

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070720\
 Data File : VX017207.D
 Acq On : 07 Jul 2020 16:38
 Operator : JC/SP
 Sample : L3159-05DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 07BR-20200629

Quant Time: Jul 08 01:54:03 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

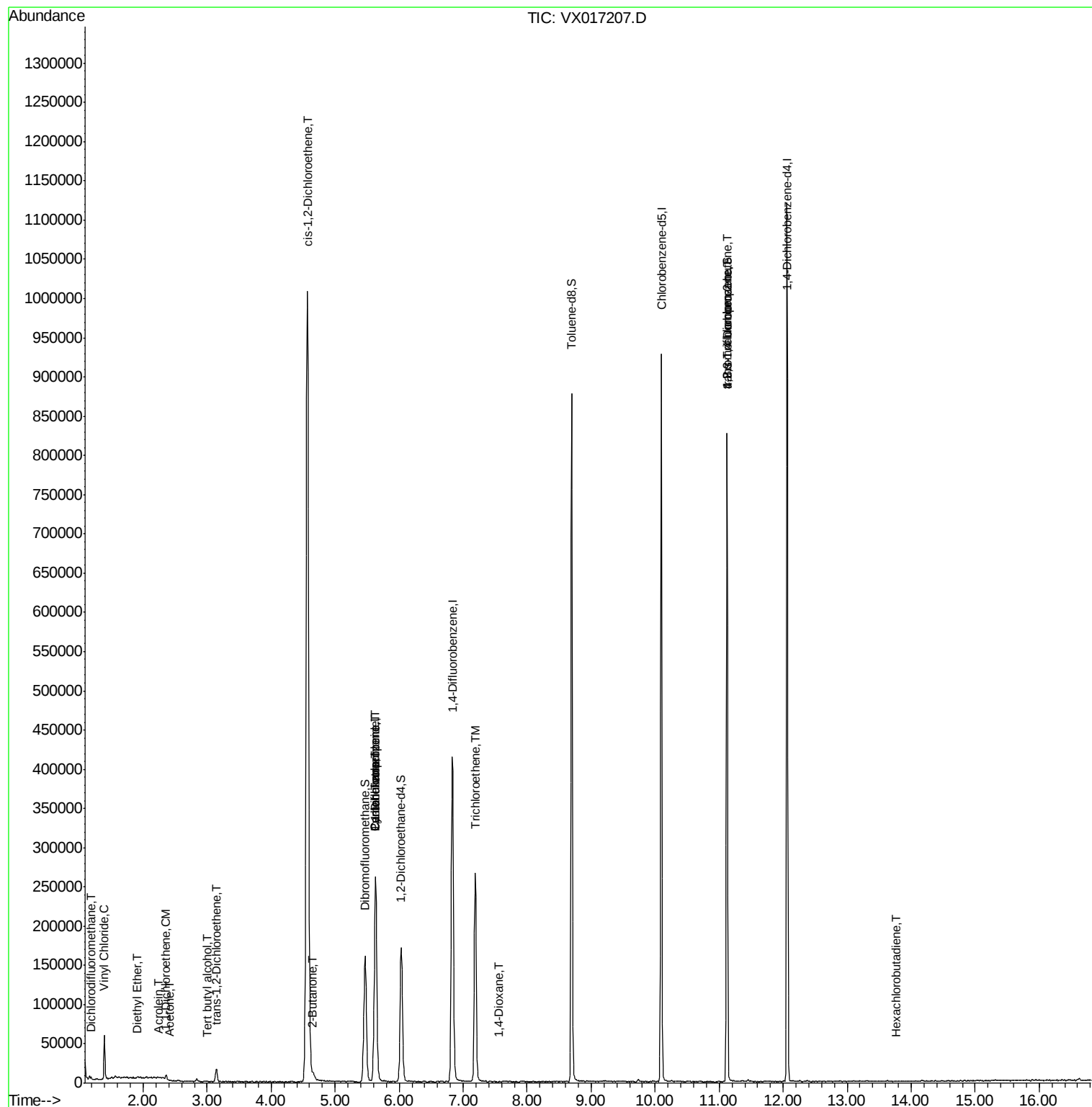
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	253985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	421002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230899	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	163746	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
35) Dibromofluoromethane	5.47	113	140348	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
50) Toluene-d8	8.70	98	507020	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.12	95	204956	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	1822	0.742	ug/l	92
4) Vinyl Chloride	1.39	62	33842	12.264	ug/l	98
8) Diethyl Ether	1.90	74	139	0.466	ug/l	78
11) Tert butyl alcohol	3.01	59	296	0.496	ug/l #	67
12) 1,1-Dichloroethene	2.35	96	2465	0.981	ug/l #	43
13) Acrolein	2.24	56	293	0.821	ug/l #	15
16) Acetone	2.42	43	1104	0.943	ug/l #	68
20) Methylene Chloride	2.84	84	1449	Below Cal	#	68
21) trans-1,2-Dichloroethene	3.14	96	6930	2.485	ug/l	97
25) 2-Butanone	4.65	43	740	0.379	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	659076	208.591	ug/l	90
31) Cyclohexane	5.64	56	4853	1.148	ug/l #	13
36) 1,1-Dichloropropene	5.62	75	19180	4.820	ug/l #	51
38) Carbon Tetrachloride	5.64	117	25491	5.816	ug/l #	17
44) Trichloroethene	7.19	130	104109	32.160	ug/l	97
49) 1,4-Dioxane	7.55	88	44	0.609	ug/l #	68
76) 1,2,3-Trichloropropane	11.12	75	101704	22.399	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	101704	58.006	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	301	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	21	0.855	ug/l #	17

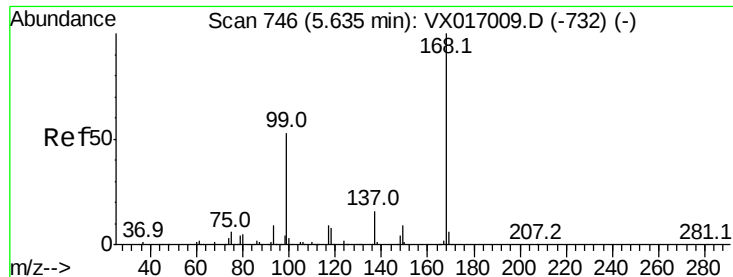
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070720\
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Quant Time: Jul 08 01:54:03 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: VX017207.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

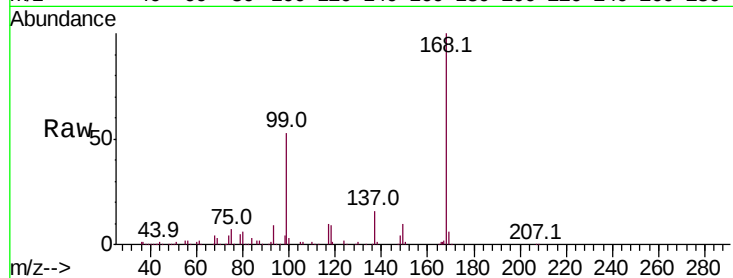
07BR-20200629

Tot Ion:168 Resp: 253985

Ion Ratio Lower Upper

168 100

99 53.2 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

80000

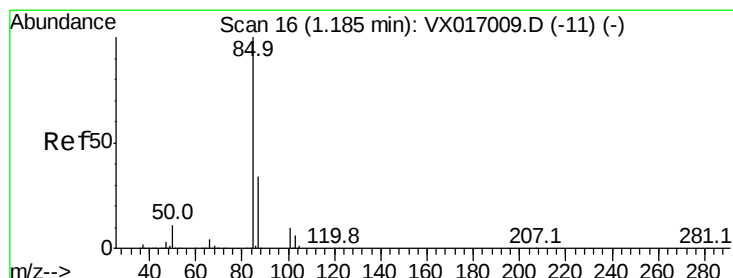
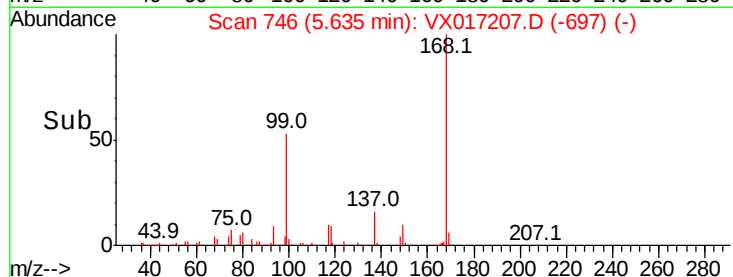
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.742 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017207.D

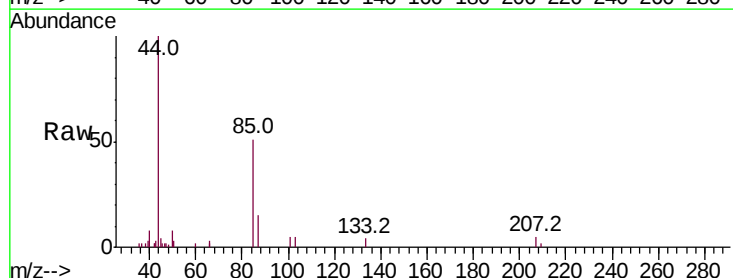
Acq: 07 Jul 2020 16:38

Tgt Ion: 85 Resp: 1822

Ion Ratio Lower Upper

85 100

87 29.1 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

2000

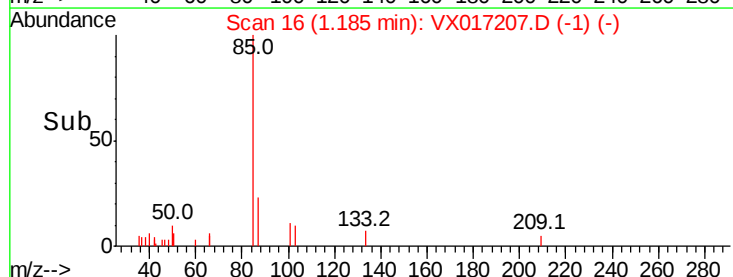
1500

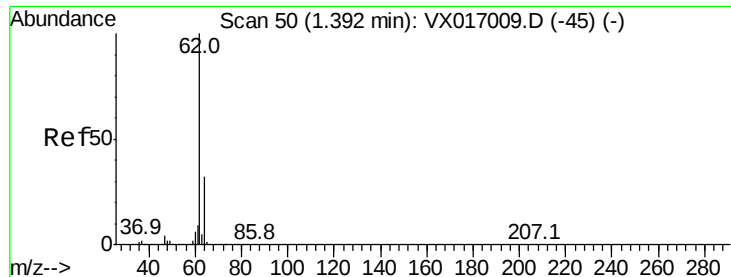
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 12.264 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

