

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017203.D
 Acq On : 07 Jul 2020 15:07
 Operator : JC/SP
 Sample : L3159-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 60BR-20200629

Quant Time: Jul 08 01:53:19 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	255306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	419545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223444	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	163821	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	5.47	113	140307	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	8.70	98	509593	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.12	95	203902	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	

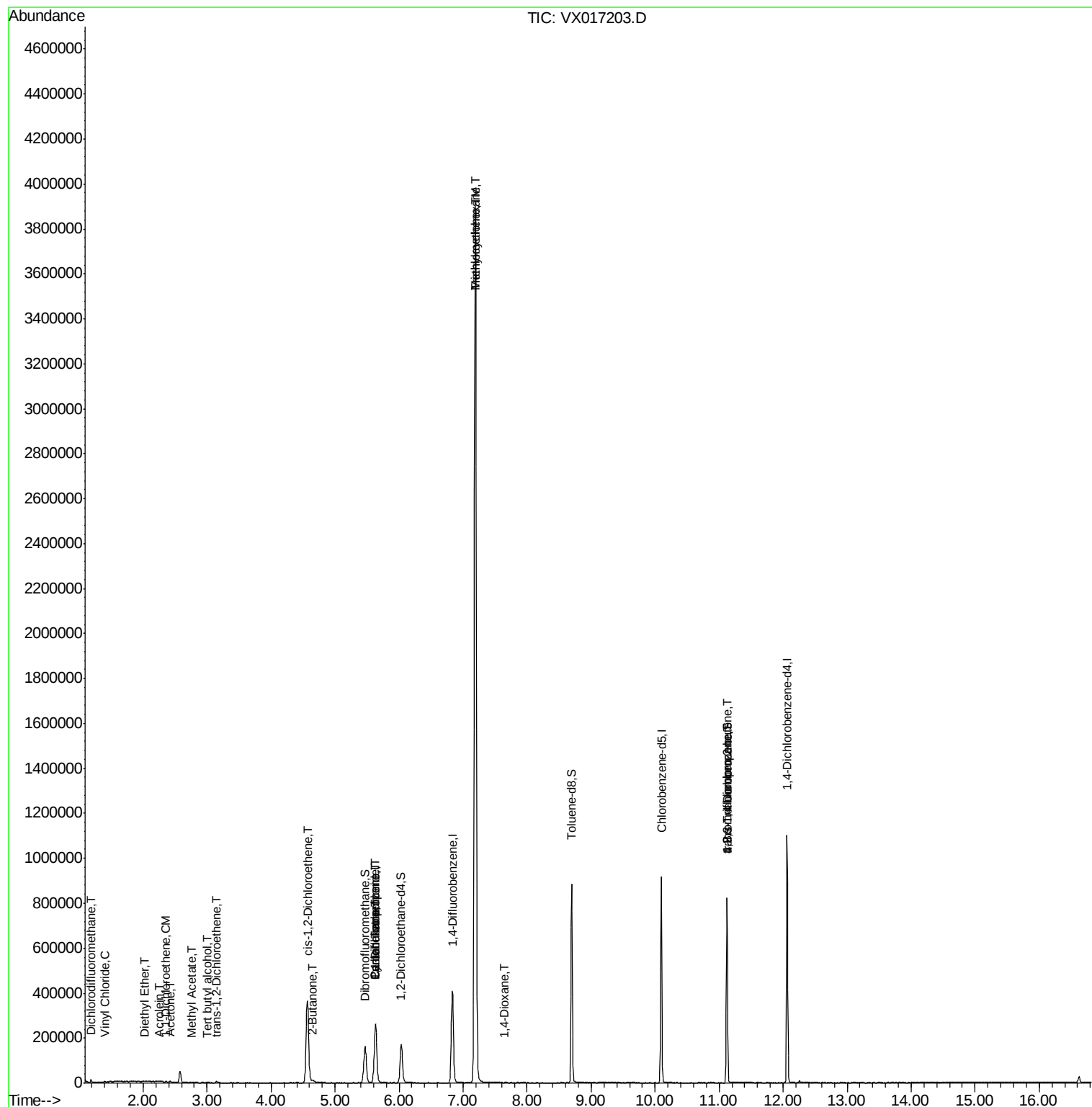
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	6410	2.595	ug/l	98
4) Vinyl Chloride	1.39	62	804	0.290	ug/l	93
8) Diethyl Ether	2.03	74	69	0.415	ug/l	95
11) Tert butyl alcohol	3.00	59	492	0.819	ug/l #	46
12) 1,1-Dichloroethene	2.36	96	1525	0.604	ug/l #	74
13) Acrolein	2.26	56	343	0.956	ug/l #	48
16) Acetone	2.42	43	7437	6.316	ug/l	96
18) Methyl Acetate	2.76	43	826	0.269	ug/l #	82
20) Methylene Chloride	2.84	84	320	Below Cal	#	1
21) trans-1,2-Dichloroethene	3.14	96	1732	0.618	ug/l #	81
25) 2-Butanone	4.65	43	2836	1.446	ug/l #	81
27) cis-1,2-Dichloroethene	4.57	96	240059	75.583	ug/l	90
31) Cyclohexane	5.63	56	4727	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18137	4.574	ug/l #	50
38) Carbon Tetrachloride	5.64	117	24734	5.663	ug/l #	14
39) Methylcyclohexane	7.19	83	17270	3.915	ug/l #	1
44) Trichloroethene	7.19	130	1557338	487.115	ug/l	96
49) 1,4-Dioxane	7.65	88	81	1.126	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	102740	23.382	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102740	60.552	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	727	Below Cal	#	1

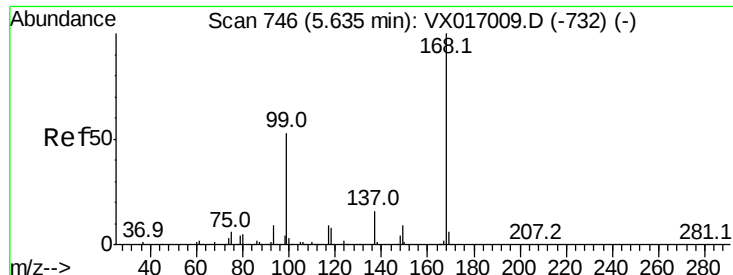
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

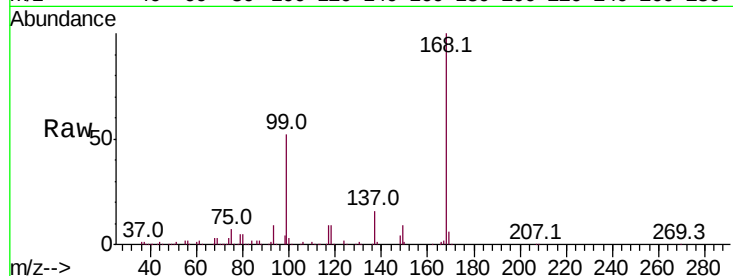
60BR-20200629

Tot Ion:168 Resp: 255306

Ion Ratio Lower Upper

168 100

99 52.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

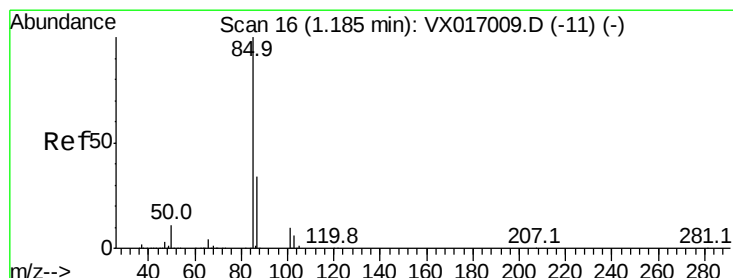
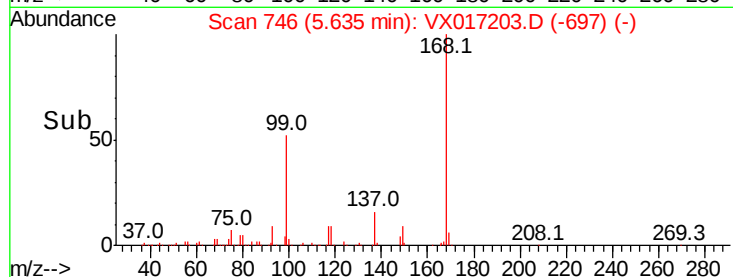
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.595 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017203.D

