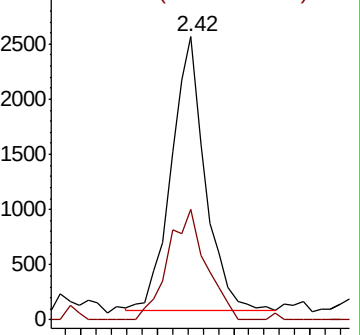
43 100

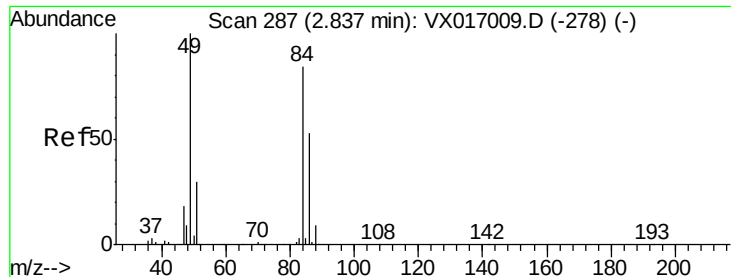
58 40.3 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

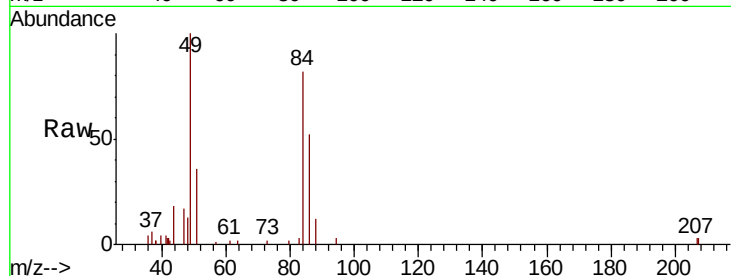




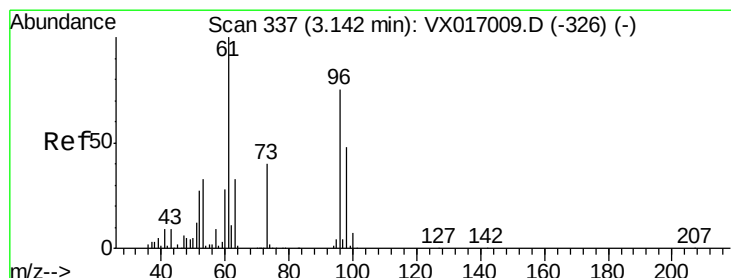
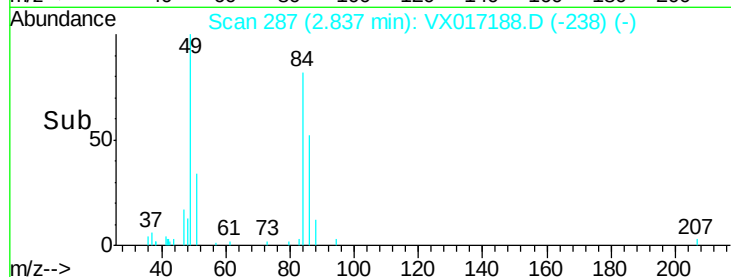
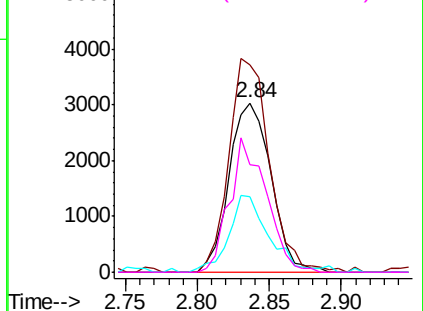
#20
Methylene Chloride
Concen: 1.344 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

Tot Ion: 84 Resp: 6168
Ion Ratio Lower Upper
84 100
49 122.1 94.7 142.1
51 44.5 28.6 42.8#
86 63.4 50.5 75.7

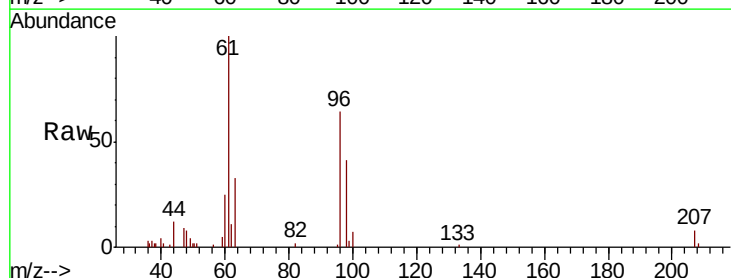


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

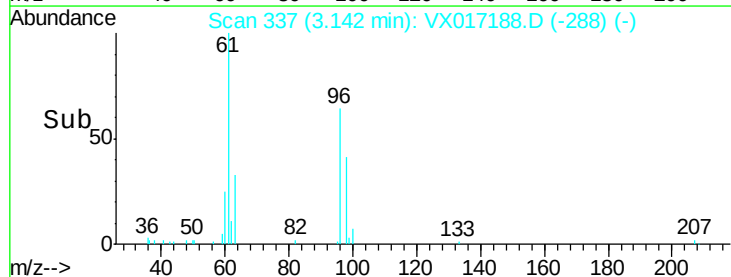
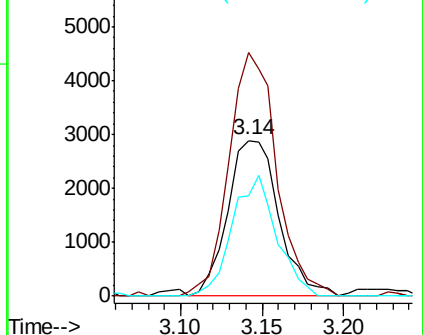


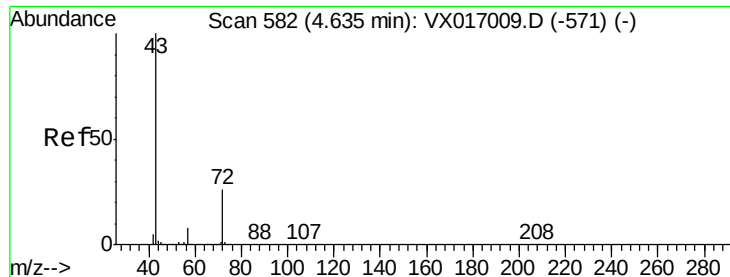
#21
trans-1,2-Dichloroethene
Concen: 2.076 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

