

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017018.D
 Acq On : 29 Jun 2020 19:40
 Operator : JC/SP
 Sample : L3112-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB01-20200623

Quant Time: Jun 30 05:31:51 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	269998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	464476	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	477932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242858	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	173497	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.24%		
35) Dibromofluoromethane	5.46	113	149288	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.62%		
50) Toluene-d8	8.70	98	566480	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.28%		
62) 4-Bromofluorobenzene	11.12	95	235582	55.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.94%		

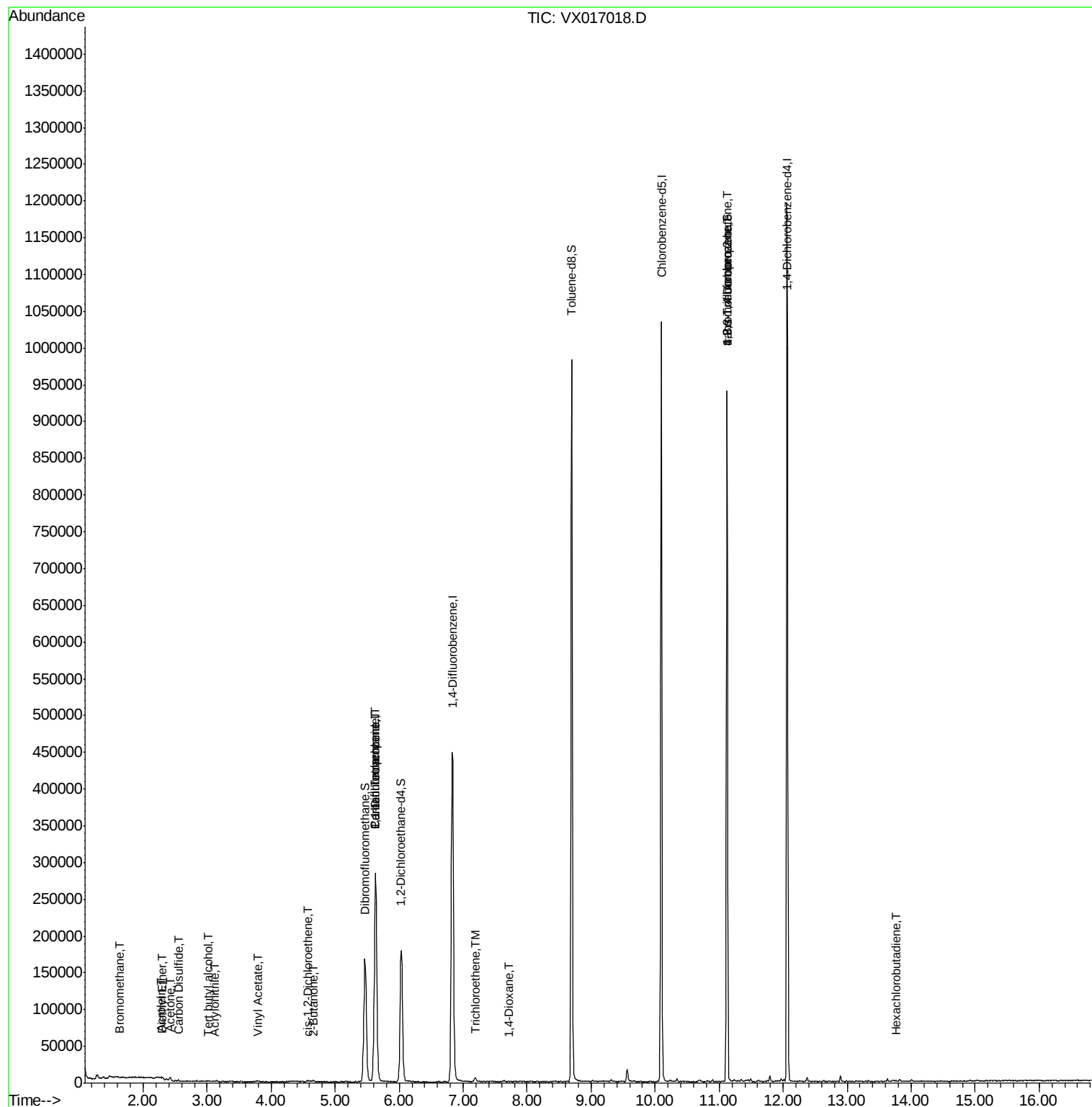
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	388	0.250	ug/l #	44
8) Diethyl Ether	2.29	74	53	0.401	ug/l	51
11) Tert butyl alcohol	3.02	59	361	0.569	ug/l	98
13) Acrolein	2.28	56	199	0.524	ug/l #	1
15) Acrylonitrile	3.12	53	457	0.299	ug/l #	32
16) Acetone	2.42	43	5591	4.490	ug/l	98
17) Carbon Disulfide	2.55	76	2427	0.348	ug/l #	70
20) Methylene Chloride	2.84	84	556	Below Cal	#	93
23) Vinyl Acetate	3.79	43	1994	0.254	ug/l	97
25) 2-Butanone	4.66	43	1970	0.949	ug/l #	87
27) cis-1,2-Dichloroethene	4.57	96	1164	0.347	ug/l	69
36) 1,1-Dichloropropene	5.62	75	20506	4.671	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27748	5.739	ug/l #	17
44) Trichloroethene	7.19	130	1860	0.214	ug/l	77
49) 1,4-Dioxane	7.70	88	44	0.552	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	118430	24.799	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	118430	64.220	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	941	Below Cal		86
94) Hexachlorobutadiene	13.77	225	293	0.994	ug/l	93

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017018.D

Acq: 29 Jun 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

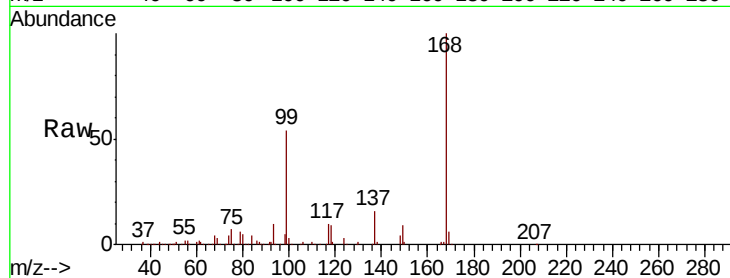
RB01-20200623

Tot Ion:168 Resp: 269998

Ion Ratio Lower Upper

168 100

99 54.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

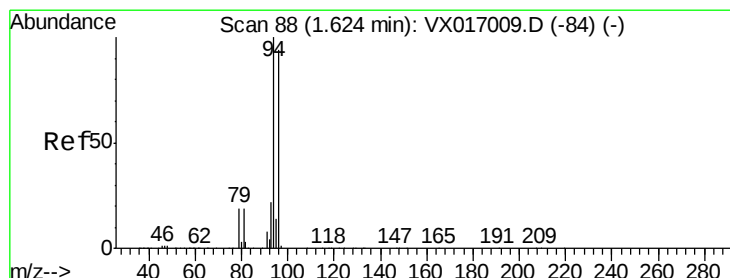
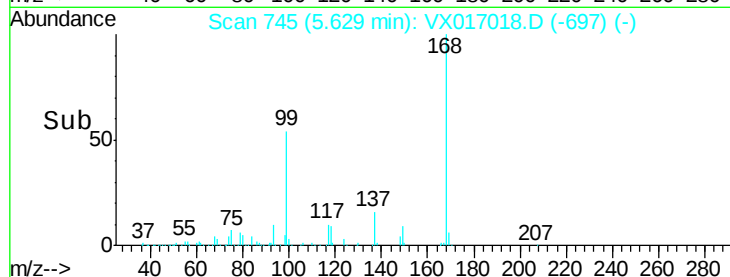
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.250 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017018.D

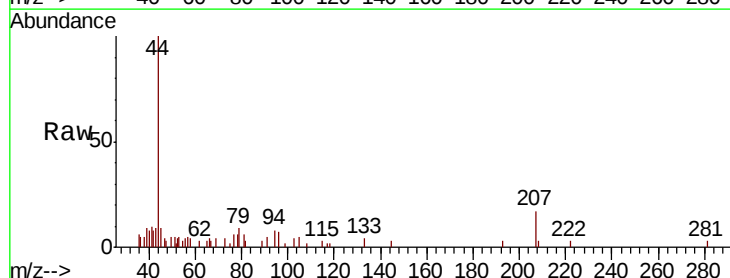
Acq: 29 Jun 2020 19:40

Tgt Ion: 94 Resp: 388

Ion Ratio Lower Upper

94 100

96 39.7 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

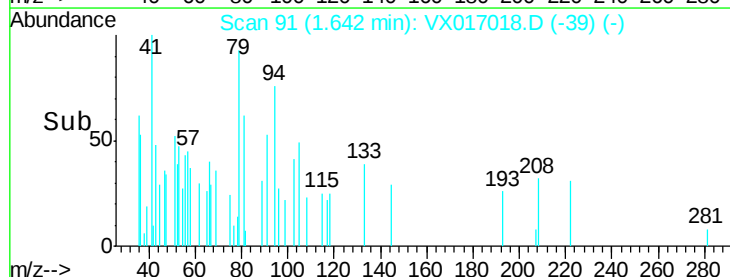
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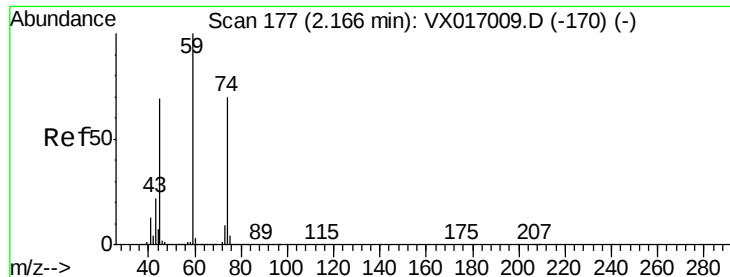
50