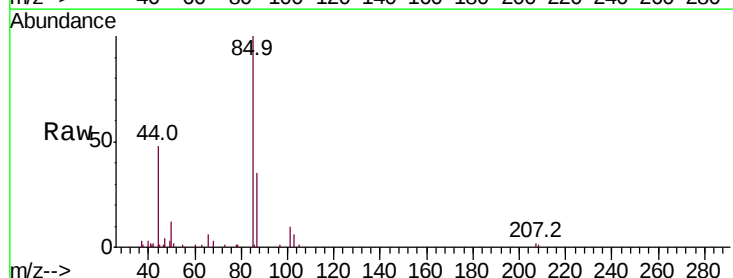
Acq: 07 Jul 2020 15:07

Tgt Ion: 85 Resp: 6410

Ion Ratio Lower Upper

85 100

87 34.7 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

8000

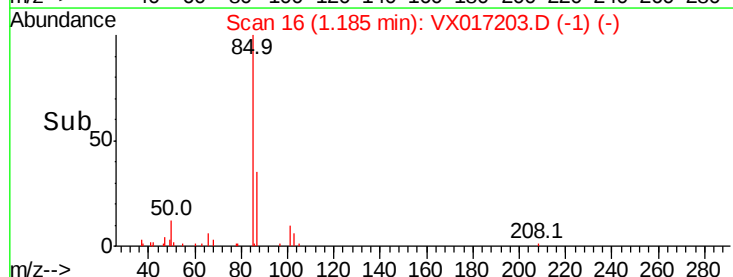
6000

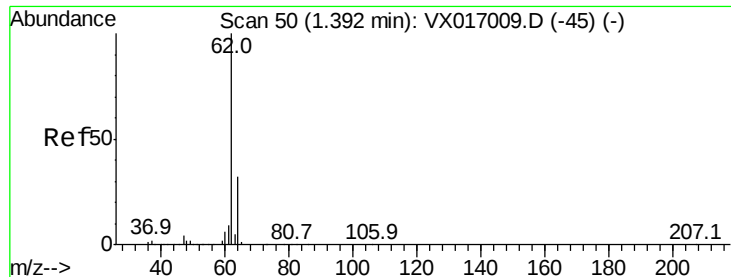
4000

2000

0

Time-->





#4

Vinyl Chloride

Concen: 0.290 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

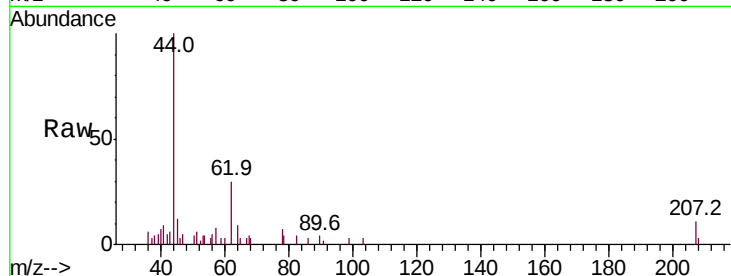
60BR-20200629

Tot Ion: 62 Resp: 804

Ion Ratio Lower Upper

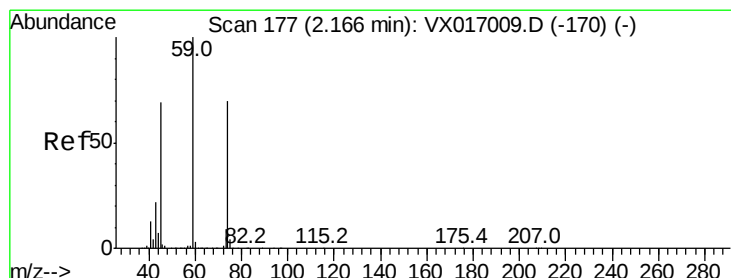
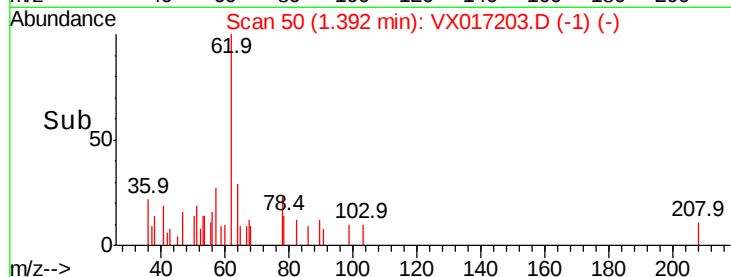
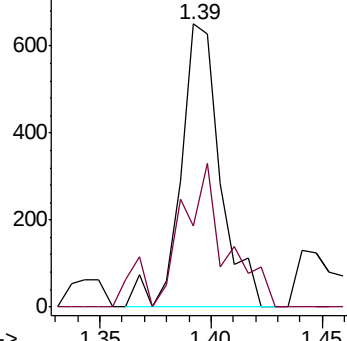
62 100

64 28.6 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: 0.415 ug/l

RT: 2.03 min Scan# 154

Delta R.T. -0.14 min

Lab File: VX017203.D

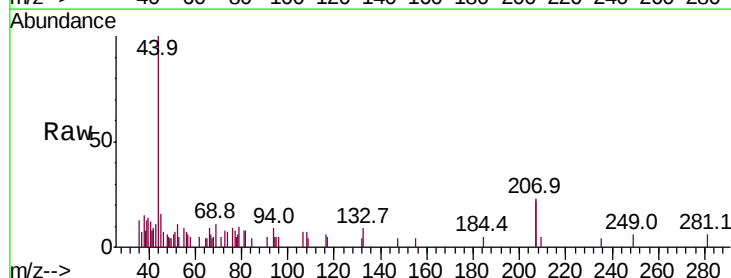
Acq: 07 Jul 2020 15:07

Tgt Ion: 74 Resp: 69

Ion Ratio Lower Upper

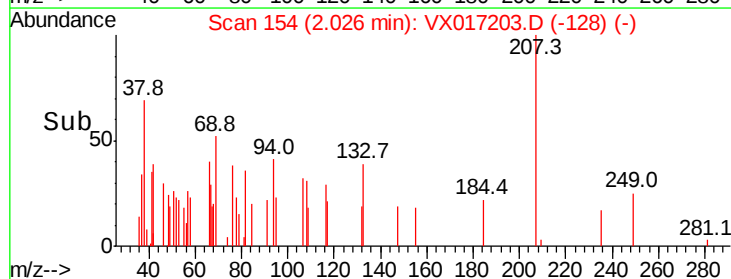
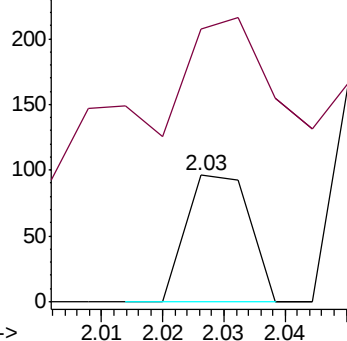
74 100

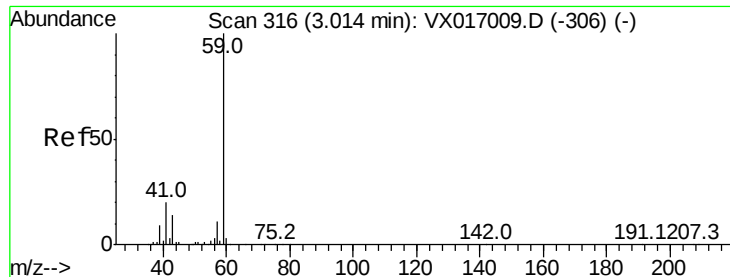
45 104.3 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

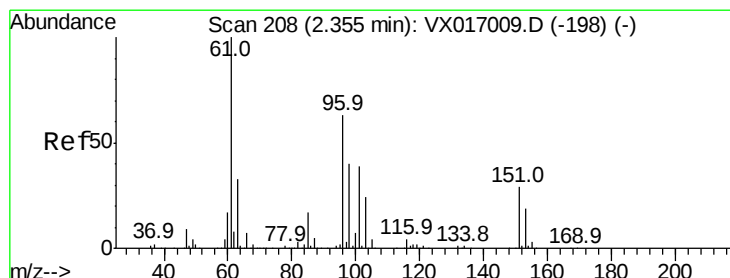
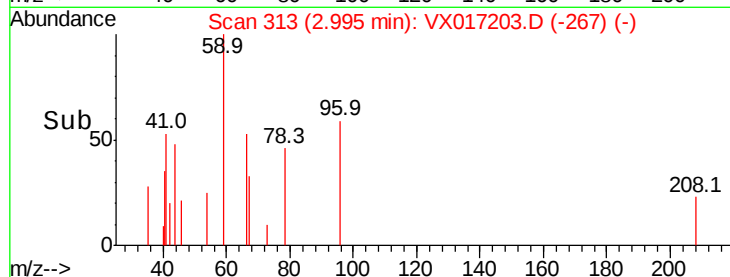
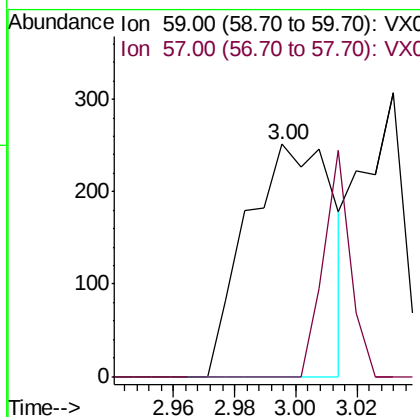
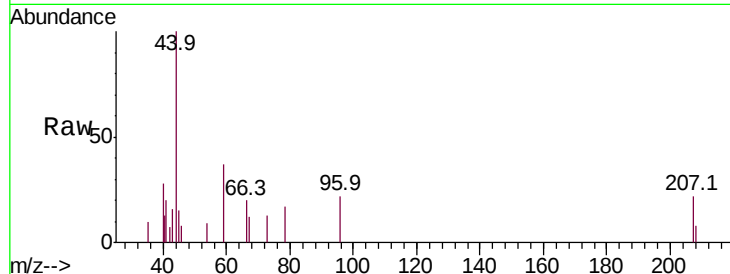




#11
Tert butyl alcohol
Concen: 0.819 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