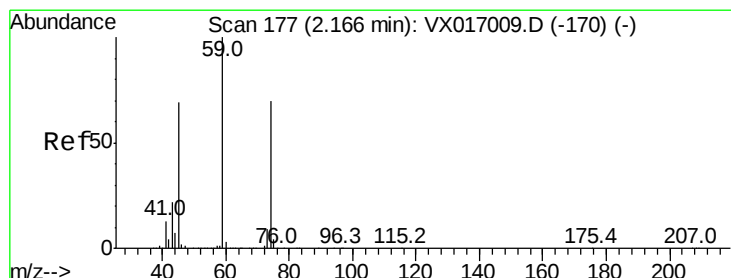
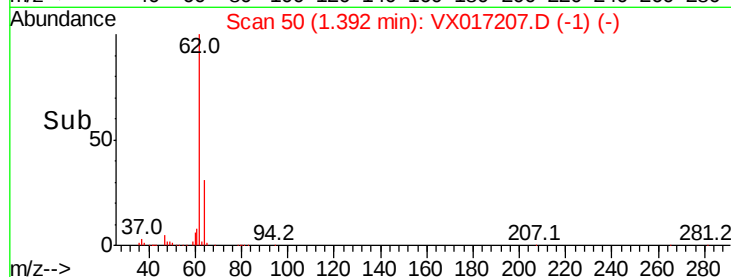
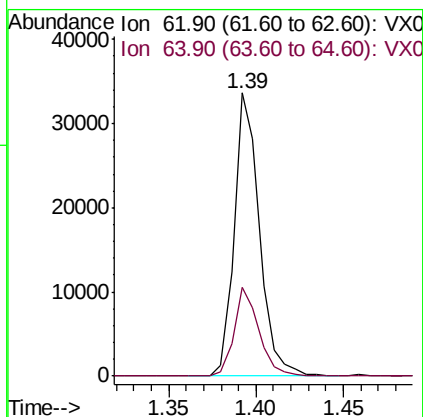
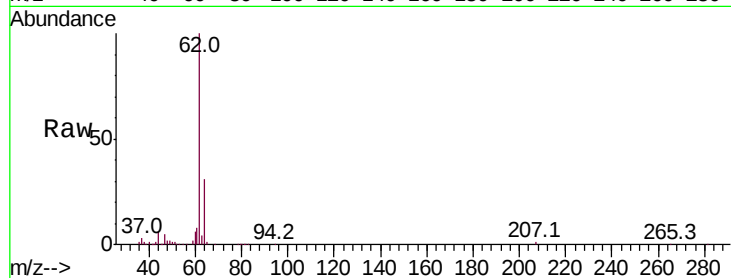
07BR-20200629

Tot Ion: 62 Resp: 33842

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9



#8

Diethyl Ether

Concen: 0.466 ug/l

RT: 1.90 min Scan# 133

Delta R.T. -0.27 min

Lab File: VX017207.D

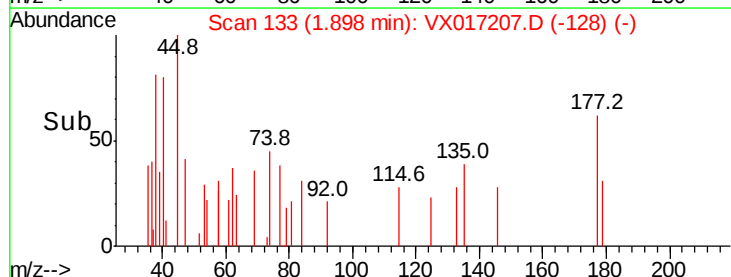
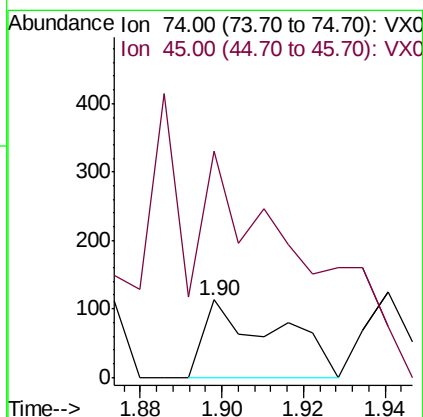
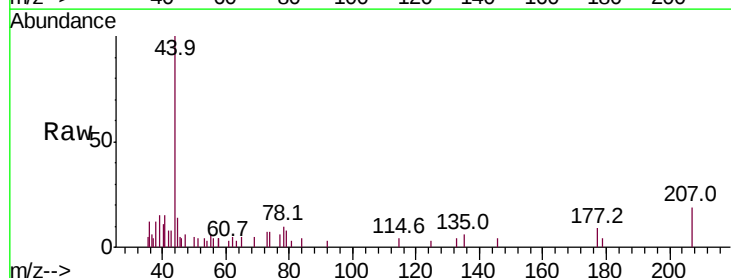
Acq: 07 Jul 2020 16:38

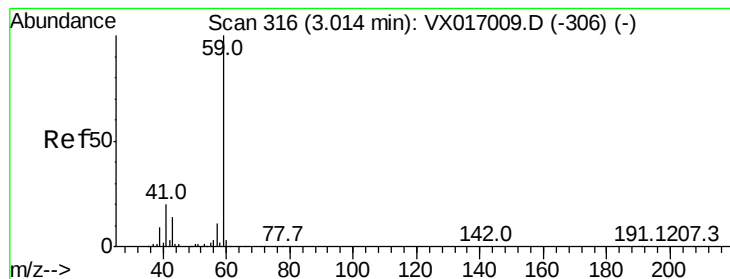
Tgt Ion: 74 Resp: 139

Ion Ratio Lower Upper

74 100

45 77.7 49.8 149.3



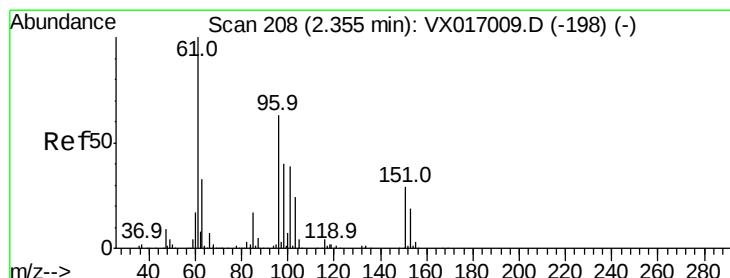
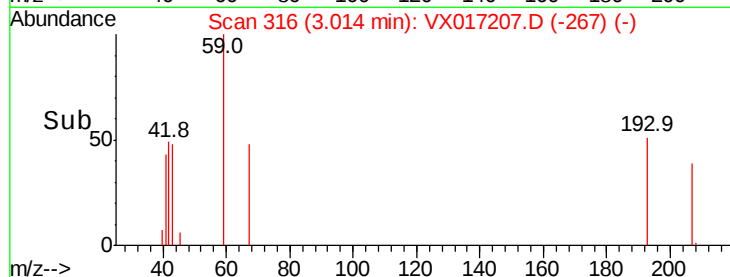
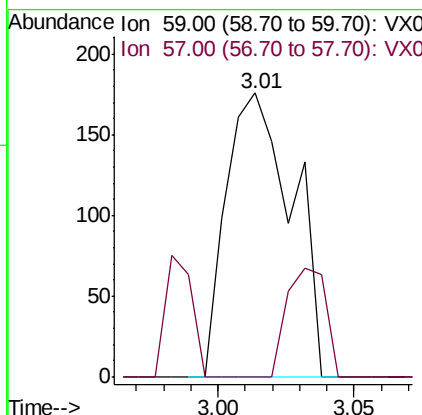
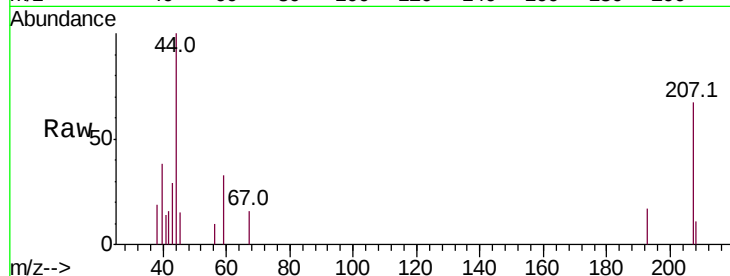


#11

Tert butyl alcohol
Concen: 0.496 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

