

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX080520\
 Data File : VX017795.D
 Acq On : 05 Aug 2020 14:09
 Operator : JC/SP
 Sample : L3570-01RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200804RE

Quant Time: Aug 06 02:34:33 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	568586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	877514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	822820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	394756	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	386845	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
35) Dibromofluoromethane	5.47	113	294462	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	8.70	98	1059550	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.12	95	384158	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

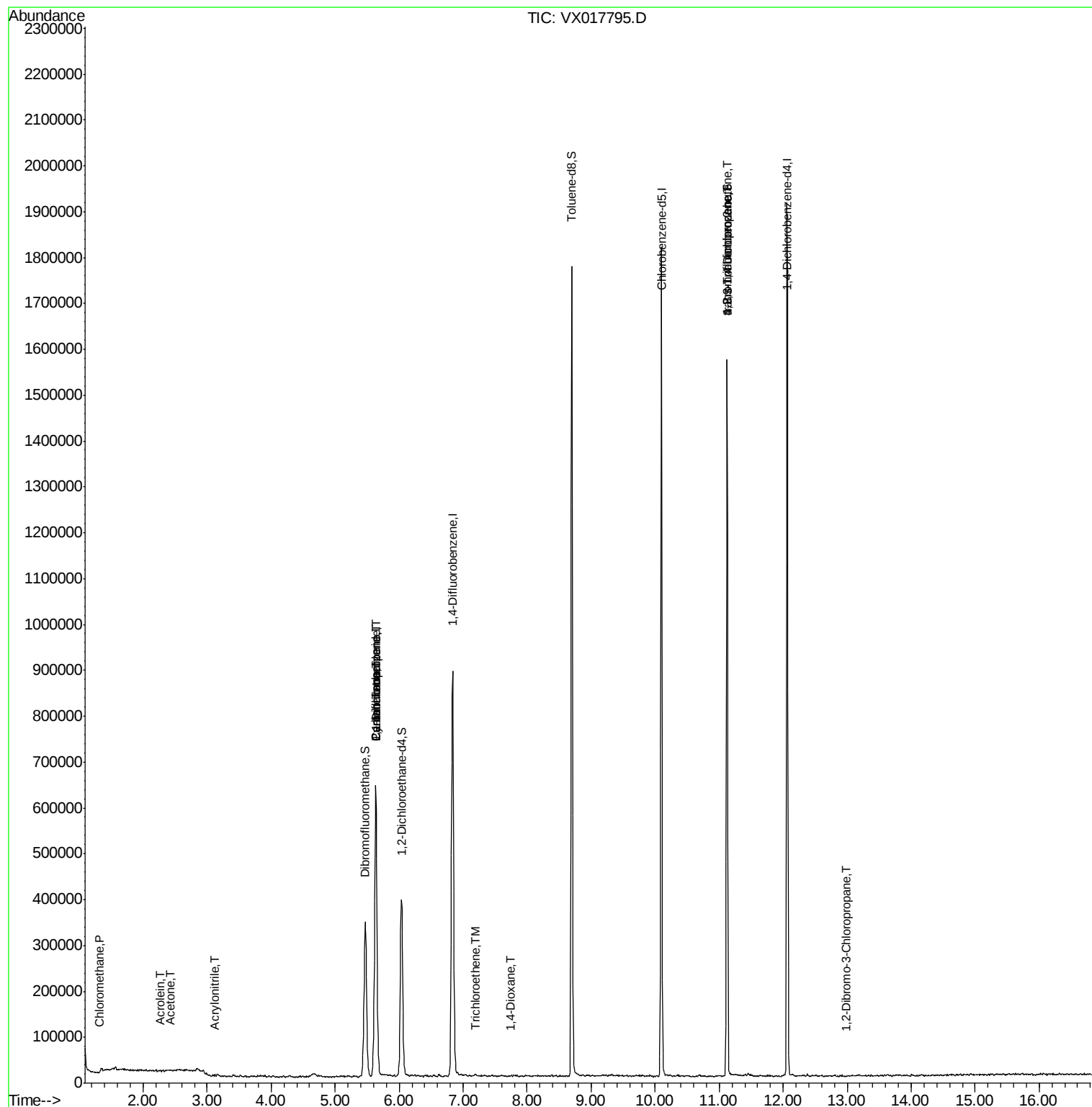
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	630	Below Cal	#	2
3) Chloromethane	1.31	50	579	0.449	ug/l #	42
5) Bromomethane	1.63	94	674	Below Cal	#	26
6) Chloroethane	1.71	64	512	Below Cal	#	65
8) Diethyl Ether	2.25	74	265	Below Cal		79
13) Acrolein	2.26	56	765	4.789	ug/l #	54
15) Acrylonitrile	3.12	53	1174	0.353	ug/l #	41
16) Acetone	2.42	43	2433	0.757	ug/l #	82
20) Methylene Chloride	2.84	84	1636	Below Cal	#	80
31) Cyclohexane	5.63	56	12060	1.339	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	42710	5.075	ug/l #	51
38) Carbon Tetrachloride	5.63	117	57680	5.644	ug/l #	17
44) Trichloroethene	7.19	130	1578	0.224	ug/l	72
49) 1,4-Dioxane	7.74	88	167	1.157	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	198154	24.402	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	198154	61.488	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	199	2.656	ug/l #	54