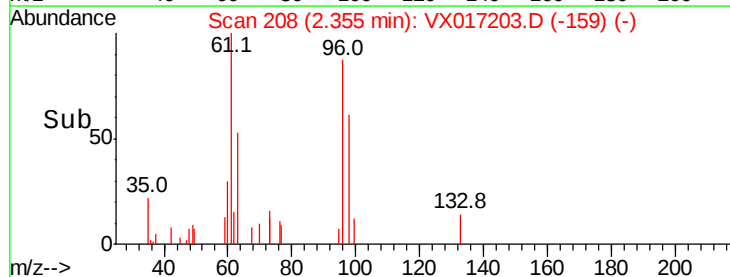
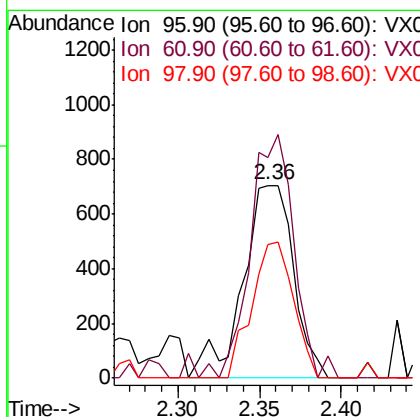
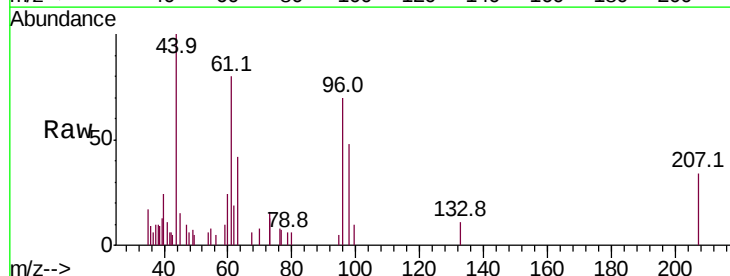
Instrument :
MSVOA_X
ClientSampleId :
60BR-20200629

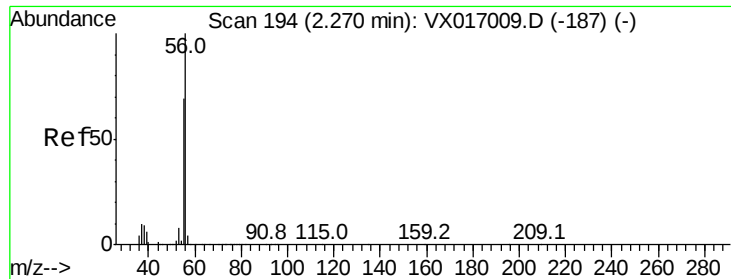
Tot Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 30.3 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.604 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

Tgt Ion: 96 Resp: 1525
Ion Ratio Lower Upper
96 100
61 114.6 126.3 189.5#
98 69.5 51.0 76.6





#13

Acrolein

Concen: 0.956 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

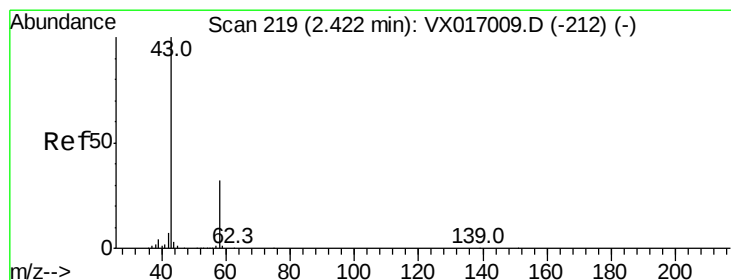
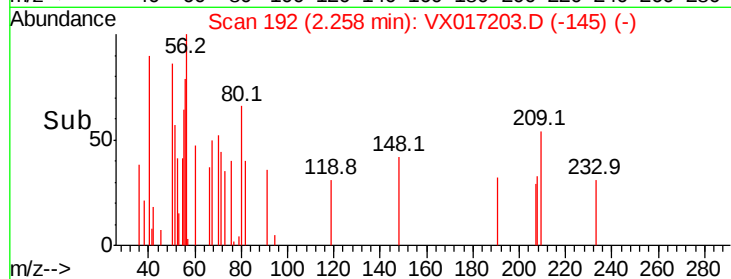
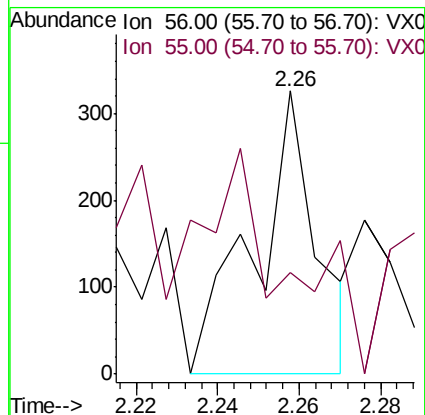
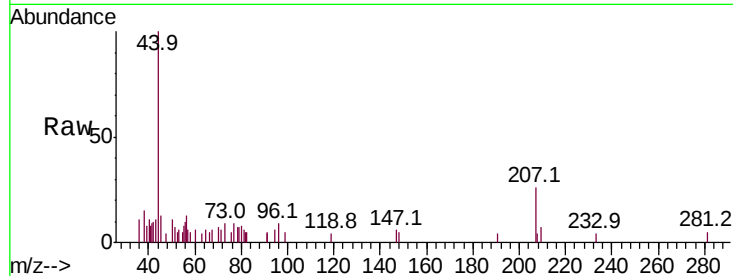
60BR-20200629

Tot Ion: 56 Resp: 343

Ion Ratio Lower Upper

56 100

55 112.5 55.7 83.5#



#16

Acetone

Concen: 6.316 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017203.D

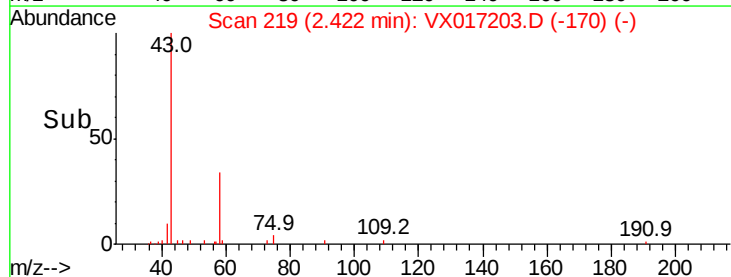
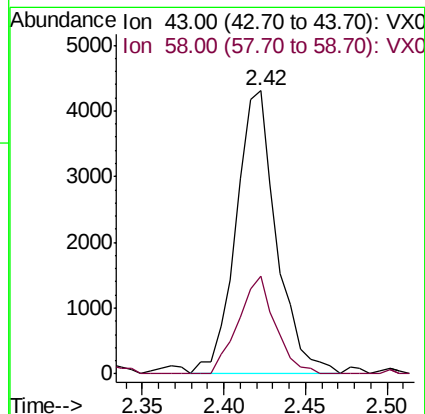
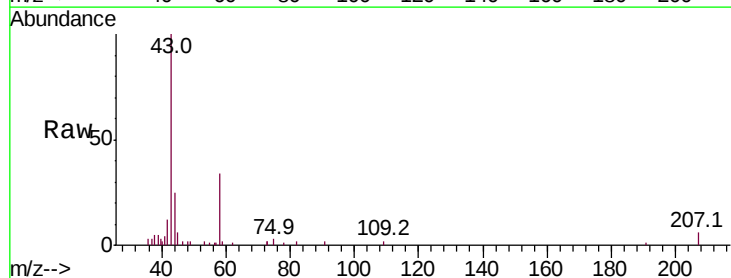
Acq: 07 Jul 2020 15:07

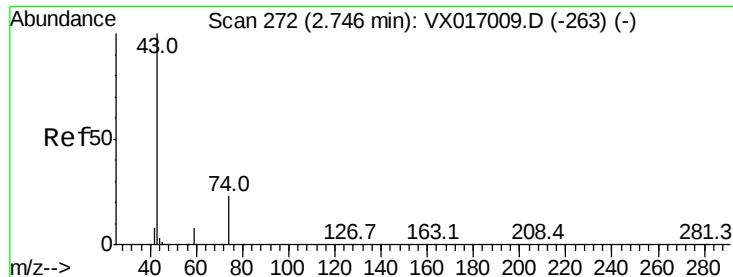
Tgt Ion: 43 Resp: 7437

Ion Ratio Lower Upper

43 100

58 34.4 25.7 38.5

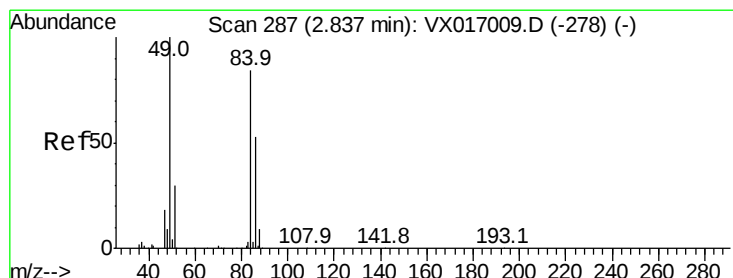
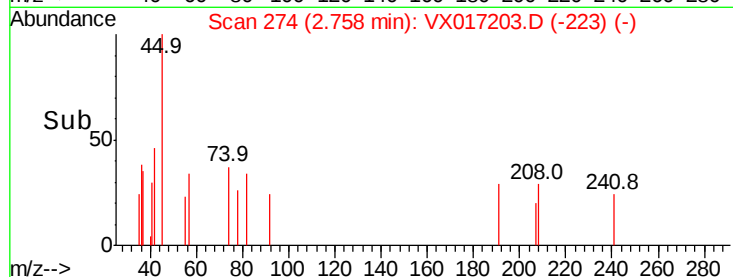
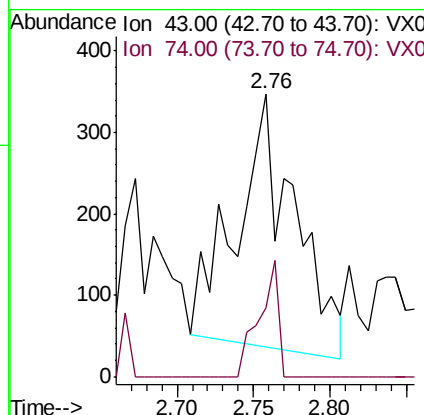
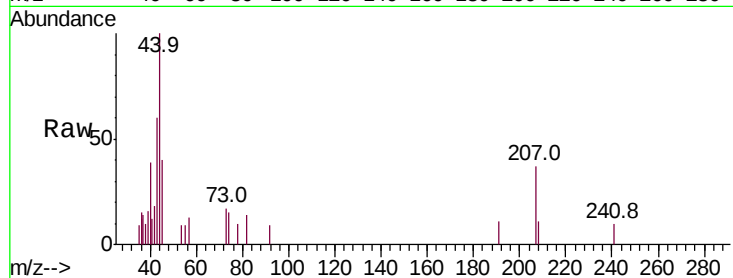