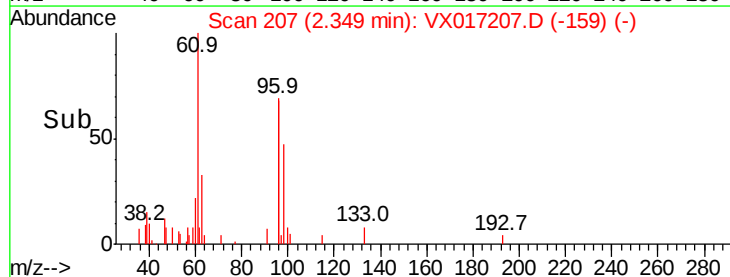
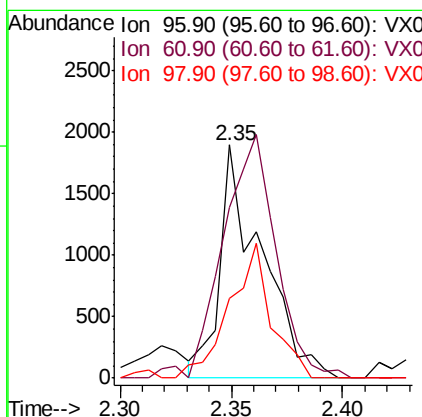
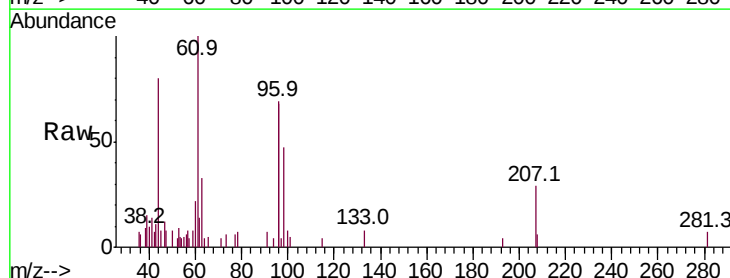
Tot Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 22.6 8.2 12.2#

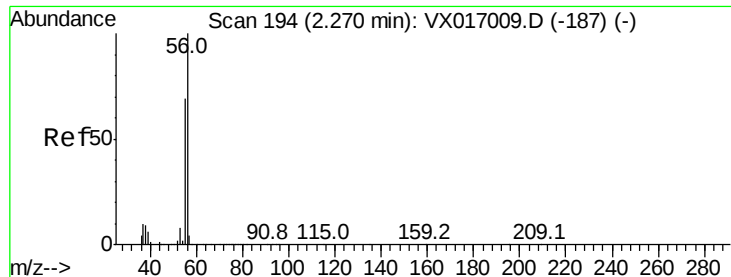


#12

1,1-Dichloroethene
Concen: 0.981 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

Tgt Ion: 96 Resp: 2465
Ion Ratio Lower Upper
96 100
61 73.3 126.3 189.5#
98 34.2 51.0 76.6#

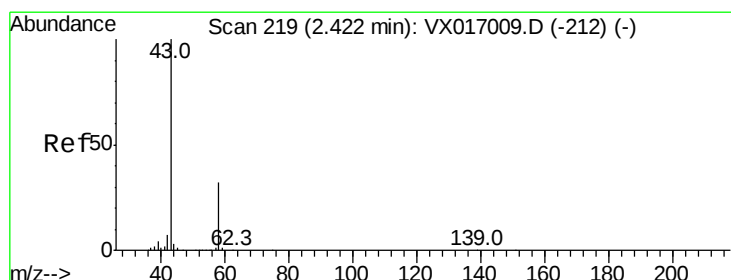
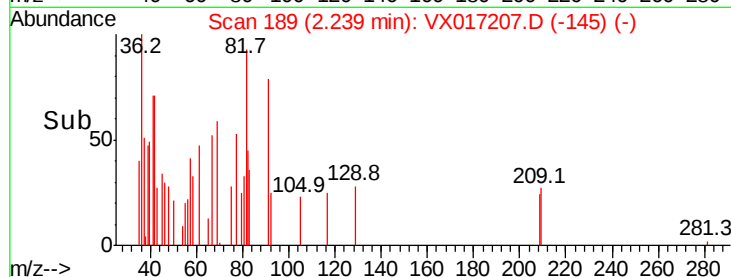
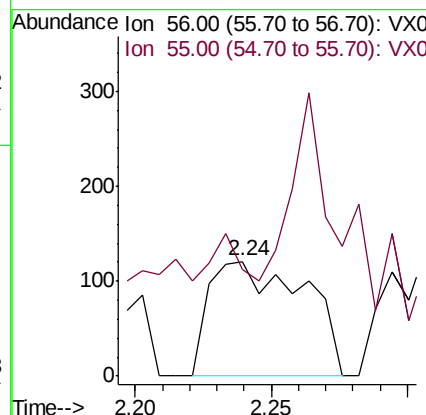
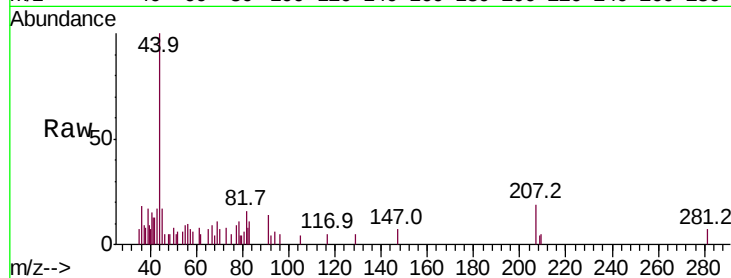




#13
Acrolein
Concen: 0.821 ug/l
RT: 2.24 min Scan# 189
Delta R.T. -0.03 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

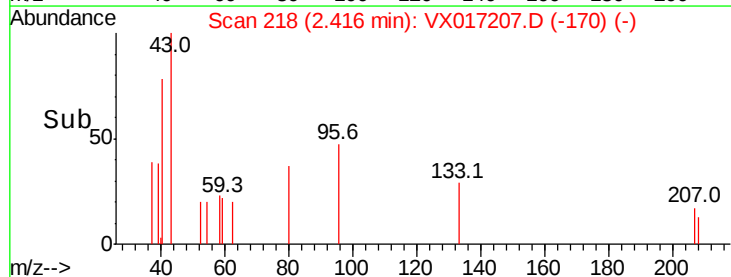
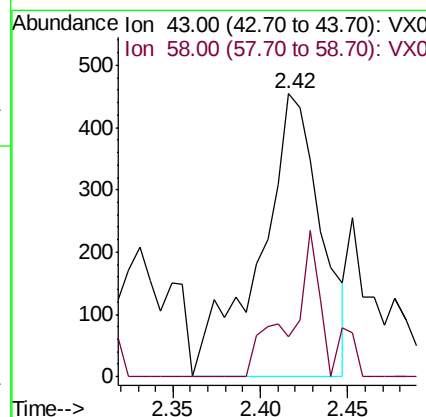
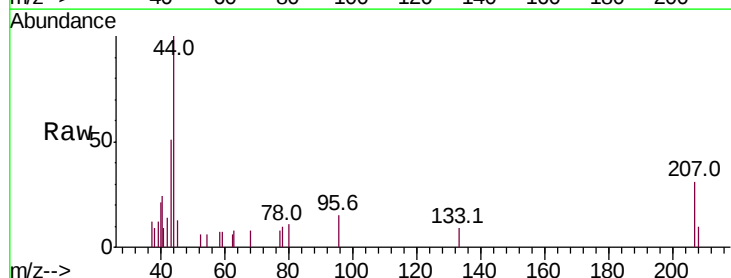
Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

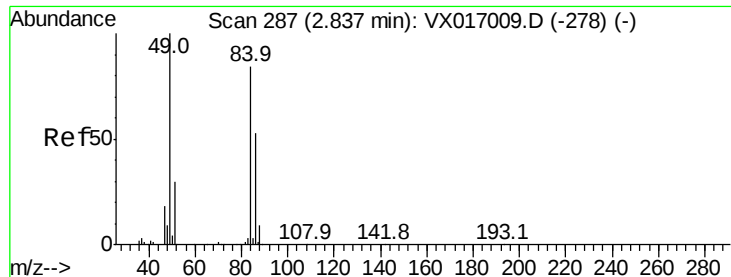
Tot Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 0.943 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 14.1 25.7 38.5#

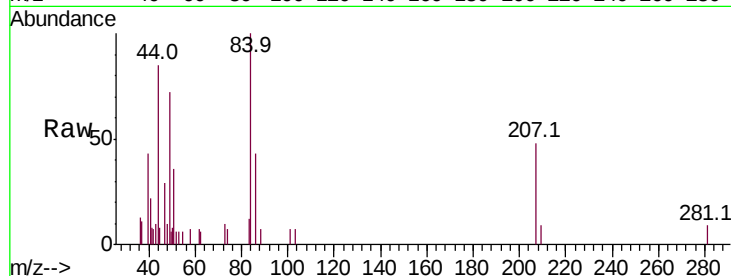




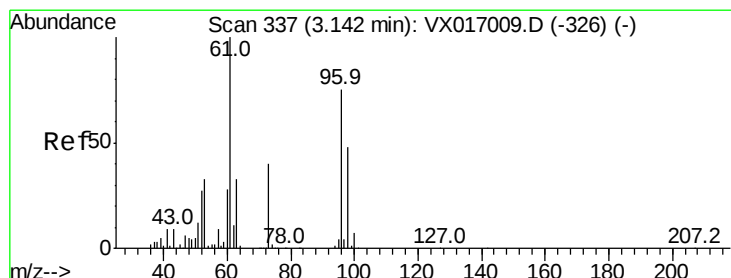
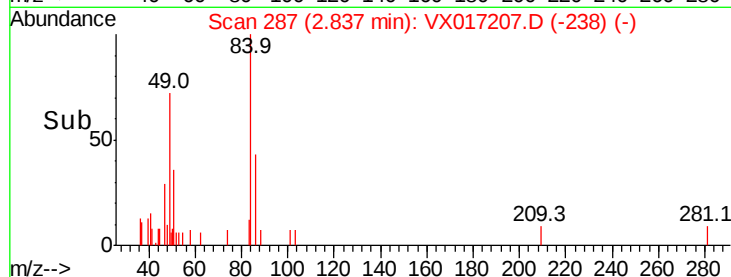
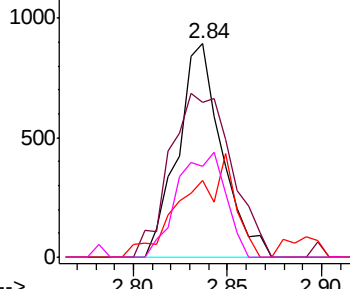
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

