

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017119.D
 Acq On : 01 Jul 2020 23:58
 Operator : JC/SP
 Sample : L3159-06 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 23BR-20200629

Quant Time: Jul 02 01:43:24 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	221700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	377574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	387776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203297	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	146310	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	5.46	113	125208	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.70	98	464022	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	11.12	95	194834	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	

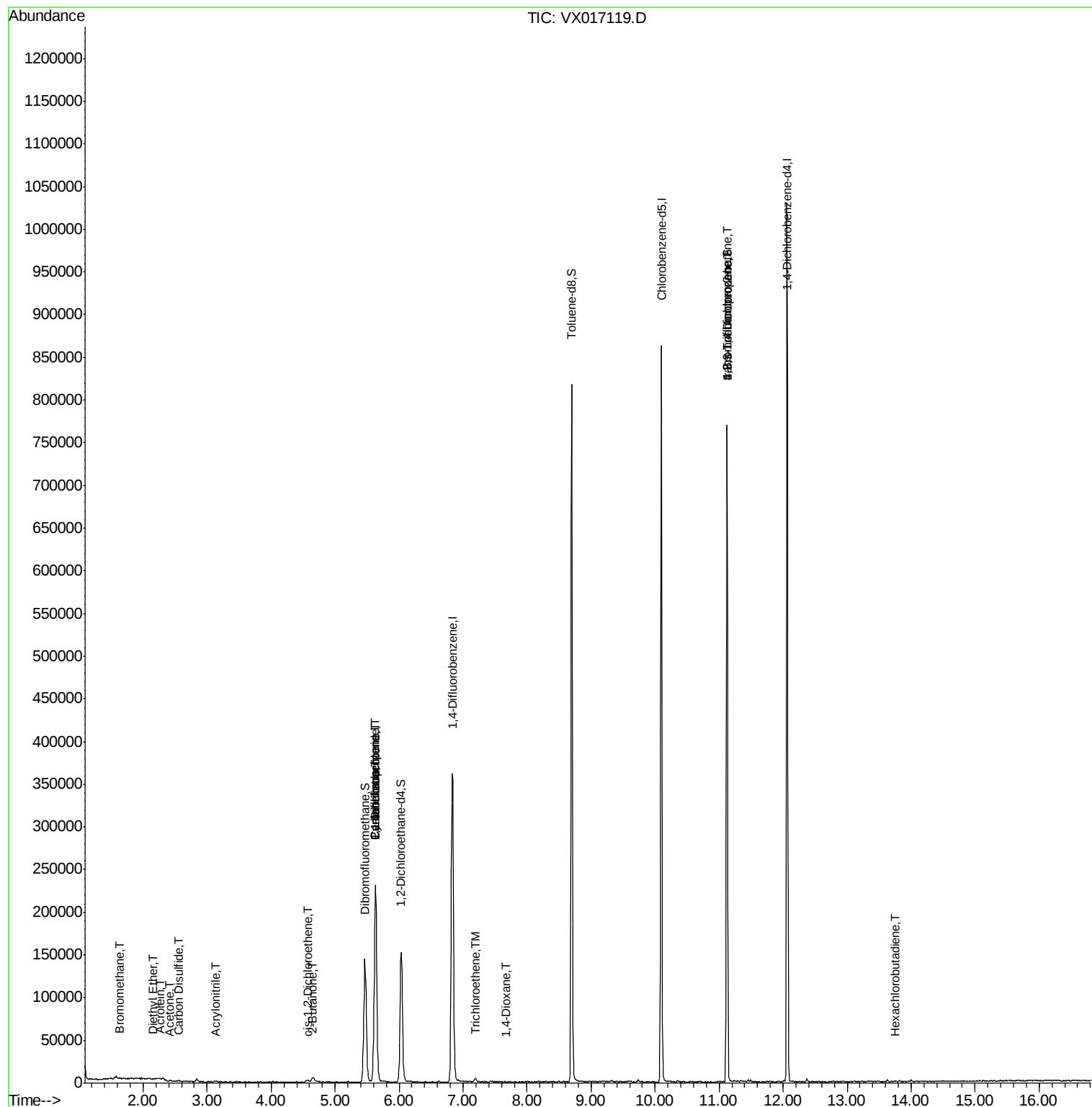
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	389	0.306	ug/l	87
8) Diethyl Ether	2.16	74	257	0.578	ug/l #	26
13) Acrolein	2.27	56	272	0.873	ug/l #	11
15) Acrylonitrile	3.13	53	385	0.307	ug/l	99
16) Acetone	2.42	43	1254	1.226	ug/l #	73
17) Carbon Disulfide	2.56	76	1650	0.292	ug/l	98
20) Methylene Chloride	2.84	84	1374	Below Cal		92
25) 2-Butanone	4.64	43	701	0.411	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	1173	0.425	ug/l	89
31) Cyclohexane	5.62	56	4748	1.287	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15635	4.381	ug/l #	52
38) Carbon Tetrachloride	5.63	117	22246	5.660	ug/l #	18
44) Trichloroethene	7.20	130	1498	0.209	ug/l	75
49) 1,4-Dioxane	7.67	88	27	0.417	ug/l #	77
76) 1,2,3-Trichloropropane	11.12	75	97835	24.473	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	97835	63.376	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	507	Below Cal		81
94) Hexachlorobutadiene	13.76	225	343	1.054	ug/l #	43

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

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Quant Title : SW846 8260
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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: VX017119.D

Acq: 01 Jul 2020 23:58

Instrument :

MSVOA_X

ClientSampleId :

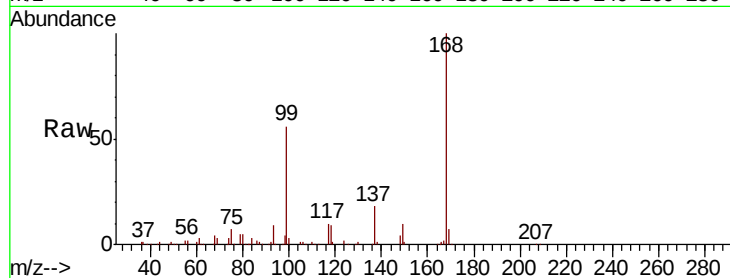
23BR-20200629

Tot Ion:168 Resp: 221700

Ion Ratio Lower Upper

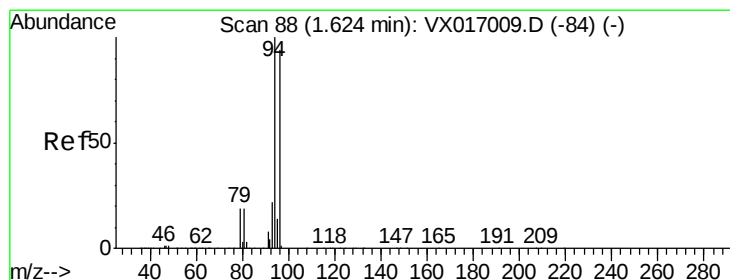
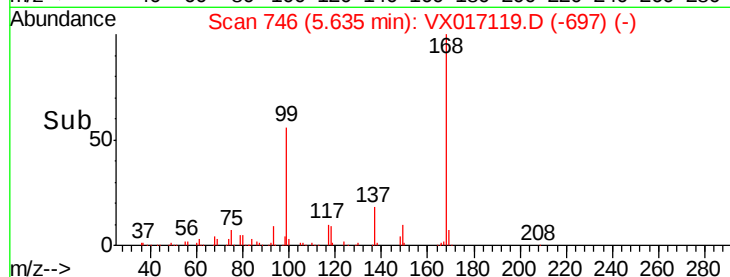
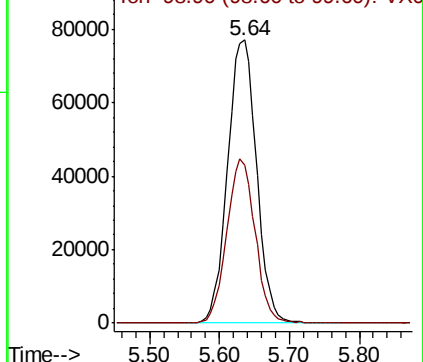
168 100

99 55.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.306 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017119.D