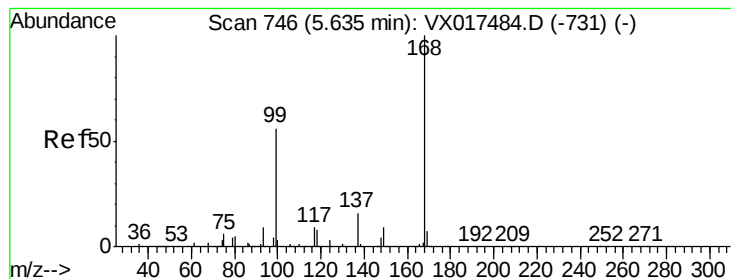
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080520\
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ClientSampleID :
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Quant Time: Aug 06 02:34:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

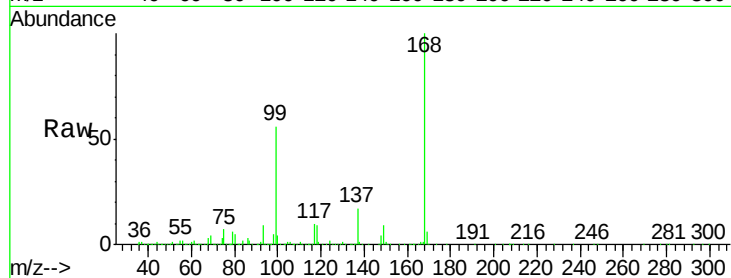
TB-01-200804RE

Tot Ion:168 Resp: 568586

Ion Ratio Lower Upper

168 100

99 55.8 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

250000

200000

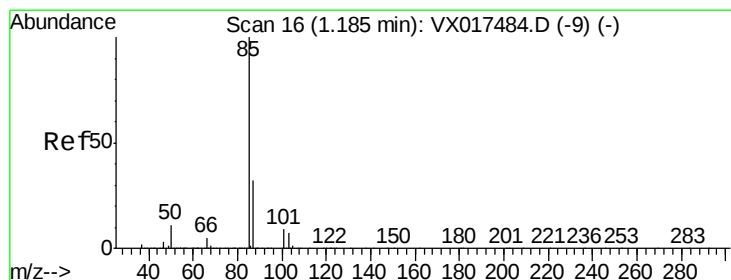
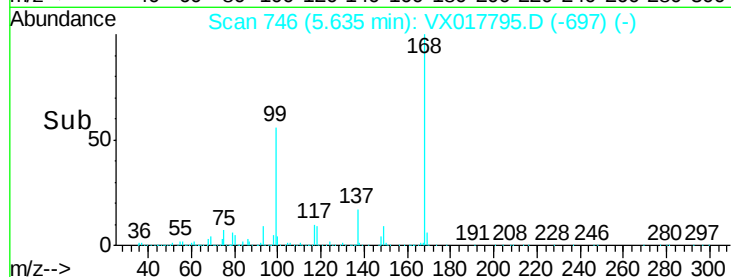
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017795.D