#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

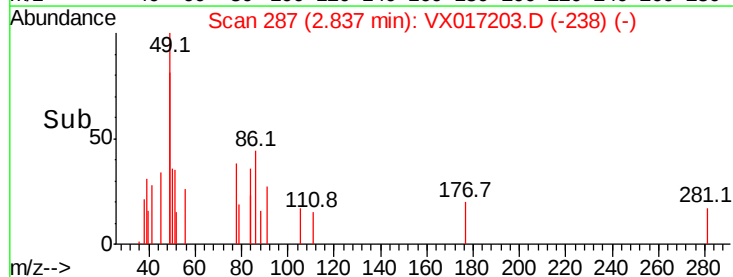
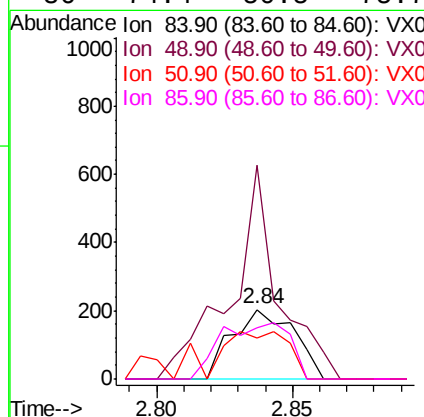
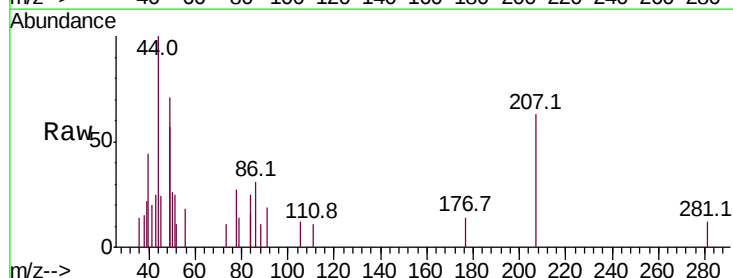
Instrument :
MSVOA_X
ClientSampleId :
60BR-20200629

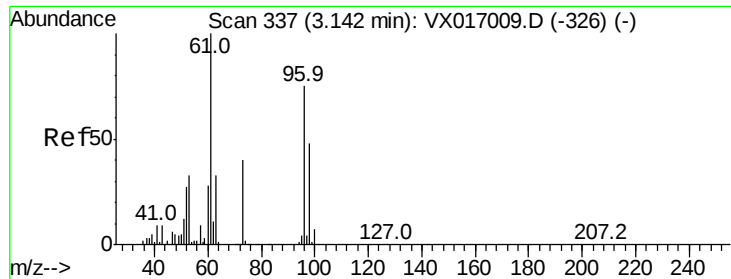
Tot Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
74 15.1 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

Tgt Ion: 84 Resp: 320
Ion Ratio Lower Upper
84 100
49 308.4 94.7 142.1#
51 59.6 28.6 42.8#
86 74.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 0.618 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

60BR-20200629

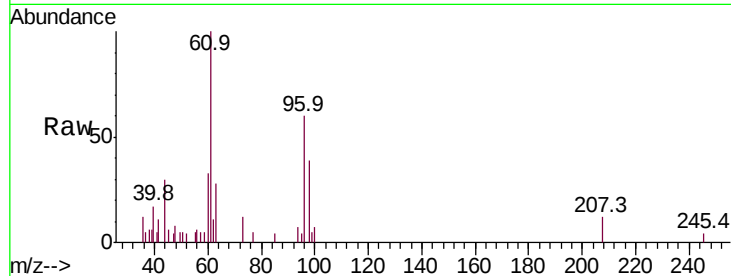
Tot Ion: 96 Resp: 1732

Ion Ratio Lower Upper

96 100

61 167.9 107.0 160.6#

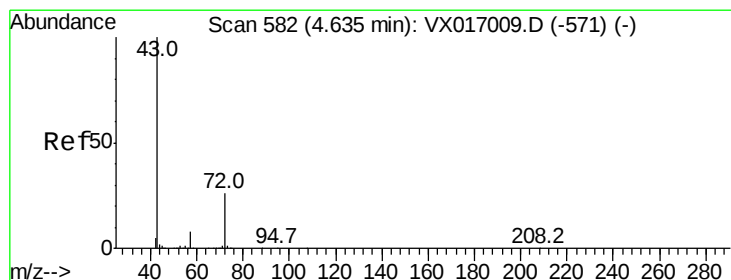
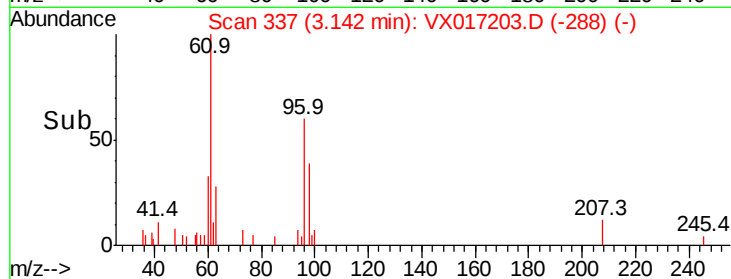
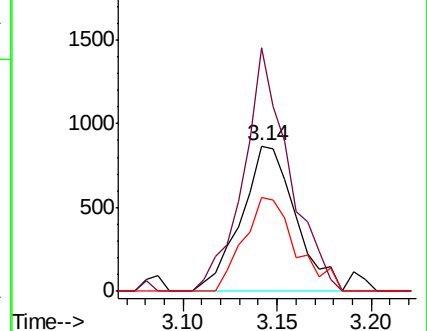
98 64.7 51.6 77.4



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: 1.446 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017203.D

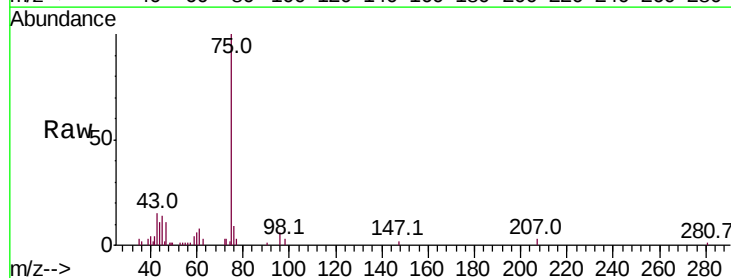
Acq: 07 Jul 2020 15:07

Tgt Ion: 43 Resp: 2836

Ion Ratio Lower Upper

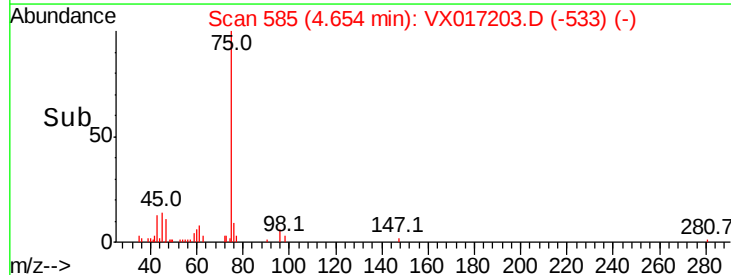
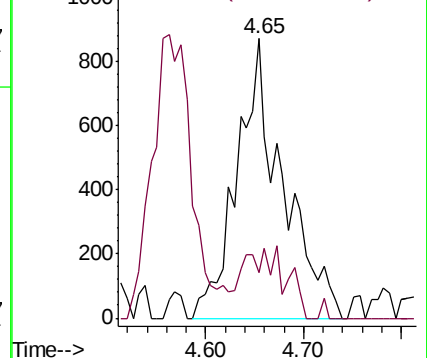
43 100

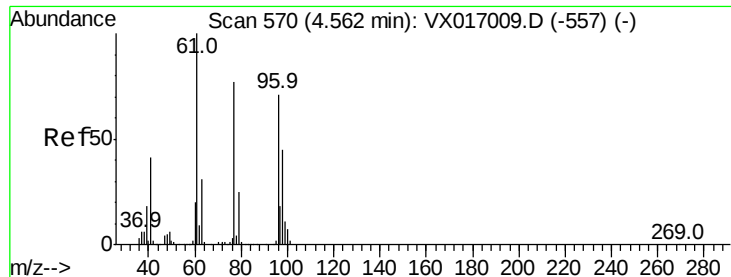
72 16.5 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