Tgt Ion: 96 Resp: 6313
Ion Ratio Lower Upper
96 100
61 156.8 107.0 160.6
98 64.6 51.6 77.4



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





#25

2-Butanone

Concen: 0.360 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

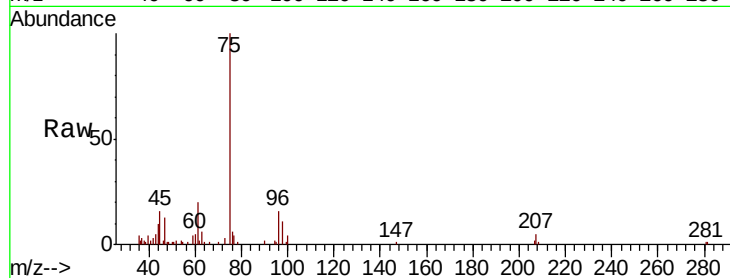
07BR-20200629

Tot Ion: 43 Resp: 766

Ion Ratio Lower Upper

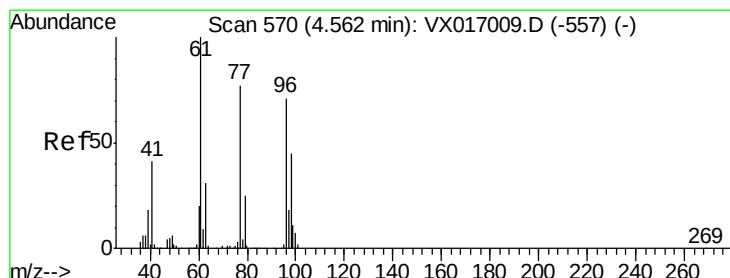
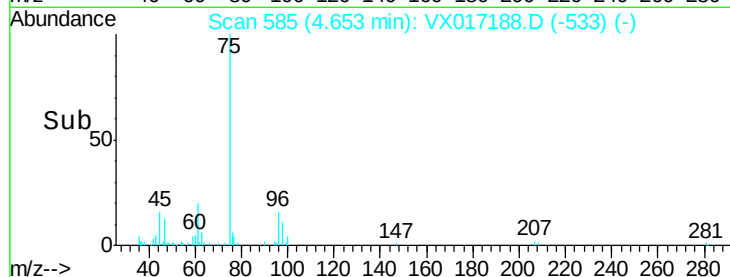
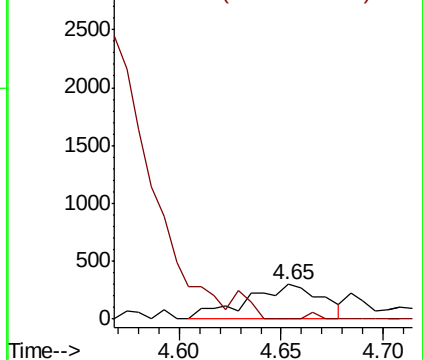
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 186.959 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

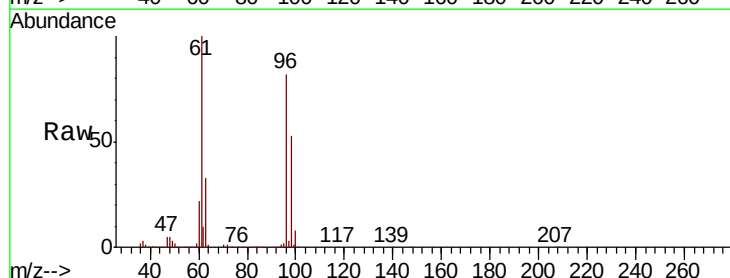
Tgt Ion: 96 Resp: 644088

Ion Ratio Lower Upper

96 100

61 123.8 0.0 282.8

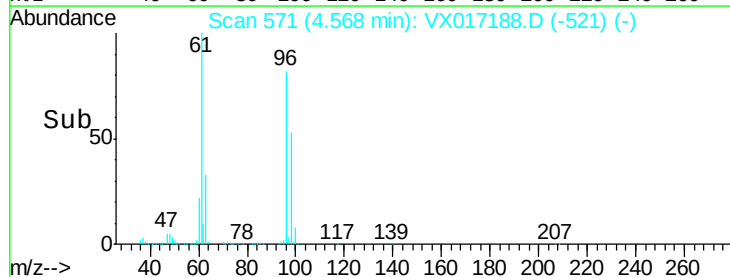
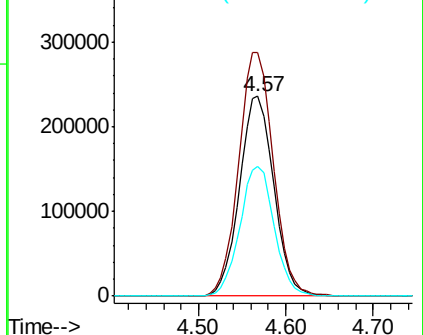
98 65.1 0.0 127.6