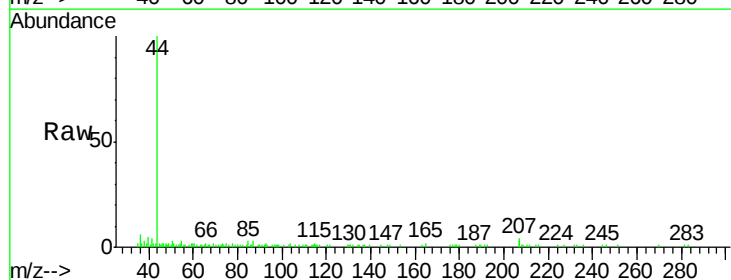
Acq: 05 Aug 2020 14:09

Tgt Ion: 85 Resp: 630

Ion Ratio Lower Upper

85 100

87 87.1 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

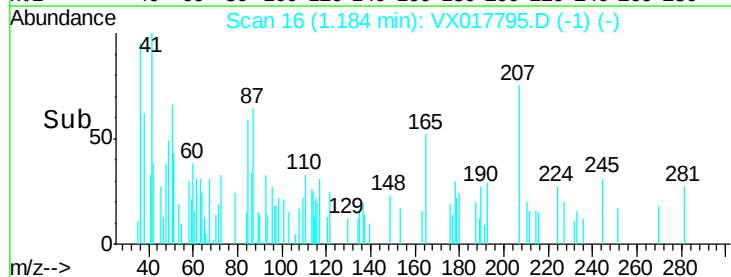
150

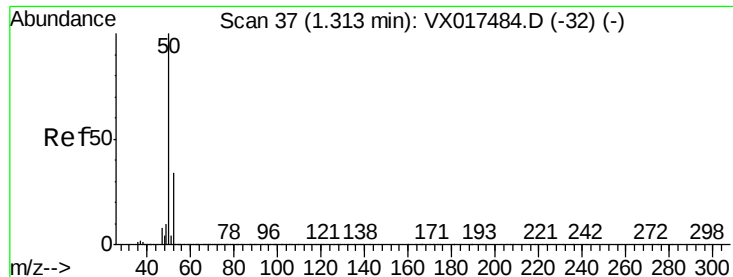
100

50

0

Time-->





#3

Chloromethane

Concen: 0.449 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

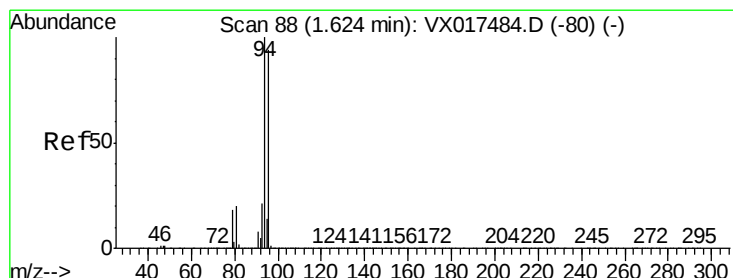
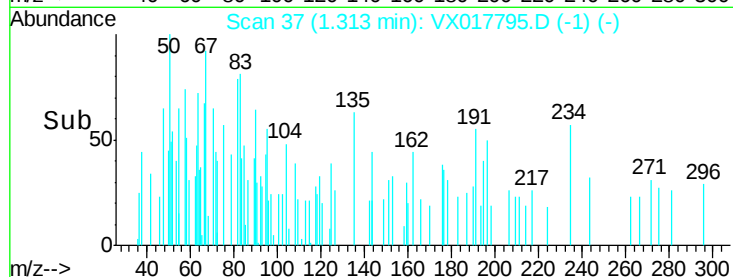
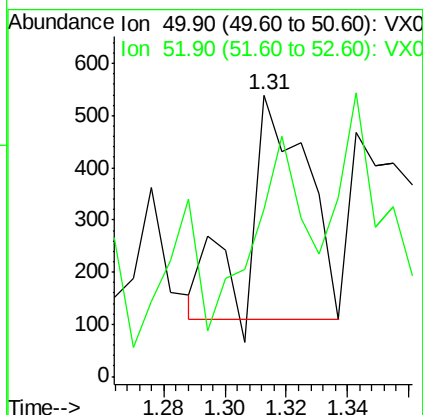
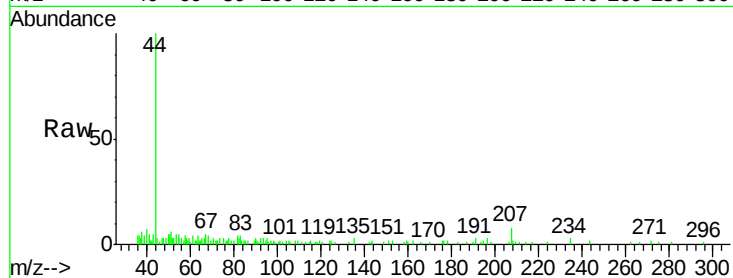
TB-01-200804RE