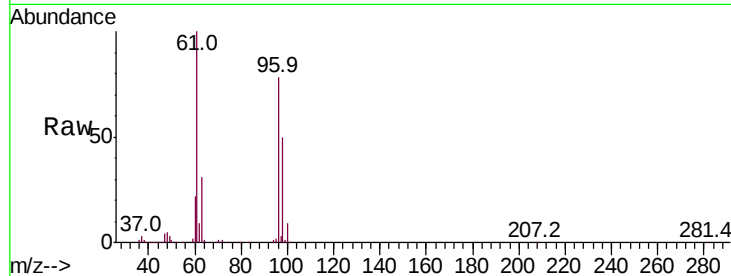


#27

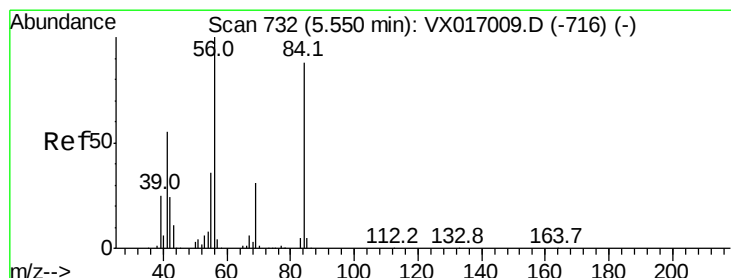
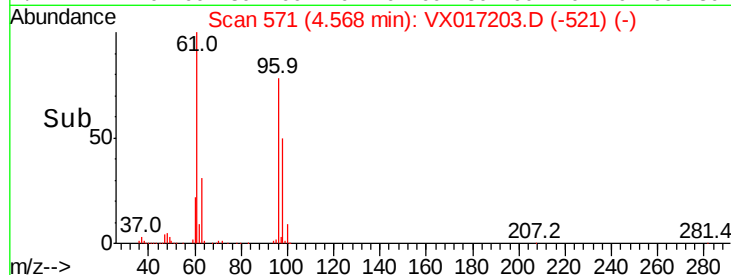
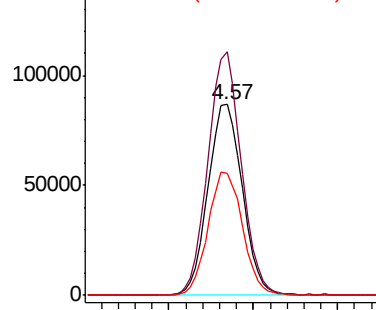
cis-1,2-Dichloroethene
 Concen: 75.583 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017203.D
 Acq: 07 Jul 2020 15:07

Instrument :
 MSVOA_X
 ClientSampled :
 60BR-20200629

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	282.8
98	64.7	0.0	127.6



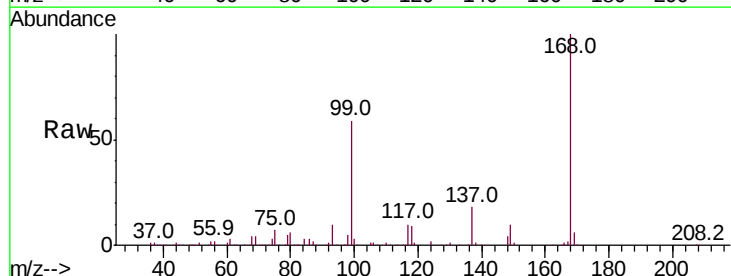
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



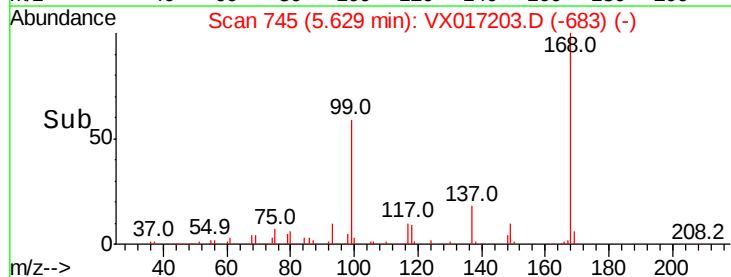
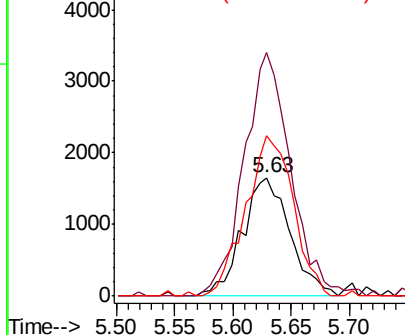
#31

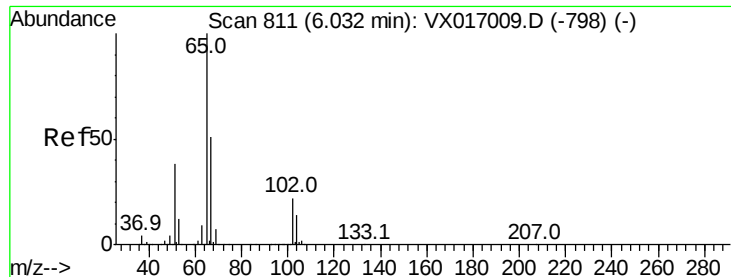
Cyclohexane
 Concen: 1.112 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX017203.D
 Acq: 07 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	205.9	25.0	37.4#
84	135.6	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: 52.049 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

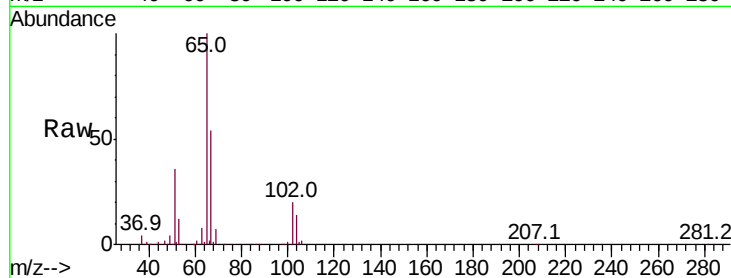
60BR-20200629

Tot Ion: 65 Resp: 163821

Ion Ratio Lower Upper

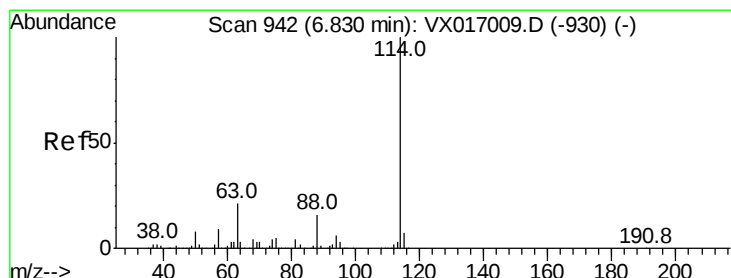
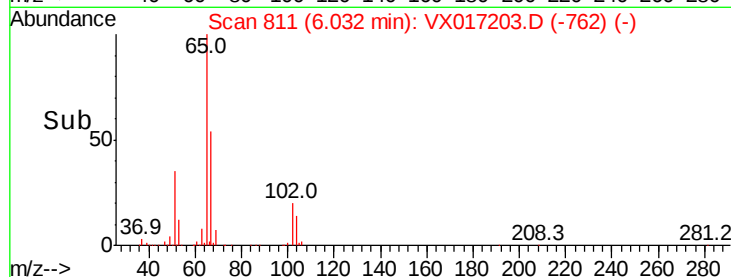
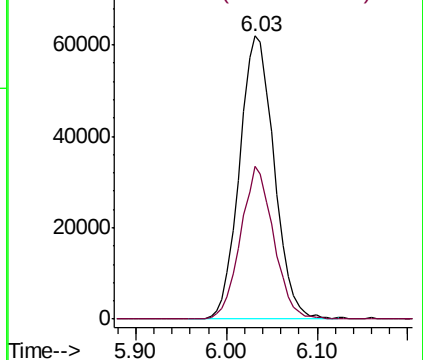
65 100

67 51.8 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: VX017203.D

Acq: 07 Jul 2020 15:07

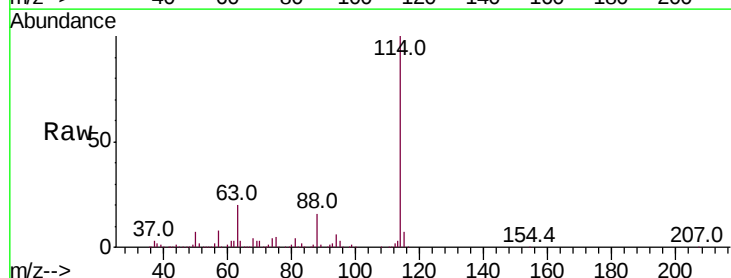
Tgt Ion: 114 Resp: 419545

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

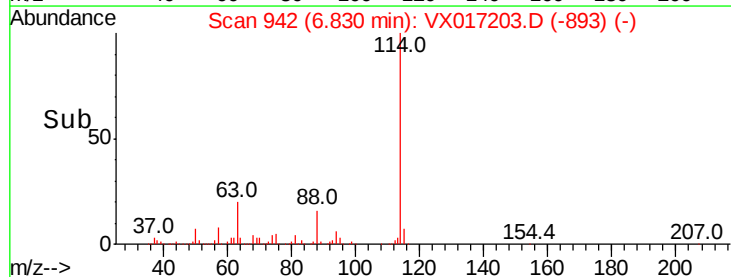
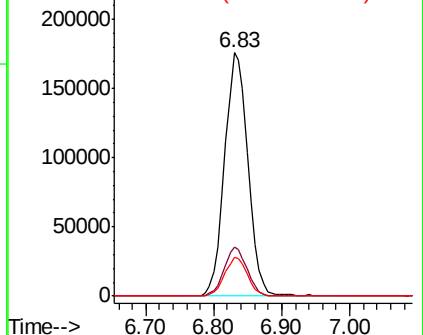
88 16.0 0.0 32.4

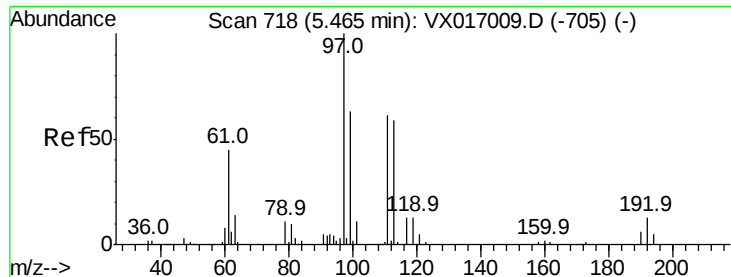


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.868 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