Tot Ion: 84 Resp: 1449
Ion Ratio Lower Upper
84 100
49 72.2 94.7 142.1#
51 30.2 28.6 42.8
86 42.6 50.5 75.7#

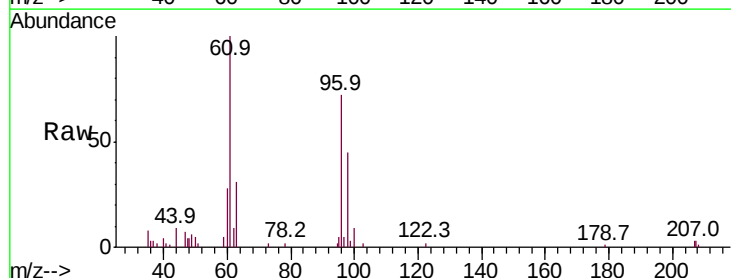


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

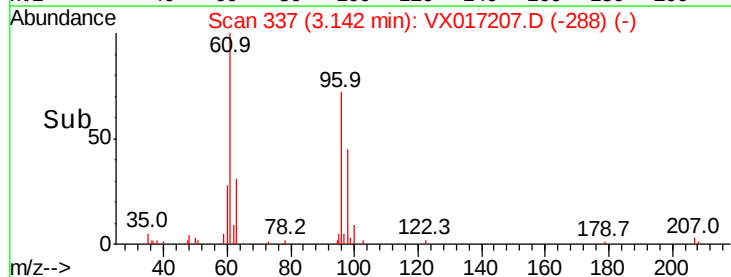
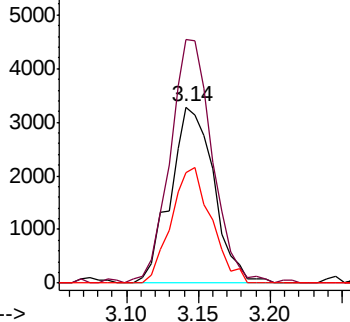


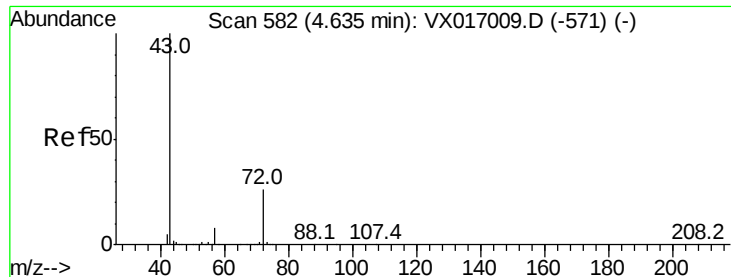
#21
trans-1,2-Dichloroethene
Concen: 2.485 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

Tgt Ion: 96 Resp: 6930
Ion Ratio Lower Upper
96 100
61 136.8 107.0 160.6
98 62.5 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: 0.379 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

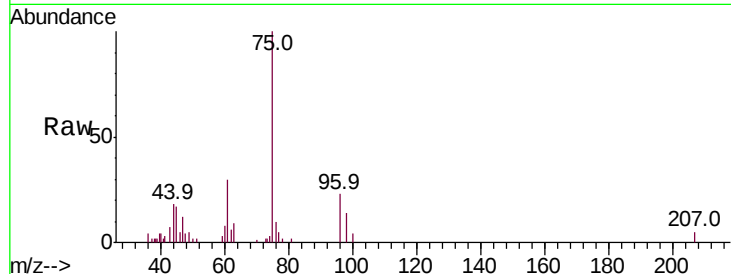
07BR-20200629

Tot Ion: 43 Resp: 740

Ion Ratio Lower Upper

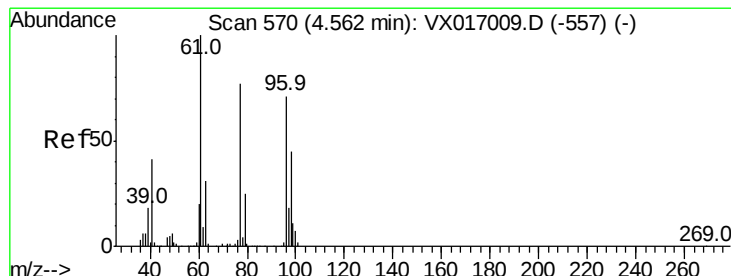
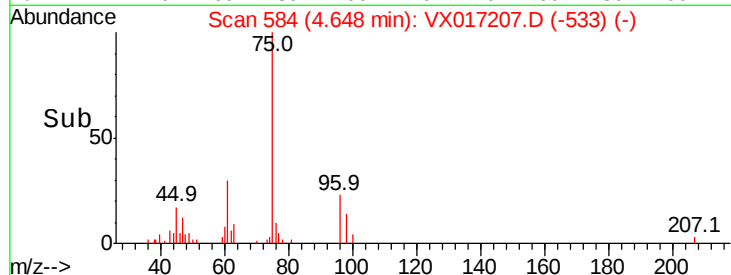
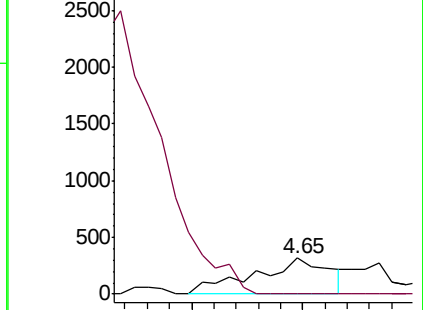
43 100

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: 208.591 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

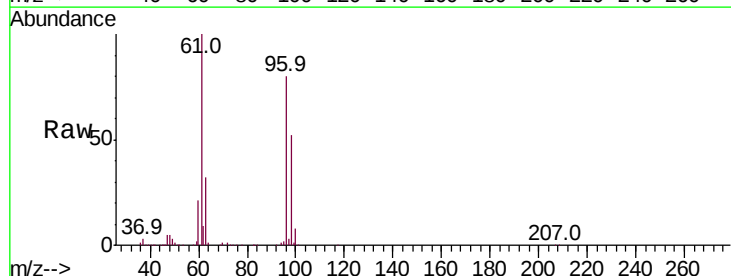
Tgt Ion: 96 Resp: 659076

Ion Ratio Lower Upper

96 100

61 123.7 0.0 282.8

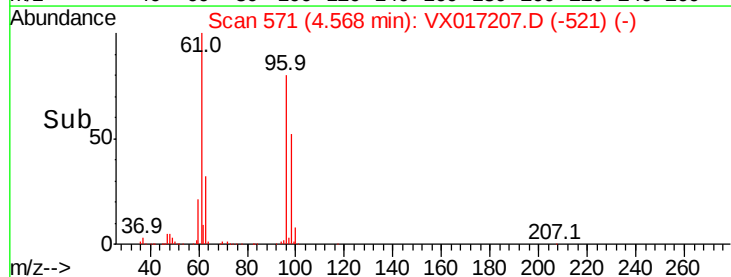
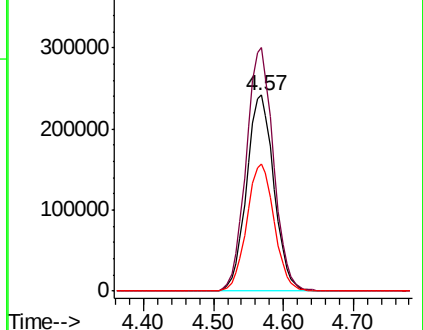
98 65.0 0.0 127.6