Tot Ion: 50 Resp: 579

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017795.D

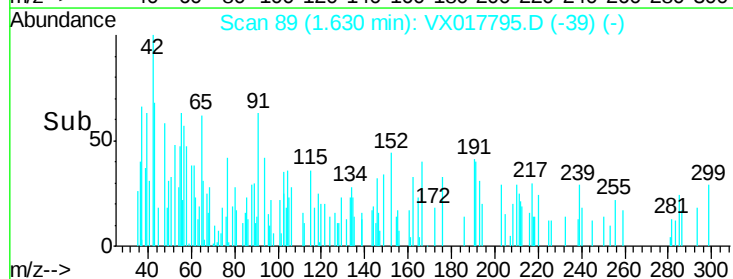
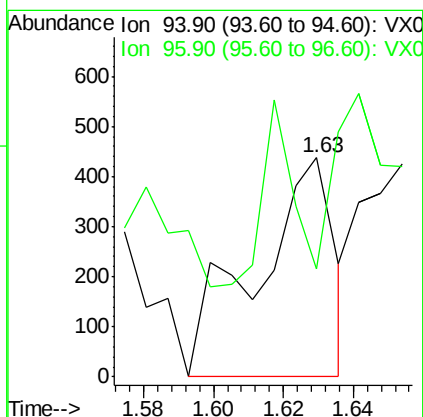
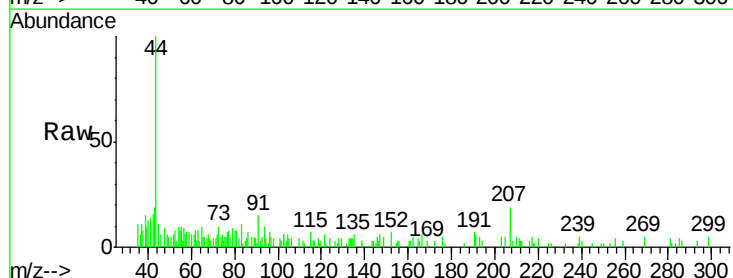
Acq: 05 Aug 2020 14:09

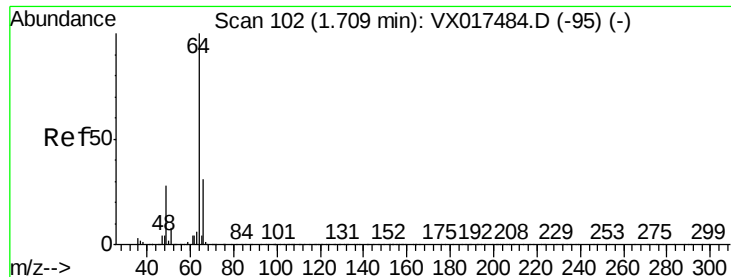
Tgt Ion: 94 Resp: 674

Ion Ratio Lower Upper

94 100

96 21.5 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

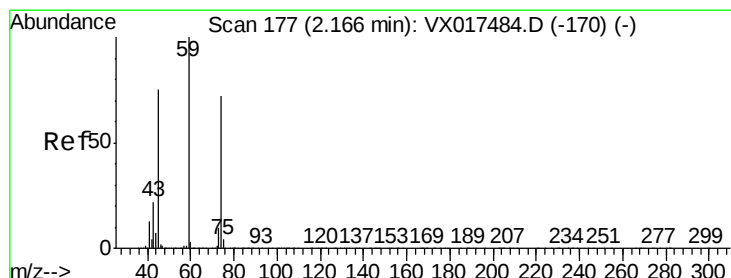
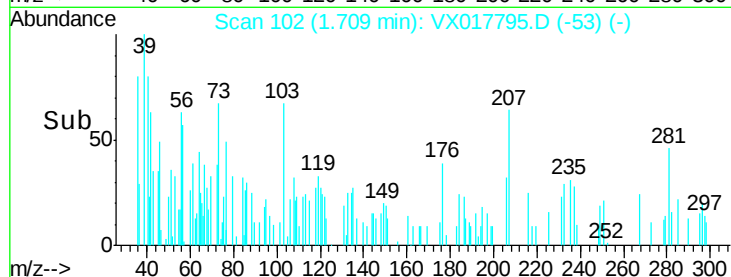
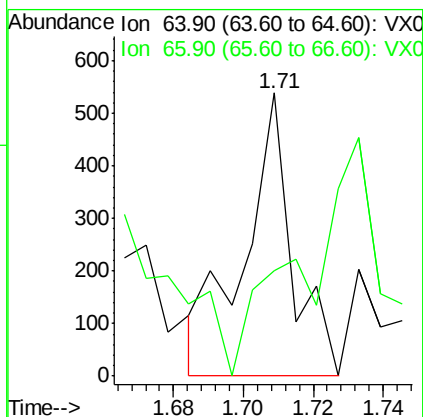
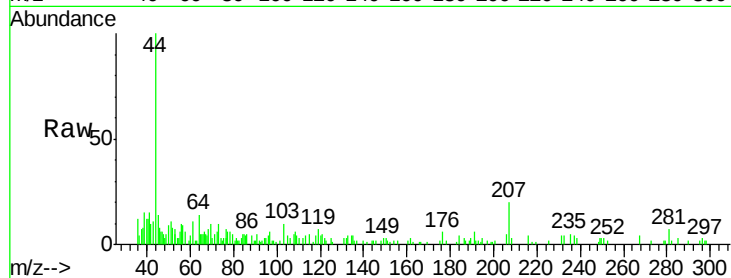
TB-01-200804RE