60BR-20200629

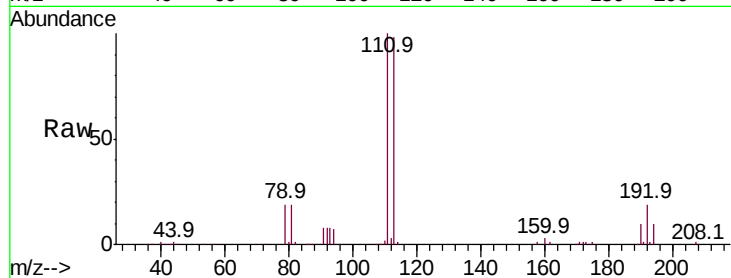
Tot Ion:113 Resp: 140307

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

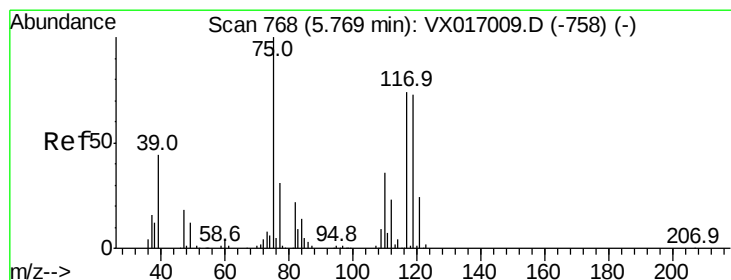
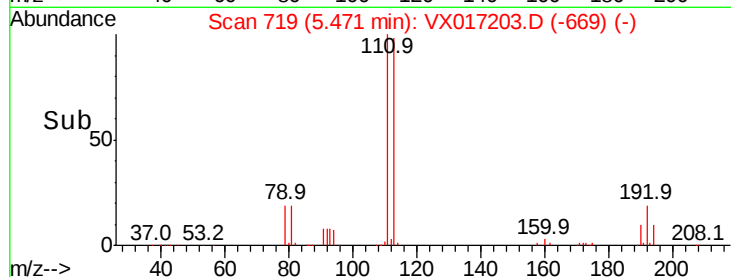
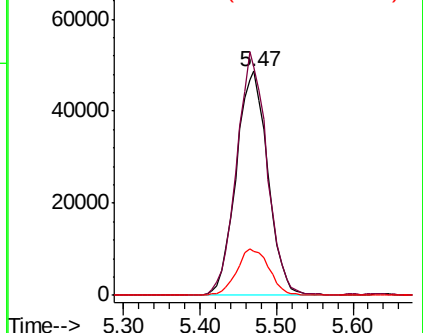
192 21.1 16.7 25.1



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: 4.574 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

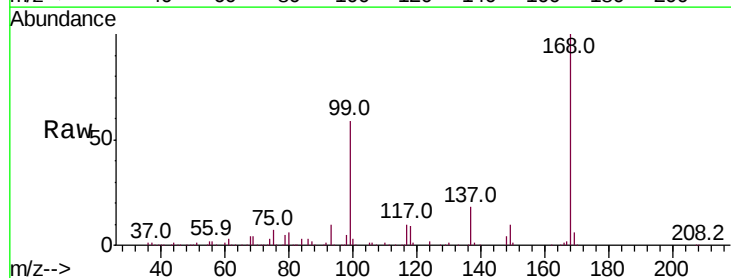
Tgt Ion: 75 Resp: 18137

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.1#

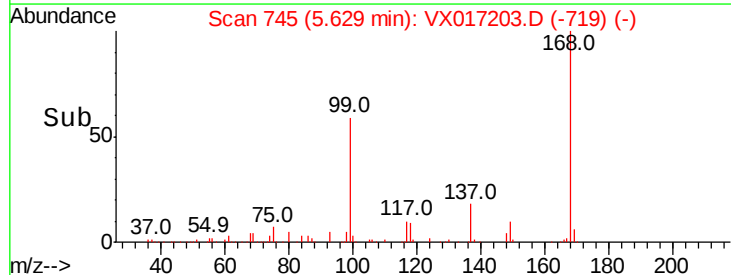
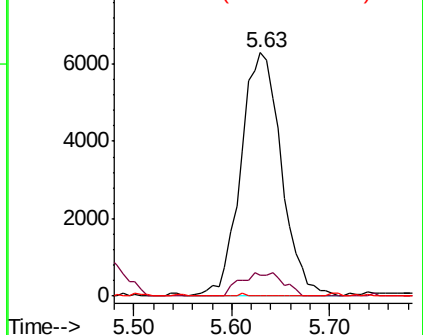
77 0.0 24.6 37.0#

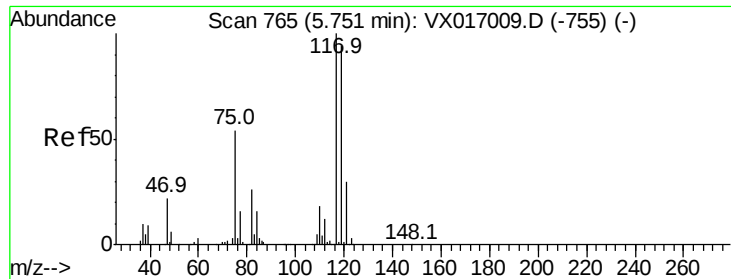


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

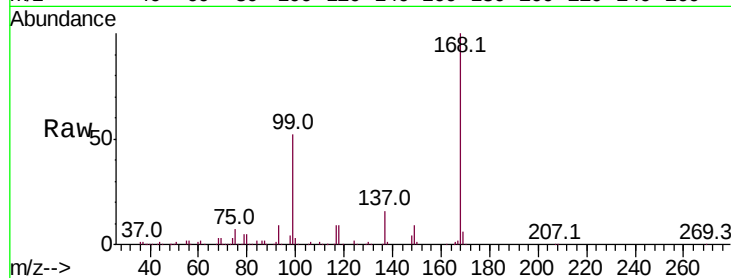




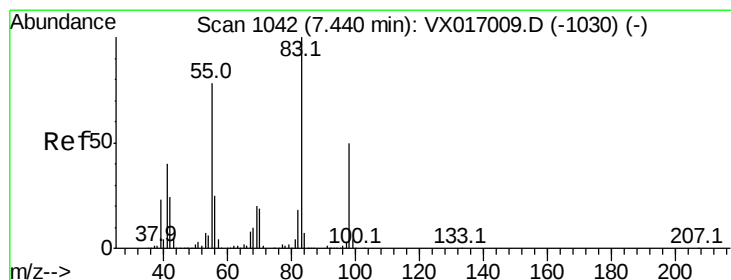
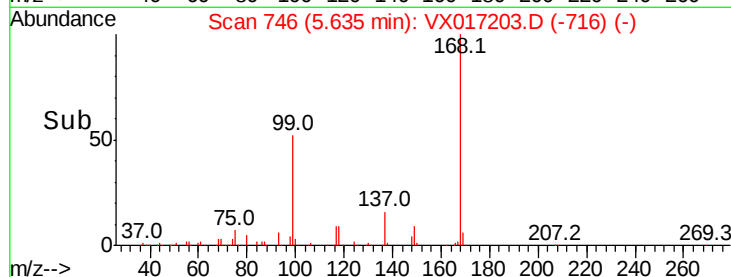
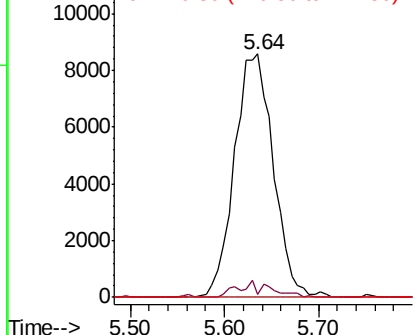
#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

Instrument :
MSVOA_X
ClientSampleId :
60BR-20200629

Tot Ion:117 Resp: 24734
Ion Ratio Lower Upper
117 100
119 1.1 75.4 113.0#
121 0.0 23.8 35.6#

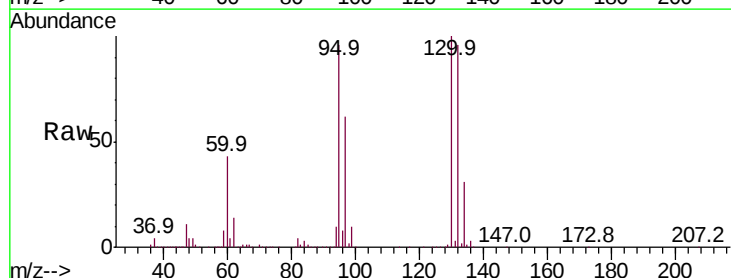


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

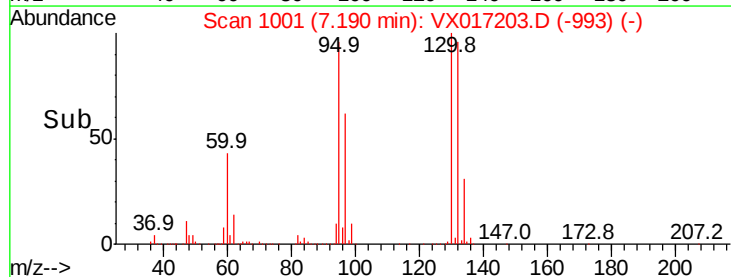
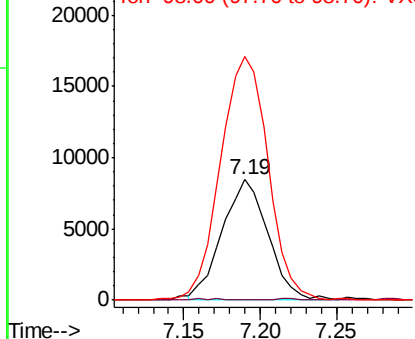