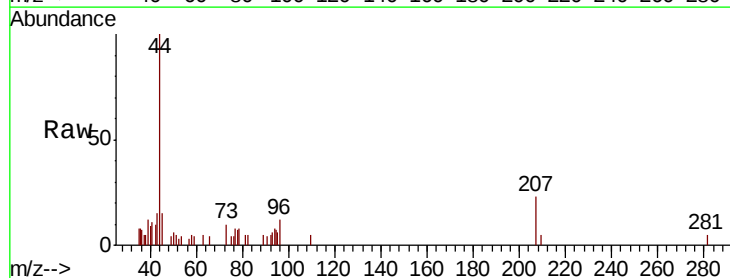
Acq: 01 Jul 2020 23:58

Tgt Ion: 94 Resp: 389

Ion Ratio Lower Upper

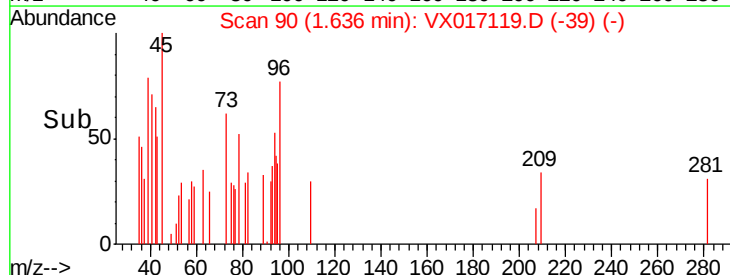
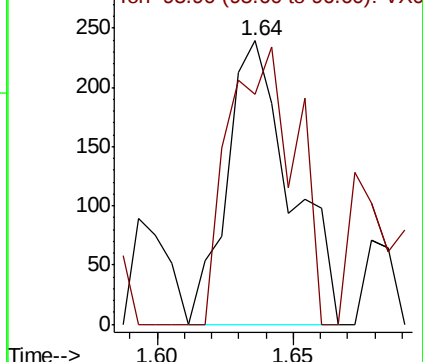
94 100

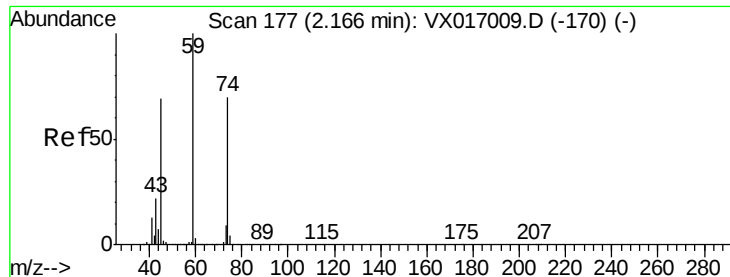
96 81.2 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.578 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017119.D

Acq: 01 Jul 2020 23:58

Instrument :

MSVOA_X

ClientSampleId :

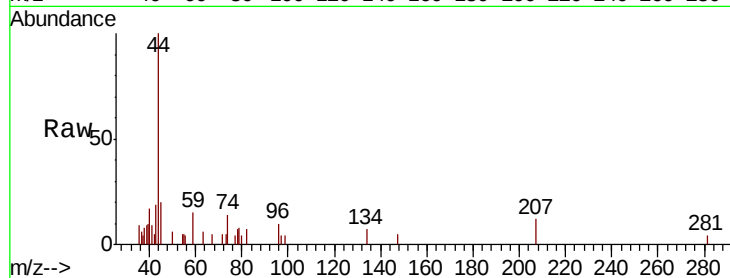
23BR-20200629

Tot Ion: 74 Resp: 257

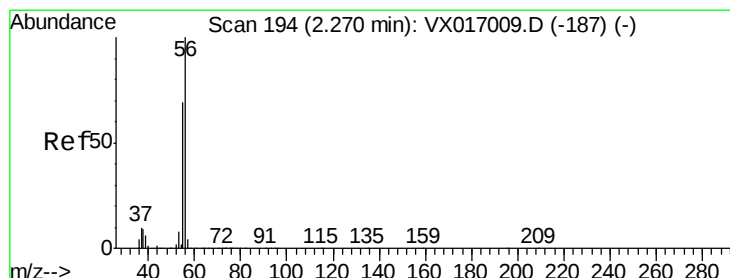
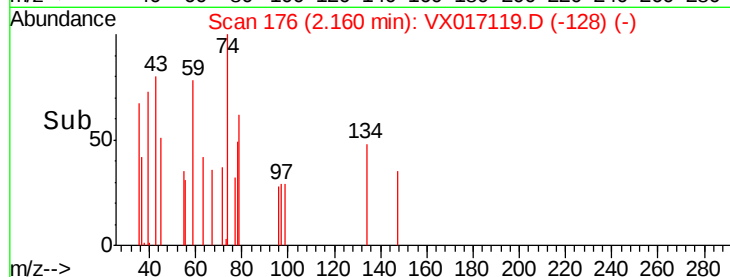
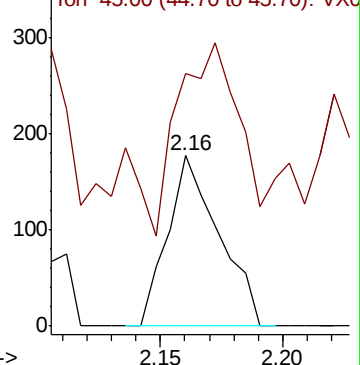
Ion Ratio Lower Upper

74 100

45 173.5 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0



#13

Acrolein

Concen: 0.873 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX017119.D

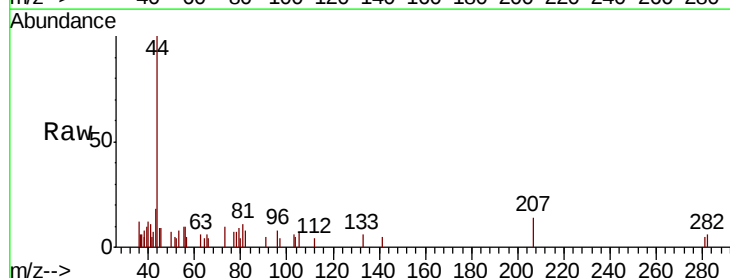
Acq: 01 Jul 2020 23:58

Tgt Ion: 56 Resp: 272

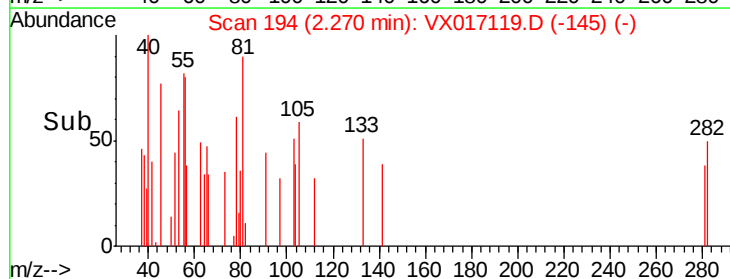
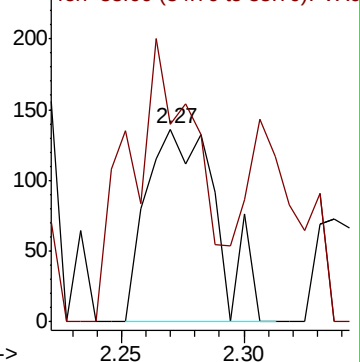
Ion Ratio Lower Upper

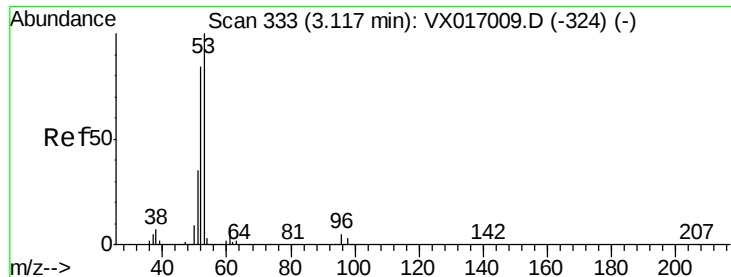
56 100

55 142.6 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0





#15

Acrylonitrile

Concen: 0.307 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017119.D

Acq: 01 Jul 2020 23:58

Instrument :

MSVOA_X

ClientSampleId :