Tot Ion: 64 Resp: 512

Ion Ratio Lower Upper

64 100

66 11.9 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.25 min Scan# 190

Delta R.T. 0.08 min

Lab File: VX017795.D

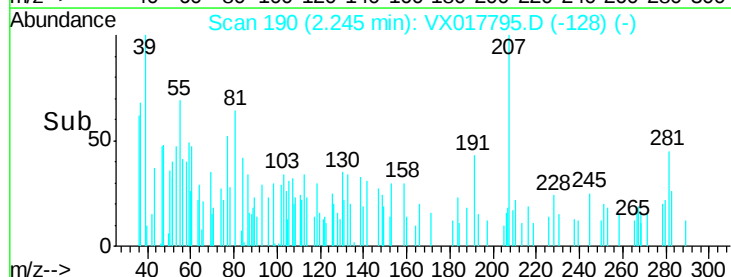
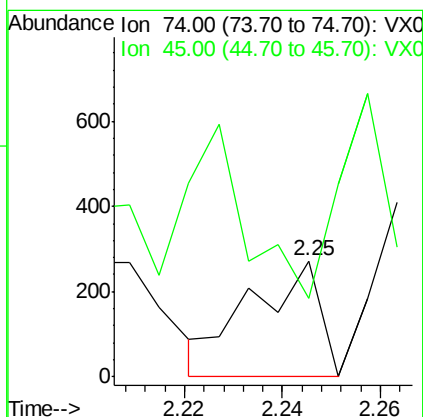
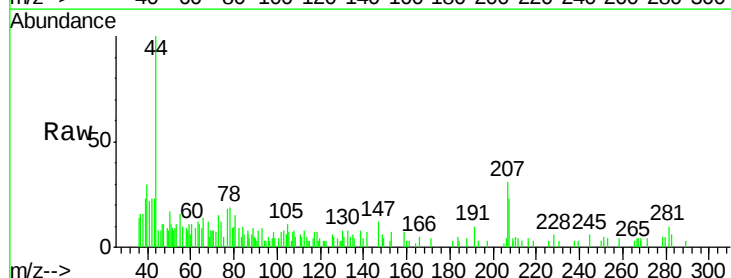
Acq: 05 Aug 2020 14:09