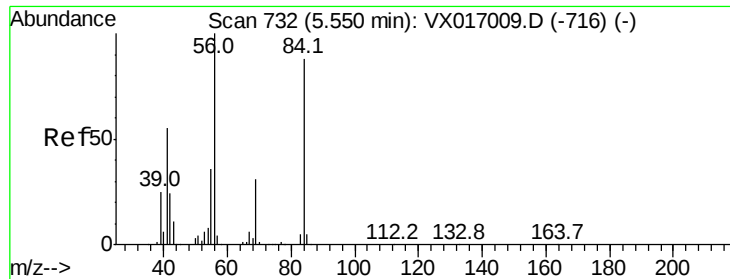


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

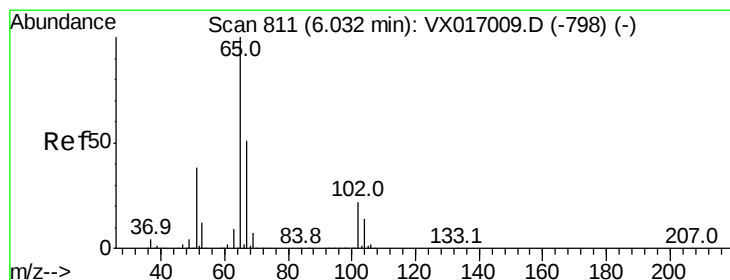
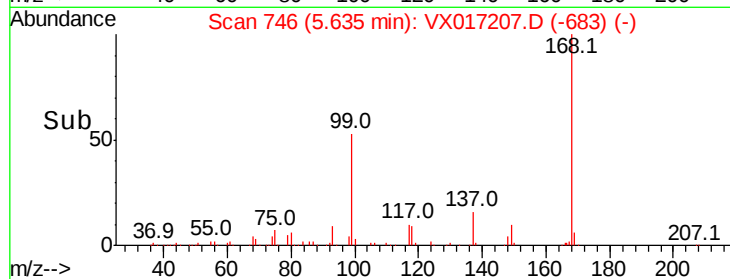
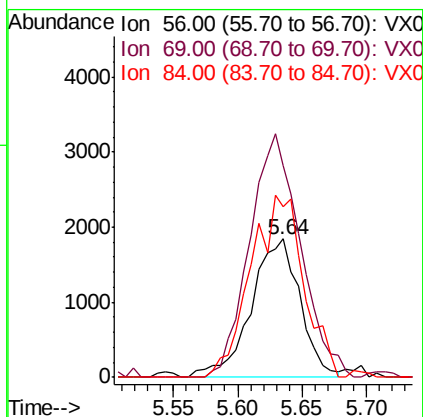
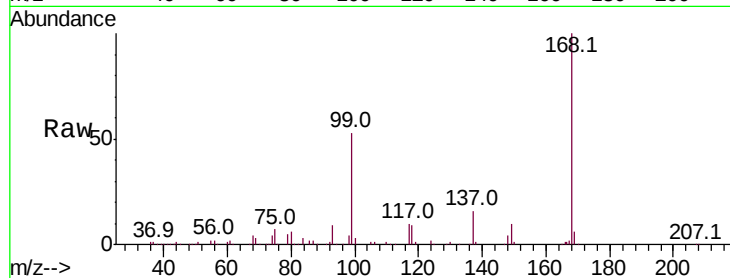




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

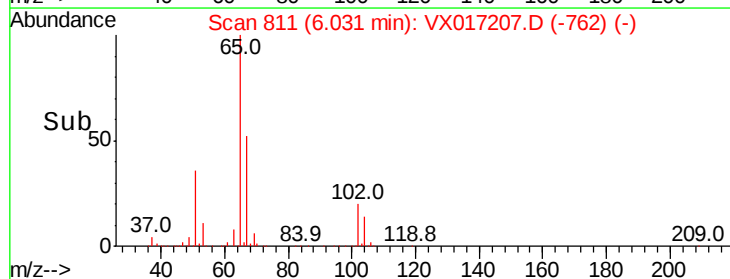
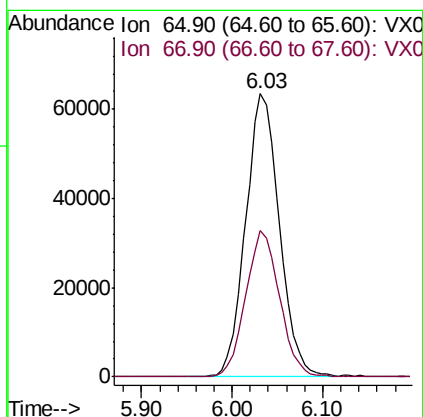
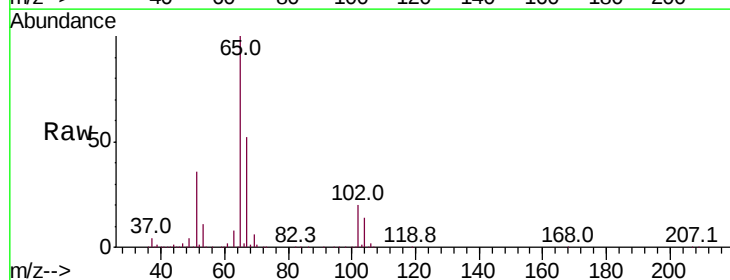
Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

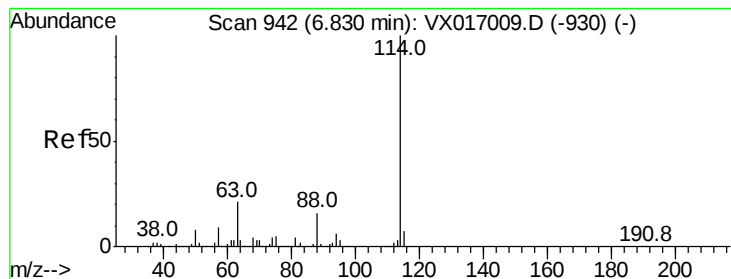
Tot Ion: 56 Resp: 4853
Ion Ratio Lower Upper
56 100
69 152.5 25.0 37.4#
84 122.9 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 52.296 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

Tgt Ion: 65 Resp: 163746
Ion Ratio Lower Upper
65 100
67 52.0 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: VX017207.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

07BR-20200629

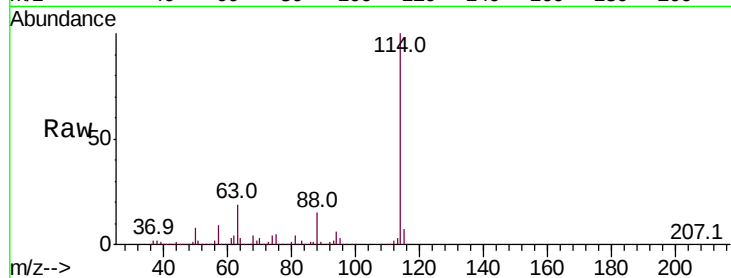
Tot Ion:114 Resp: 421002

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

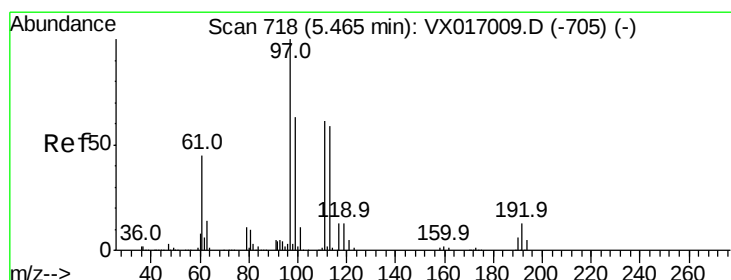
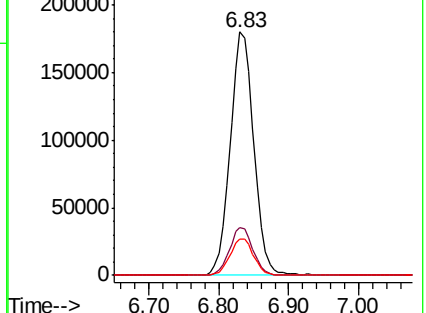
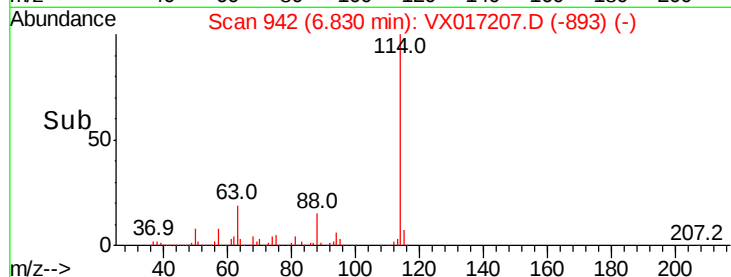
88 14.8 0.0 32.4



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: 52.700 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

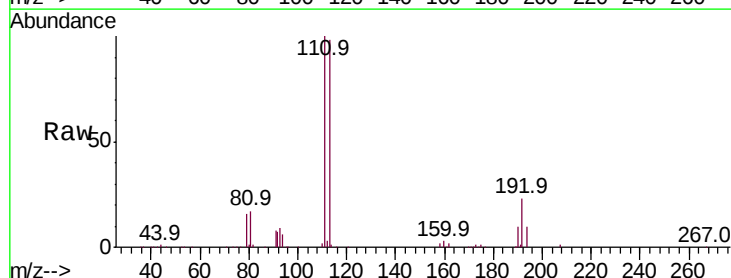
Tgt Ion:113 Resp: 140348

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

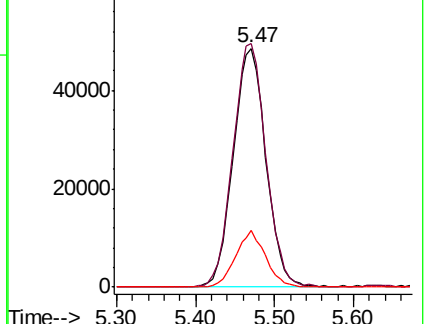
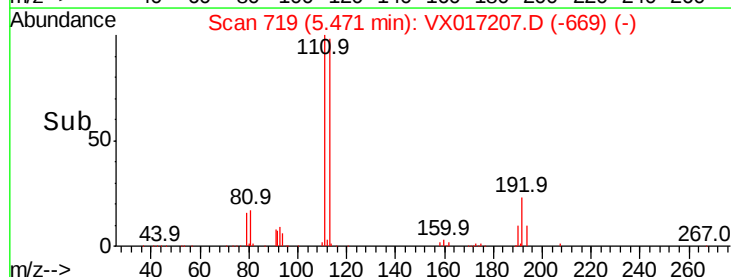
192 21.6 16.7 25.1