23BR-20200629

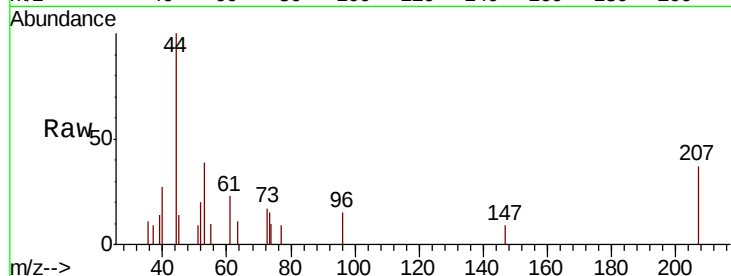
Tot Ion: 53 Resp: 385

Ion Ratio Lower Upper

53 100

52 81.6 65.6 98.4

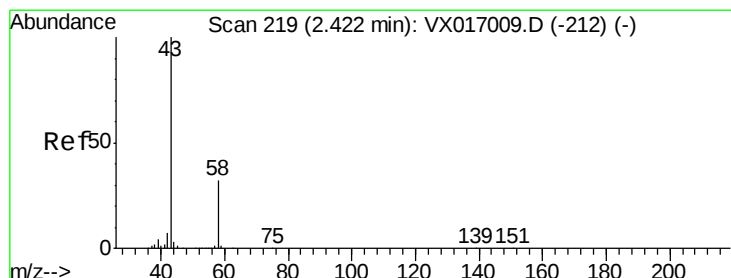
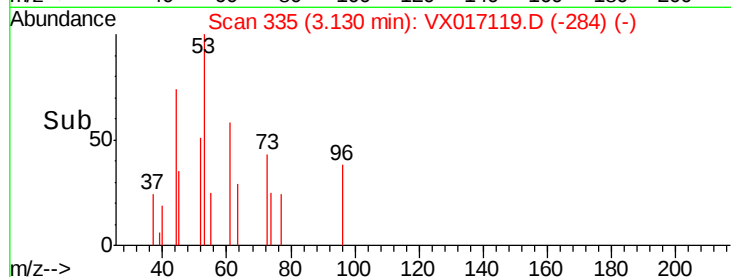
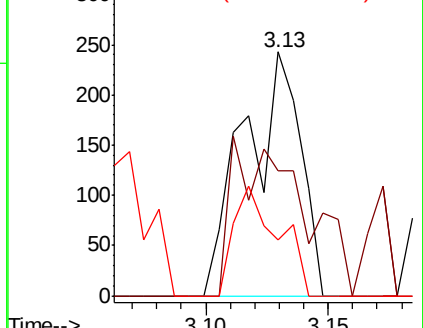
51 35.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.226 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017119.D

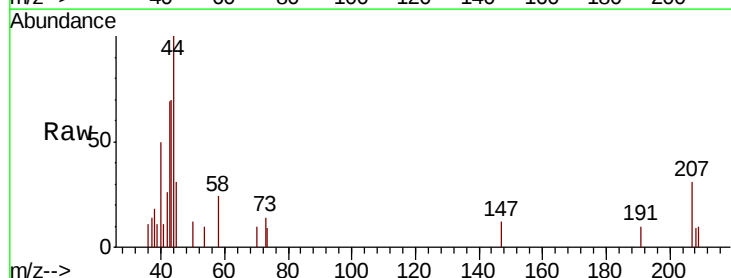
Acq: 01 Jul 2020 23:58

Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

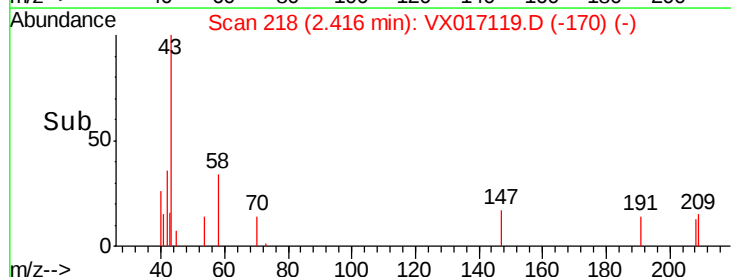
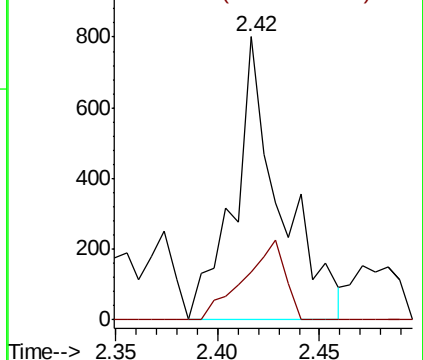
43 100

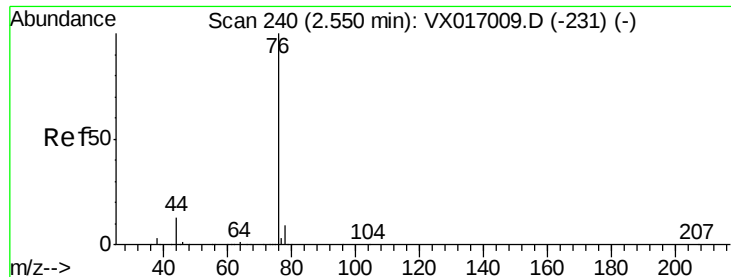
58 17.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

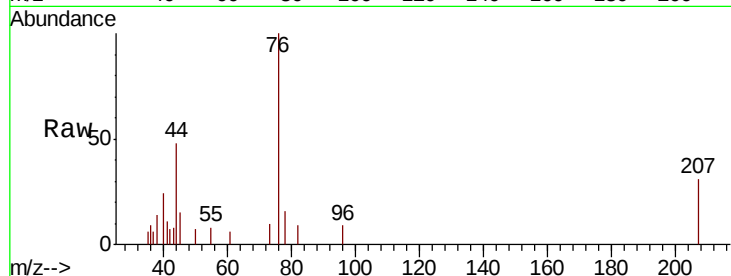




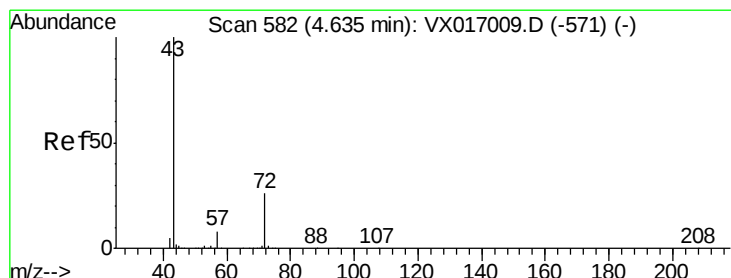
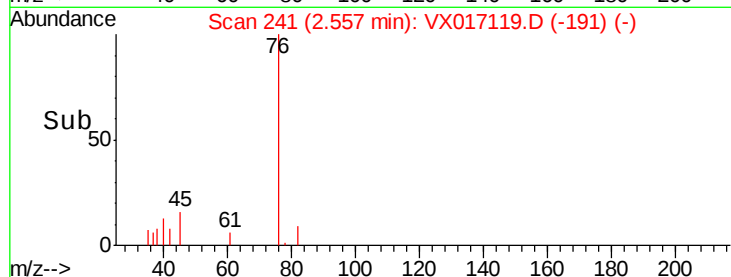
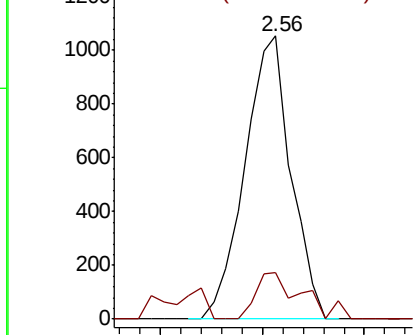
#17
Carbon Disulfide
Concen: 0.292 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX017119.D
Acq: 01 Jul 2020 23:58

Instrument :
MSVOA_X
ClientSampleId :
23BR-20200629

Tot Ion: 76 Resp: 1650
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

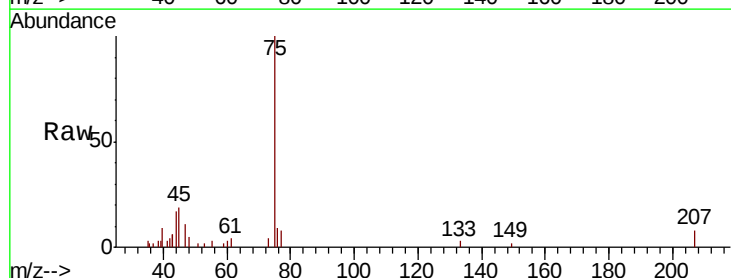


Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

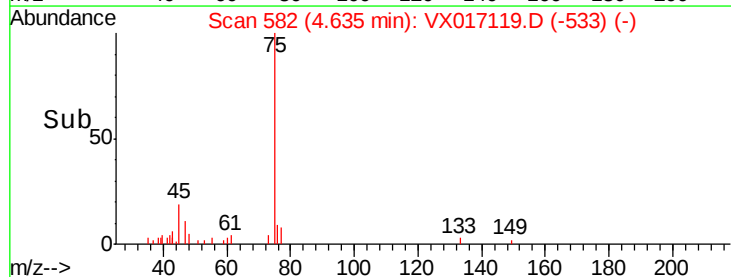
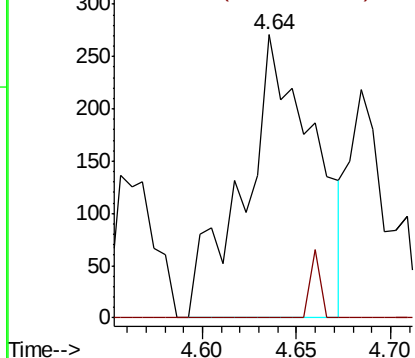