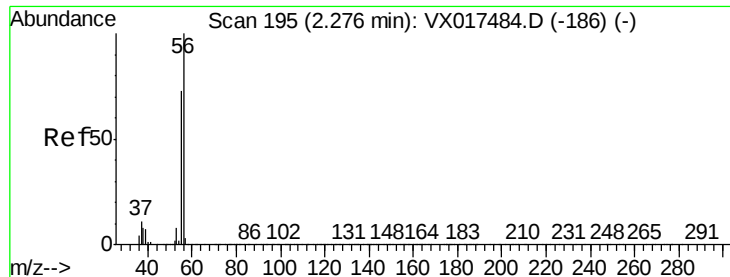
Tgt Ion: 74 Resp: 265

Ion Ratio Lower Upper

74 100

45 123.4 50.8 152.5





#13

Acrolein

Concen: 4.789 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

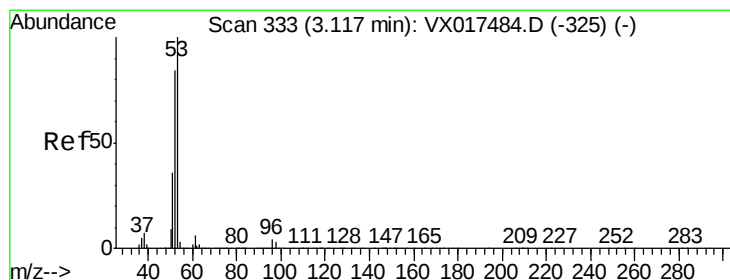
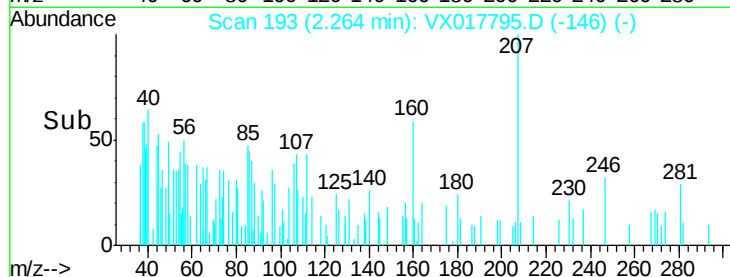
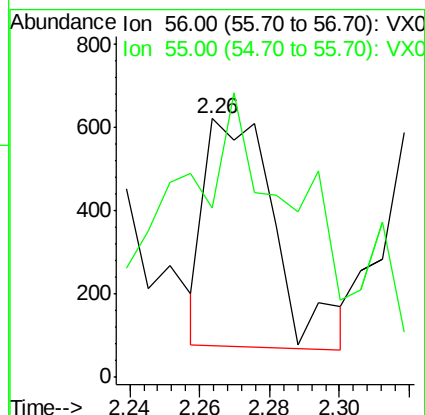
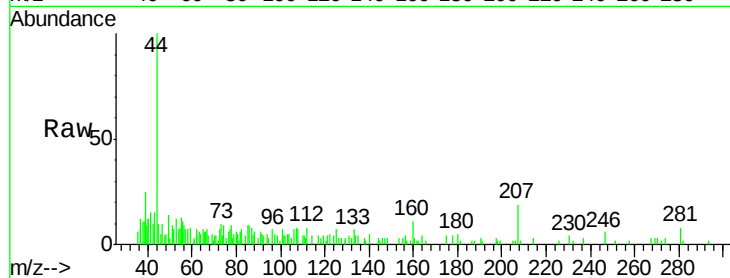
TB-01-200804RE

Tot Ion: 56 Resp: 765

Ion Ratio Lower Upper

56 100

55 109.9 57.4 86.2#



#15

Acrylonitrile

Concen: 0.353 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

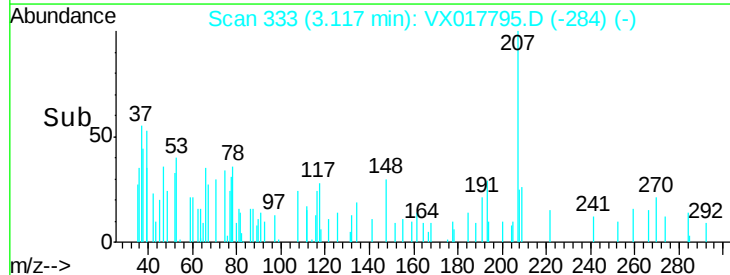
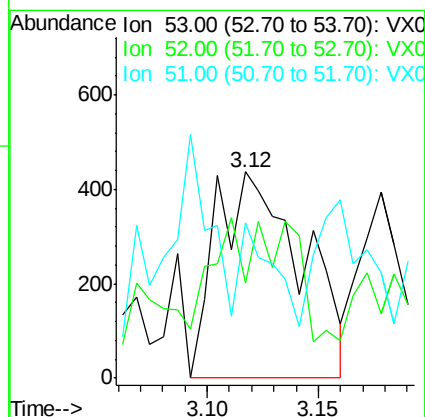
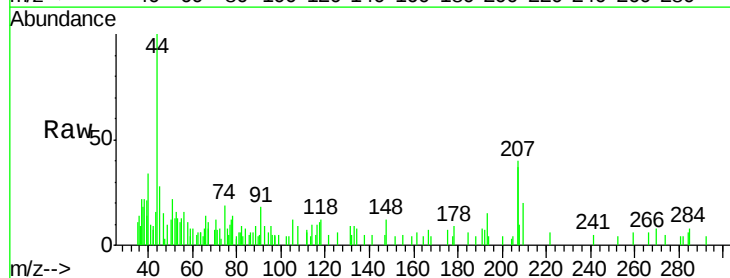
Tgt Ion: 53 Resp: 1174