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 0.401 ug/l

RT: 2.29 min Scan# 198

Delta R.T. 0.13 min

Lab File: VX017018.D

Acq: 29 Jun 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

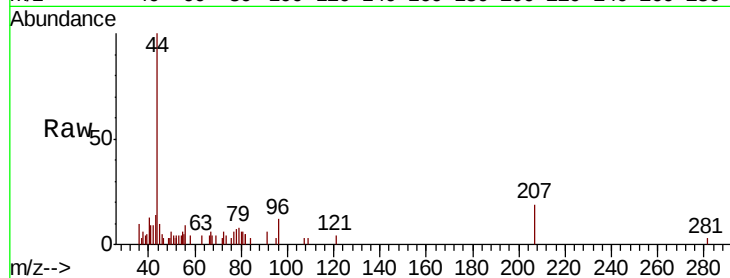
RB01-20200623

Tot Ion: 74 Resp: 53

Ion Ratio Lower Upper

74 100

45 50.9 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

200

150

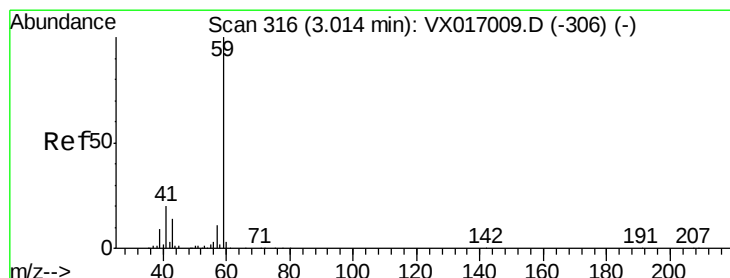
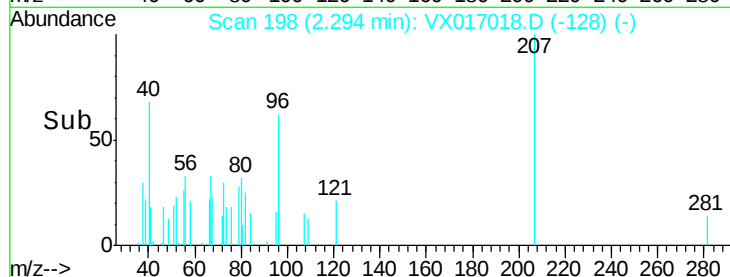
100

50

0

2.28 2.29 2.30 2.31 2.32

Time-->



#11

Tert butyl alcohol

Concen: 0.569 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX017018.D

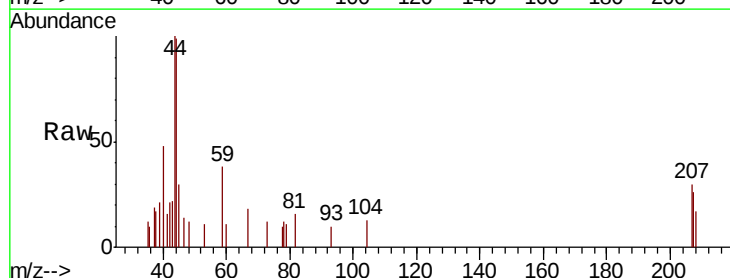
Acq: 29 Jun 2020 19:40

Tgt Ion: 59 Resp: 361

Ion Ratio Lower Upper

59 100

57 11.1 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

200

150

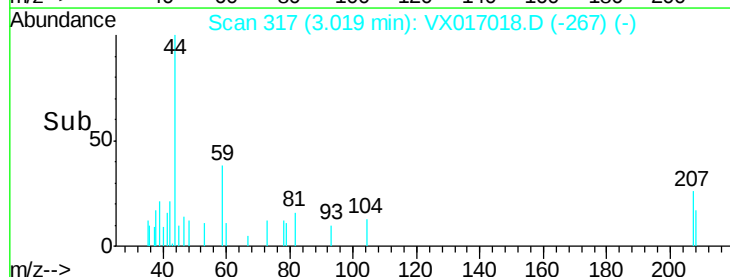
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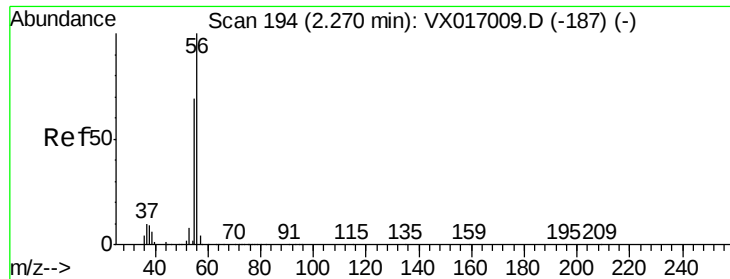
50

0

3.00 3.02 3.05

Time-->





#13

Acrolein

Concen: 0.524 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017018.D

Acq: 29 Jun 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

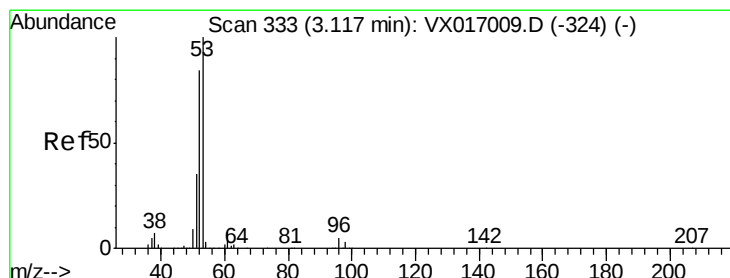
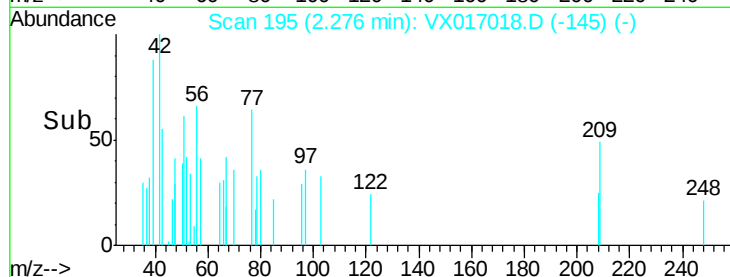
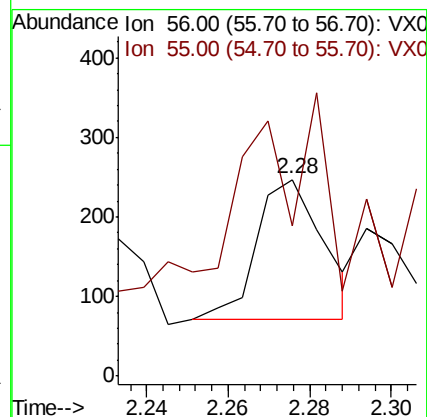
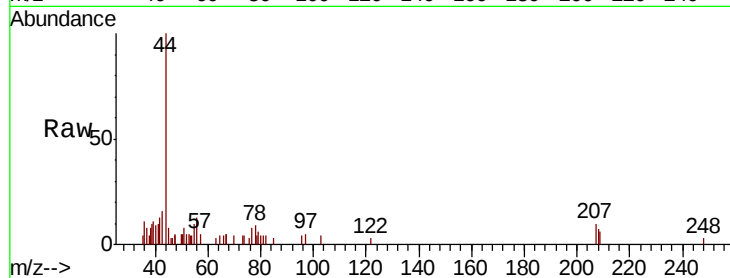
RB01-20200623

Tot Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 438.2 55.7 83.5#



#15

Acrylonitrile

Concen: 0.299 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017018.D

Acq: 29 Jun 2020 19:40

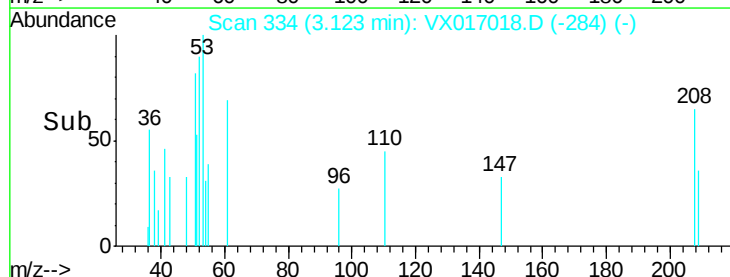
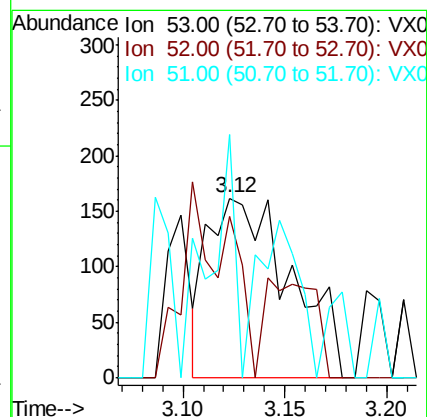
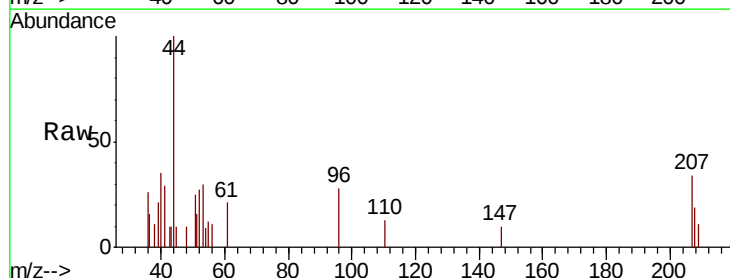
Tgt Ion: 53 Resp: 457