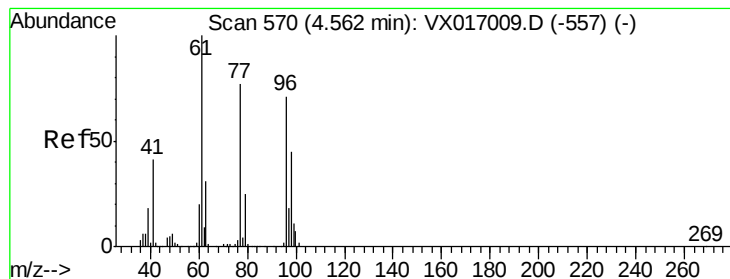
#25
2-Butanone
Concen: 0.411 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX017119.D
Acq: 01 Jul 2020 23:58

Tgt Ion: 43 Resp: 701
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



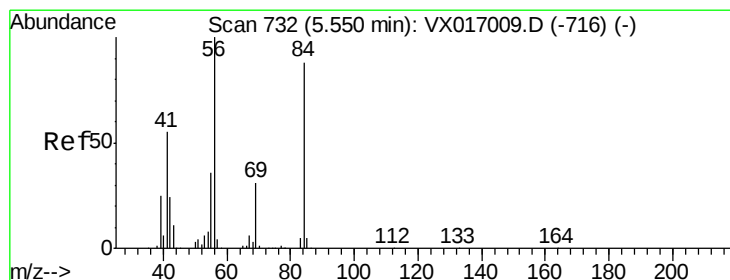
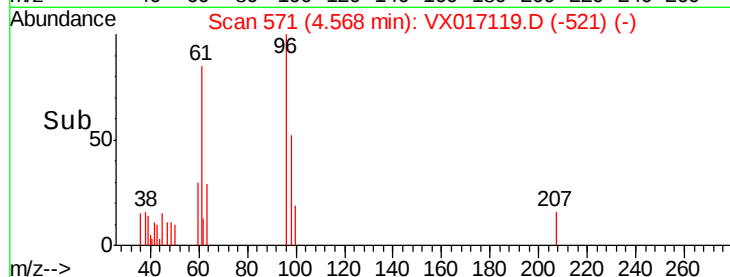
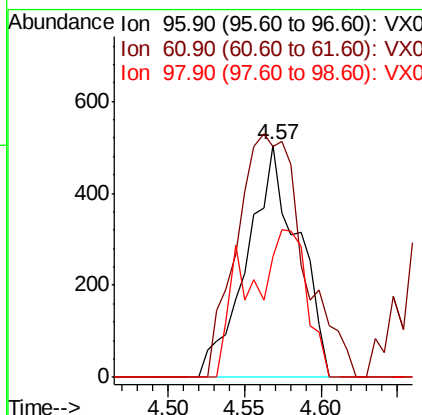
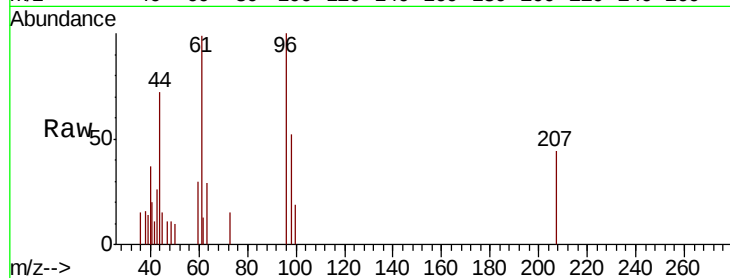


#27

cis-1,2-Dichloroethene
 Concen: 0.425 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017119.D
 Acq: 01 Jul 2020 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 23BR-20200629

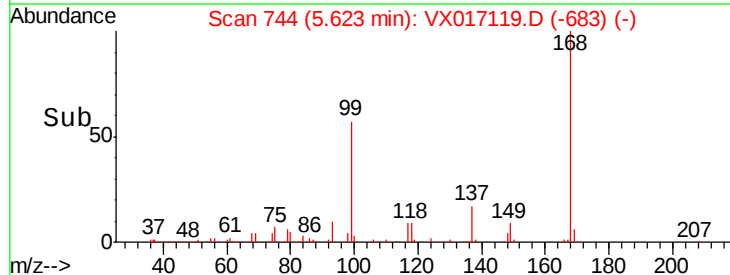
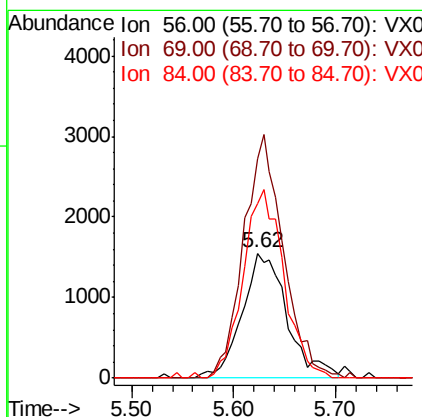
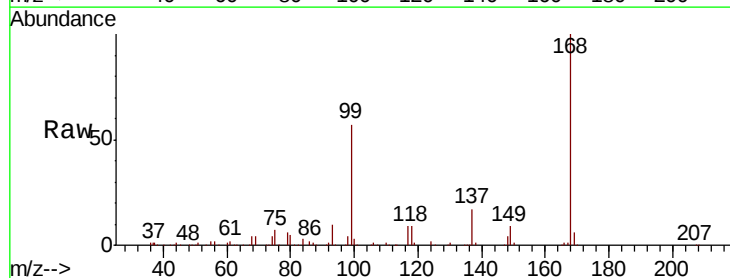
Tot Ion: 96 Resp: 1173
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 282.8
 98 43.5 0.0 127.6

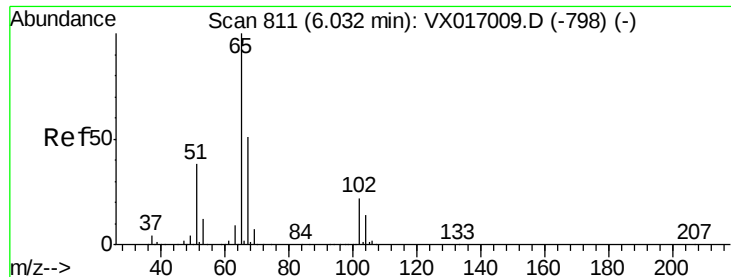


#31

Cyclohexane
 Concen: 1.287 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX017119.D
 Acq: 01 Jul 2020 23:58

Tgt Ion: 56 Resp: 4748
 Ion Ratio Lower Upper
 56 100
 69 175.1 25.0 37.4#
 84 139.7 69.1 103.7#