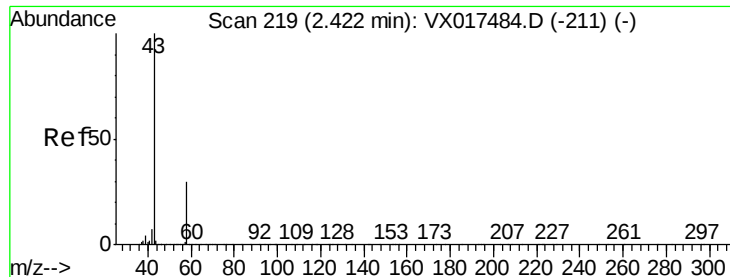
Ion Ratio Lower Upper

53 100

52 19.0 66.6 99.8#

51 18.6 29.4 44.2#

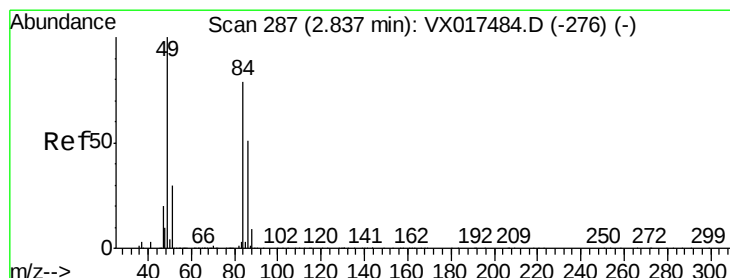
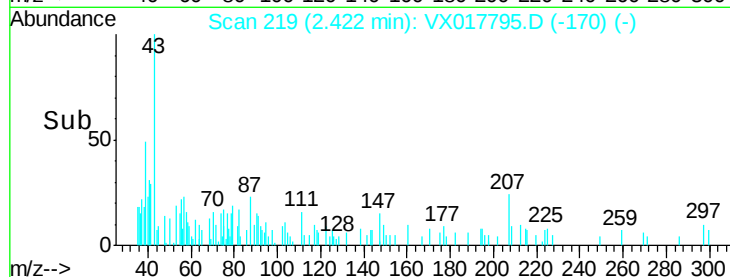
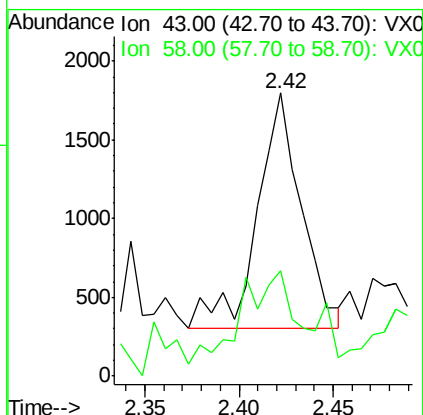
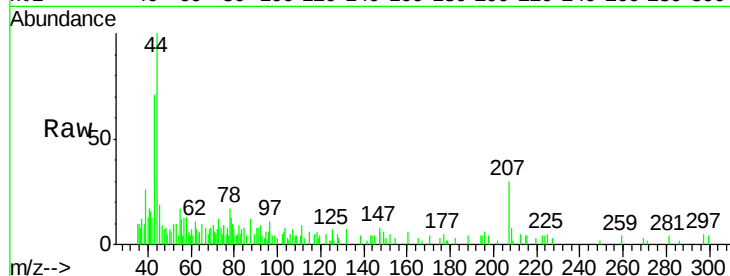




#16
Acetone
Concen: 0.757 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017795.D
Acq: 05 Aug 2020 14:09