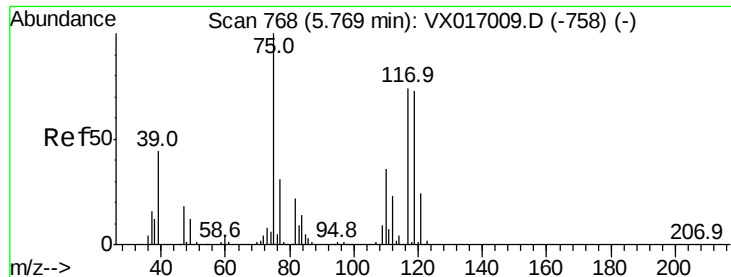


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

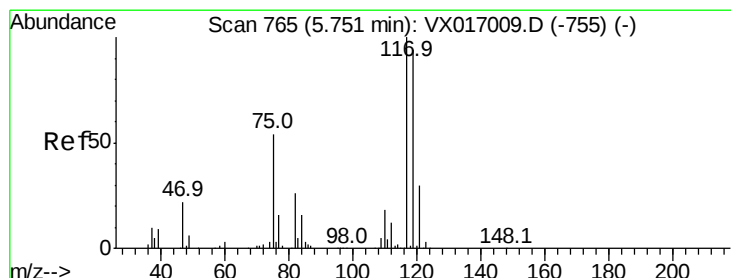
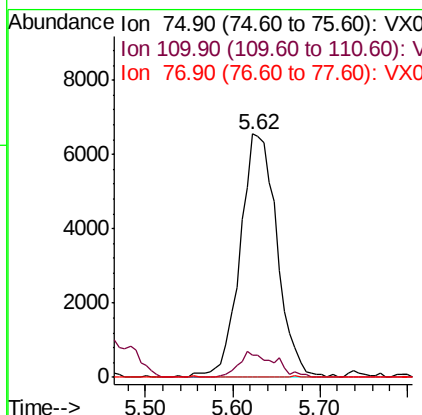
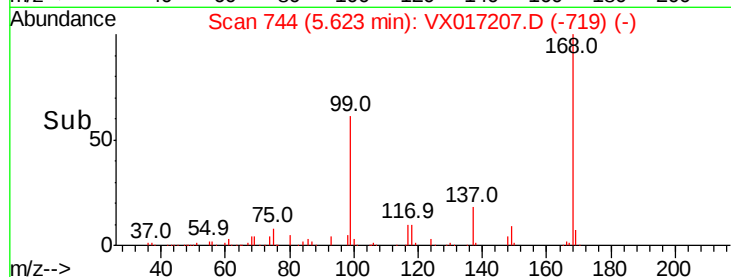
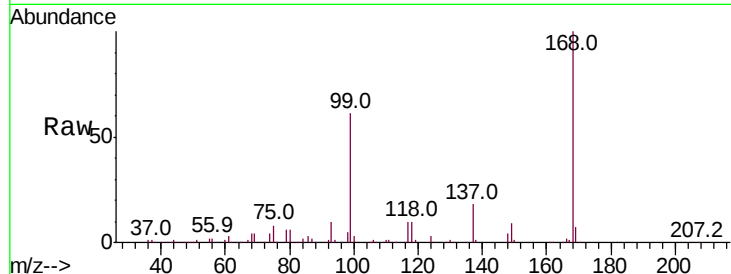




#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017207.D
 Acq: 07 Jul 2020 16:38

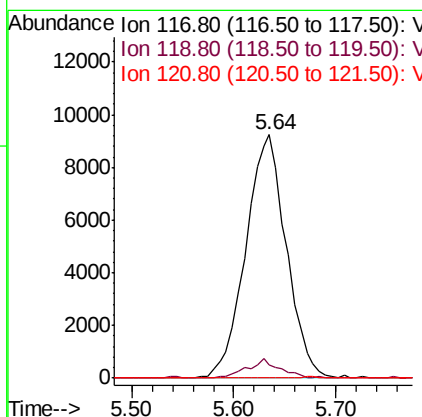
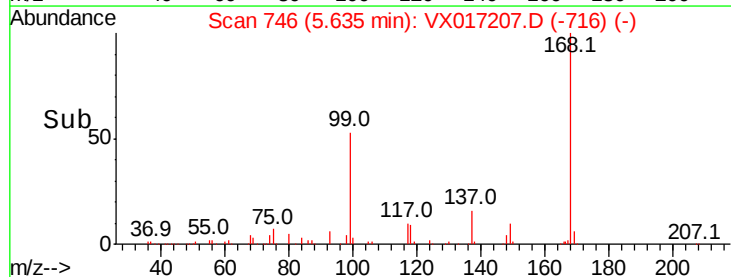
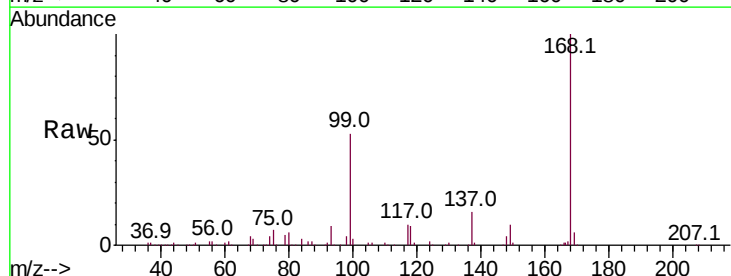
Instrument :
 MSVOA_X
 ClientSampleId :
 07BR-20200629

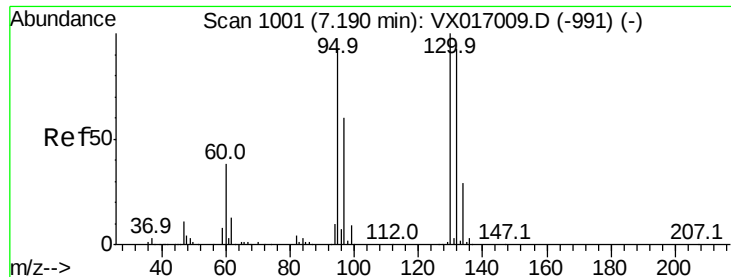
Tot Ion: 75 Resp: 19180
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.816 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017207.D
 Acq: 07 Jul 2020 16:38

Tgt Ion: 117 Resp: 25491
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.4 113.0#
 121 0.0 23.8 35.6#

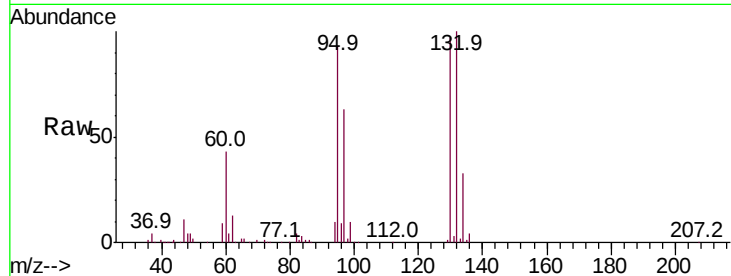




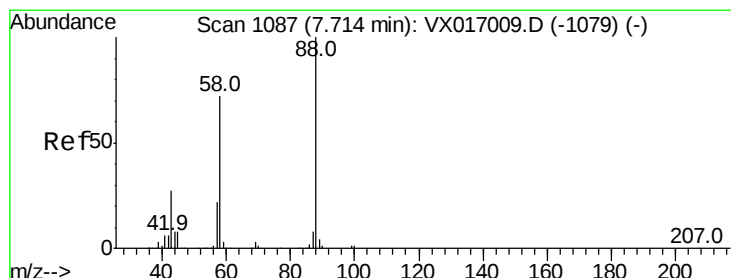
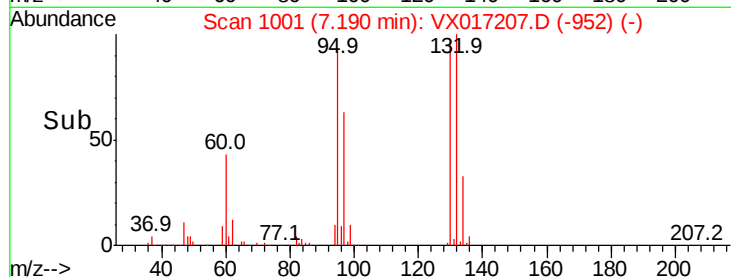
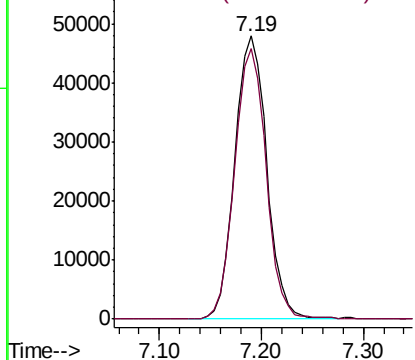
#44
 Trichloroethene
 Concen: 32.160 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017207.D
 Acq: 07 Jul 2020 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 07BR-20200629

Tot Ion:130 Resp: 104109
 Ion Ratio Lower Upper
 130 100
 95 95.6 0.0 185.0

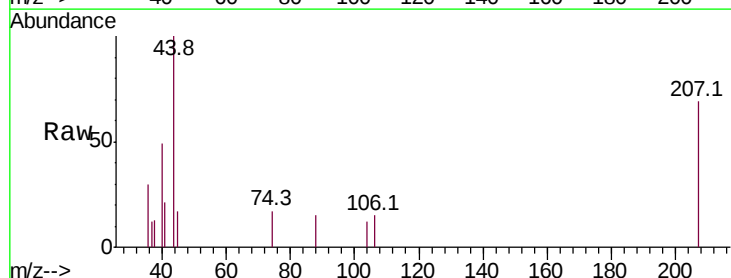


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

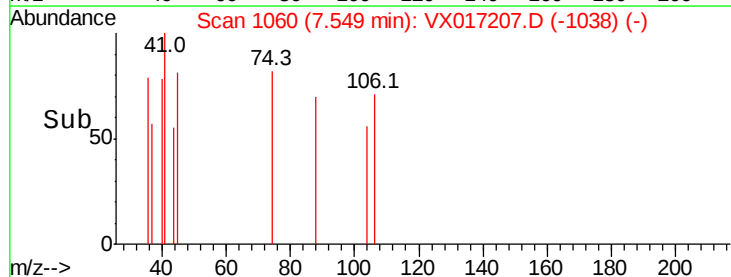
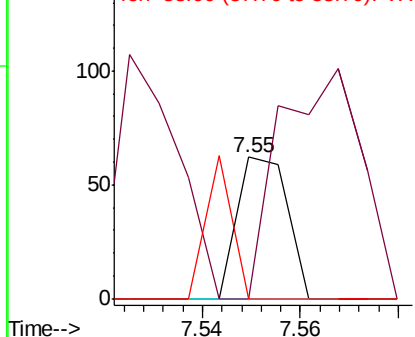