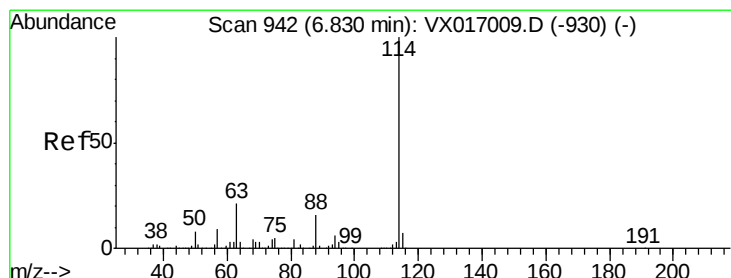
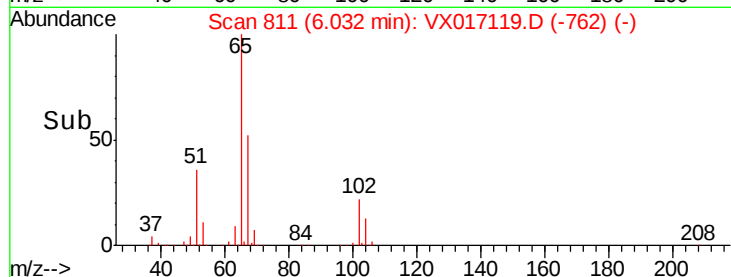
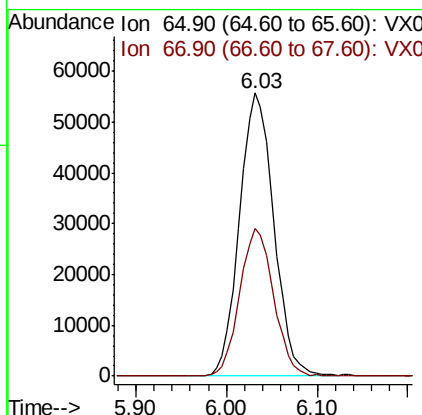
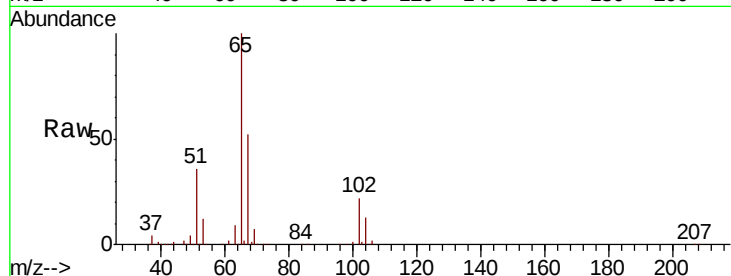




#33
 1,2-Dichloroethane-d4
 Concen: 53.532 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017119.D
 Acq: 01 Jul 2020 23:58

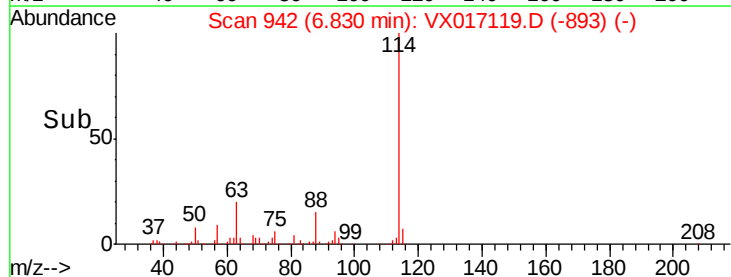
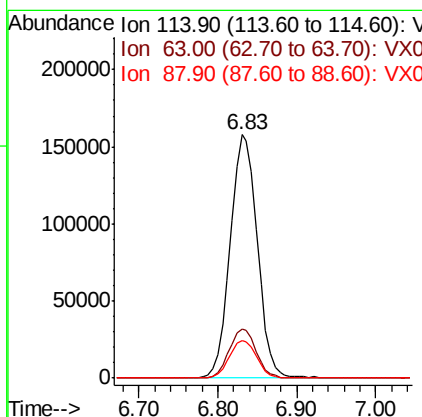
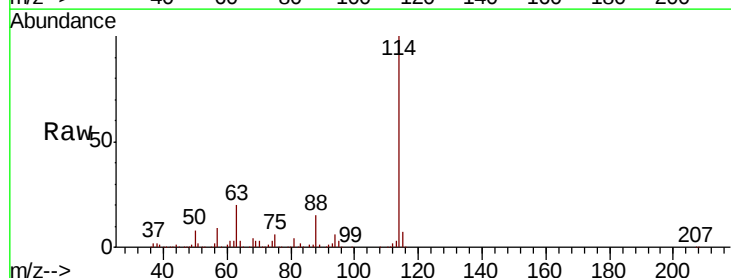
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 ClientSampleId :
 23BR-20200629

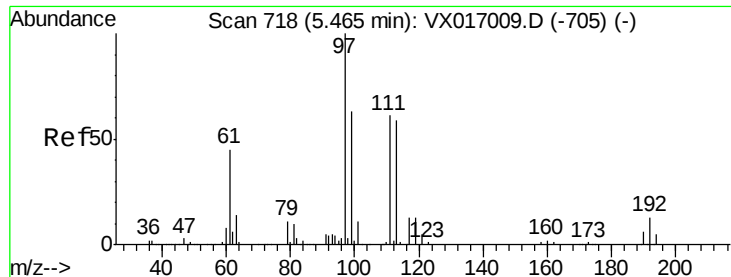
Tot Ion: 65 Resp: 146310
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017119.D
 Acq: 01 Jul 2020 23:58

Tgt Ion: 114 Resp: 377574
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.4 0.0 32.4

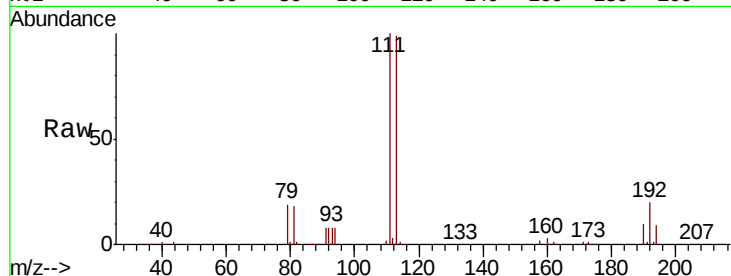




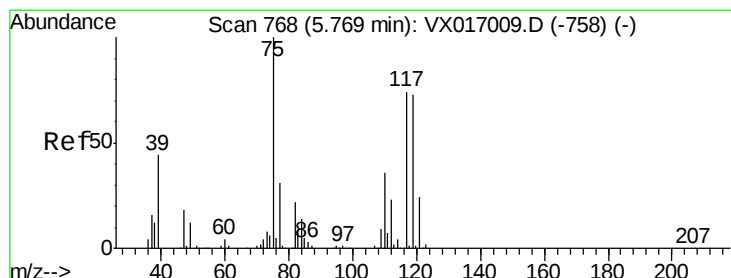
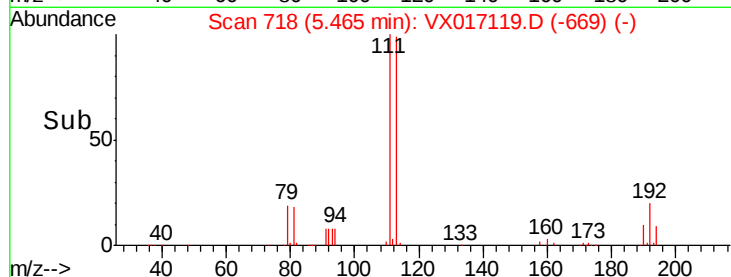
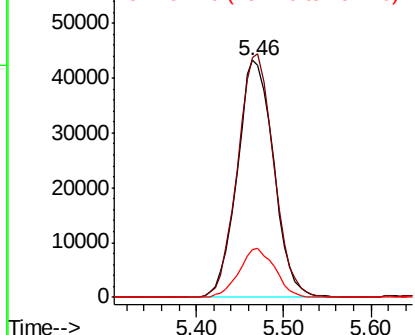
#35
 Dibromofluoromethane
 Concen: 52.423 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX017119.D
 Acq: 01 Jul 2020 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 23BR-20200629

Tot Ion:113 Resp: 125208
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.9 122.9
 192 20.3 16.7 25.1

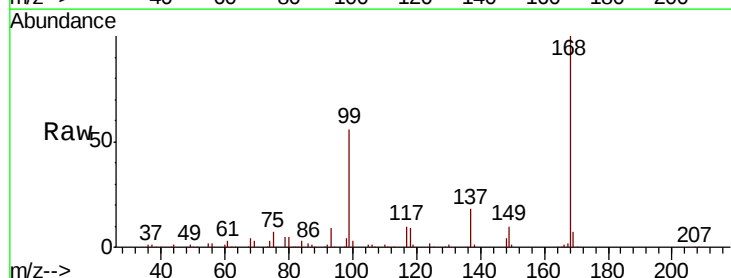


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

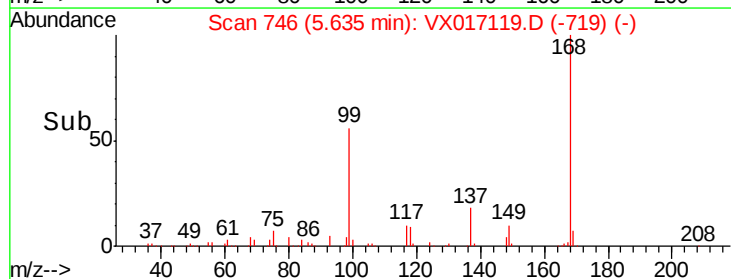
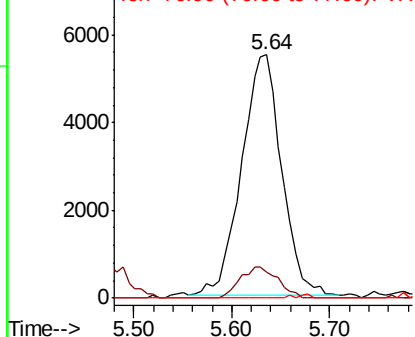