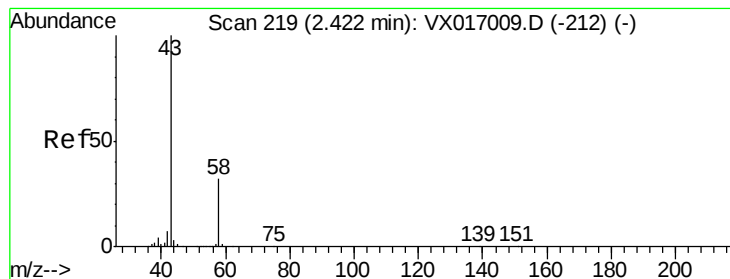
Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

51 42.5 28.3 42.5





#16

Acetone

Concen: 4.490 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017018.D

Acq: 29 Jun 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

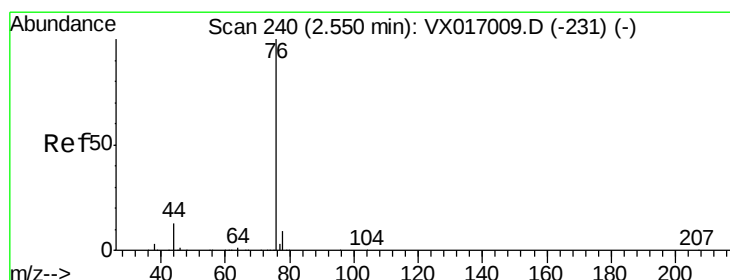
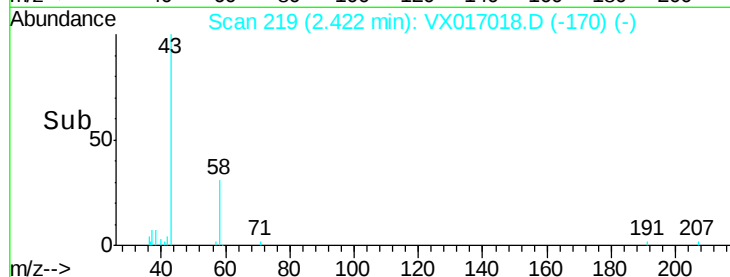
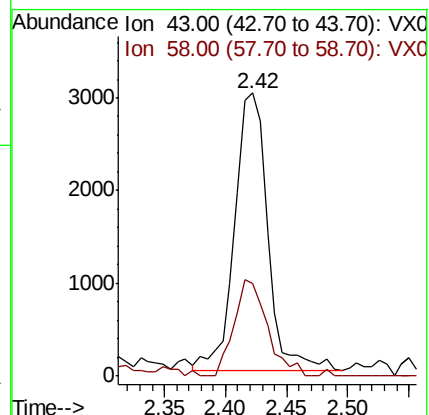
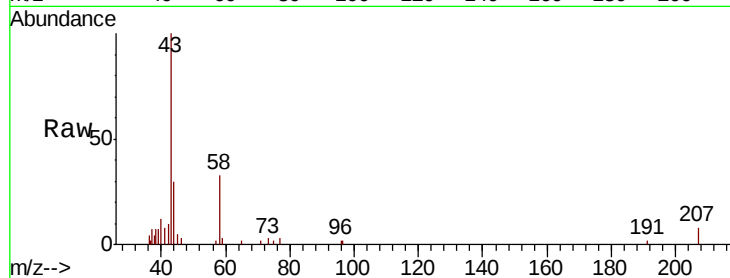
RB01-20200623

Tot Ion: 43 Resp: 5591

Ion Ratio Lower Upper

43 100

58 33.2 25.7 38.5



#17

Carbon Disulfide

Concen: 0.348 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017018.D

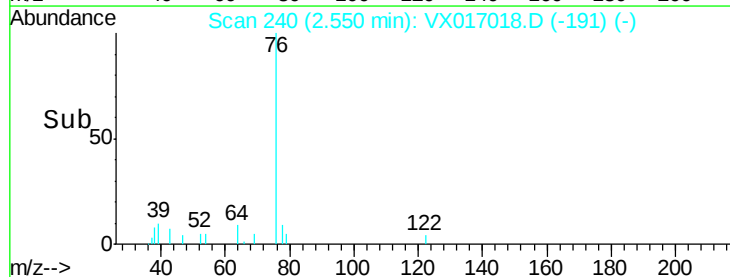
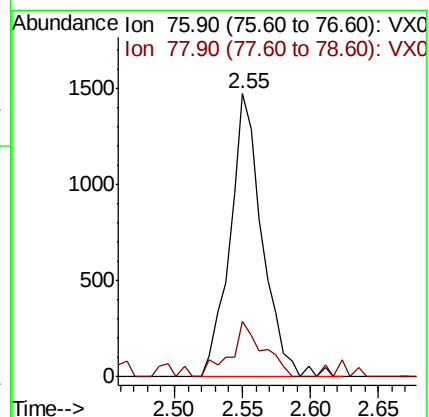
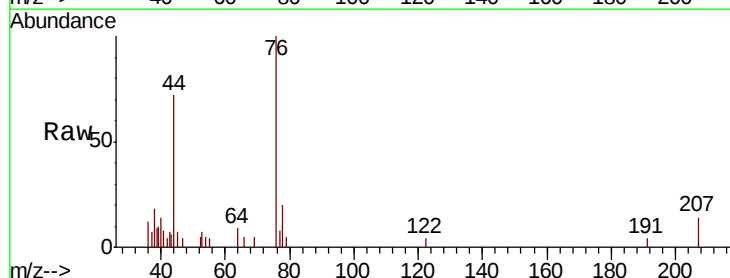
Acq: 29 Jun 2020 19:40

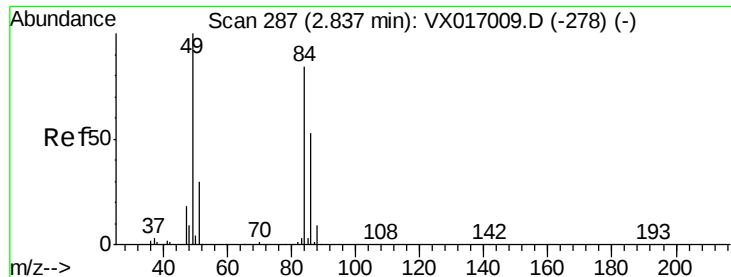
Tgt Ion: 76 Resp: 2427

Ion Ratio Lower Upper

76 100

78 19.8 7.2 10.8#

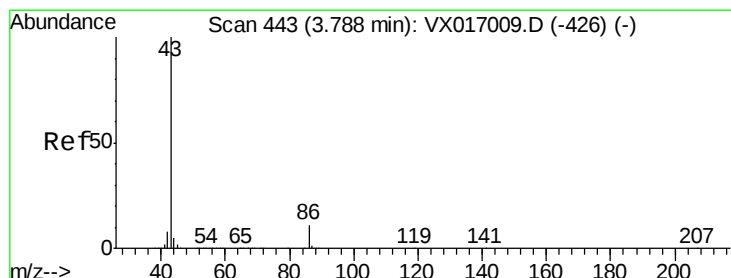
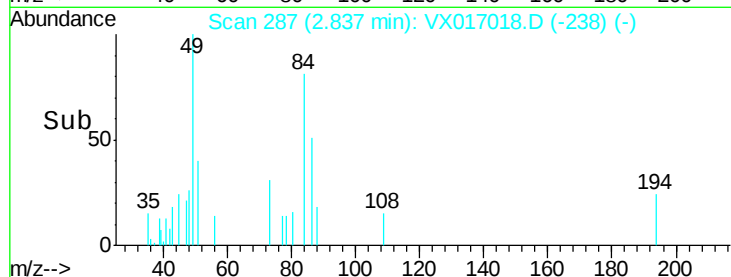
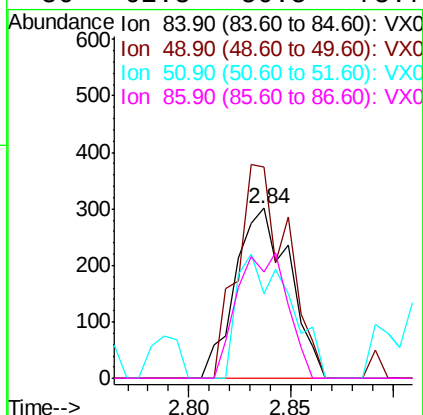
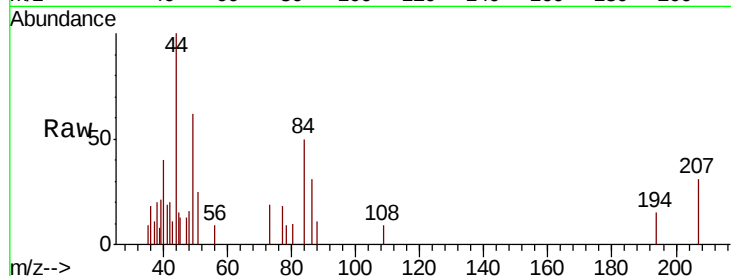