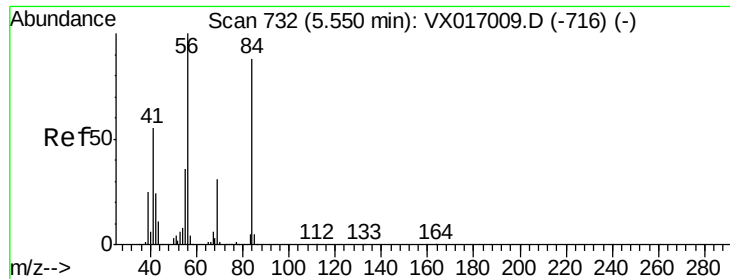


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

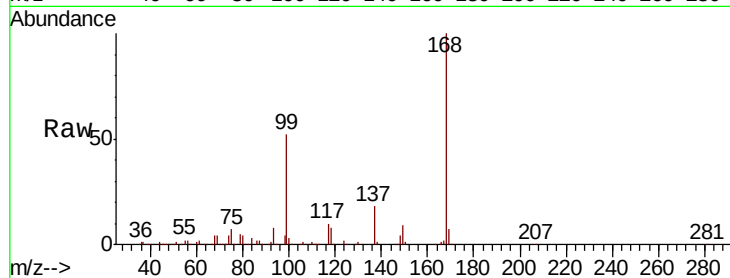




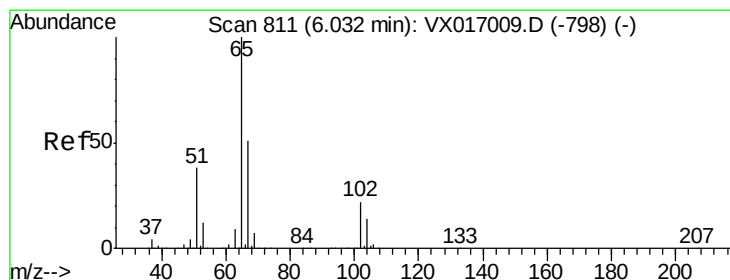
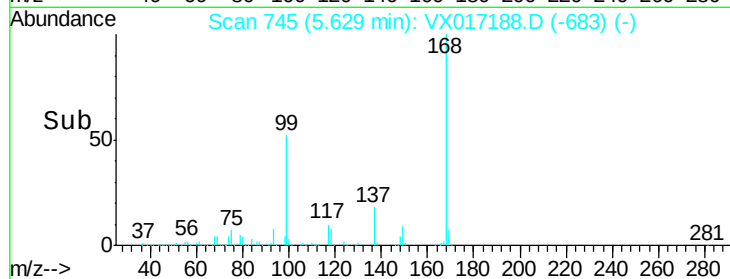
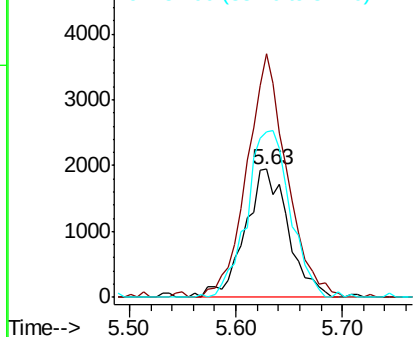
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

Tot Ion: 56 Resp: 5526
Ion Ratio Lower Upper
56 100
69 190.3 25.0 37.4#
84 129.0 69.1 103.7#

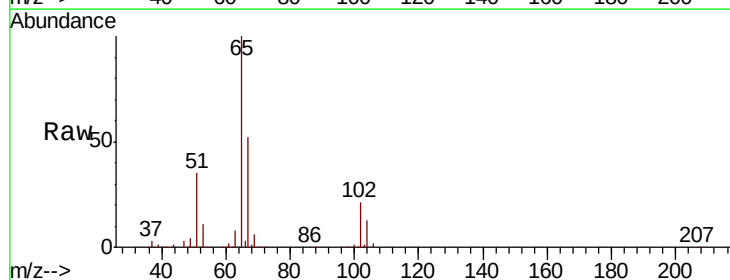


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

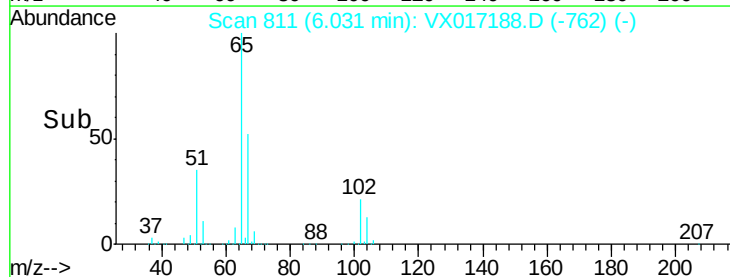
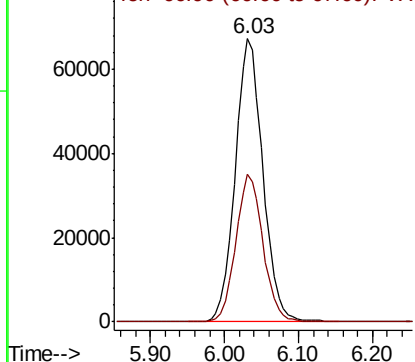


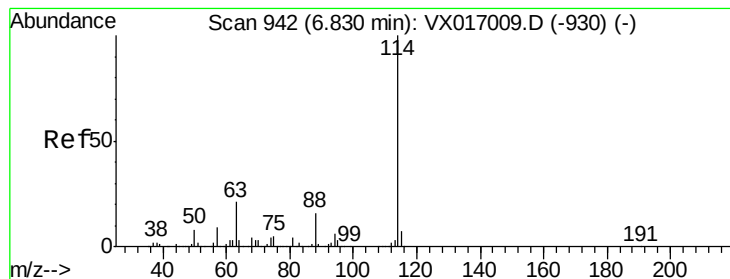
#33
1,2-Dichloroethane-d4
Concen: 51.233 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

Tgt Ion: 65 Resp: 174908
Ion Ratio Lower Upper
65 100
67 51.2 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: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