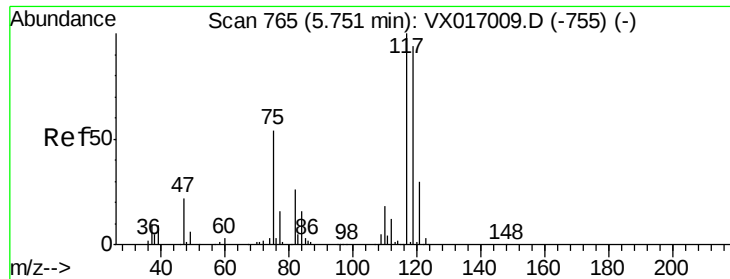
#36
 1,1-Dichloropropene
 Concen: 4.381 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017119.D
 Acq: 01 Jul 2020 23:58

Tgt Ion: 75 Resp: 15635
 Ion Ratio Lower Upper
 75 100
 110 12.2 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: 5.660 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017119.D

Acq: 01 Jul 2020 23:58

Instrument :

MSVOA_X

ClientSampleId :

23BR-20200629

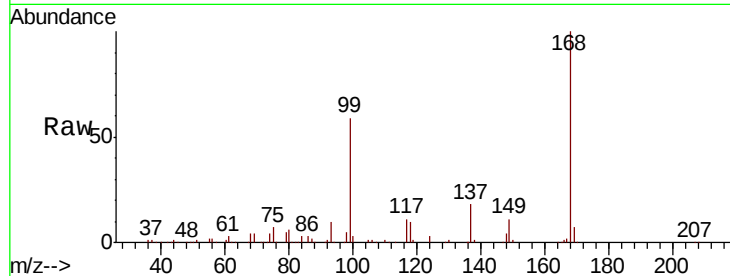
Tot Ion:117 Resp: 22246

Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.0#

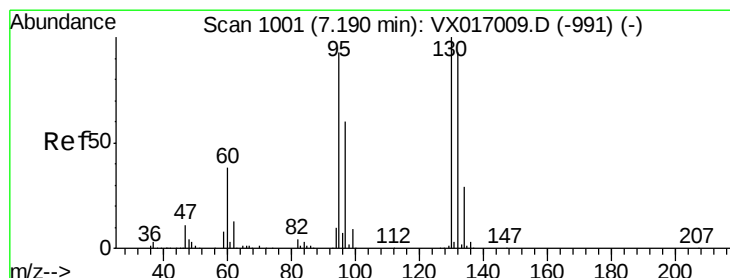
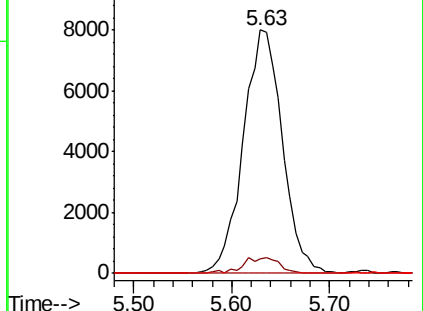
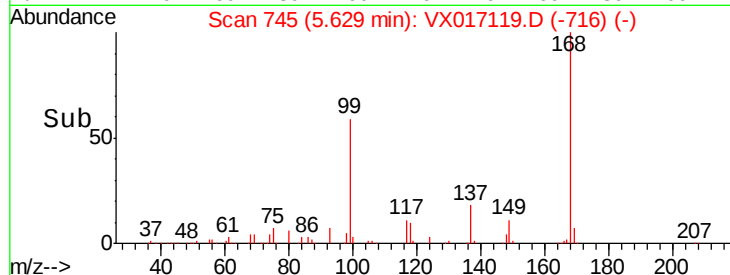
121 0.0 23.8 35.6#



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



#44

Trichloroethene

Concen: 0.209 ug/l

RT: 7.20 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VX017119.D

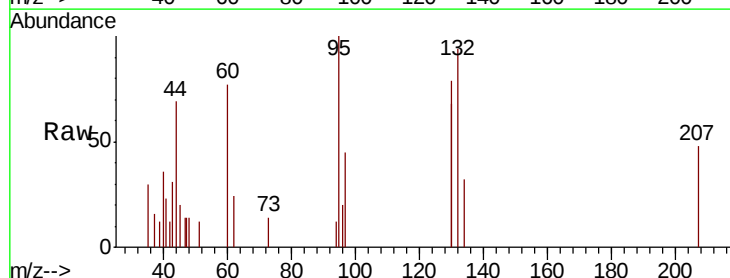
Acq: 01 Jul 2020 23:58

Tgt Ion:130 Resp: 1498

Ion Ratio Lower Upper

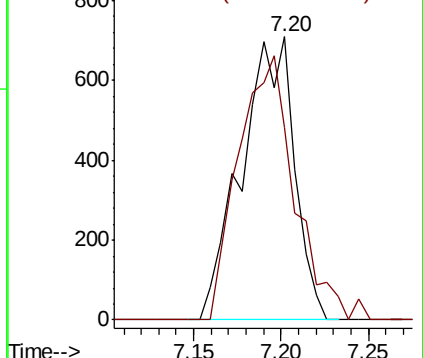
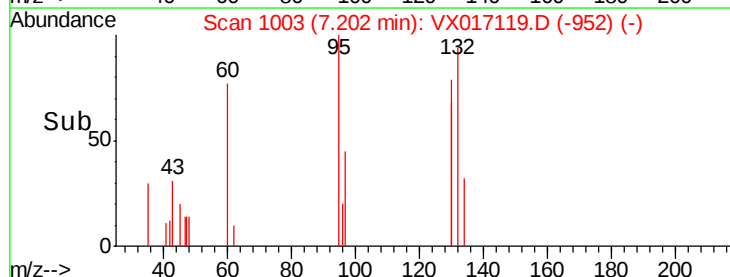
130 100

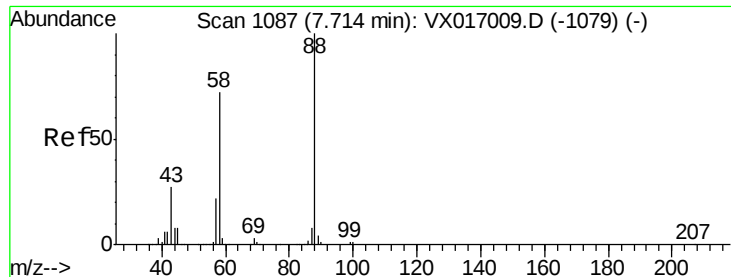
95 68.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

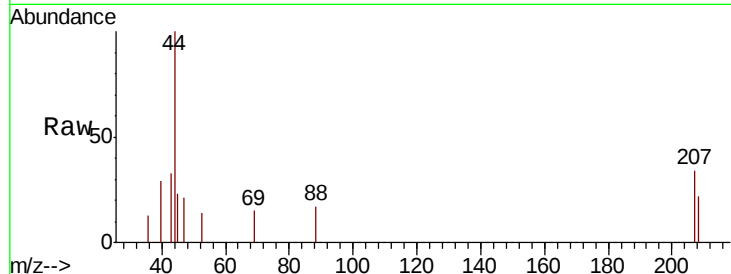




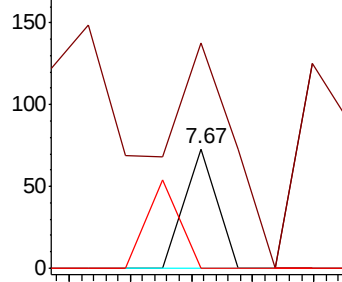
#49
1,4-Dioxane
Concen: 0.417 ug/l
RT: 7.67 min Scan# 1080
Delta R.T. -0.04 min
Lab File: VX017119.D
Acq: 01 Jul 2020 23:58

