

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080520\
 Data File : VX017789.D
 Acq On : 05 Aug 2020 11:44
 Operator : JC/SP
 Sample : L3570-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200804

Quant Time: Aug 06 02:29:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	566552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	828620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	766216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	343392	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	359864	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	5.46	113	283660	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	8.70	98	983112	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.12	95	335800	41.97	ug/l	0.00
Spiked Amount			Recovery	=	83.94%	

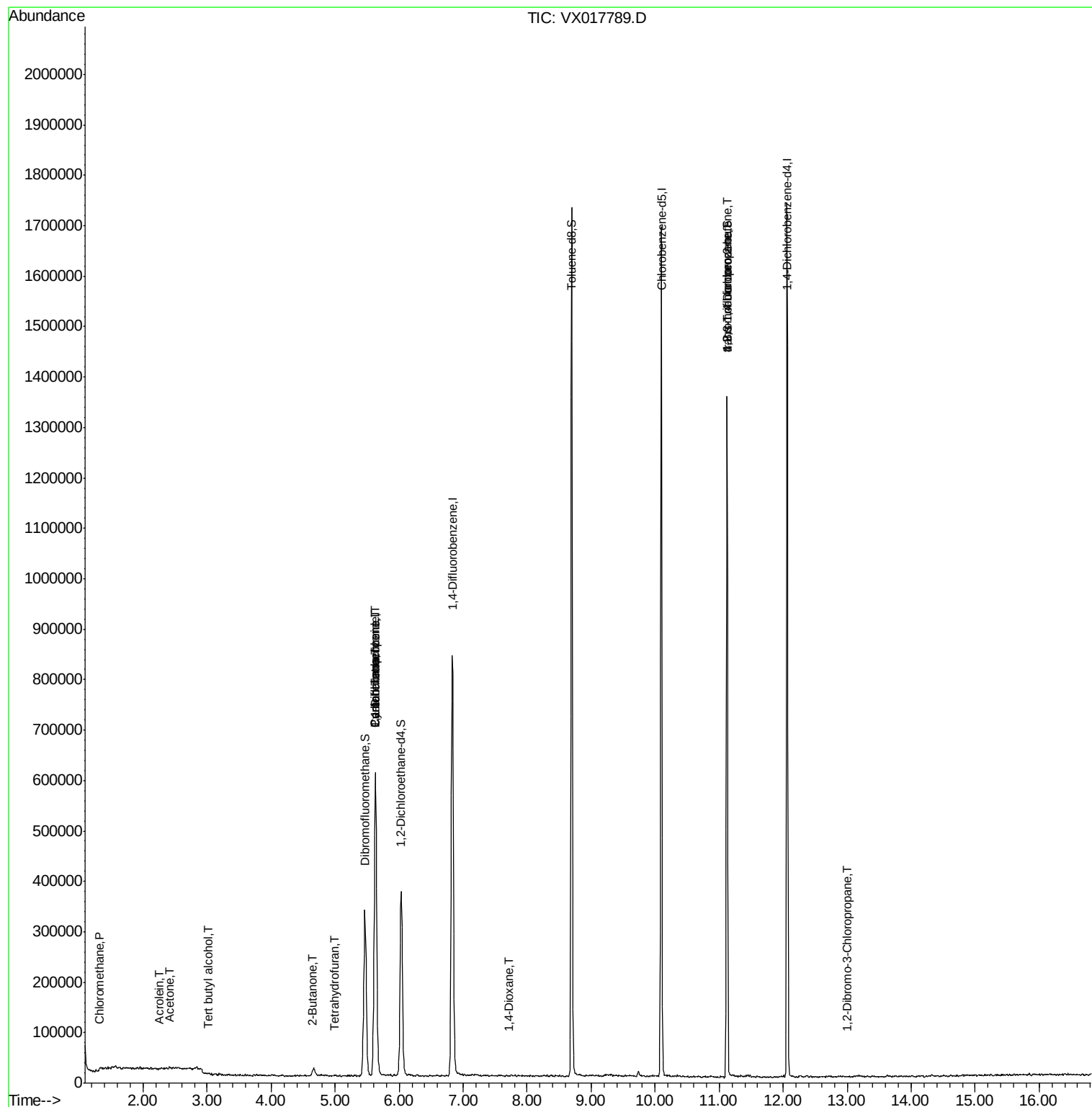
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	151	Below Cal		86
3) Chloromethane	1.31	50	625	0.455 ug/l #		42
5) Bromomethane	1.64	94	237	Below Cal #		56
6) Chloroethane	1.72	64	430	Below Cal #		44
8) Diethyl Ether	2.15	74	380	Below Cal		97
11) Tert butyl alcohol	3.01	59	702	0.458 ug/l #		47
13) Acrolein	2.25	56	1606	5.497 ug/l #		37
16) Acetone	2.42	43	2726	0.851 ug/l		98
20) Methylene Chloride	2.85	84	2641	Below Cal #		39
25) 2-Butanone	4.64	43	1858	0.408 ug/l #		52
29) Tetrahydrofuran	4.98	42	644	0.228 ug/l		97
31) Cyclohexane	5.63	56	12110	1.349 ug/l #		22
36) 1,1-Dichloropropene	5.63	75	41018	5.161 ug/l #		52
38) Carbon Tetrachloride	5.63	117	56062	5.809 ug/l #		18
49) 1,4-Dioxane	7.70	88	73	0.535 ug/l #		1
76) 1,2,3-Trichloropropane	11.12	75	175641	24.865 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.12	75	175641	62.655 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	13.00	75	146	2.643 ug/l		73

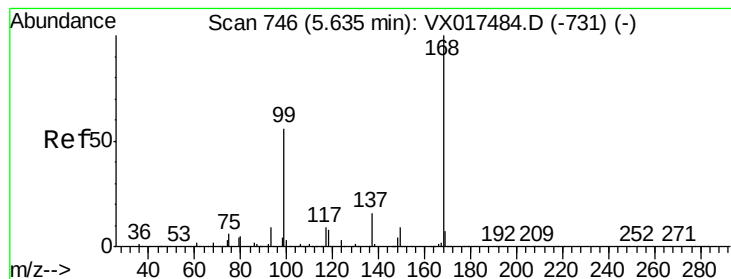
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

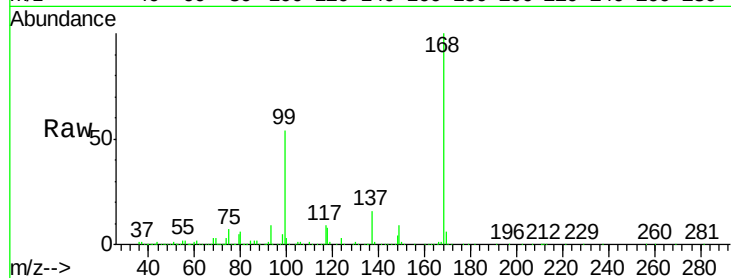
TB-01-200804

Tot Ion:168 Resp: 566552

Ion Ratio Lower Upper

168 100

99 54.3 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

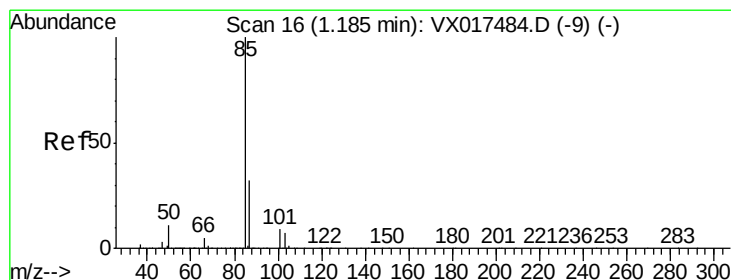
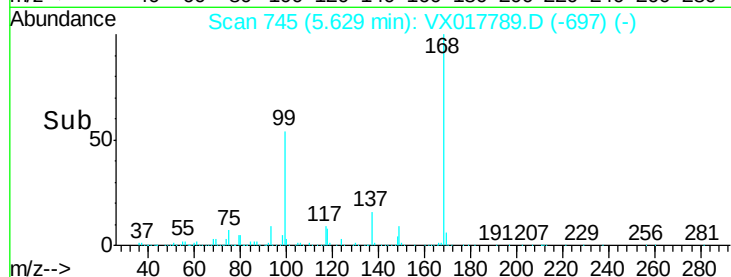
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017789.D