07BR-20200629

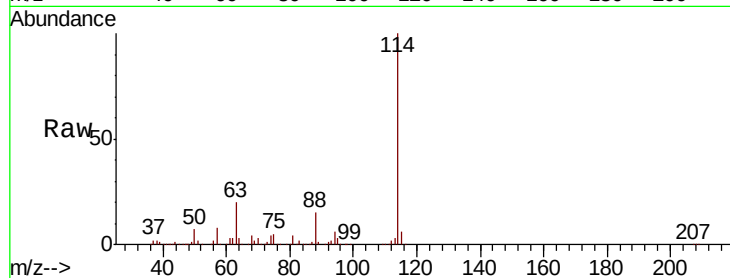
Tot Ion:114 Resp: 452406

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

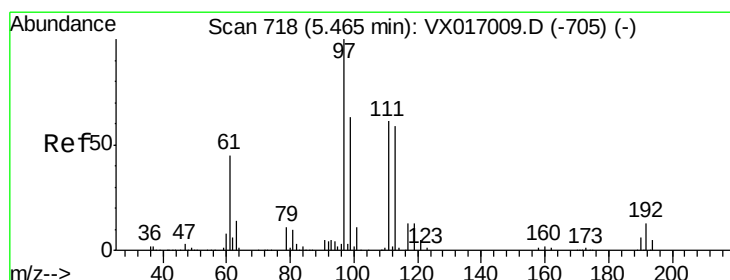
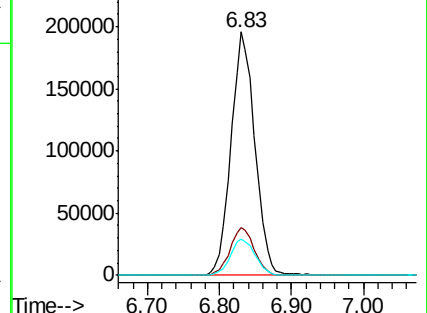
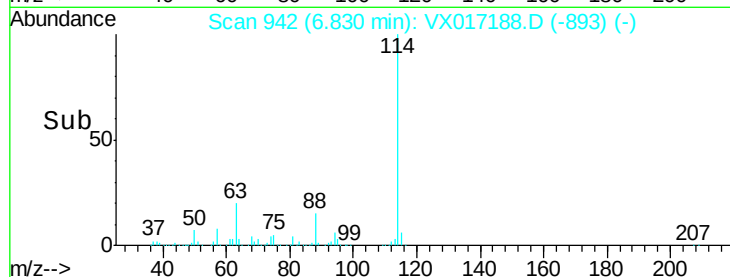
88 15.1 0.0 32.4



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: 52.362 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

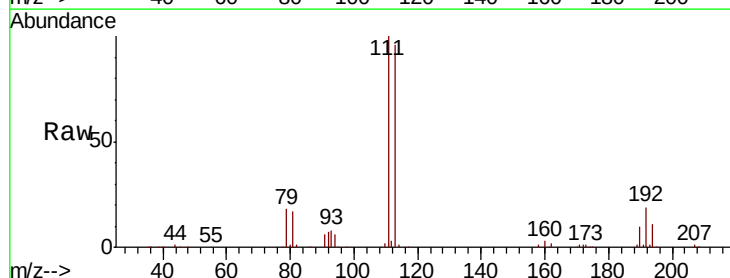
Tgt Ion:113 Resp: 149849

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

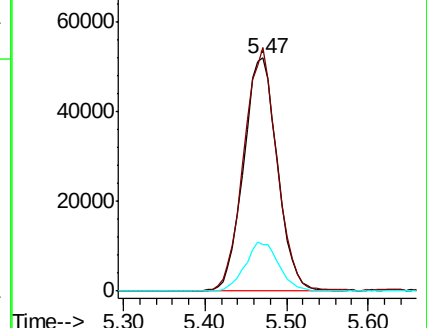
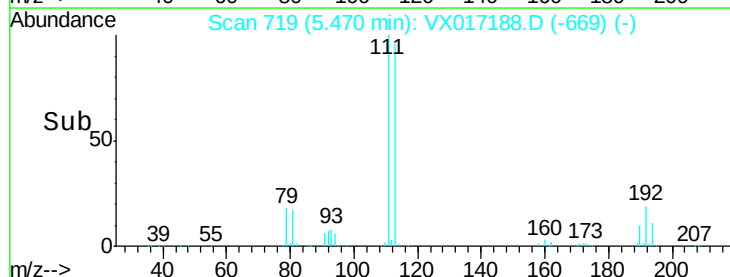
192 20.7 16.7 25.1

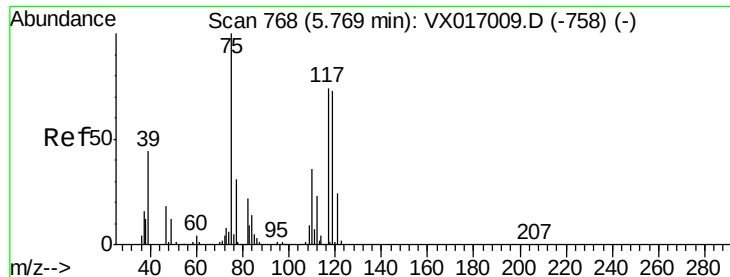


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.620 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