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

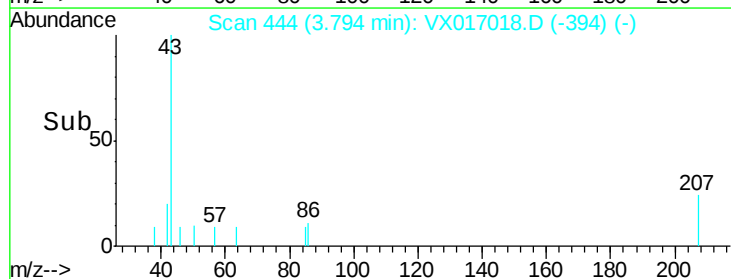
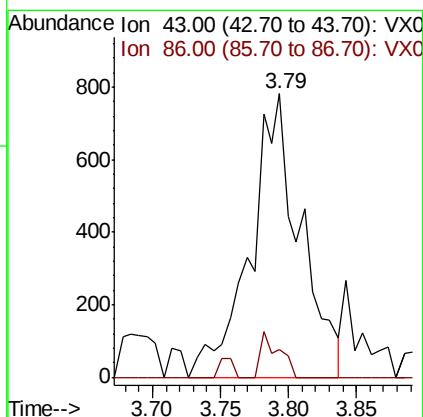
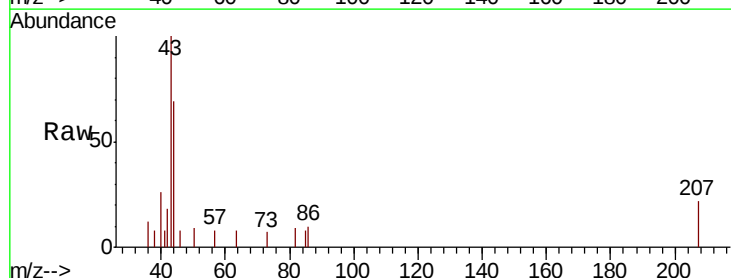
Instrument :
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ClientSampleId :
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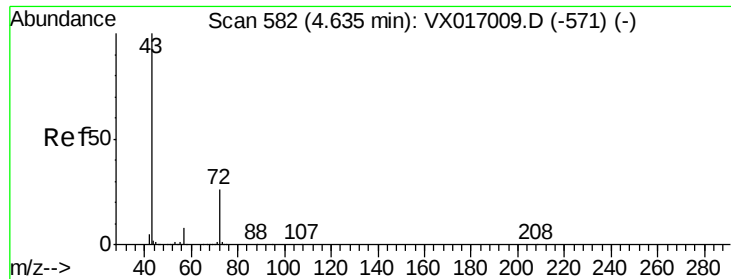
Tot Ion: 84 Resp: 556
Ion Ratio Lower Upper
84 100
49 123.9 94.7 142.1
51 49.8 28.6 42.8#
86 62.8 50.5 75.7



#23
Vinyl Acetate
Concen: 0.254 ug/l
RT: 3.79 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

Tgt Ion: 43 Resp: 1994
Ion Ratio Lower Upper
43 100
86 9.7 8.6 13.0

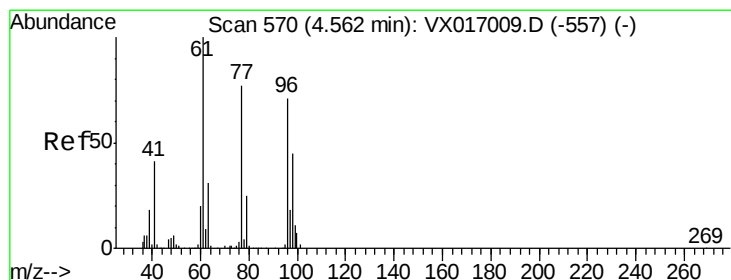
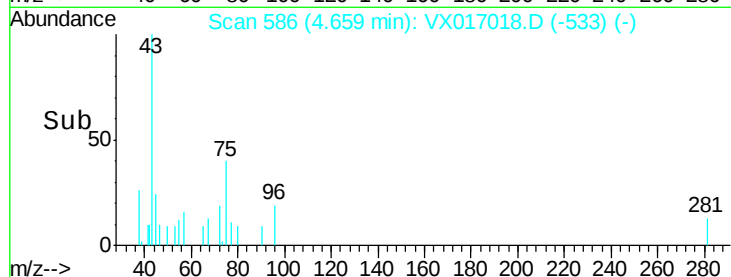
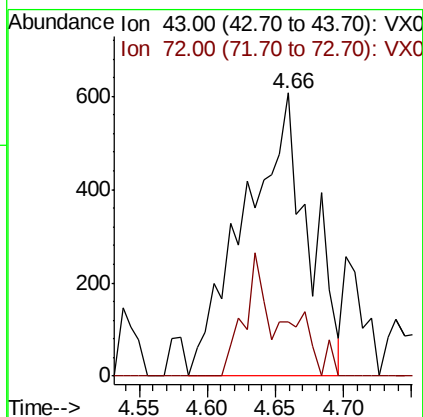
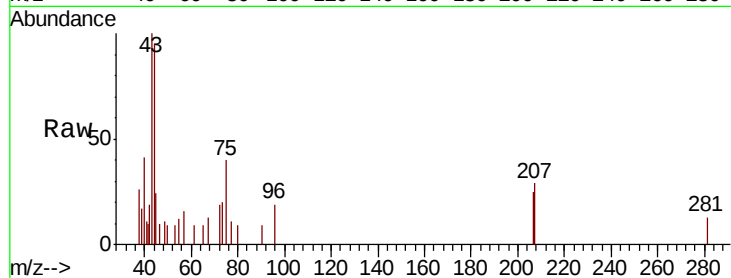




#25
2-Butanone
Concen: 0.949 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

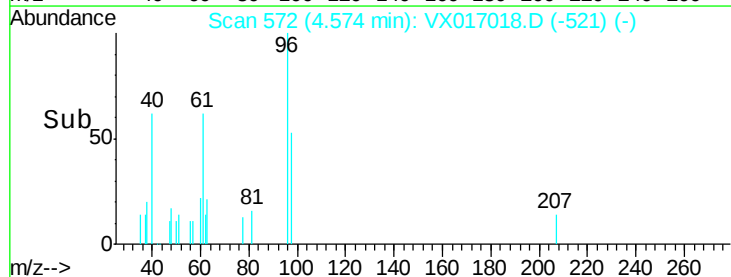
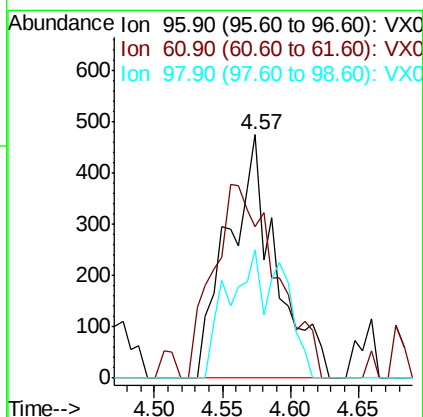
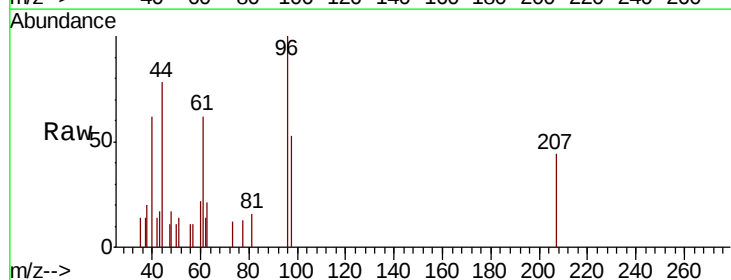
Instrument :
MSVOA_X
ClientSampleId :
RB01-20200623

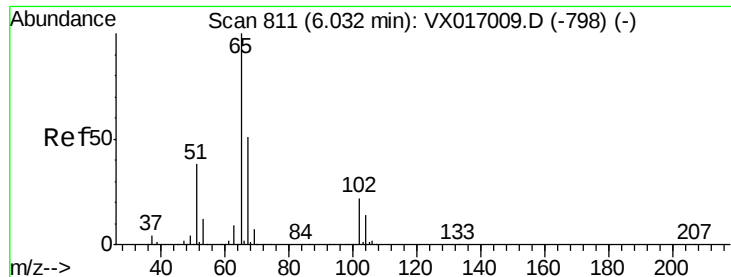
Tot Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
72 19.3 20.8 31.2#



#27
cis-1,2-Dichloroethene
Concen: 0.347 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