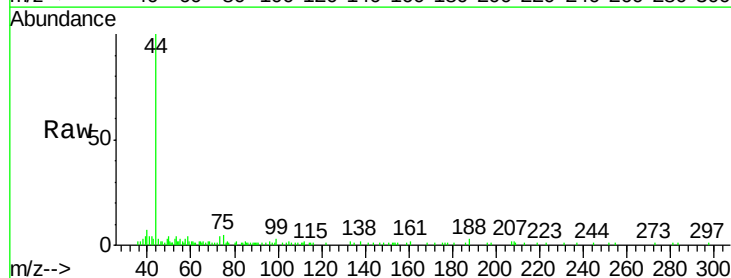
Acq: 05 Aug 2020 11:44

Tgt Ion: 85 Resp: 151

Ion Ratio Lower Upper

85 100

87 40.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

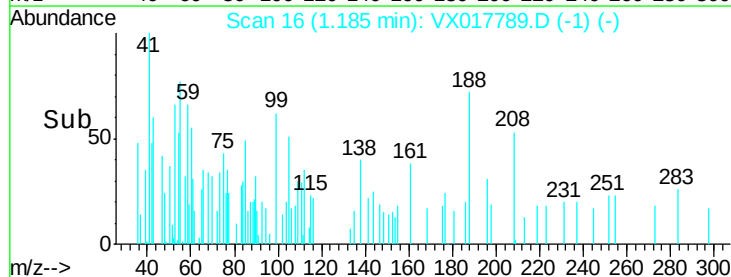
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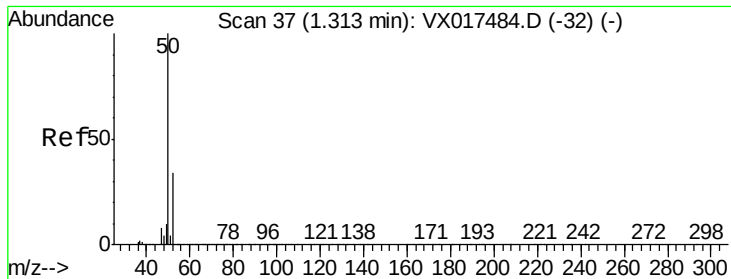
200

100

0

Time-->





#3

Chloromethane

Concen: 0.455 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

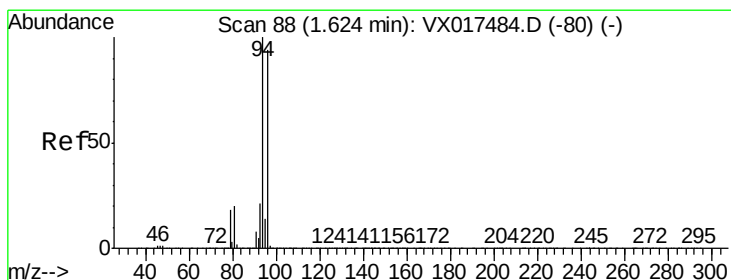
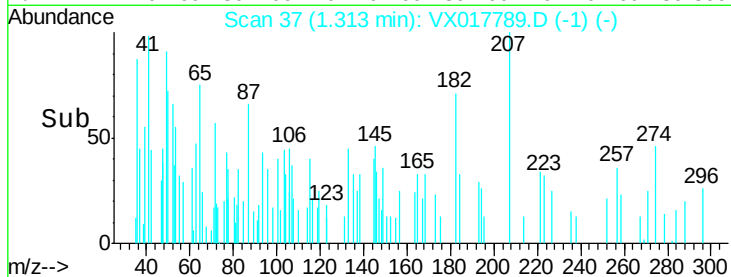
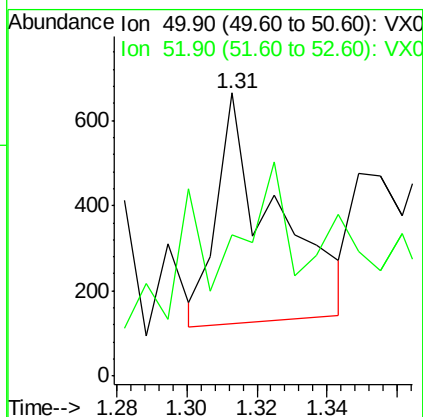
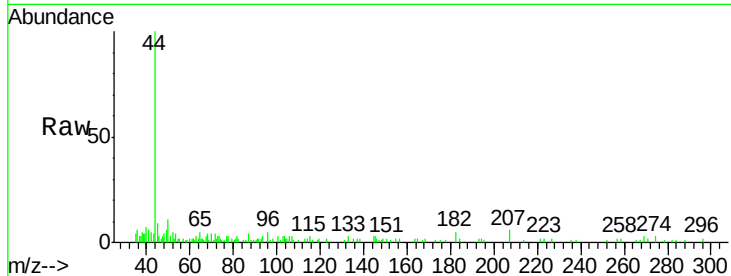
TB-01-200804

Tot Ion: 50 Resp: 625

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017789.D

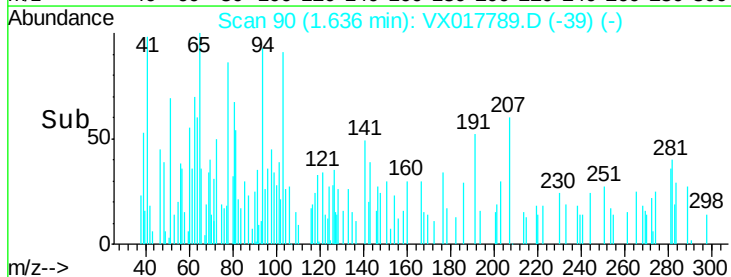
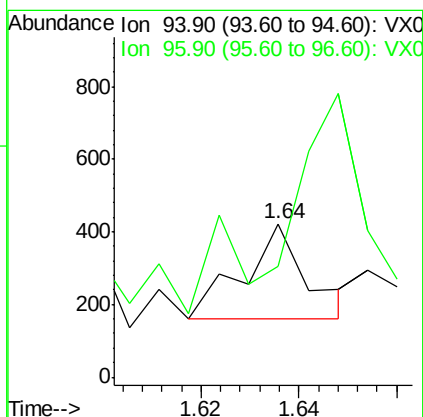
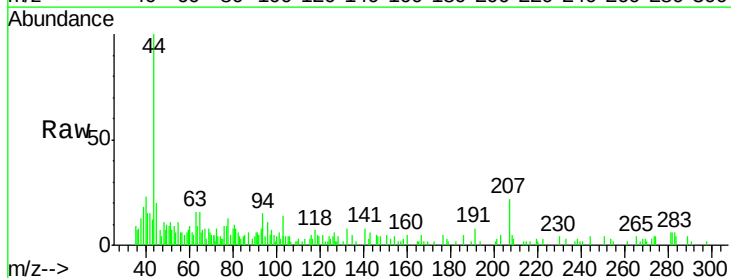
Acq: 05 Aug 2020 11:44

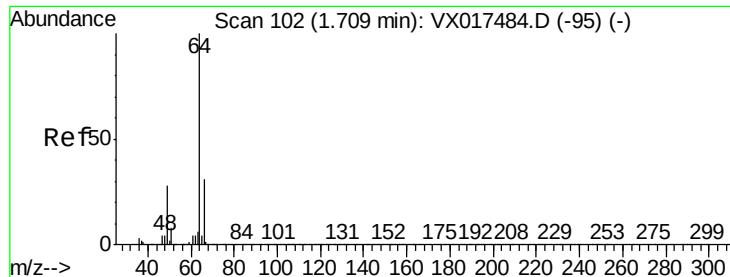
Tgt Ion: 94 Resp: 237

Ion Ratio Lower Upper

94 100

96 50.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

Instrument :

MSVOA_X

ClientSampled :

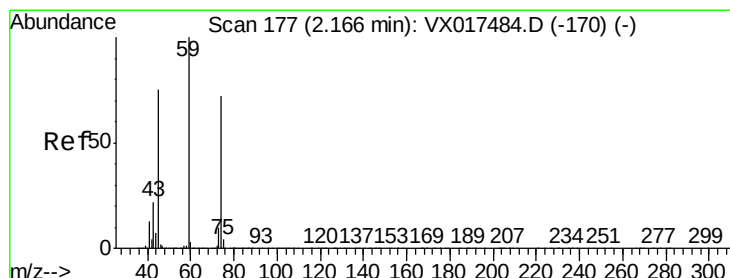
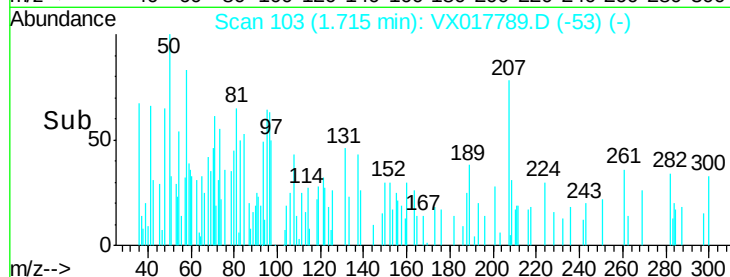
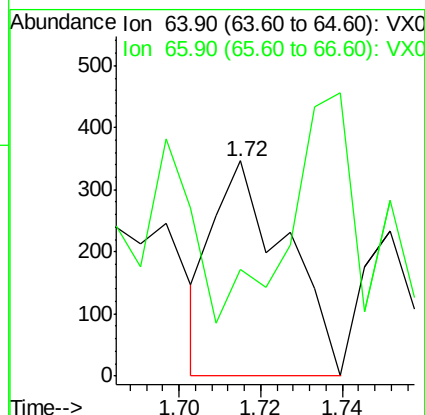
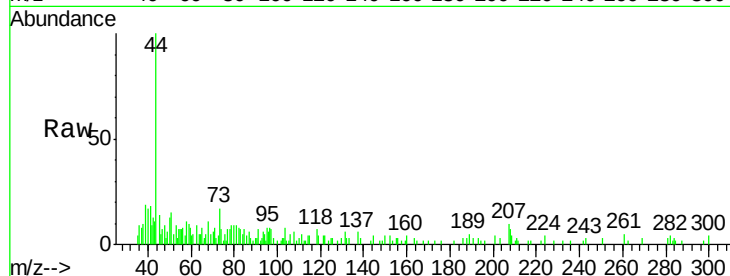
TB-01-200804