07BR-20200629

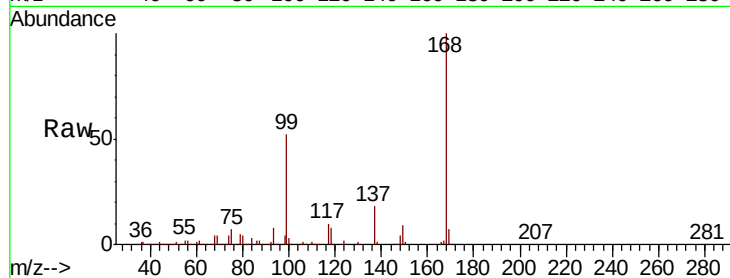
Tot Ion: 75 Resp: 19753

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

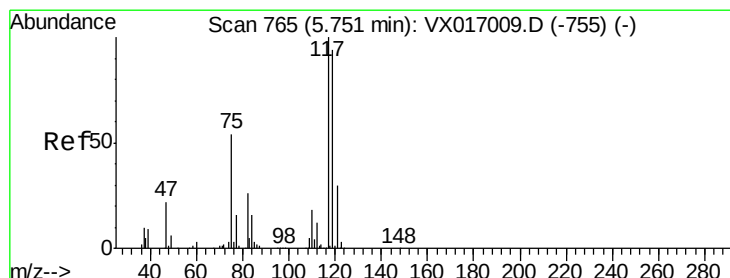
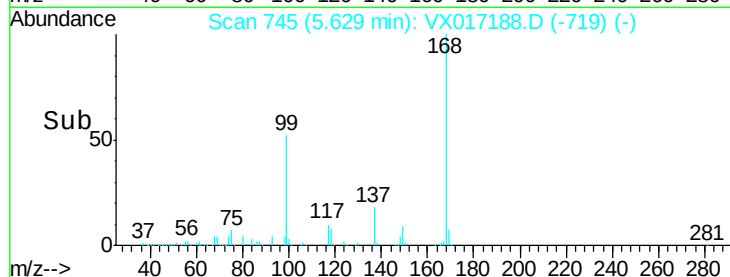
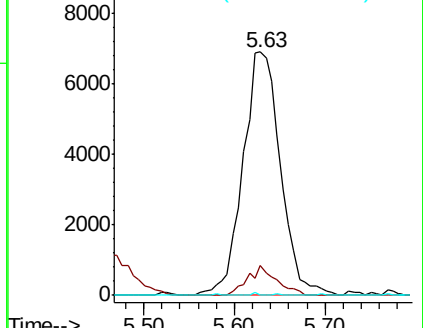
77 0.1 24.6 37.0#



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: 5.728 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

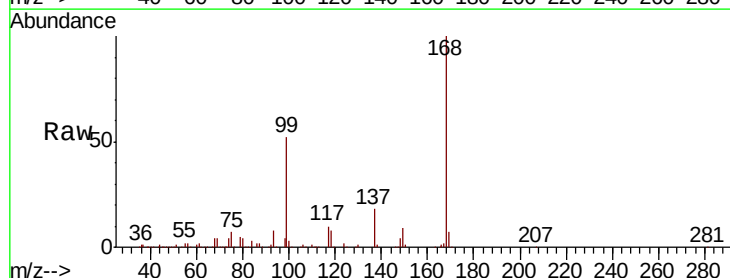
Tgt Ion:117 Resp: 26974

Ion Ratio Lower Upper

117 100

119 4.7 75.4 113.0#

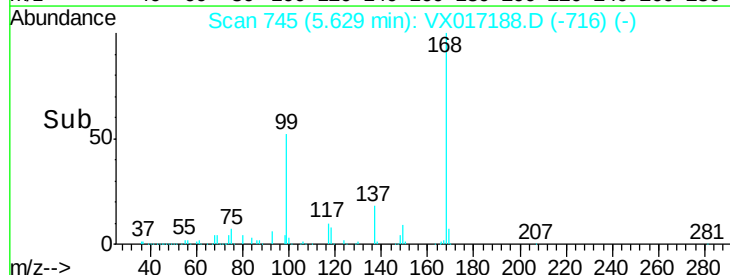
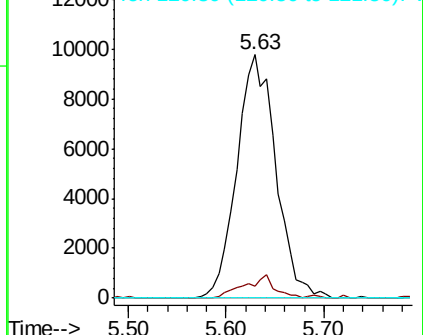
121 0.0 23.8 35.6#

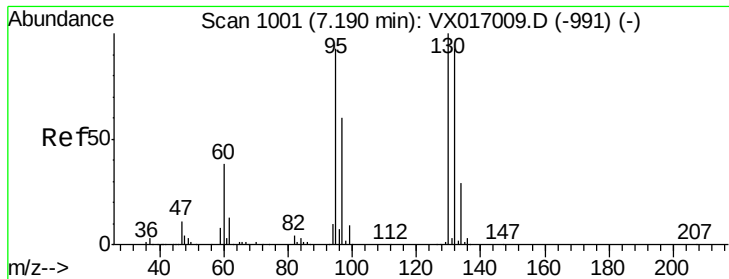


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 28.645 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

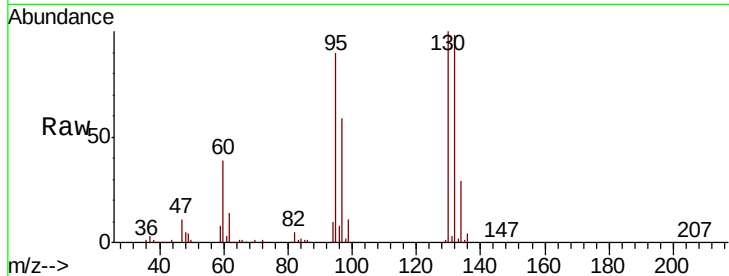
07BR-20200629

Tot Ion:130 Resp: 99762

Ion Ratio Lower Upper

130 100

95 90.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

50000

40000

30000

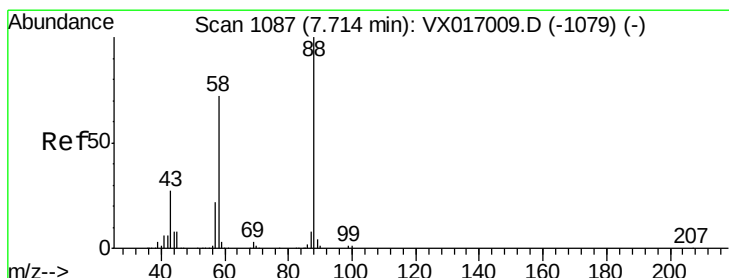
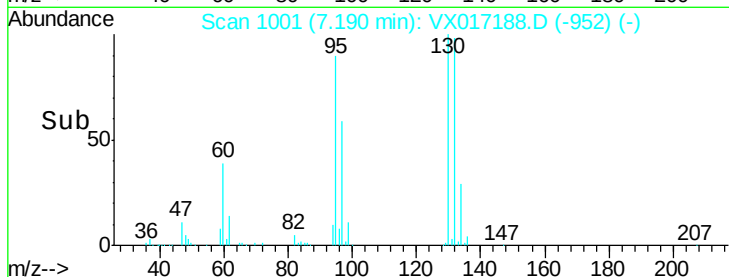
20000