Tgt Ion: 96 Resp: 1164
Ion Ratio Lower Upper
96 100
61 104.4 0.0 282.8
98 37.2 0.0 127.6

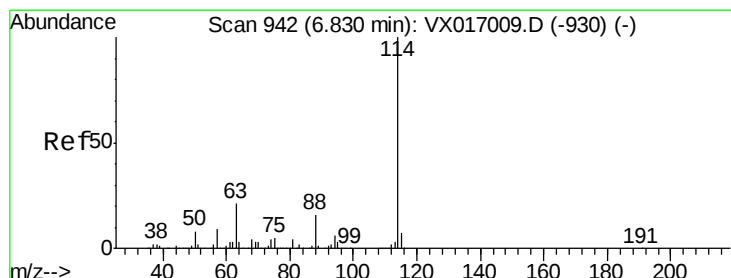
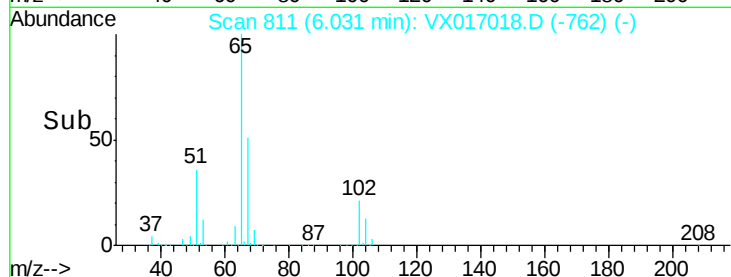
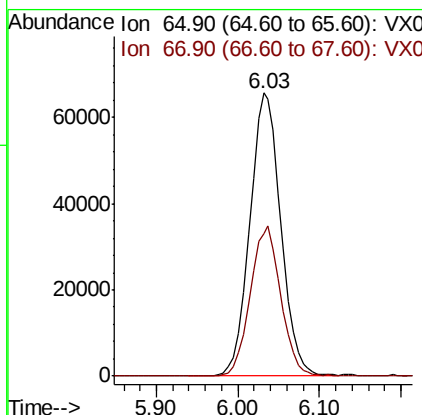
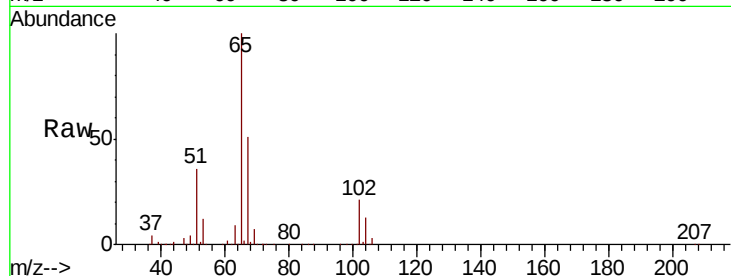




#33
 1,2-Dichloroethane-d4
 Concen: 52.124 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017018.D
 Acq: 29 Jun 2020 19:40

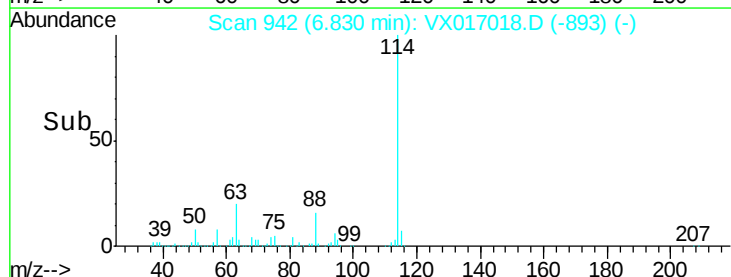
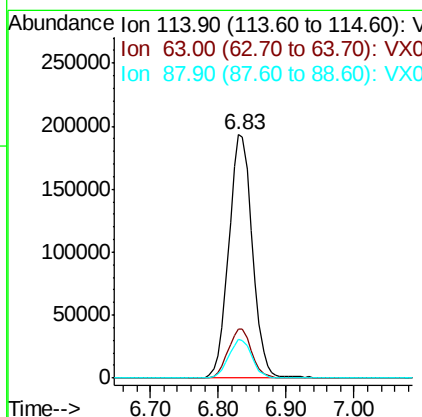
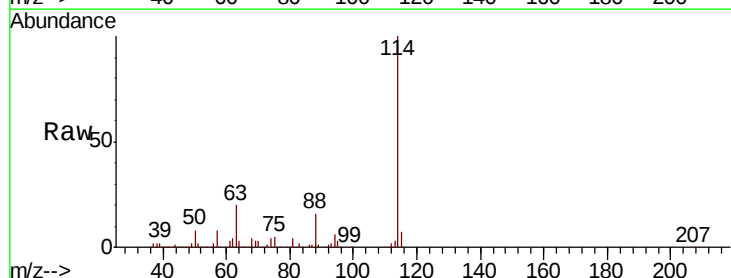
Instrument :
 MSVOA_X
 ClientSampleId :
 RB01-20200623

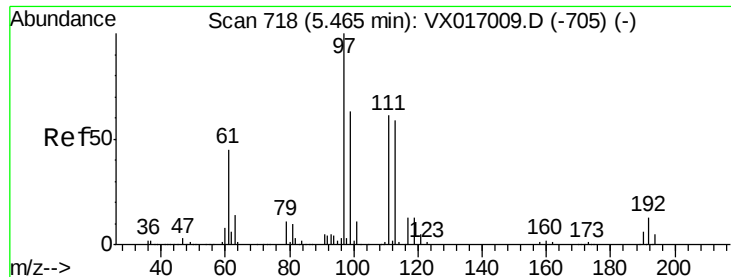
Tot Ion: 65 Resp: 173497
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017018.D
 Acq: 29 Jun 2020 19:40

Tgt Ion: 114 Resp: 464476
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 16.0 0.0 32.4

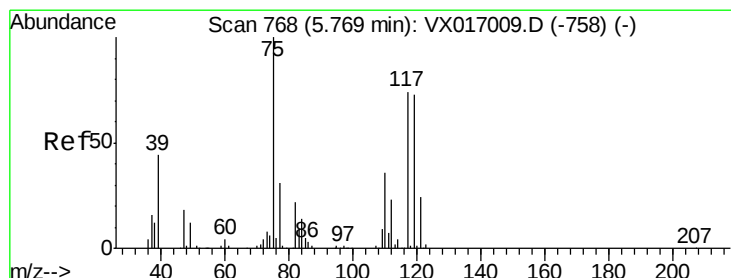
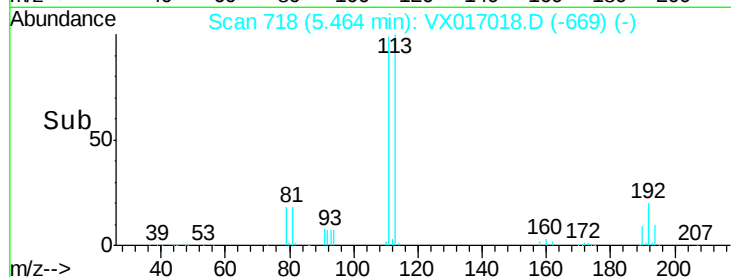
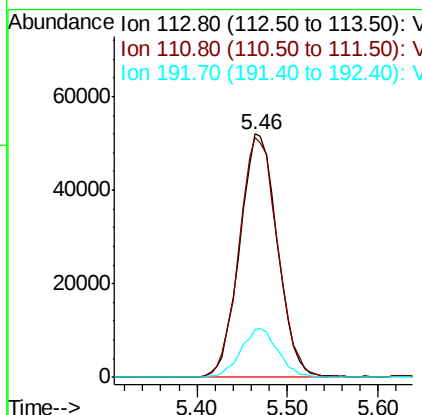
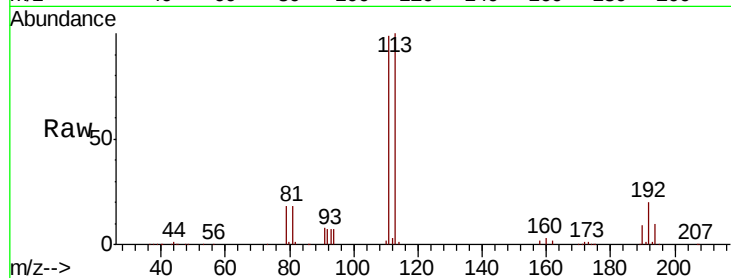




#35
 Dibromofluoromethane
 Concen: 50.810 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017018.D
 Acq: 29 Jun 2020 19:40