Tot Ion: 64 Resp: 430

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX017789.D

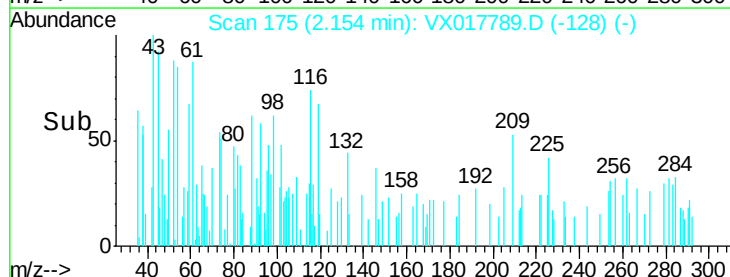
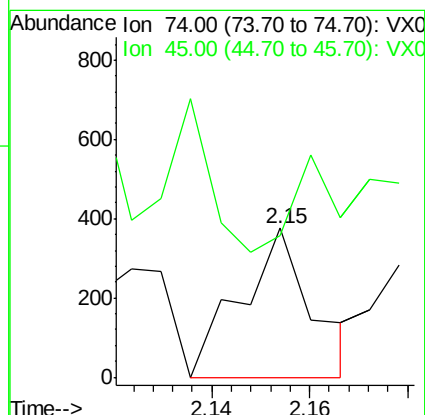
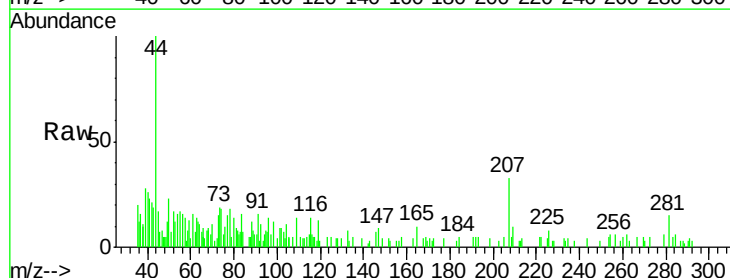
Acq: 05 Aug 2020 11:44

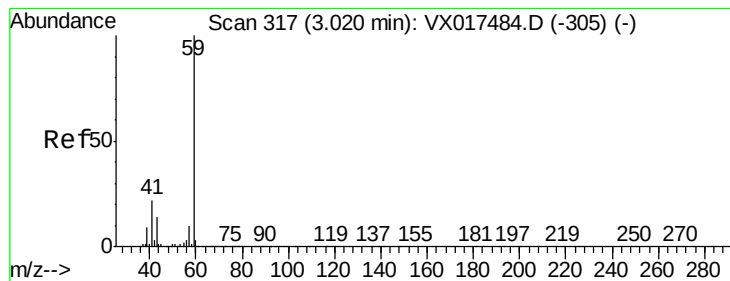
Tgt Ion: 74 Resp: 380

Ion Ratio Lower Upper

74 100

45 104.5 50.8 152.5



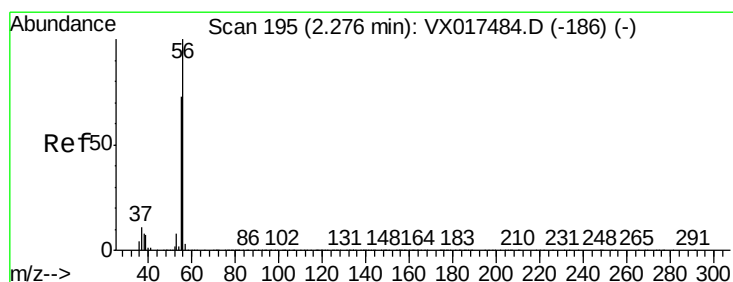
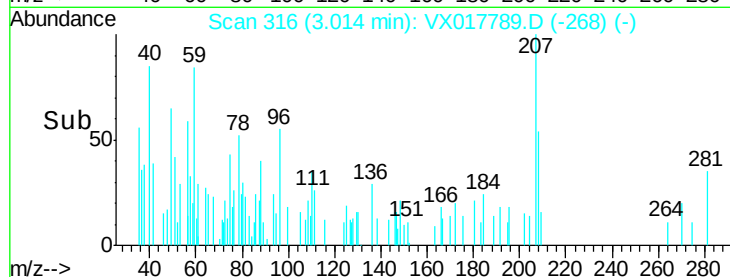
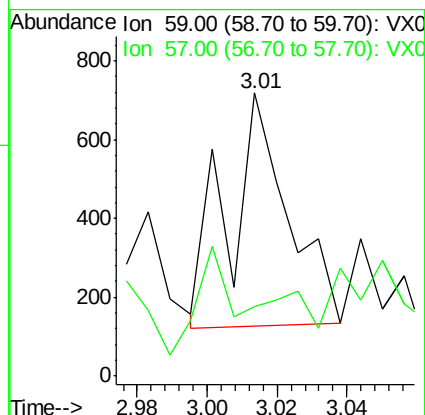
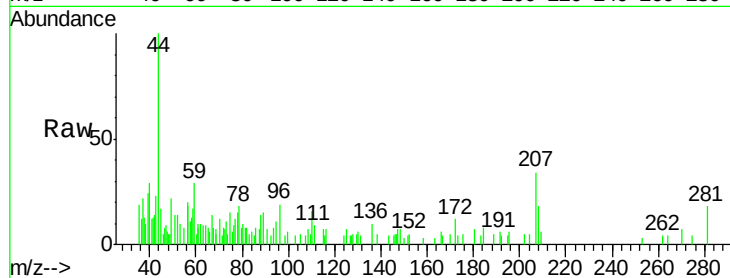


#11

Tert butyl alcohol
Concen: 0.458 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

Instrument :
MSVOA_X
ClientSampled :
TB-01-200804

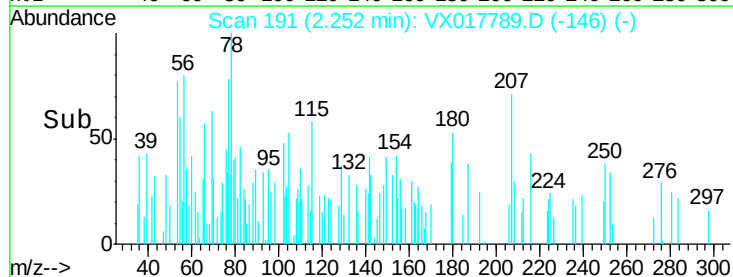
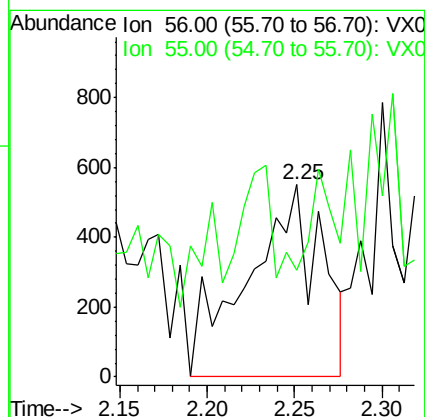
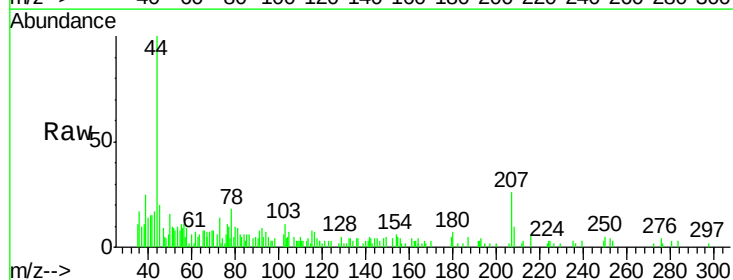
Tot Ion: 59 Resp: 702
Ion Ratio Lower Upper
59 100
57 30.6 8.6 12.8#

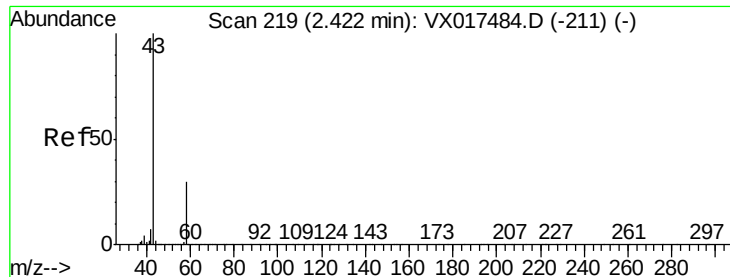


#13

Acrolein
Concen: 5.497 ug/l
RT: 2.25 min Scan# 191
Delta R.T. -0.02 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