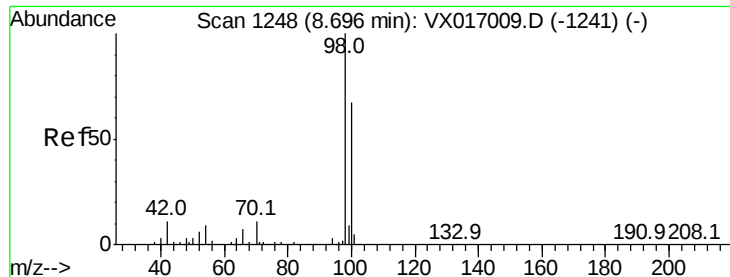
#49
 1,4-Dioxane
 Concen: 0.609 ug/l
 RT: 7.55 min Scan# 1060
 Delta R.T. -0.16 min
 Lab File: VX017207.D
 Acq: 07 Jul 2020 16:38

Tgt Ion: 88 Resp: 44
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.8 38.8#
 58 52.3 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: 51.486 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

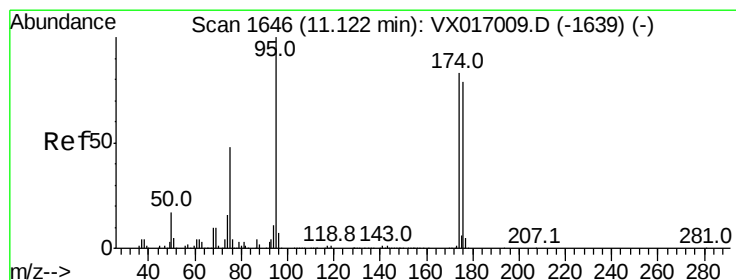
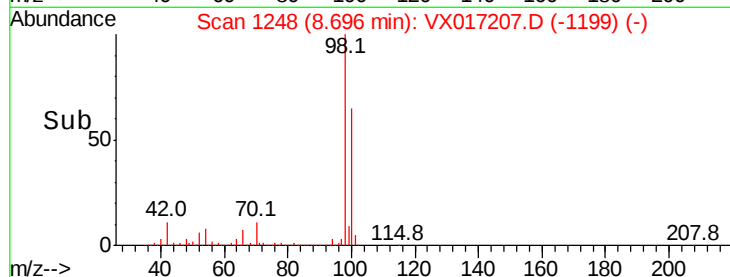
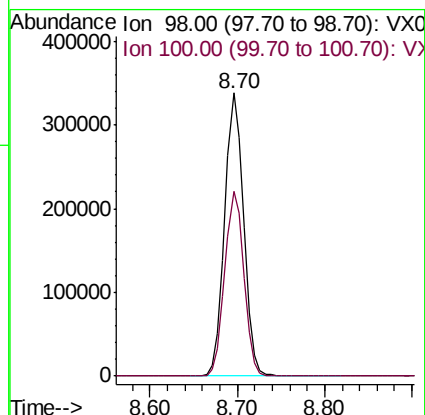
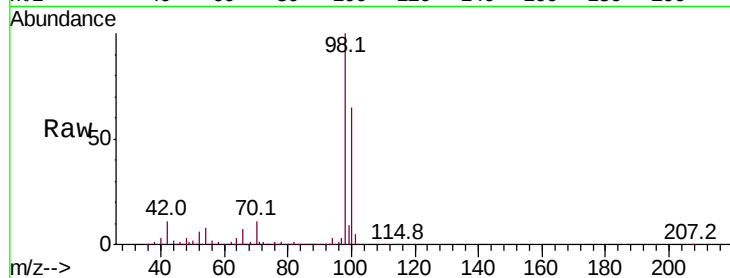
07BR-20200629

Tot Ion: 98 Resp: 507020

Ion Ratio Lower Upper

98 100

100 66.0 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 53.241 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

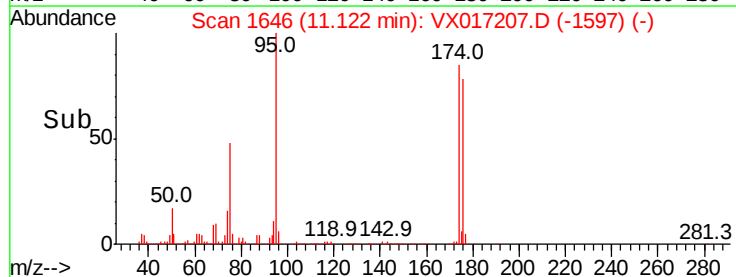
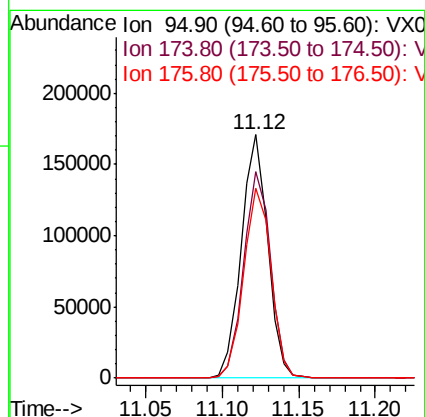
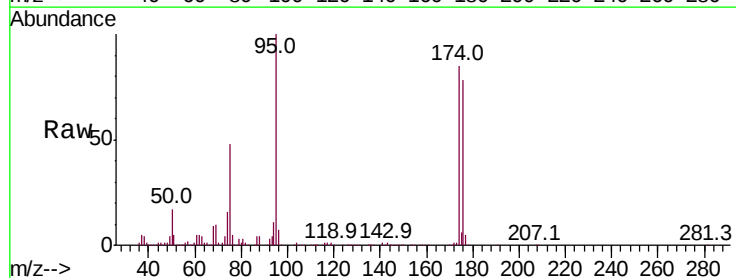
Tgt Ion: 95 Resp: 204956

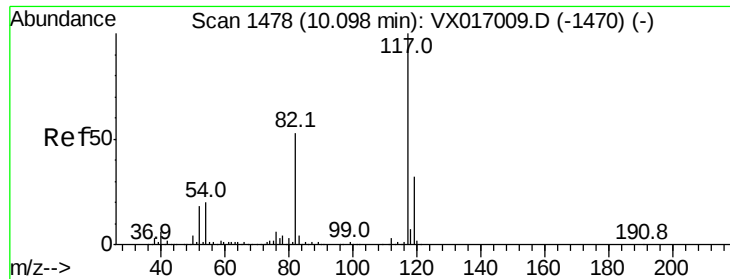
Ion Ratio Lower Upper

95 100

174 86.3 0.0 164.0

176 80.7 0.0 157.6

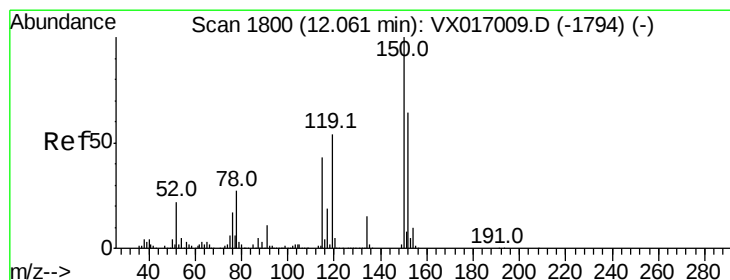
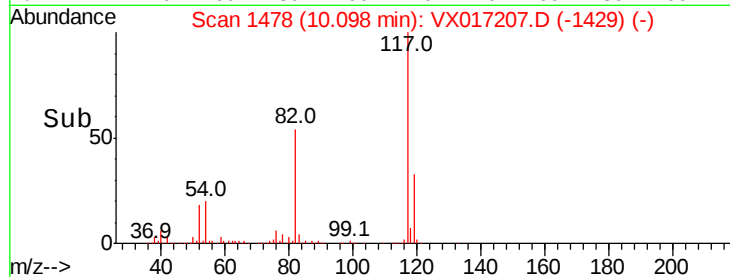
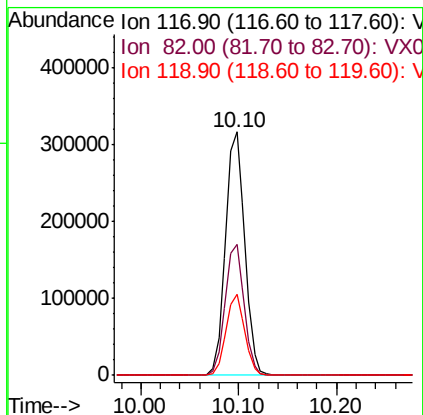
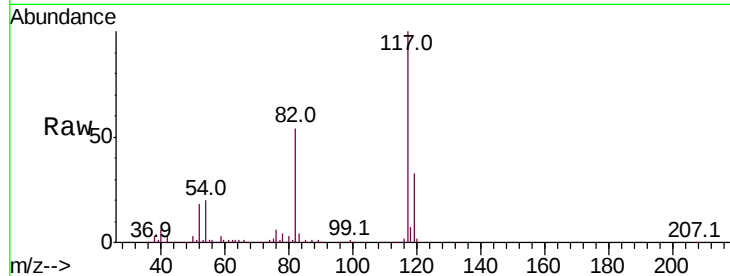