Instrument :
MSVOA_X
ClientSampleId :
23BR-20200629

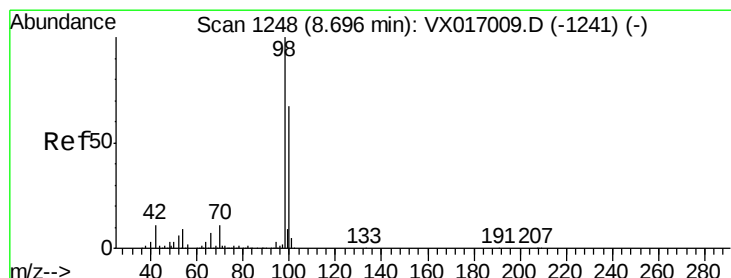
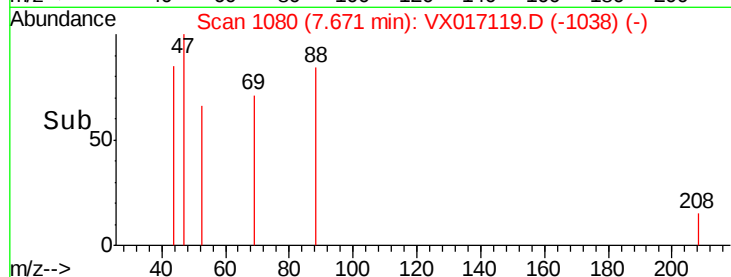
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.8#
58	74.1	54.8	82.2



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

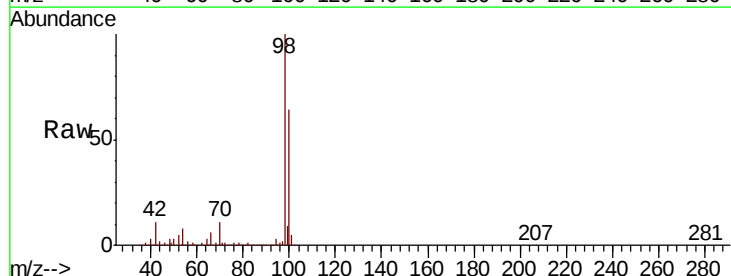


Time-->

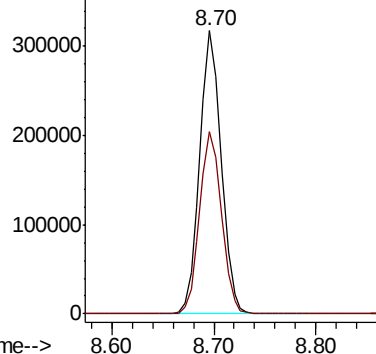


#50
Toluene-d8
Concen: 52.539 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017119.D
Acq: 01 Jul 2020 23:58

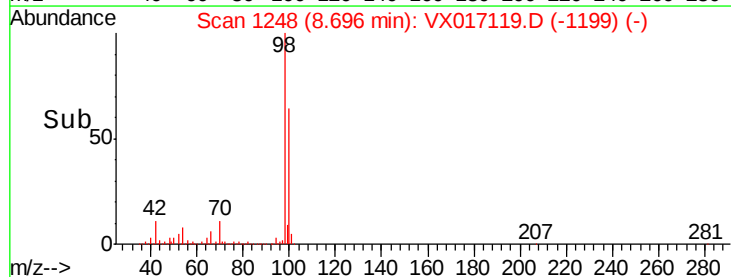
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.8	80.6

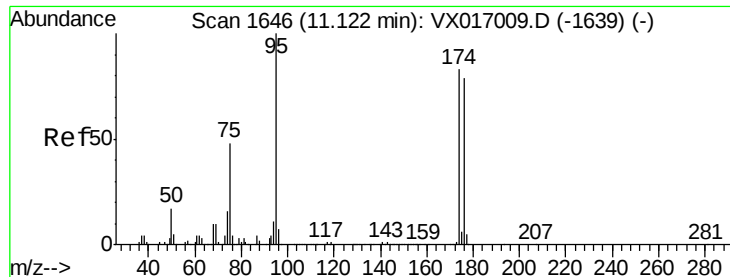


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 56.433 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017119.D

Acq: 01 Jul 2020 23:58

Instrument :

MSVOA_X

ClientSampleId :

23BR-20200629

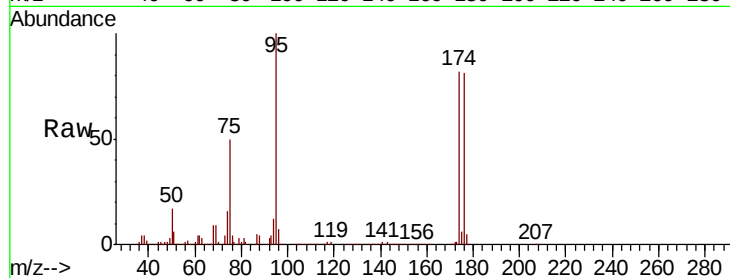
Tot Ion: 95 Resp: 194834

Ion Ratio Lower Upper

95 100

174 82.7 0.0 164.0

176 78.9 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

200000

150000

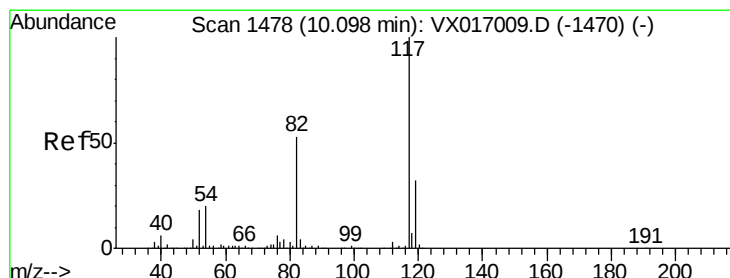
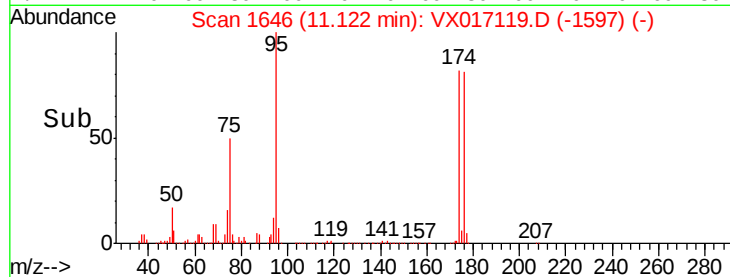
100000

50000

0

11.10 11.12 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017119.D

Acq: 01 Jul 2020 23:58

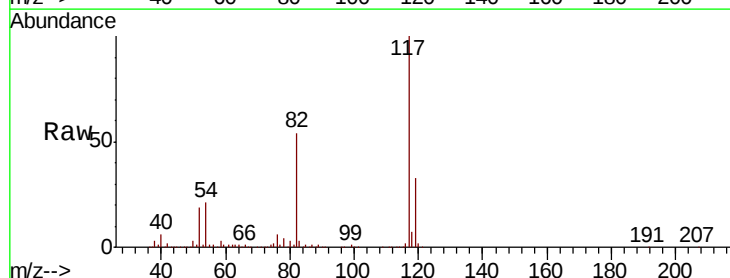
Tgt Ion: 117 Resp: 387776

Ion Ratio Lower Upper

117 100

82 53.7 42.6 63.8

119 33.1 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

400000

300000

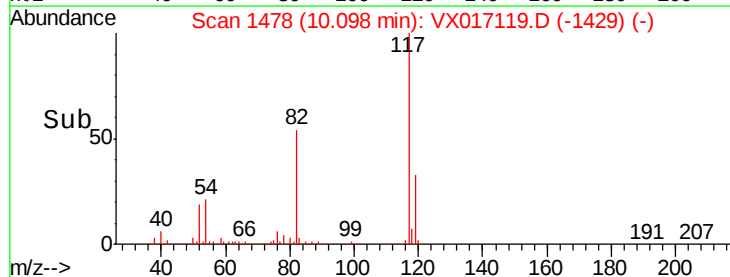
200000

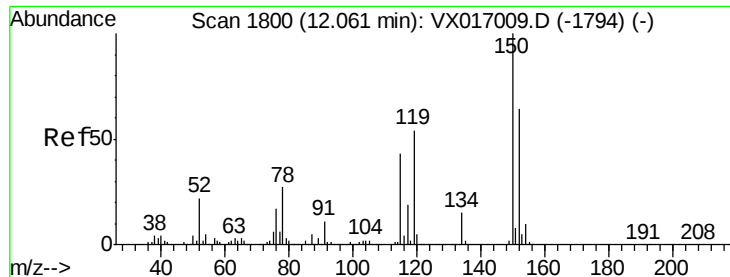
100000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017119.D

Acq: 01 Jul 2020 23:58

Instrument :

MSVOA_X

ClientSampleId :