Tgt Ion: 56 Resp: 1606
Ion Ratio Lower Upper
56 100
55 19.2 57.4 86.2#

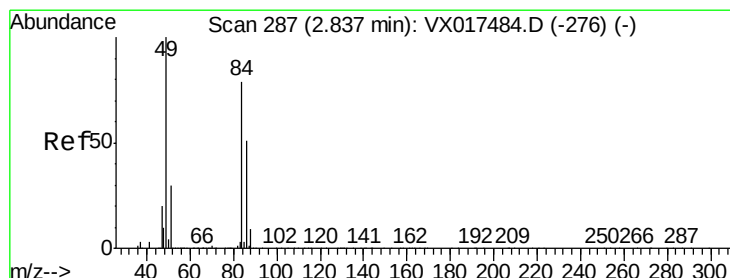
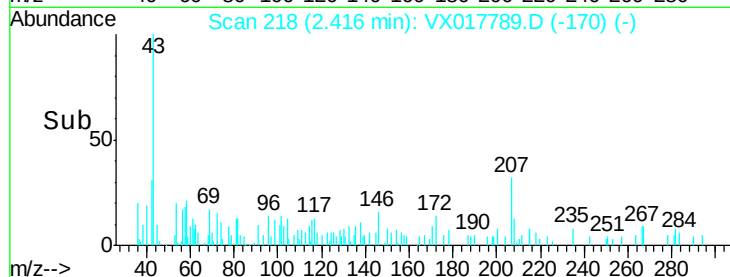
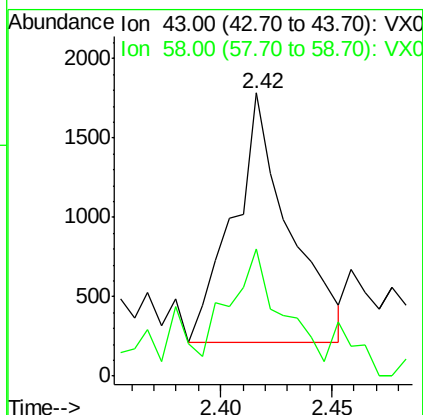
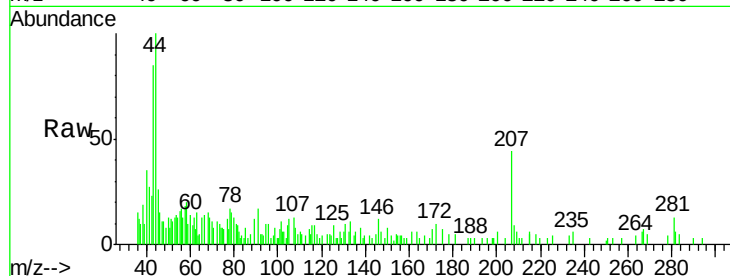




#16
Acetone
Concen: 0.851 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

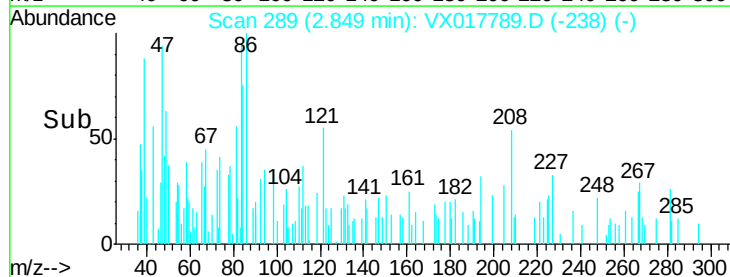
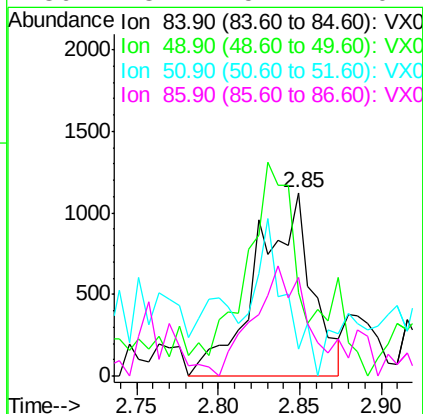
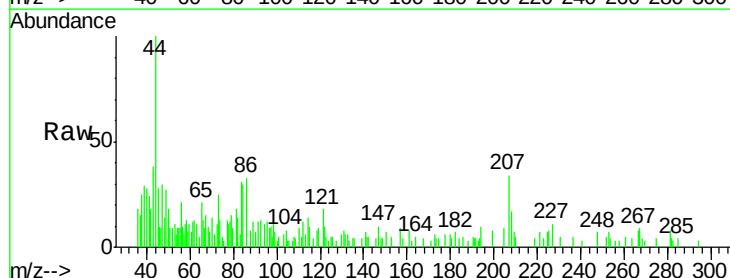
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200804

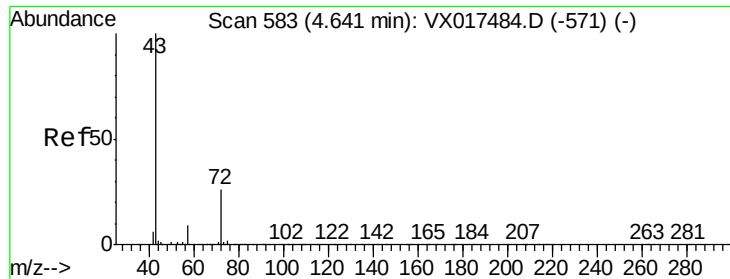
Tot Ion: 43 Resp: 2726
Ion Ratio Lower Upper
43 100
58 29.2 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 289
Delta R.T. 0.01 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

Tgt Ion: 84 Resp: 2641
Ion Ratio Lower Upper
84 100
49 33.7 100.3 150.5#
51 0.0 30.5 45.7#
86 48.1 51.1 76.7#





#25

2-Butanone

Concen: 0.408 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

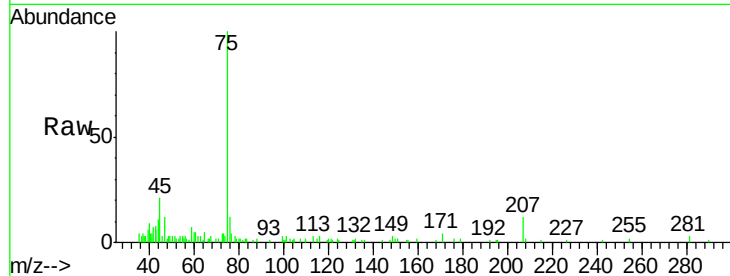
TB-01-200804

Tot Ion: 43 Resp: 1858

Ion Ratio Lower Upper

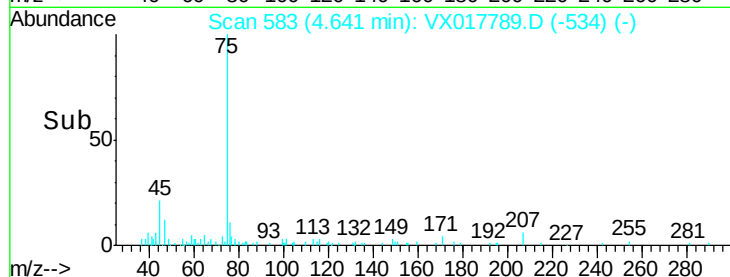
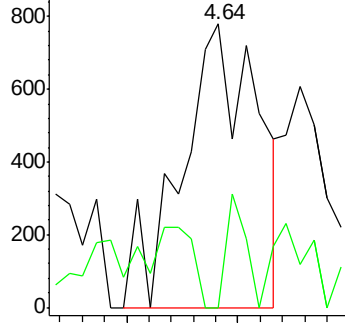
43 100

72 0.0 19.0 28.4#

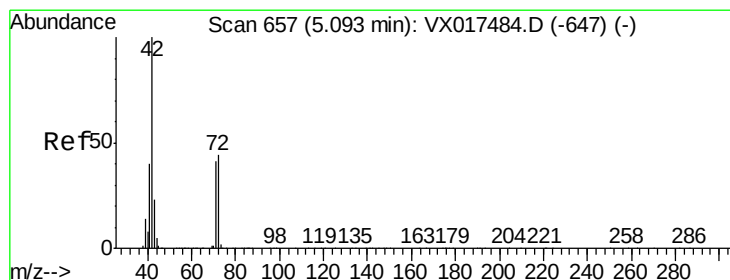


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.11 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

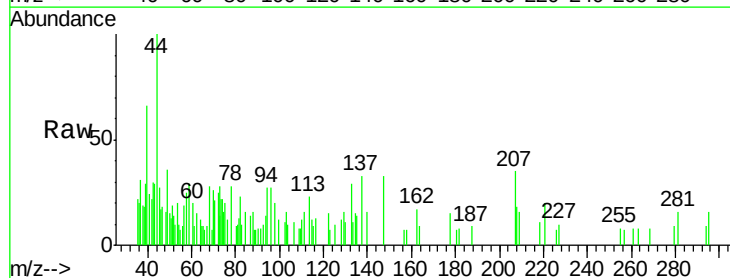
Tgt Ion: 42 Resp: 644

Ion Ratio Lower Upper

42 100

72 45.7 35.5 53.3

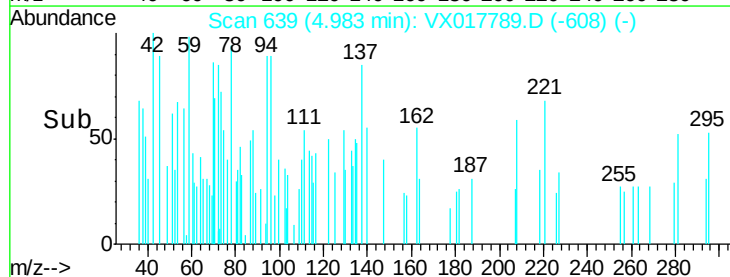
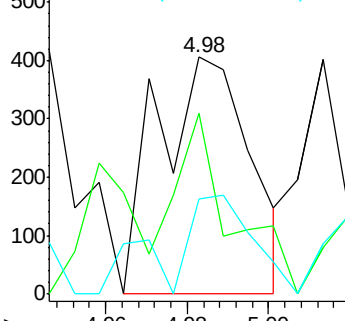
71 38.0 33.0 49.4