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

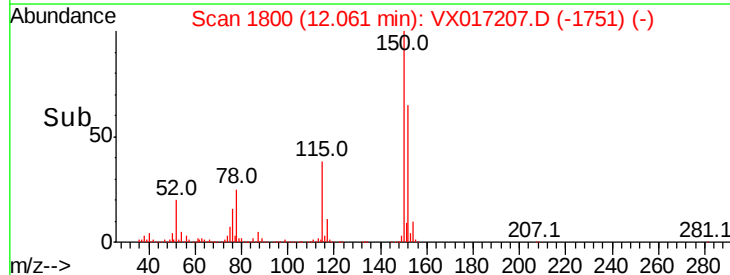
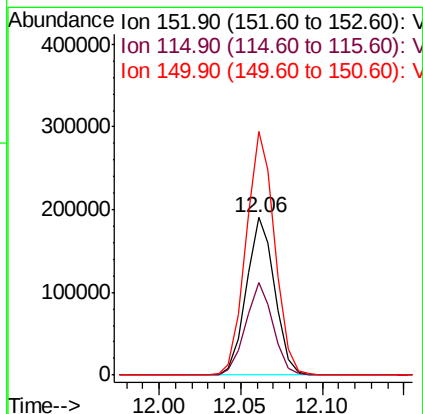
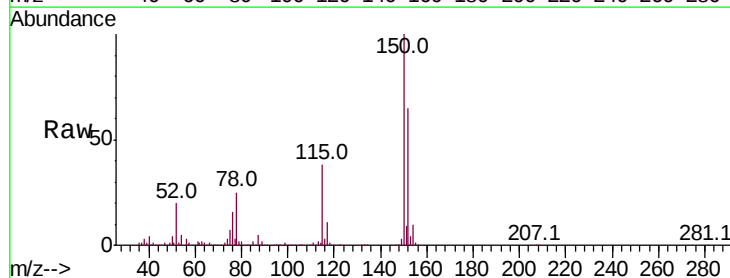
Instrument :
MSVOA_X
ClientSampleId :
07BR-20200629

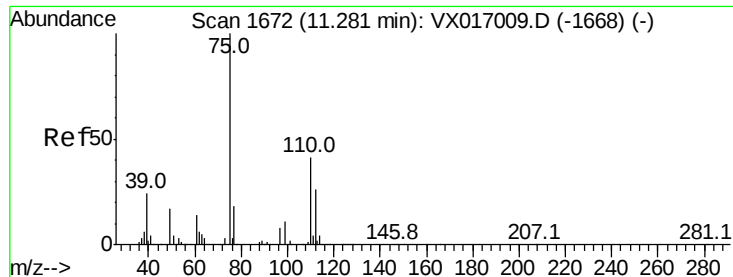
Tot Ion:117 Resp: 430708
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 33.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017207.D
Acq: 07 Jul 2020 16:38

Tgt Ion:152 Resp: 230899
Ion Ratio Lower Upper
152 100
115 57.0 40.9 122.7
150 155.6 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 22.399 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

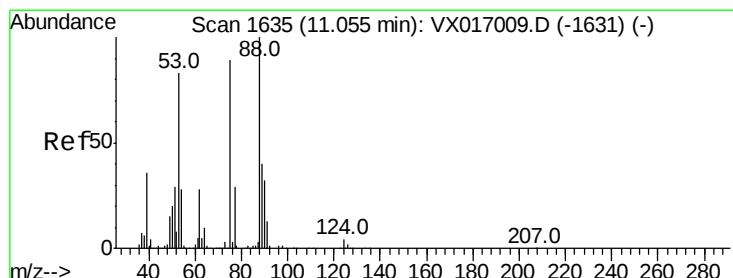
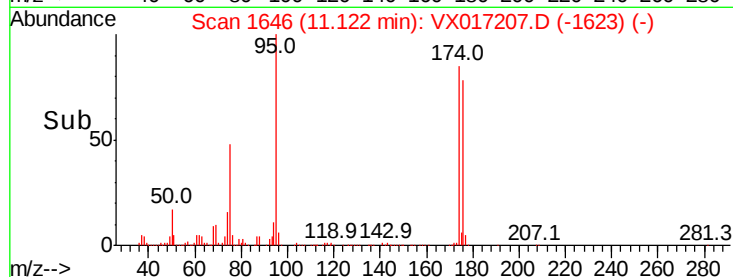
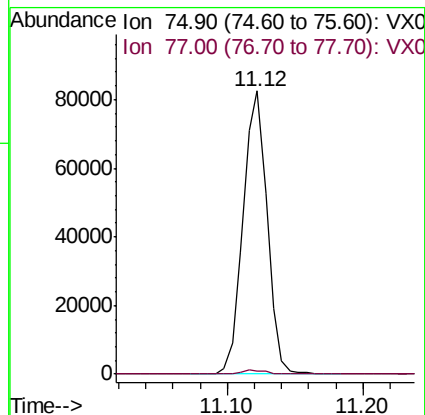
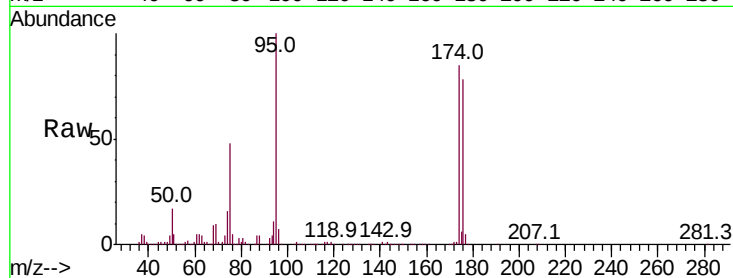
07BR-20200629

Tot Ion: 75 Resp: 101704

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.006 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

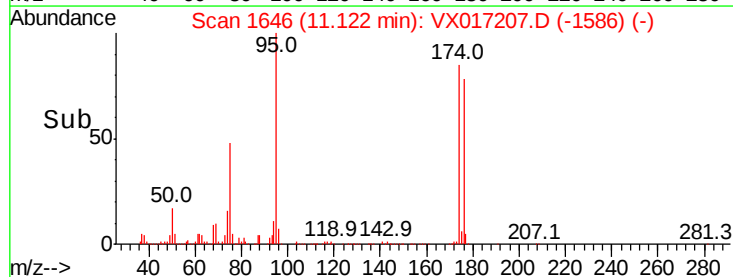
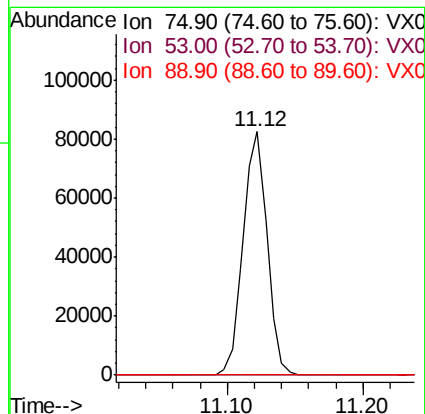
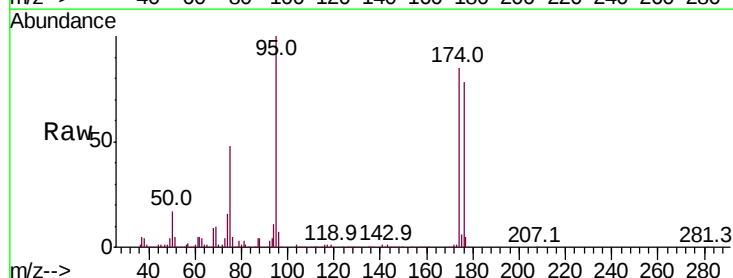
Tgt Ion: 75 Resp: 101704

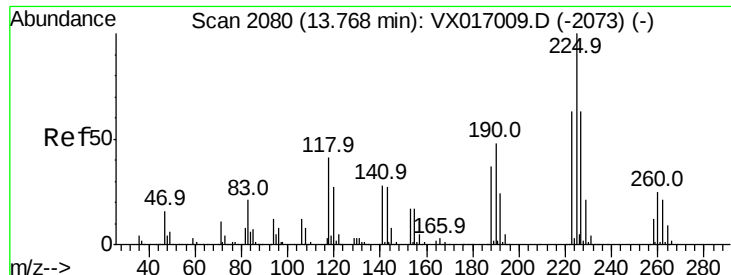
Ion Ratio Lower Upper

75 100

53 0.4 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.855 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017207.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

07BR-20200629

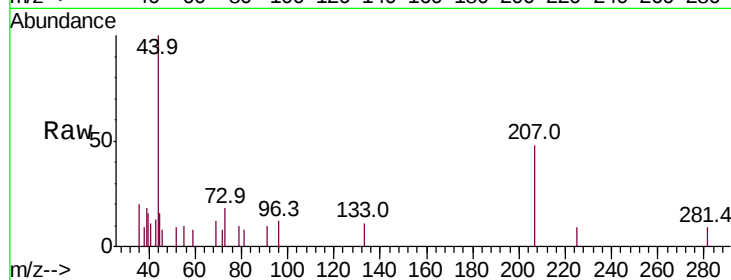
Tot Ion:225 Resp: 21

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