10000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 0.296 ug/l

RT: 7.59 min Scan# 1067

Delta R.T. -0.12 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

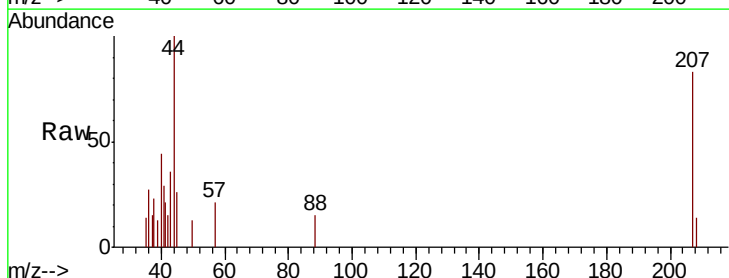
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 1317.4 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

200

150

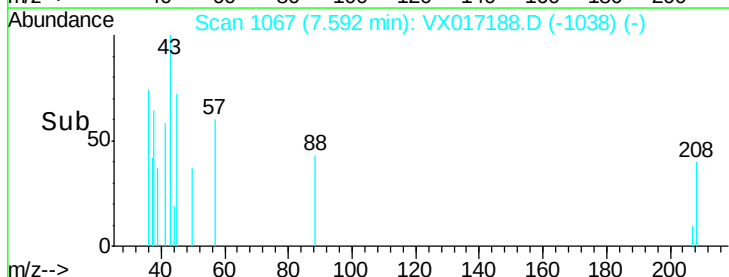
100

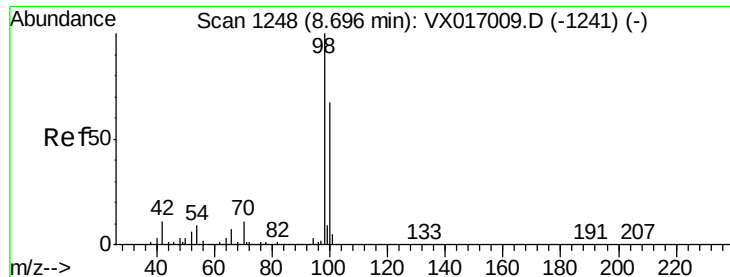
50

0

Time-->

7.58 7.59 7.60





#50

Toluene-d8

Concen: 51.786 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

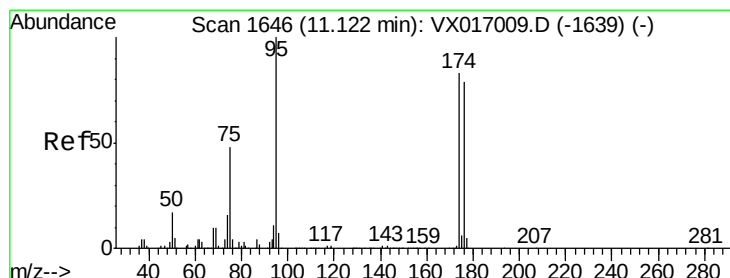
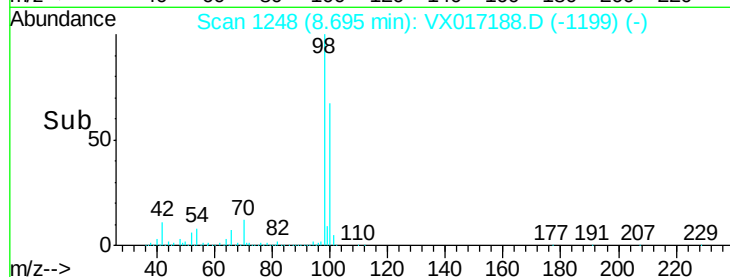
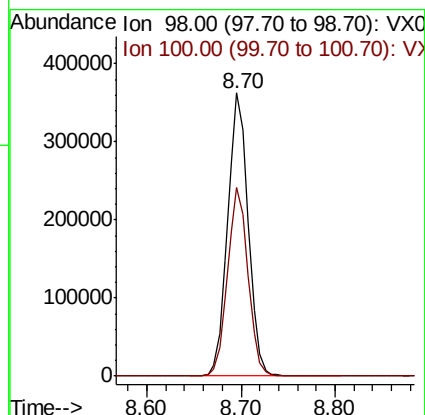
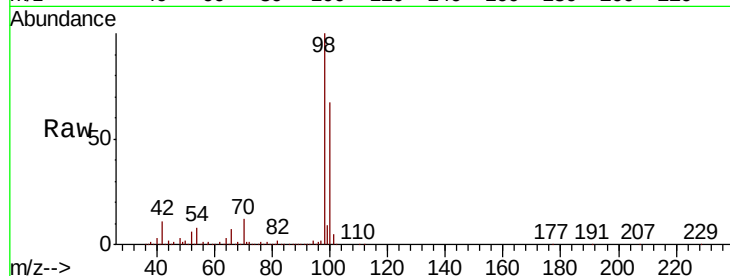
07BR-20200629

Tot Ion: 98 Resp: 548018

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 55.656 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

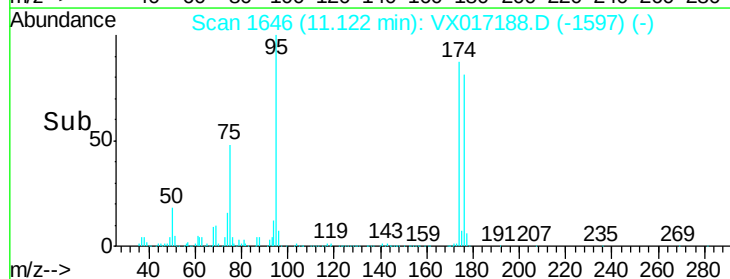
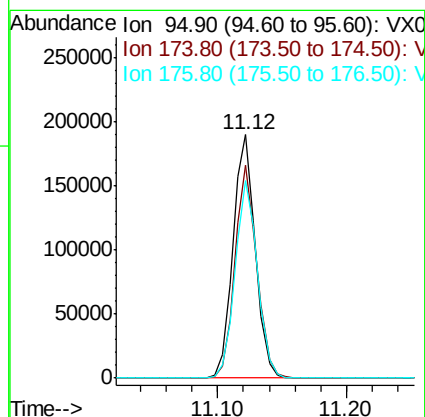
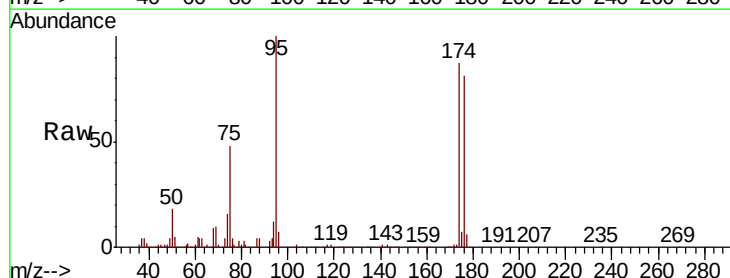
Tgt Ion: 95 Resp: 230236