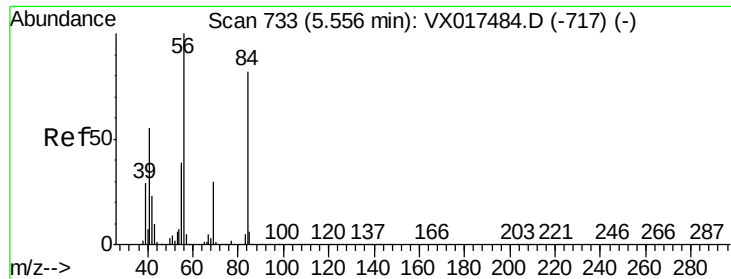
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



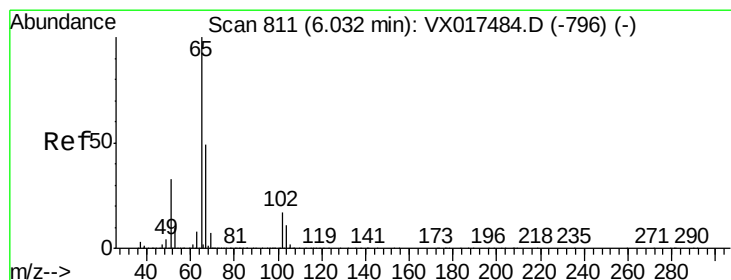
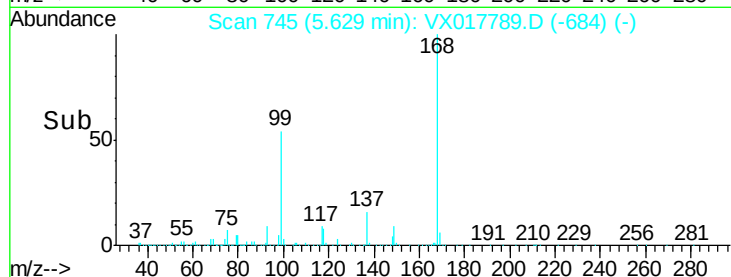
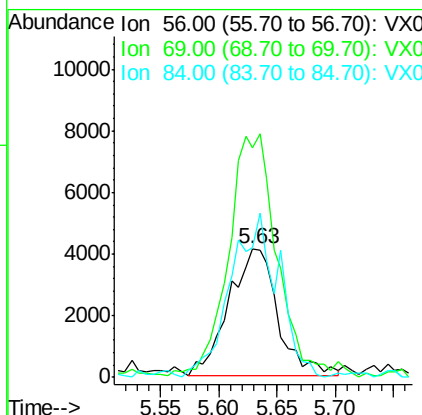
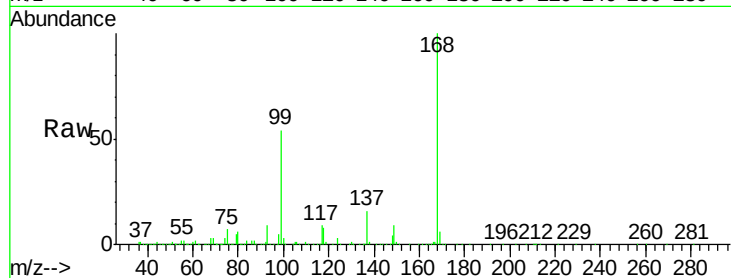
Time-->



#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.07 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

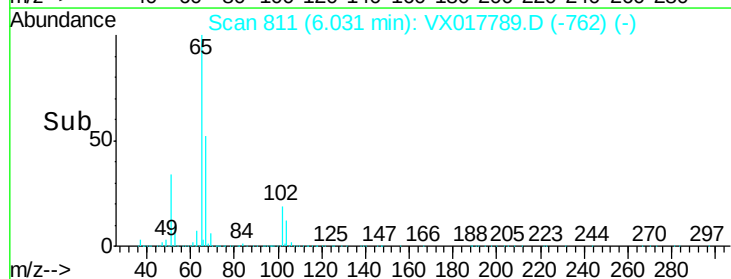
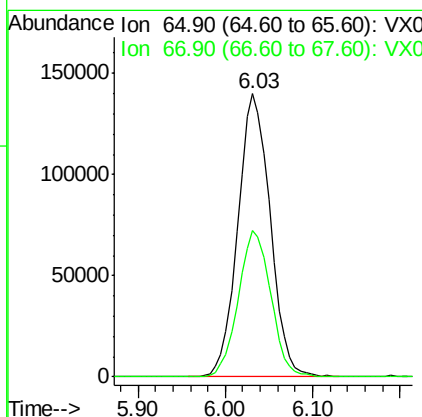
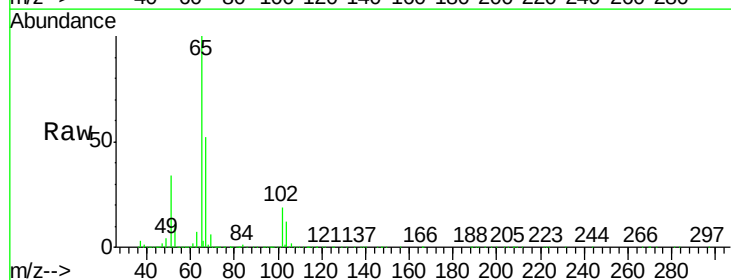
Instrument :
MSVOA_X
ClientSampled :
TB-01-200804

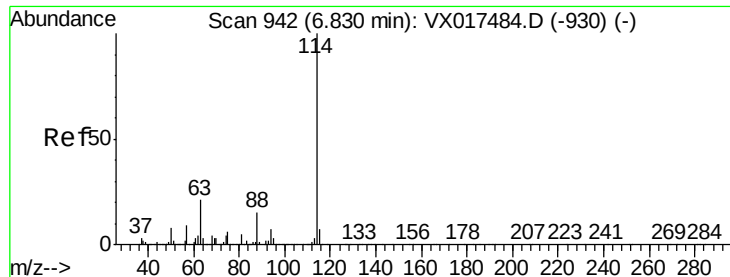
Tot Ion: 56 Resp: 12110
Ion Ratio Lower Upper
56 100
69 173.0 24.2 36.4#
84 98.9 69.0 103.6



#33
1,2-Dichloroethane-d4
Concen: 49.448 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

Tgt Ion: 65 Resp: 359864
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.8

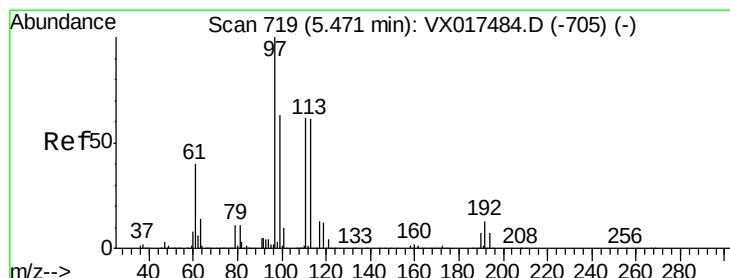
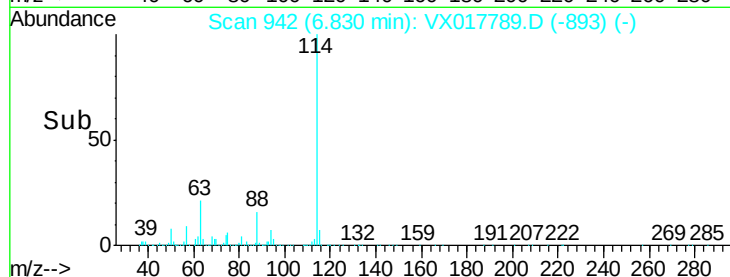
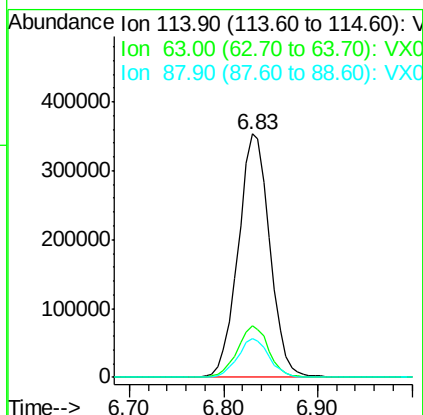
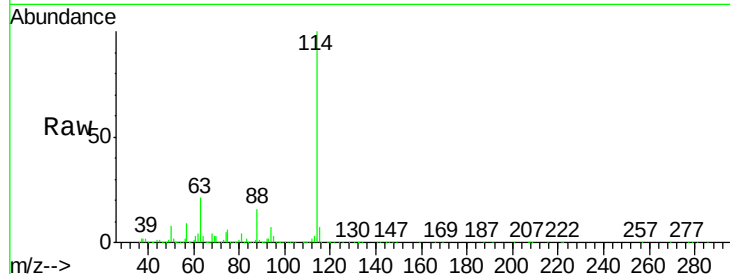




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017789.D
 Acq: 05 Aug 2020 11:44