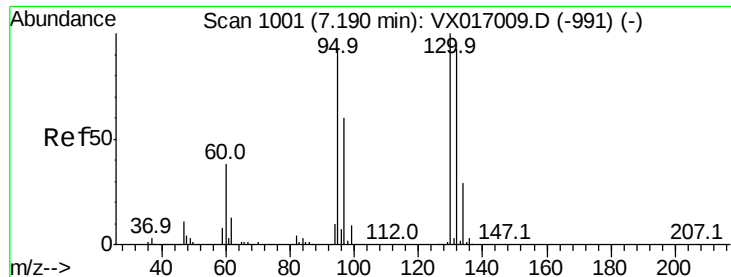
#39
Methylcyclohexane
Concen: 3.915 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.25 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

Tgt Ion: 83 Resp: 17270
Ion Ratio Lower Upper
83 100
55 0.0 62.5 93.7#
98 203.1 40.1 60.1#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 487.115 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

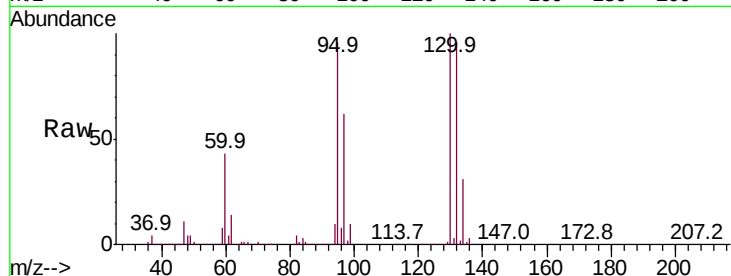
60BR-20200629

Tot Ion:130 Resp: 1557338

Ion Ratio Lower Upper

130 100

95 96.0 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

800000

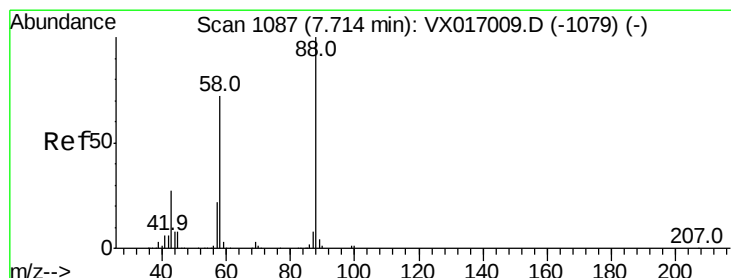
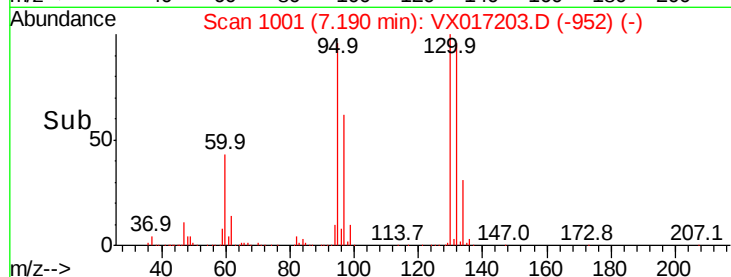
600000

400000

200000

0

Time-->



#49

1,4-Dioxane

Concen: 1.126 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.06 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

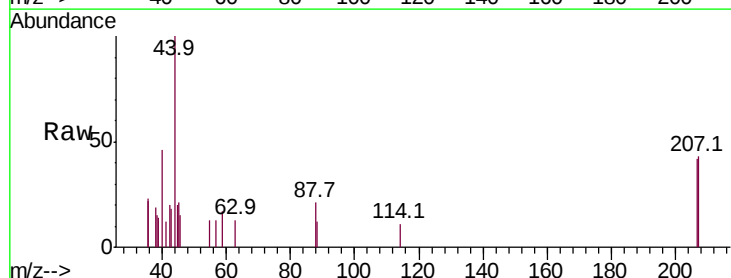
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 149.4 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

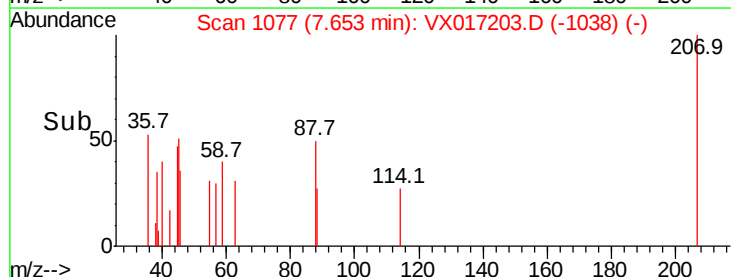
150

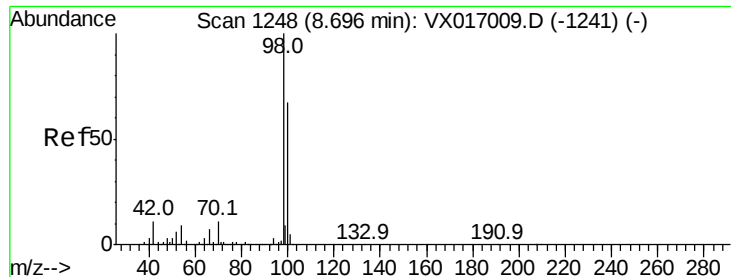
100

50

0

Time-->

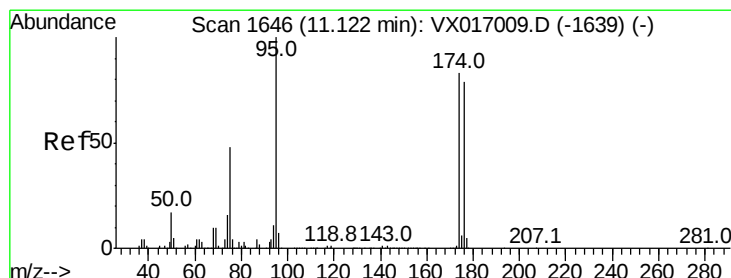
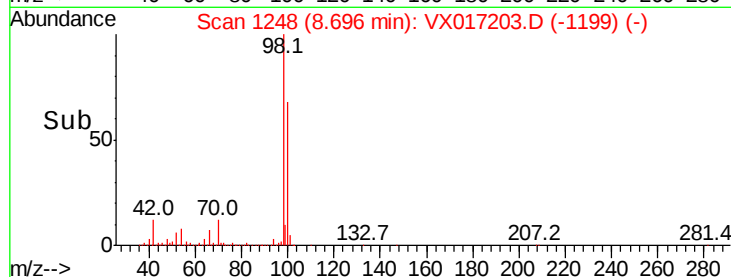
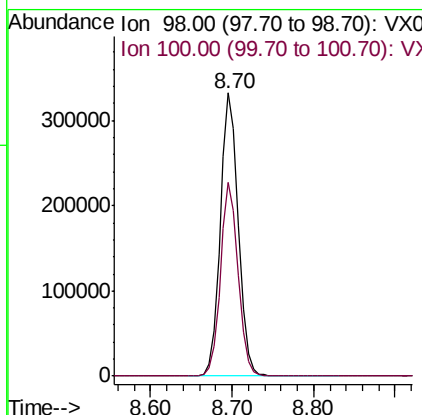
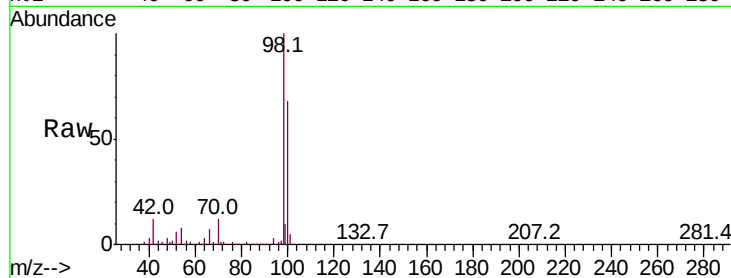




#50
Toluene-d8
Concen: 51.927 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

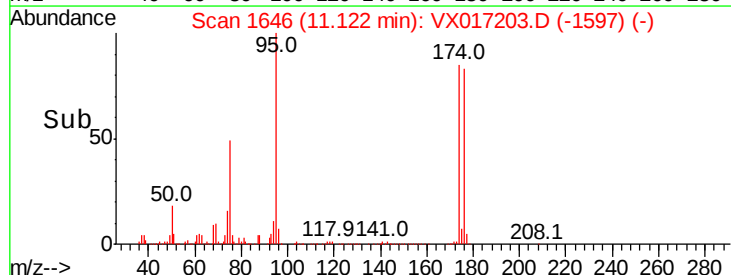
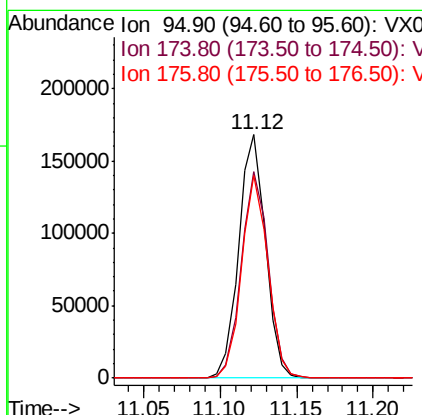
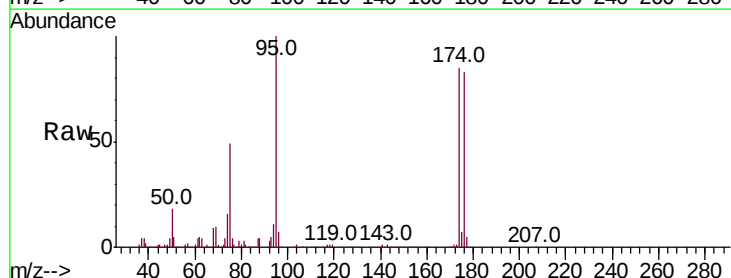
Instrument :
MSVOA_X
ClientSampleId :
60BR-20200629