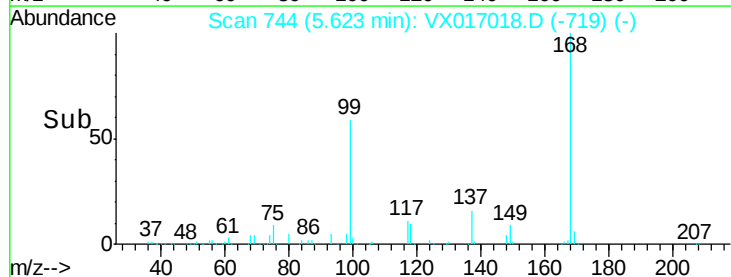
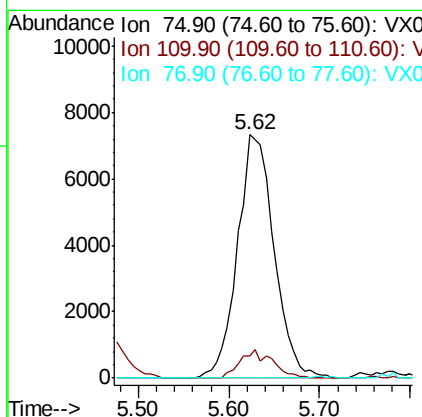
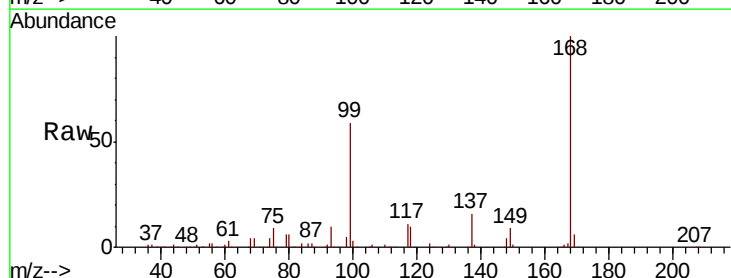
Instrument :
 MSVOA_X
 ClientSampleId :
 RB01-20200623

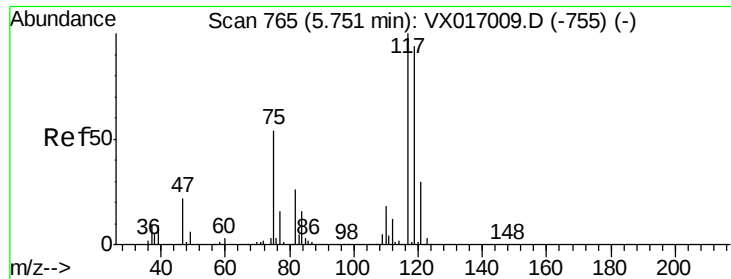
Tot Ion:113 Resp: 149288
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.9 122.9
 192 19.9 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017018.D
 Acq: 29 Jun 2020 19:40

Tgt Ion: 75 Resp: 20506
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.1#
 77 0.0 24.6 37.0#

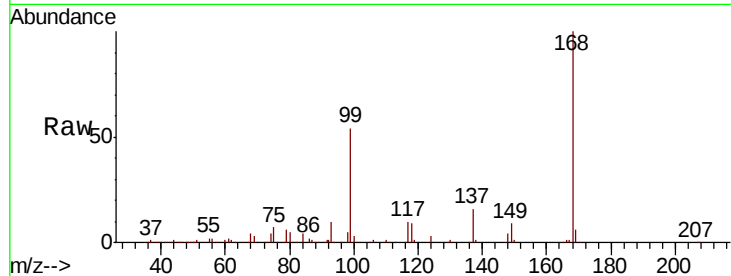




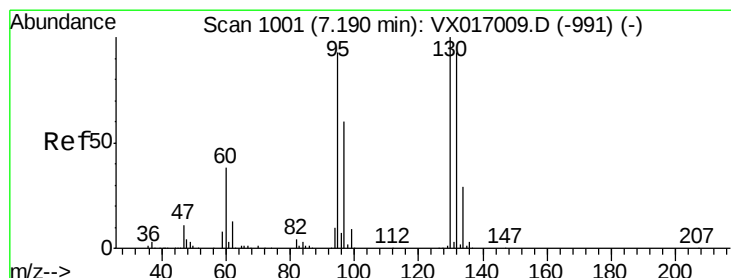
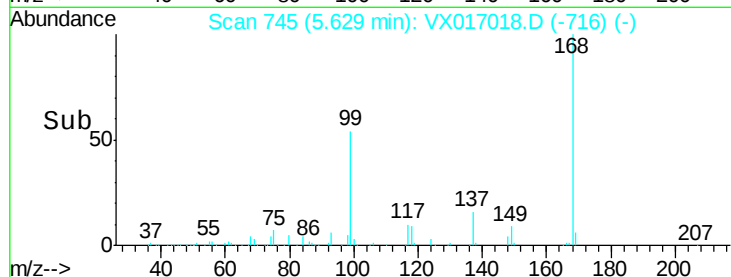
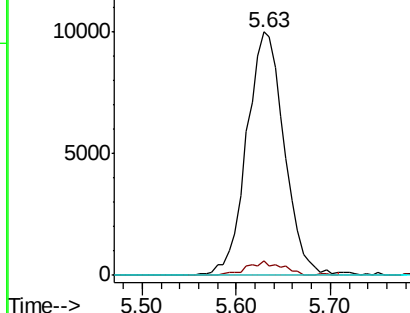
#38
Carbon Tetrachloride
Concen: 5.739 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
RB01-20200623

Tot Ion:117 Resp: 27748
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.0#
121 0.0 23.8 35.6#

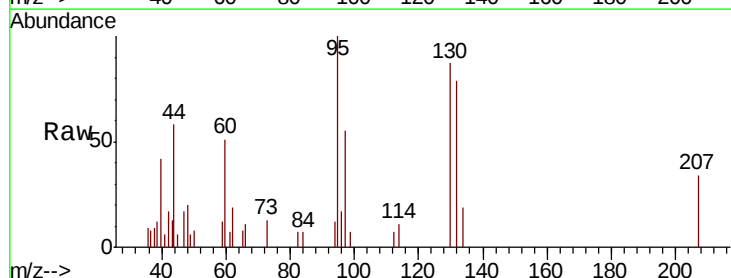


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

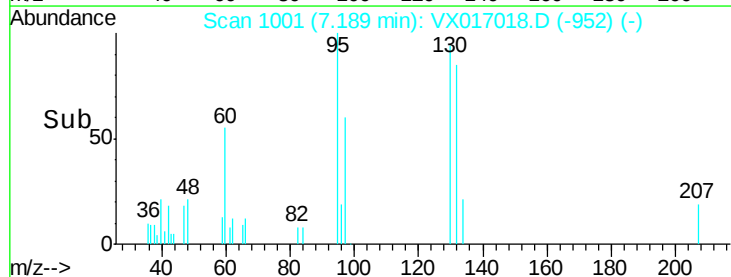
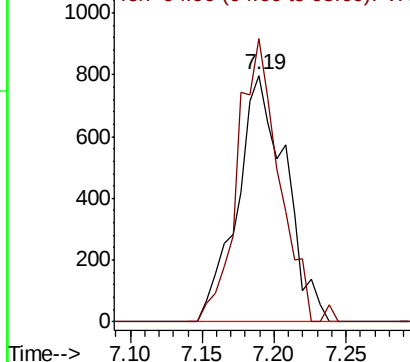


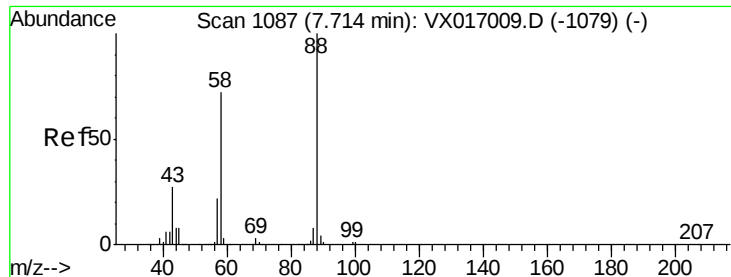
#44
Trichloroethene
Concen: 0.214 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

Tgt Ion:130 Resp: 1860
Ion Ratio Lower Upper
130 100
95 114.9 0.0 185.0



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

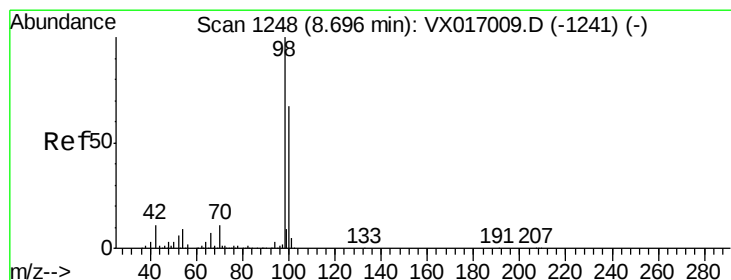
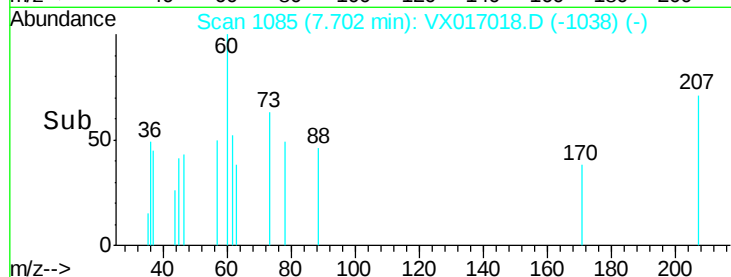
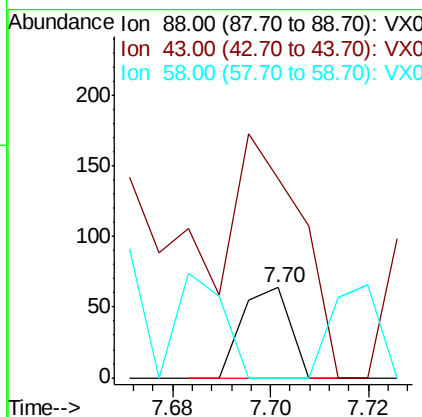
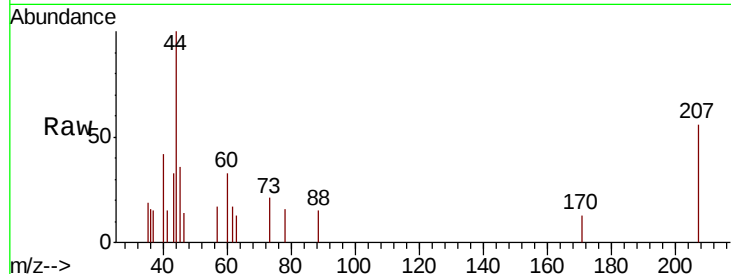