23BR-20200629

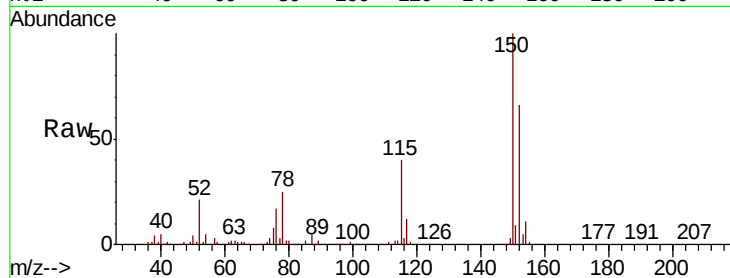
Tot Ion:152 Resp: 203297

Ion Ratio Lower Upper

152 100

115 59.5 40.9 122.7

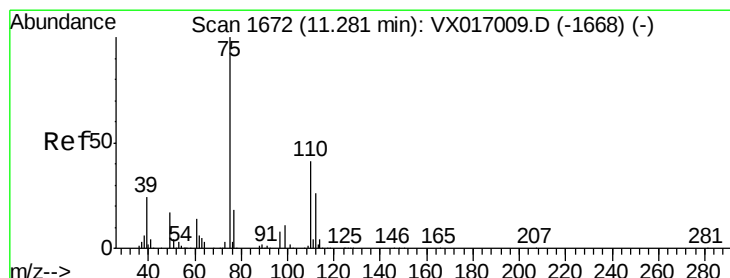
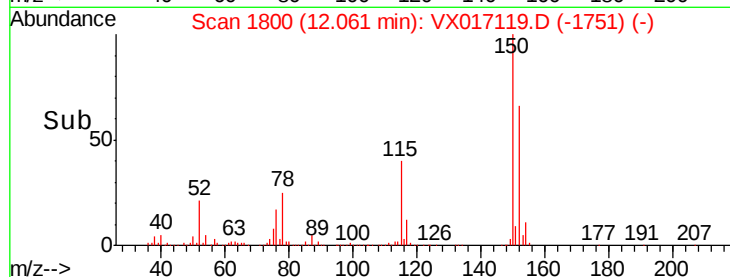
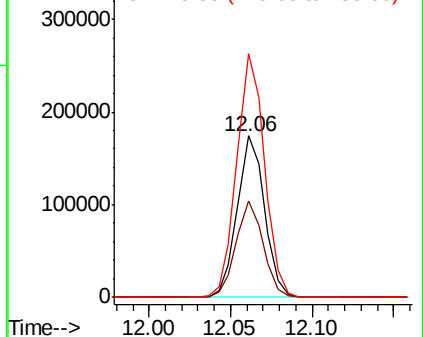
150 153.4 0.0 351.6



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: 24.473 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017119.D

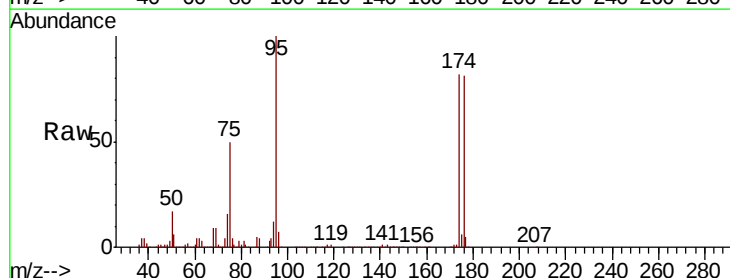
Acq: 01 Jul 2020 23:58

Tgt Ion: 75 Resp: 97835

Ion Ratio Lower Upper

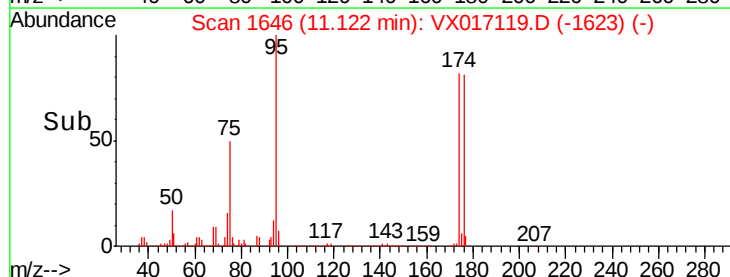
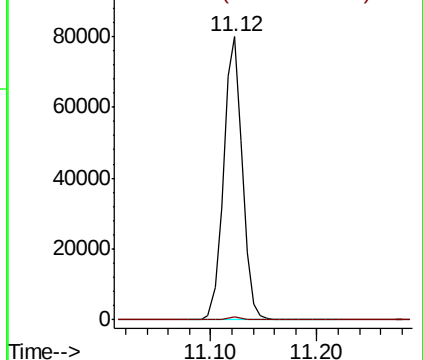
75 100

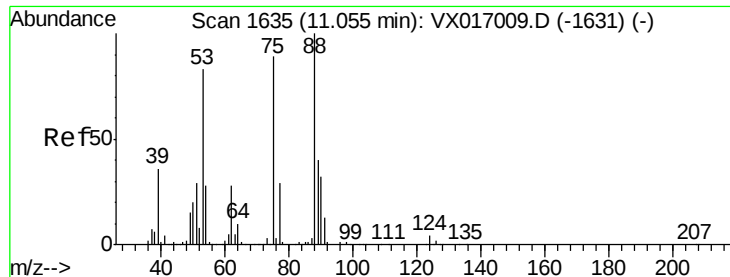
77 1.1 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

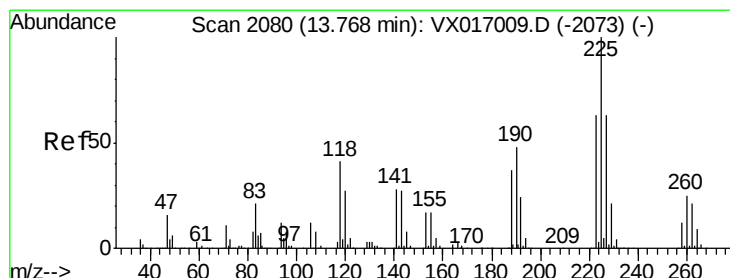
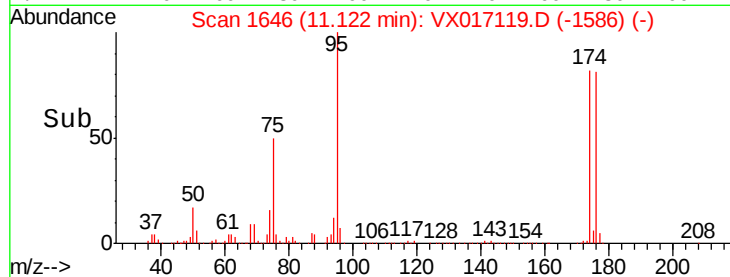
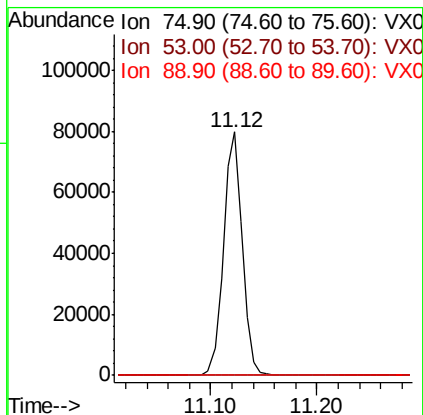
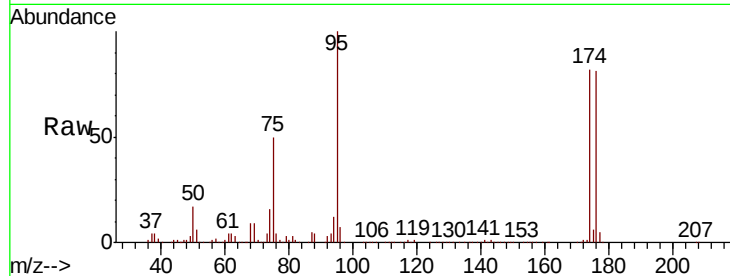




#81
trans-1,4-Dichloro-2-butene
Concen: 63.376 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017119.D
Acq: 01 Jul 2020 23:58

Instrument :
MSVOA_X
ClientSampleId :
23BR-20200629

Tot Ion: 75 Resp: 97835
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 1.054 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX017119.D
Acq: 01 Jul 2020 23:58

Tgt Ion: 225 Resp: 343
Ion Ratio Lower Upper
225 100
223 5.8 32.5 97.5#
227 35.0 33.1 99.2