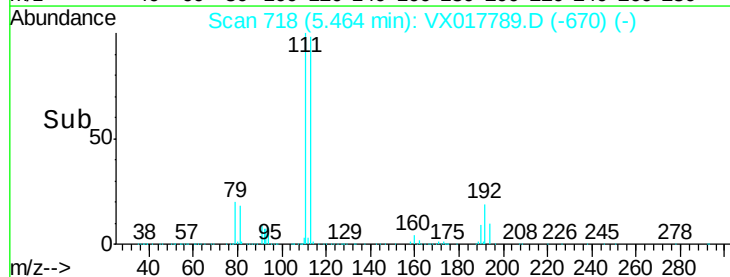
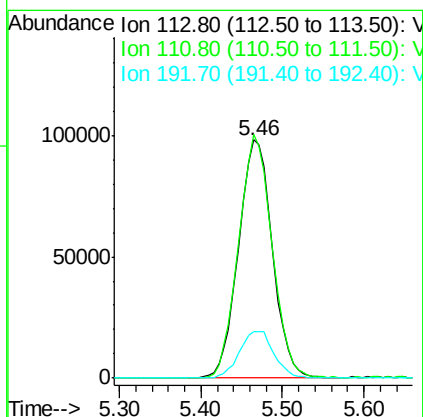
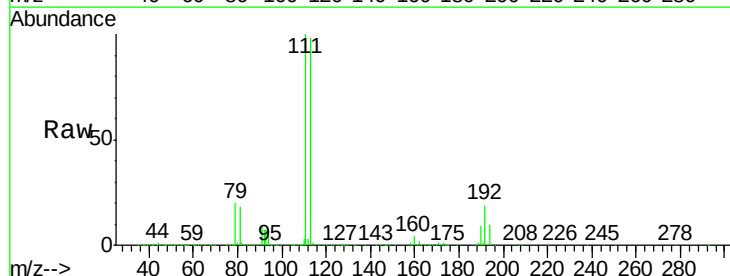
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200804

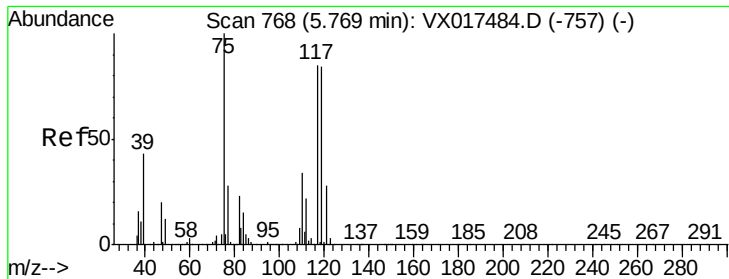
Tot Ion:114	Resp:	828620
Ion Ratio	Lower	Upper
114 100		
63 21.2	0.0	40.6
88 15.7	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 51.185 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017789.D
 Acq: 05 Aug 2020 11:44

Tgt Ion:113	Resp:	283660
Ion Ratio	Lower	Upper
113 100		
111 101.2	80.7	121.1
192 20.2	16.9	25.3

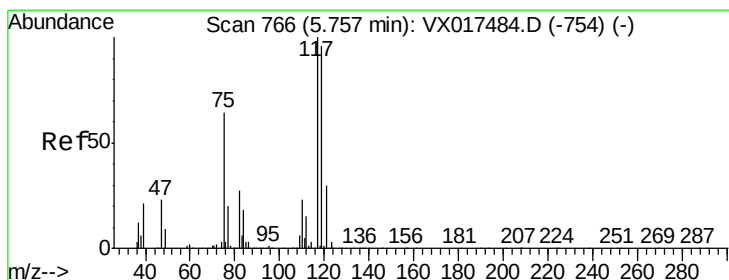
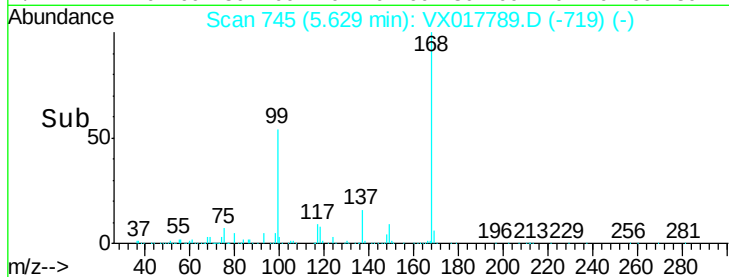
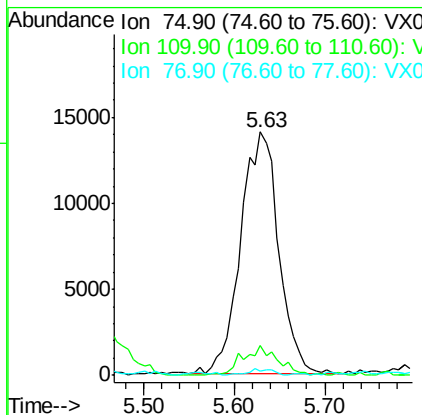
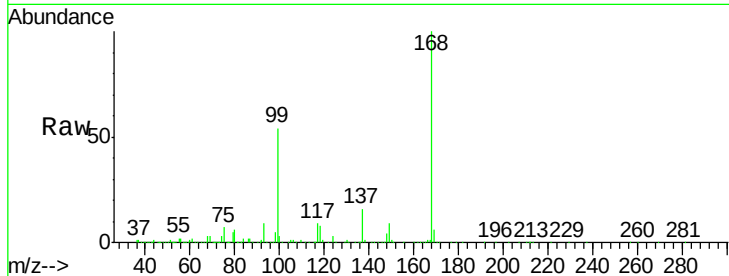




#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017789.D
 Acq: 05 Aug 2020 11:44

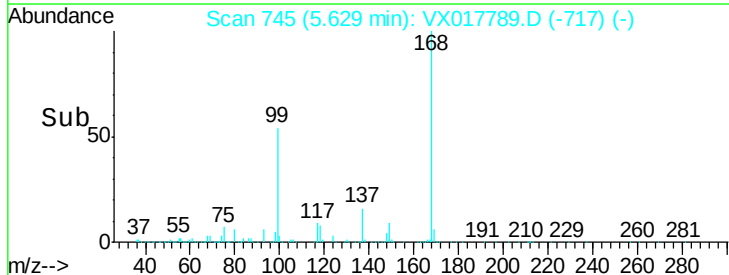
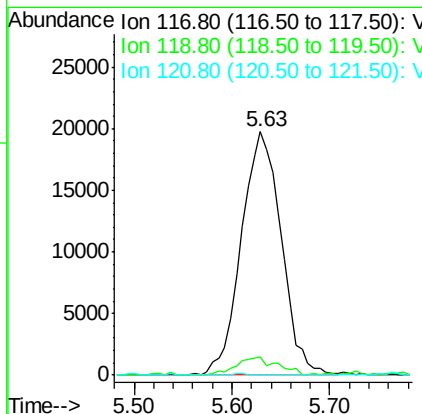
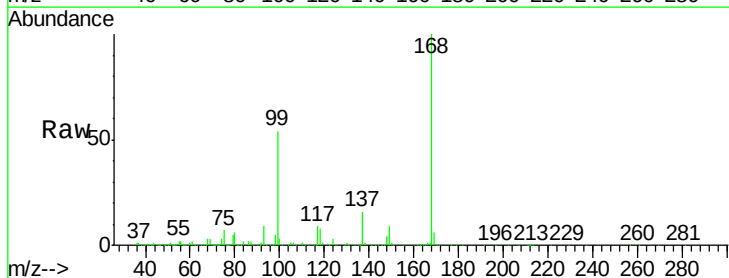
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200804

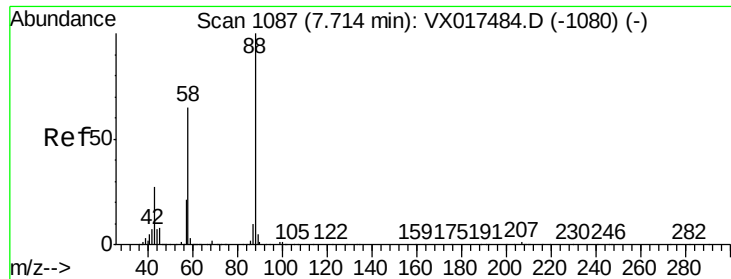
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.1	54.3#
77	1.6	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.809 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017789.D
 Acq: 05 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	75.4	113.0#
121	0.0	24.3	36.5#