#49
1,4-Dioxane
Concen: 0.552 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

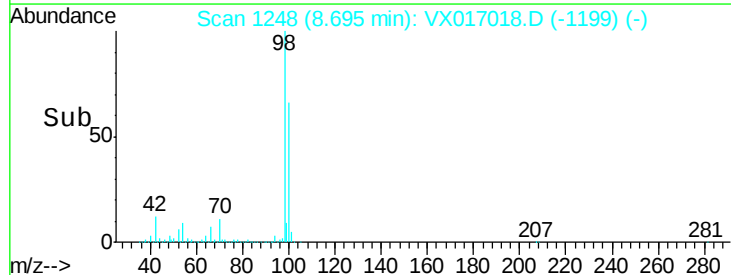
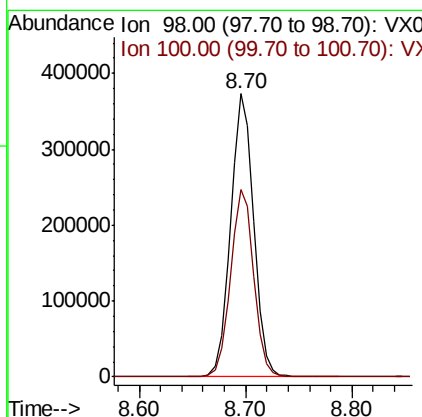
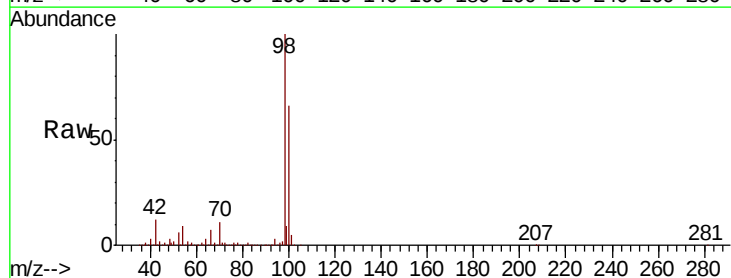
Instrument :
MSVOA_X
ClientSampleId :
RB01-20200623

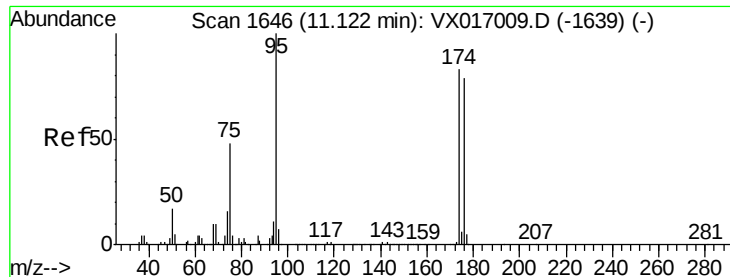
Tot Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 350.0 25.8 38.8#
58 0.0 54.8 82.2#



#50
Toluene-d8
Concen: 52.140 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

Tgt Ion: 98 Resp: 566480
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 55.469 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017018.D

Acq: 29 Jun 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

RB01-20200623

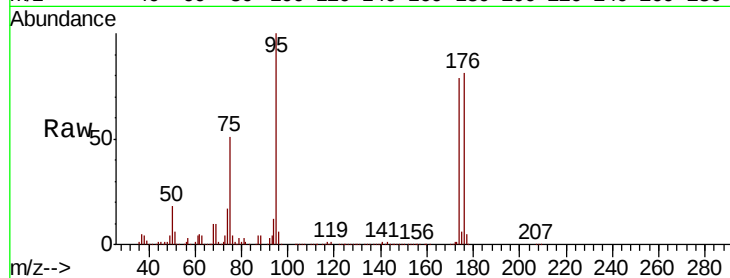
Tot Ion: 95 Resp: 235582

Ion Ratio Lower Upper

95 100

174 80.3 0.0 164.0

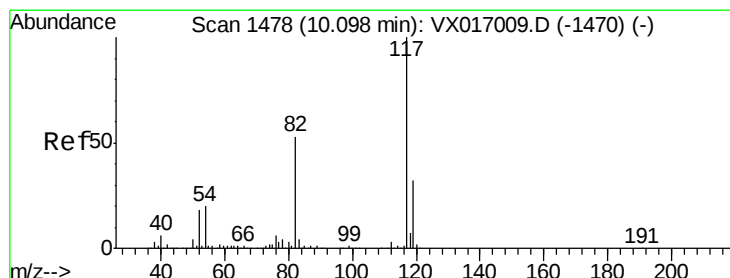
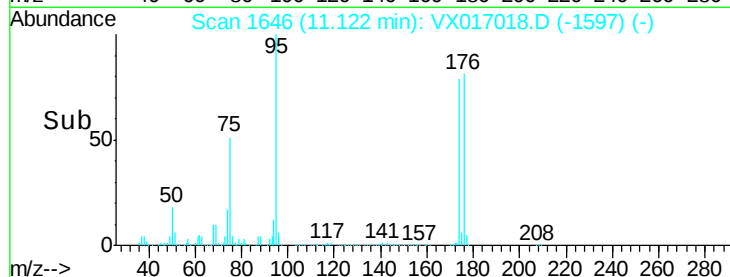
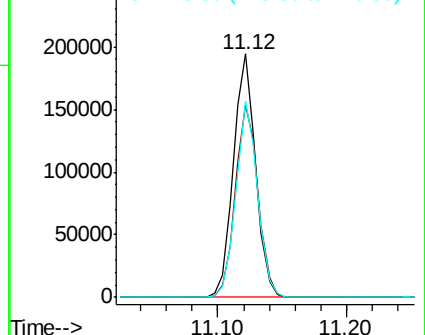
176 77.9 0.0 157.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017018.D

Acq: 29 Jun 2020 19:40

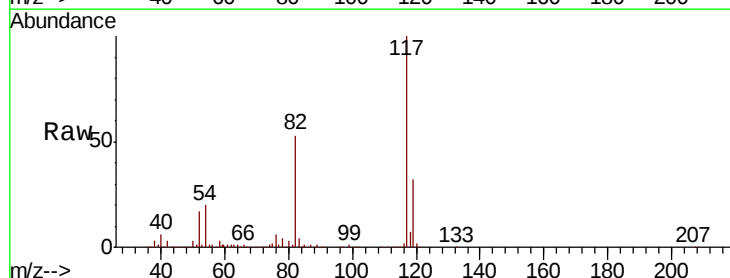
Tgt Ion: 117 Resp: 477932

Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

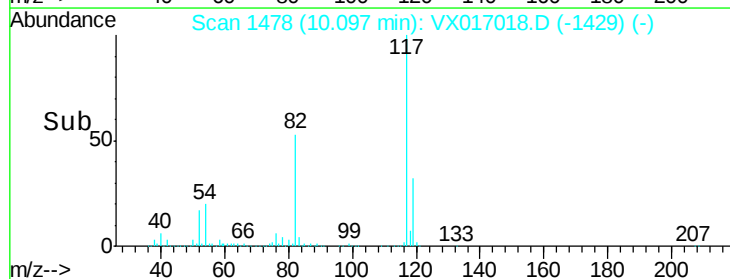
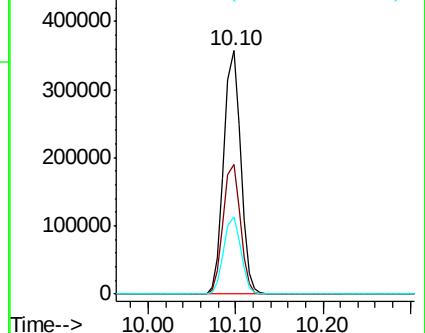
119 31.8 25.4 38.2