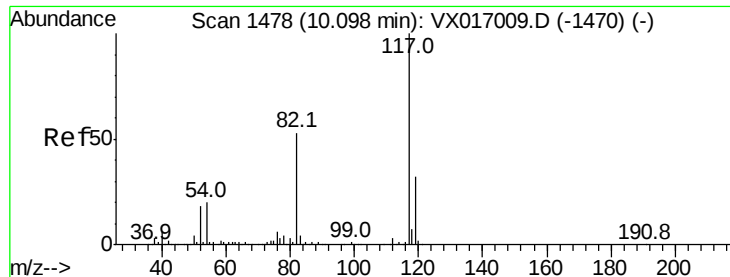
Tot Ion: 98 Resp: 509593
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.151 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017203.D
Acq: 07 Jul 2020 15:07

Tgt Ion: 95 Resp: 203902
Ion Ratio Lower Upper
95 100
174 85.4 0.0 164.0
176 82.0 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: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

60BR-20200629

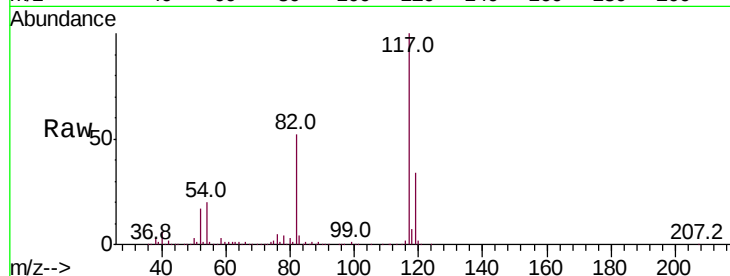
Tot Ion:117 Resp: 430274

Ion Ratio Lower Upper

117 100

82 52.1 42.6 63.8

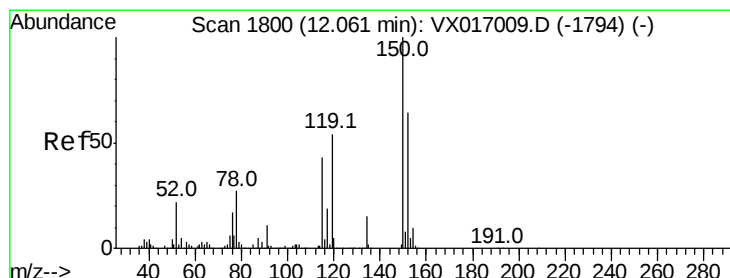
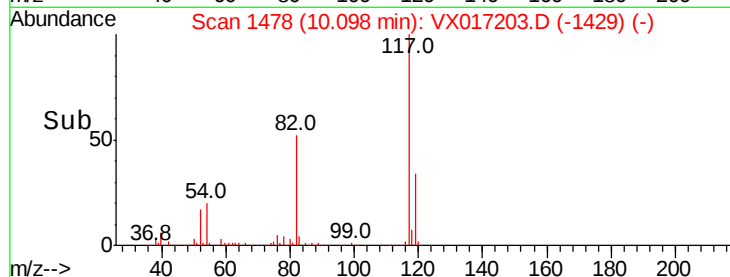
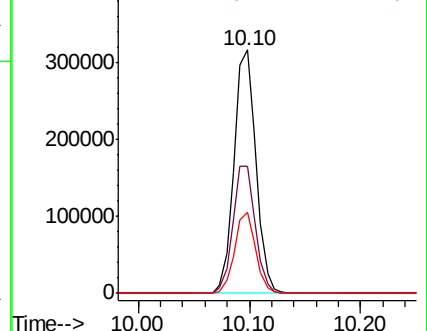
119 33.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

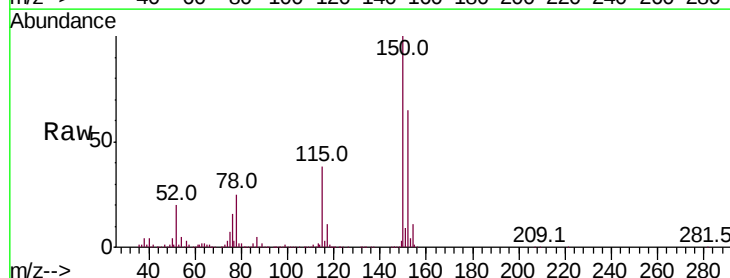
Tgt Ion:152 Resp: 223444

Ion Ratio Lower Upper

152 100

115 58.0 40.9 122.7

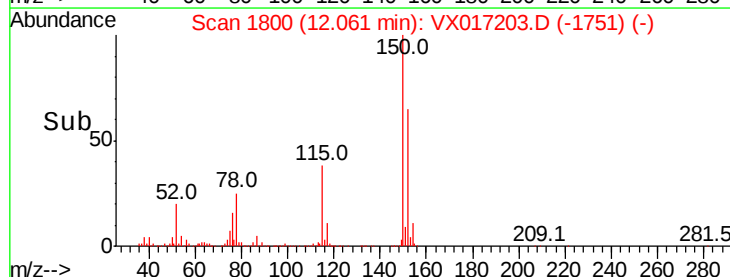
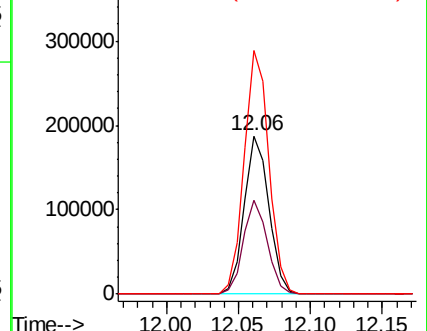
150 154.5 0.0 351.6

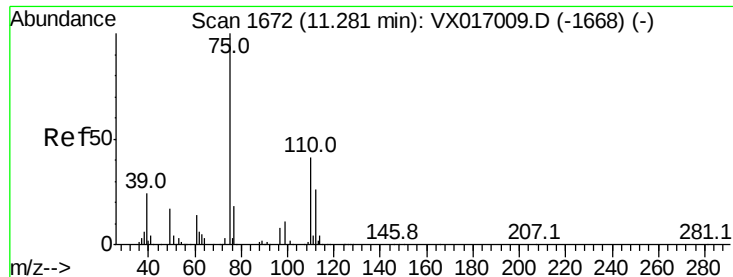


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.382 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

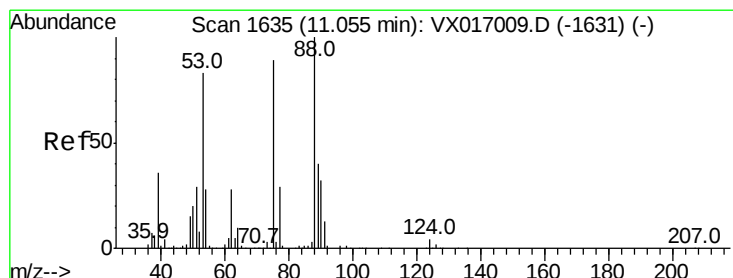
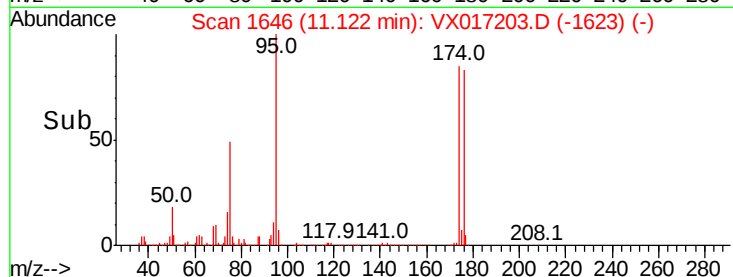
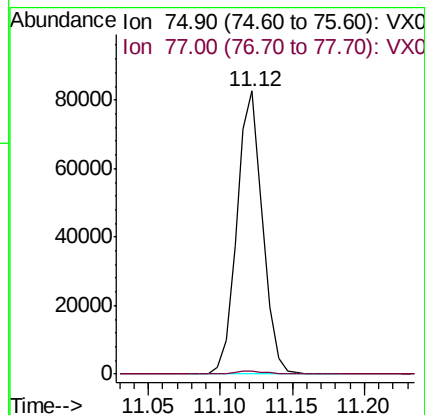
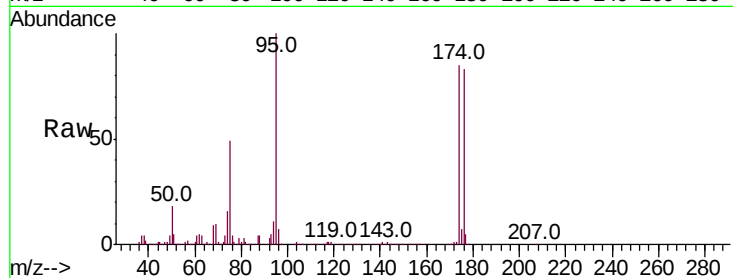
60BR-20200629

Tot Ion: 75 Resp: 102740

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.552 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017203.D

Acq: 07 Jul 2020 15:07

Tgt Ion: 75 Resp: 102740

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#