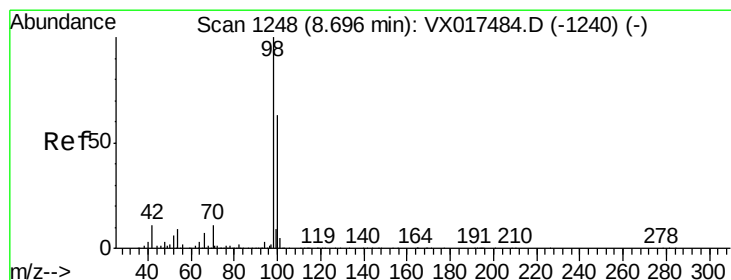
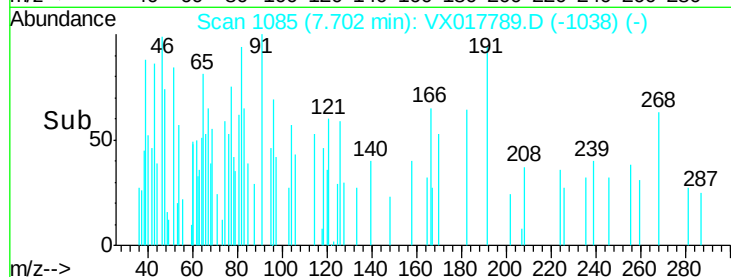
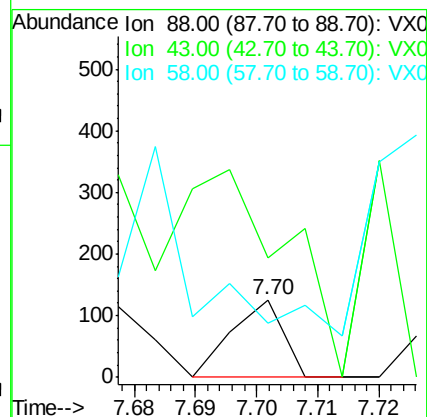
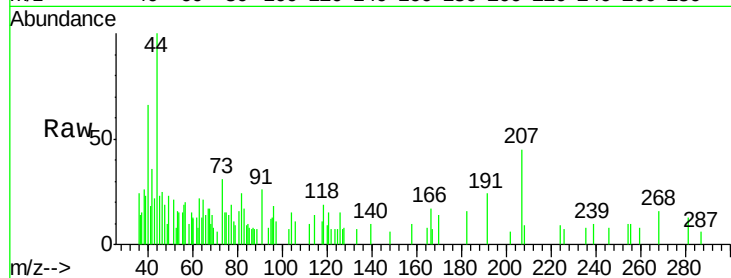




#49
1,4-Dioxane
Concen: 0.535 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

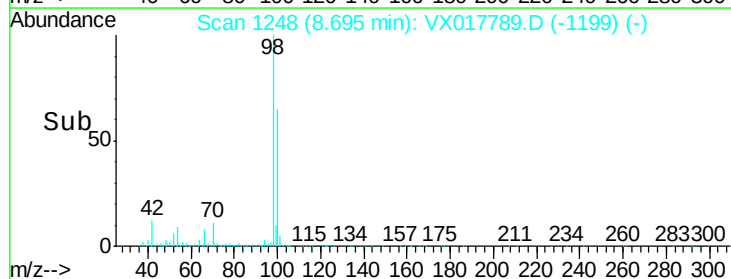
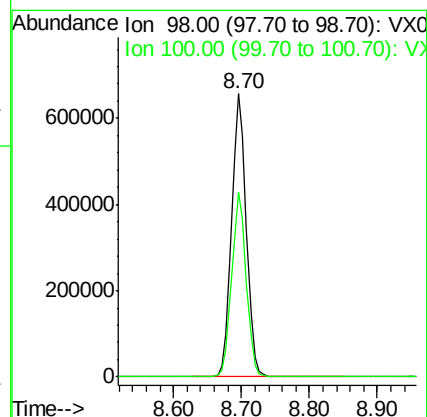
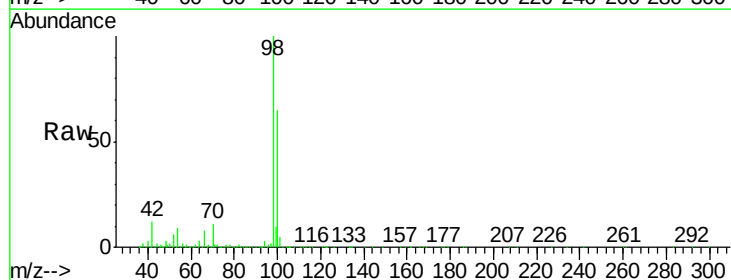
Instrument :
MSVOA_X
ClientSampled :
TB-01-200804

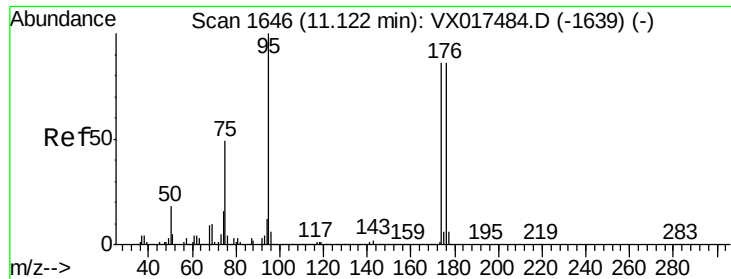
Tot Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 541.1 27.8 41.6#
58 0.0 58.3 87.5#



#50
Toluene-d8
Concen: 49.175 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

Tgt Ion: 98 Resp: 983112
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 41.970 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200804

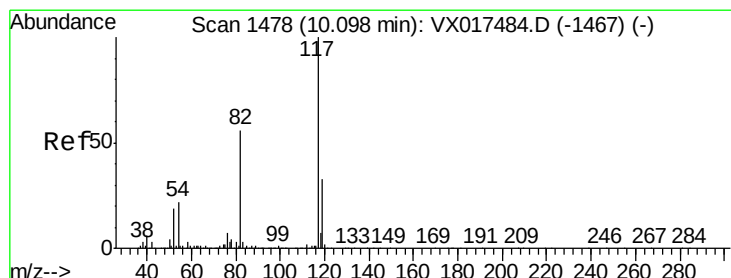
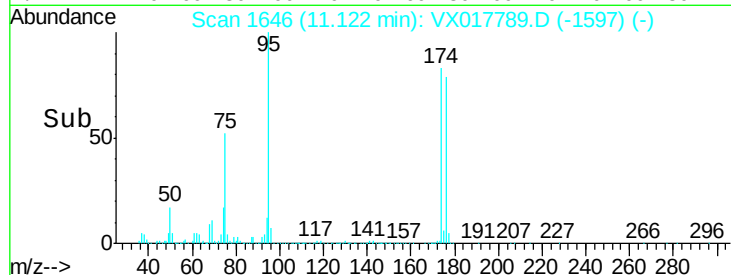
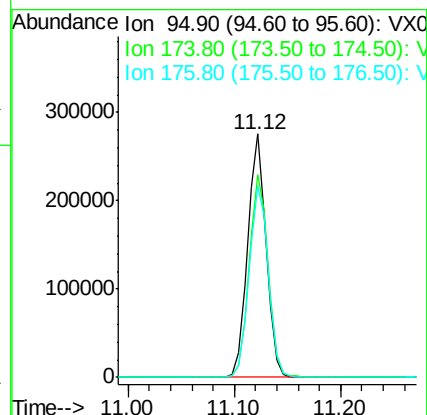
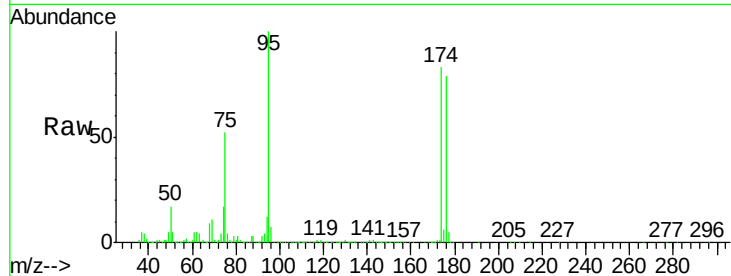
Tot Ion: 95 Resp: 335800

Ion Ratio Lower Upper

95 100

174 85.5 0.0 169.0

176 81.6 0.0 161.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

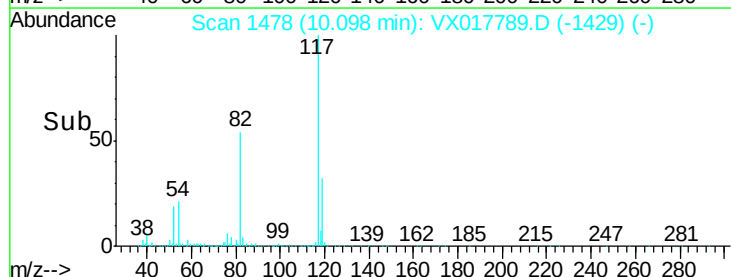
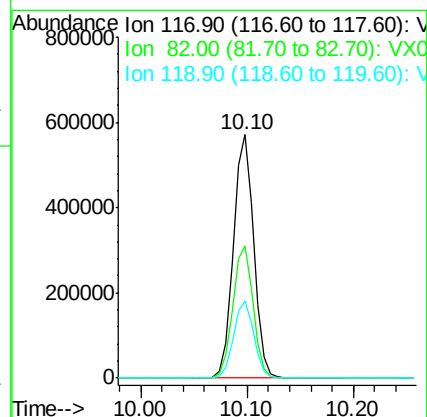
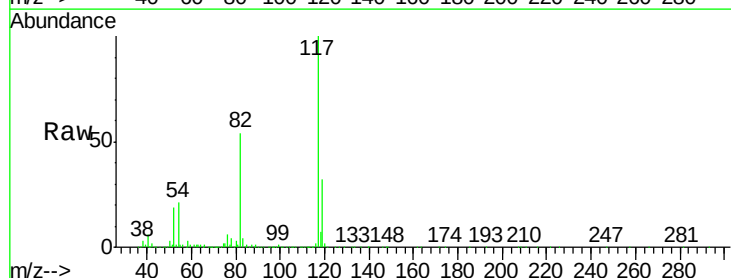
Tgt Ion: 117 Resp: 766216