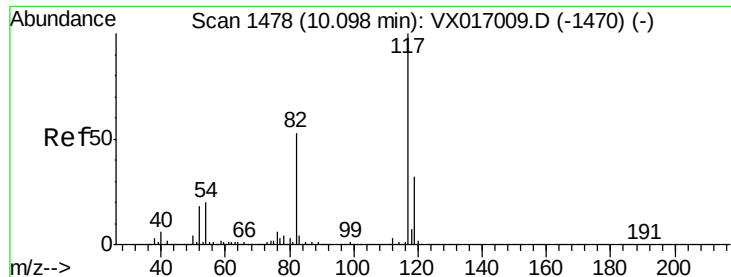
Ion Ratio Lower Upper

95 100

174 85.3 0.0 164.0

176 80.9 0.0 157.6

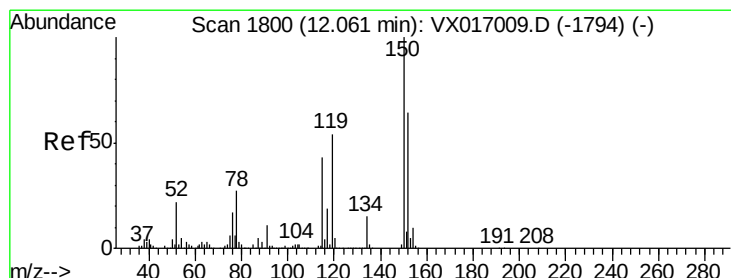
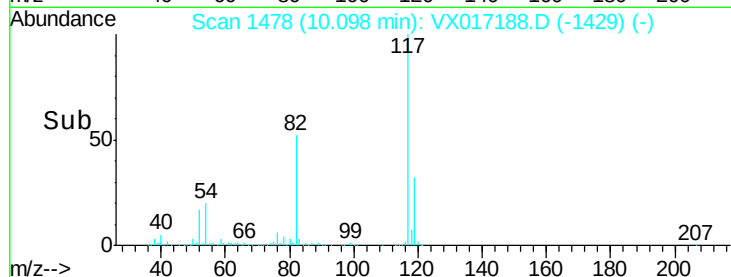
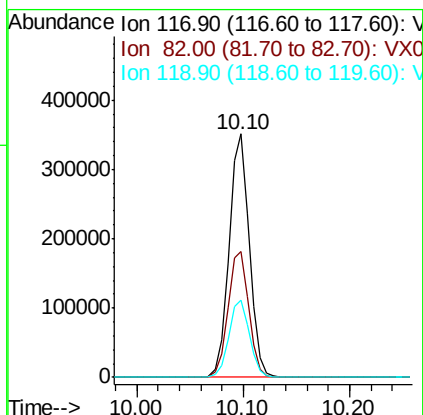
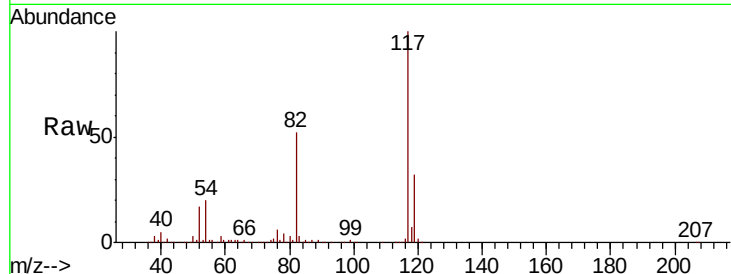




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

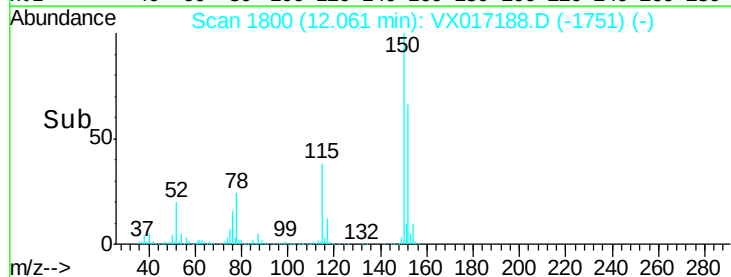
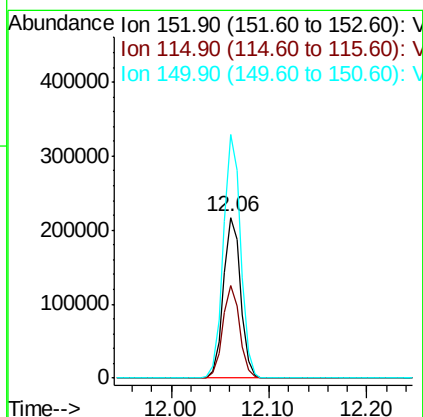
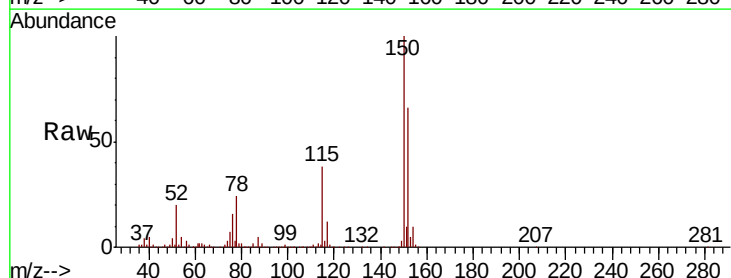
Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