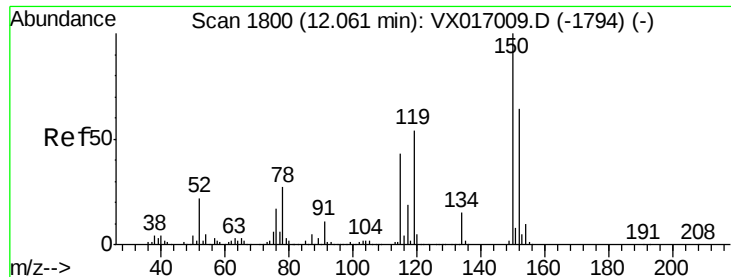


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX017018.D

Acq: 29 Jun 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

RB01-20200623

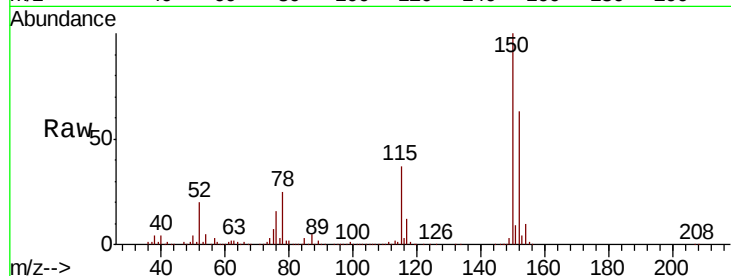
Tot Ion:152 Resp: 242858

Ion Ratio Lower Upper

152 100

115 59.2 40.9 122.7

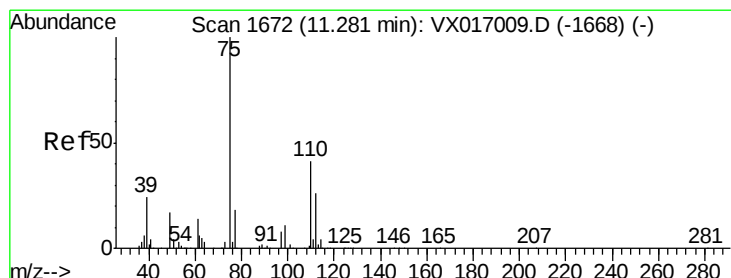
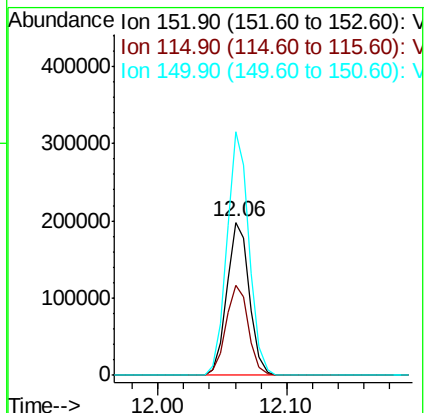
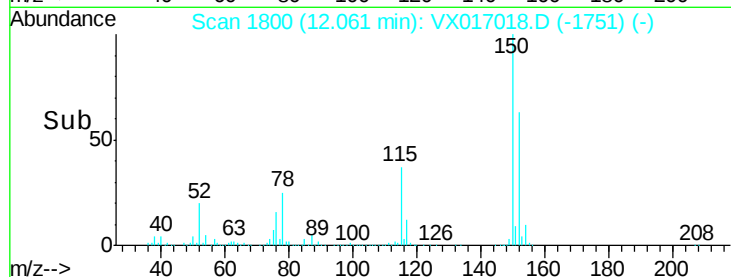
150 156.2 0.0 351.6



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: 24.799 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017018.D

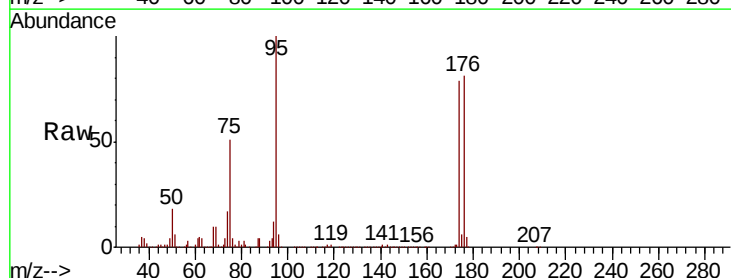
Acq: 29 Jun 2020 19:40

Tgt Ion: 75 Resp: 118430

Ion Ratio Lower Upper

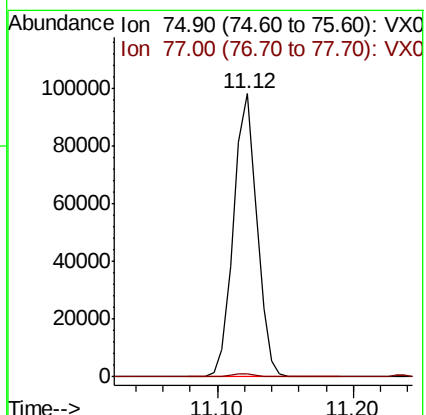
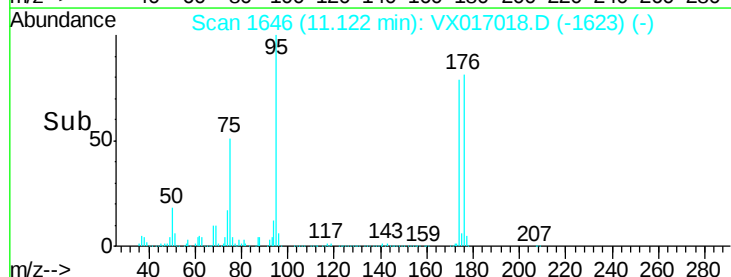
75 100

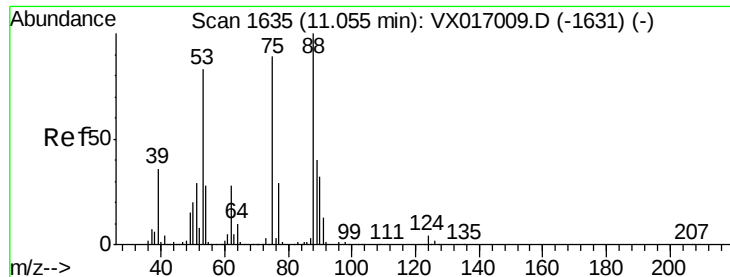
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

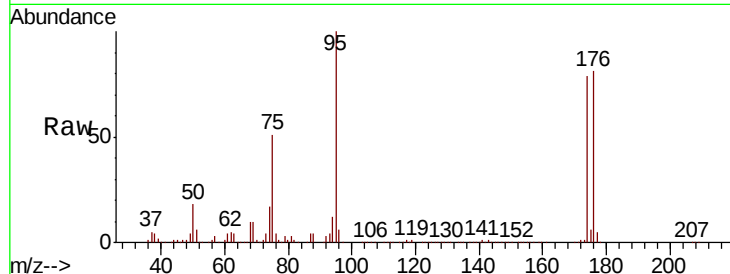




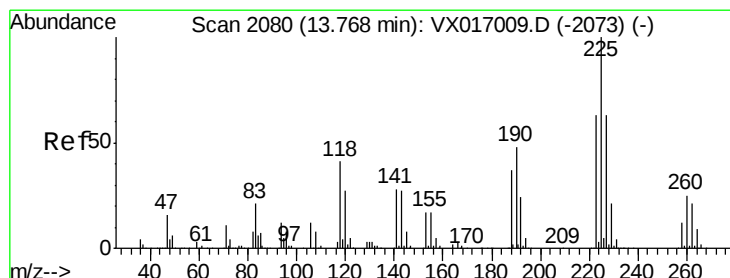
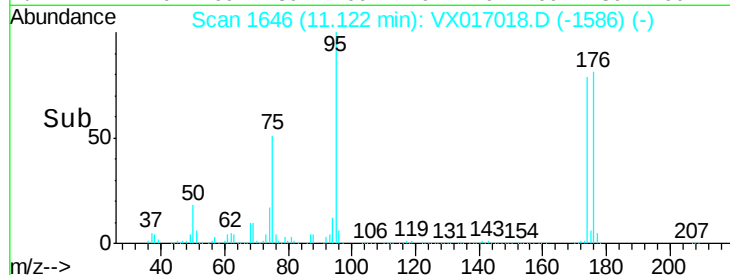
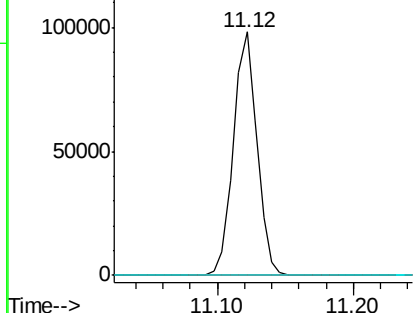
#81
trans-1,4-Dichloro-2-butene
Concen: 64.220 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
RB01-20200623

Tot Ion: 75 Resp: 118430
Ion Ratio Lower Upper
75 100
53 0.1 72.4 108.6#
89 0.0 37.0 55.4#

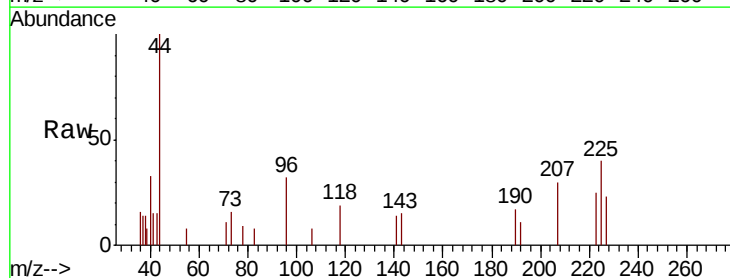


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#94
Hexachlorobutadiene
Concen: 0.994 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX017018.D
Acq: 29 Jun 2020 19:40

Tgt Ion: 225 Resp: 293
Ion Ratio Lower Upper
225 100
223 69.6 32.5 97.5
227 72.4 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