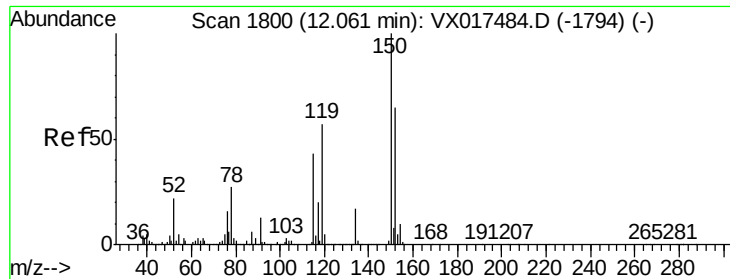
Ion Ratio Lower Upper

117 100

82 54.2 44.0 66.0

119 31.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017789.D

Acq: 05 Aug 2020 11:44

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200804

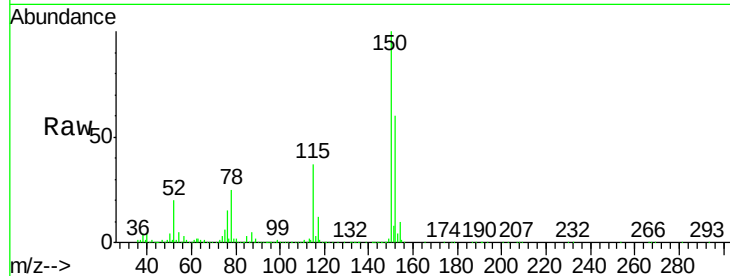
Tot Ion:152 Resp: 343392

Ion Ratio Lower Upper

152 100

115 60.0 65.5 196.6#

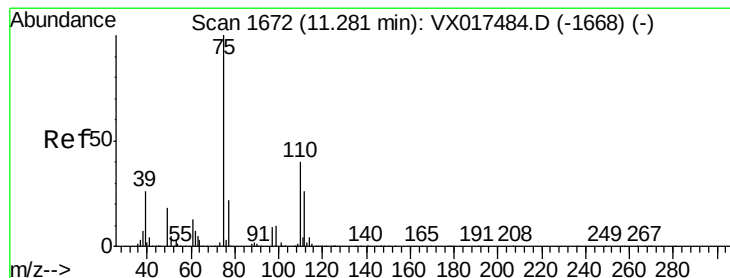
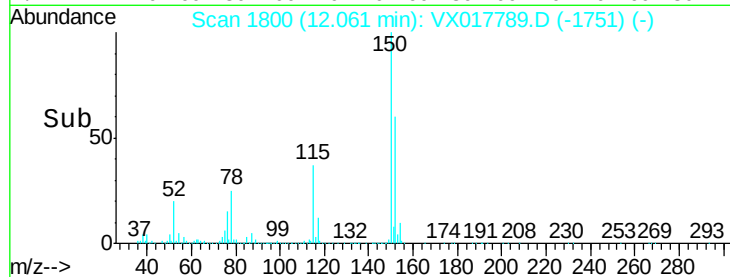
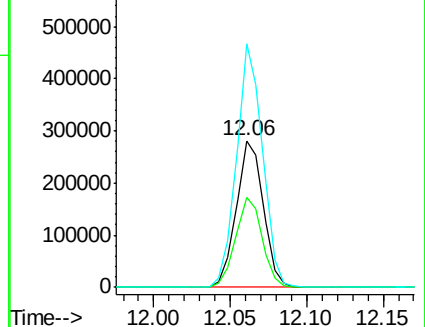
150 160.0 0.0 412.6



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: 24.865 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017789.D

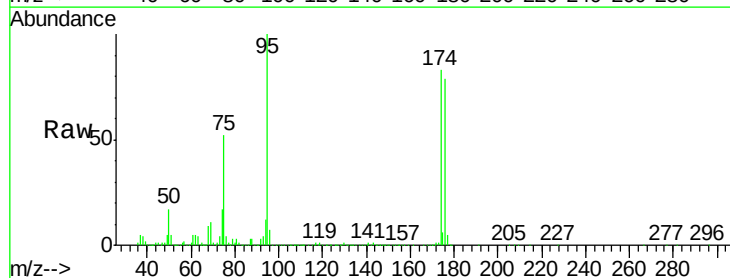
Acq: 05 Aug 2020 11:44

Tgt Ion: 75 Resp: 175641

Ion Ratio Lower Upper

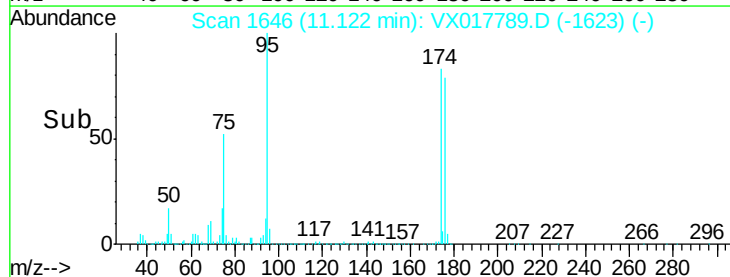
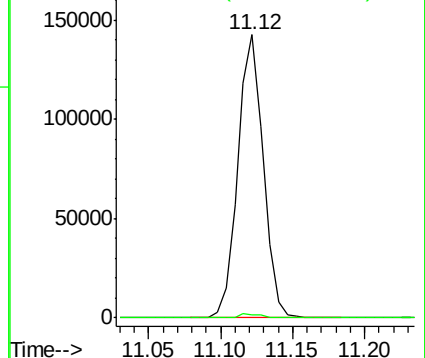
75 100

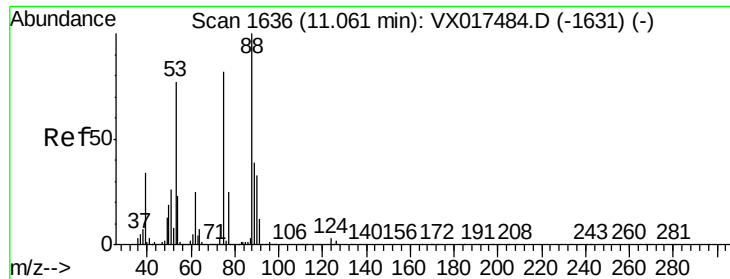
77 1.4 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

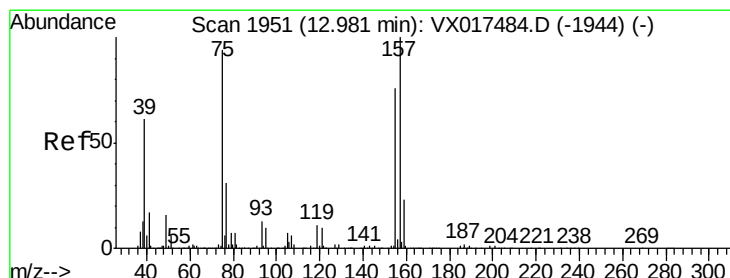
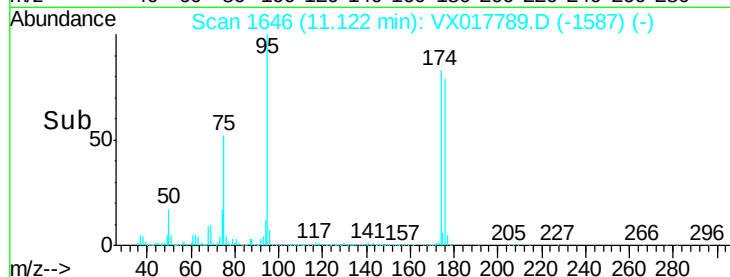
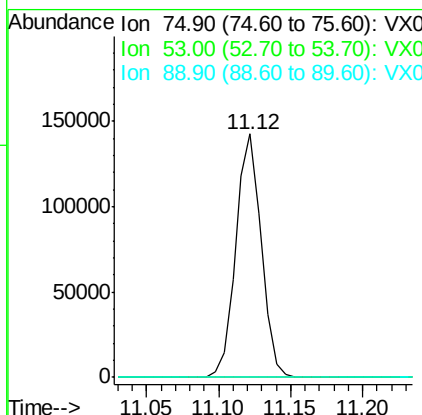
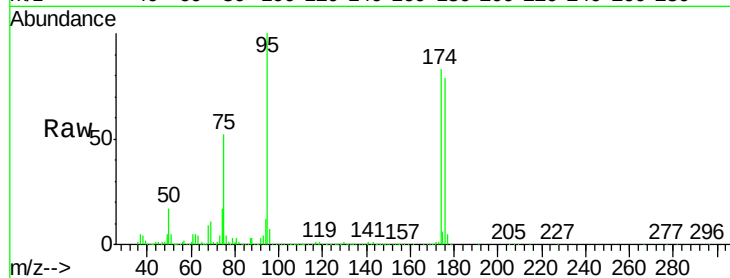




#81
trans-1,4-Dichloro-2-butene
Concen: 62.655 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

Instrument :
MSVOA_X
ClientSampleId :
TB-01-200804

Tot Ion: 75 Resp: 175641
Ion Ratio Lower Upper
75 100
53 0.4 75.9 113.9#
89 0.2 37.8 56.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.643 ug/l
RT: 13.00 min Scan# 1954
Delta R.T. 0.02 min
Lab File: VX017789.D
Acq: 05 Aug 2020 11:44

Tgt Ion: 75 Resp: 146
Ion Ratio Lower Upper
75 100
155 84.2 42.3 126.8
157 58.2 54.3 162.9