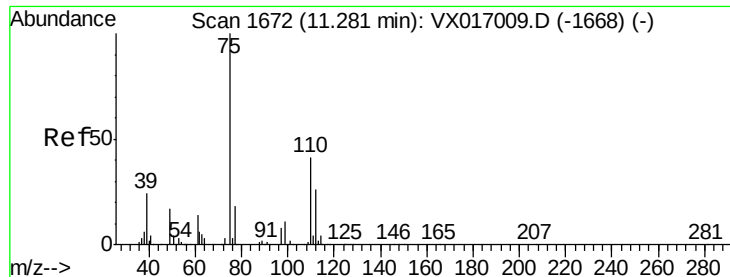
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.6	63.8
119	31.7	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017188.D
Acq: 06 Jul 2020 22:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	40.9	122.7
150	151.6	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 22.066 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

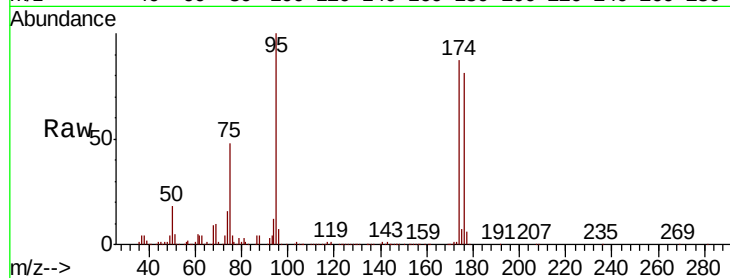
07BR-20200629

Tot Ion: 75 Resp: 114907

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

11.12

100000

80000

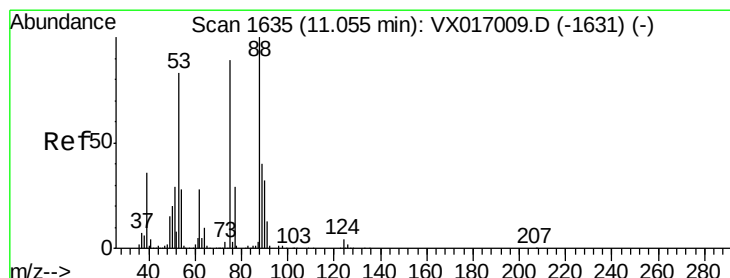
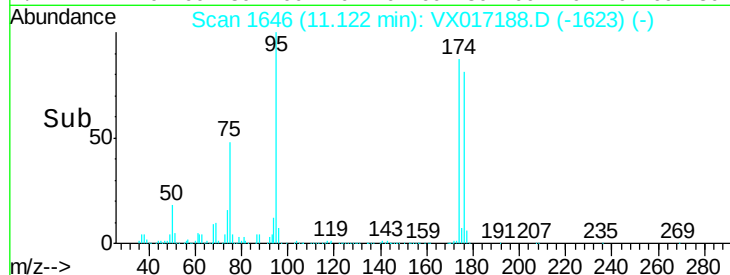
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.144 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

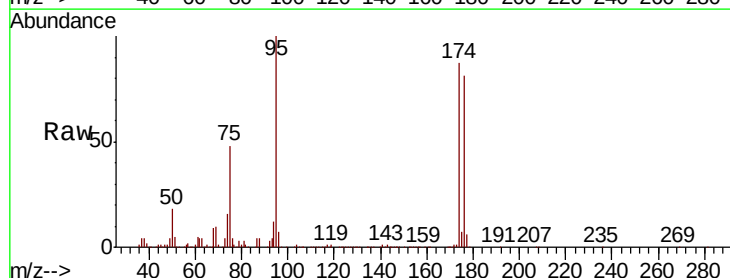
Tgt Ion: 75 Resp: 114907

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

120000

100000

80000

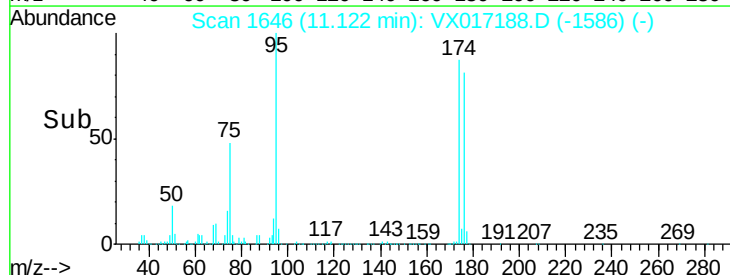
60000

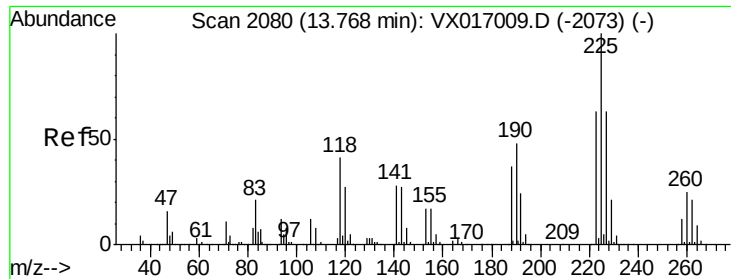
40000

20000

0

Time-->





#94

Hexachlorobutadiene

Concen: 0.856 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017188.D

Acq: 06 Jul 2020 22:52

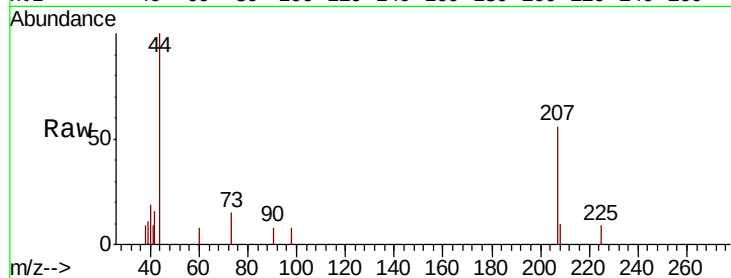
Instrument :

MSVOA_X

ClientSampleId :

07BR-20200629

Tot Ion:	225	Resp:	25
Ion Ratio	Lower	Upper	
225	100		
223	0.0	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