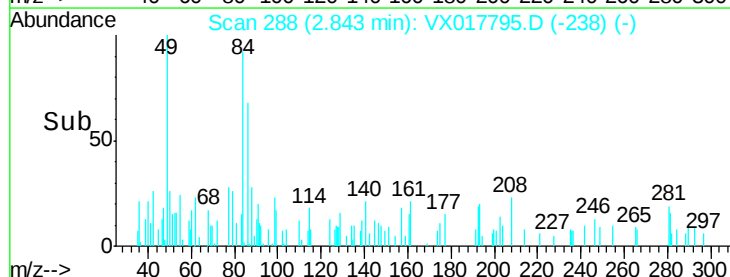
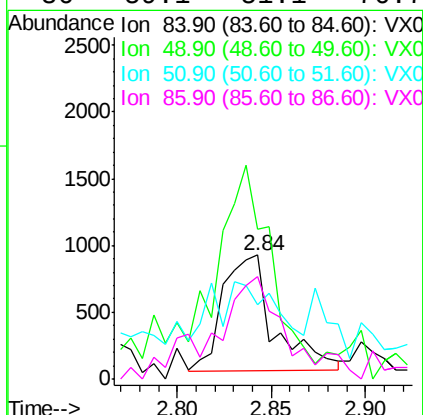
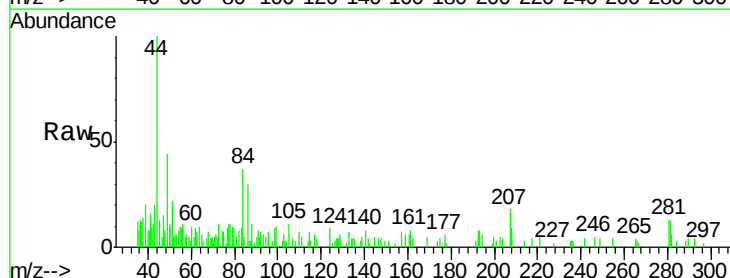
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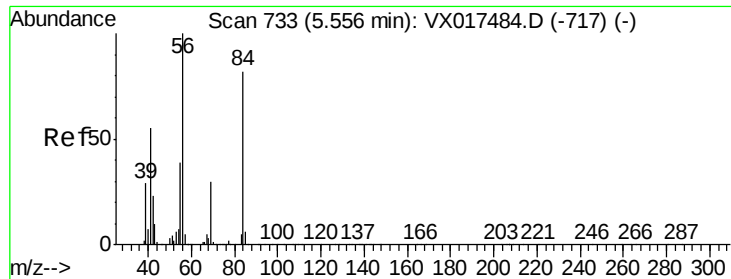
Tot Ion: 43 Resp: 2433
Ion Ratio Lower Upper
43 100
58 40.0 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017795.D
Acq: 05 Aug 2020 14:09

Tgt Ion: 84 Resp: 1636
Ion Ratio Lower Upper
84 100
49 94.9 100.3 150.5#
51 27.1 30.5 45.7#
86 59.1 51.1 76.7

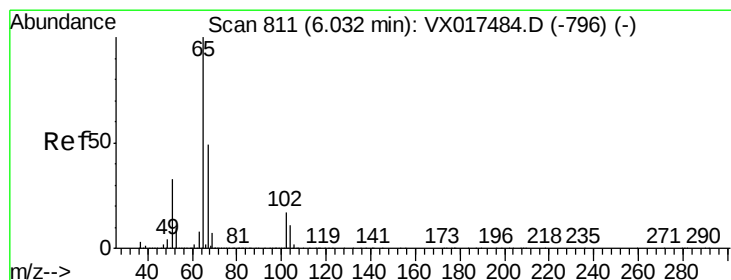
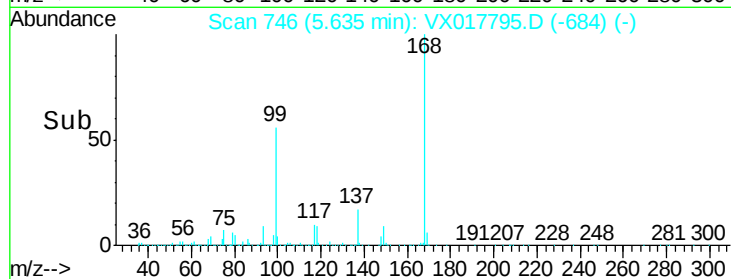
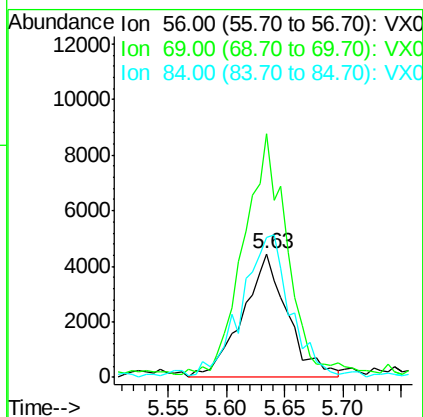
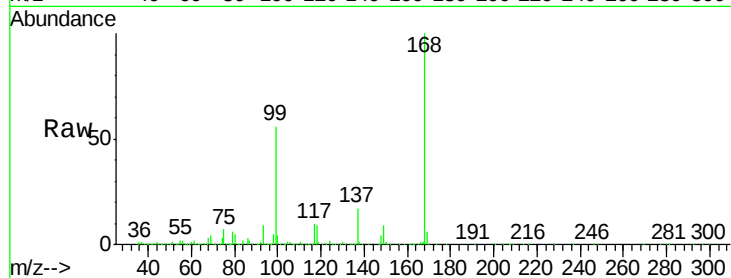




#31
Cvclohexane
Concen: 1.339 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX017795.D
Acq: 05 Aug 2020 14:09

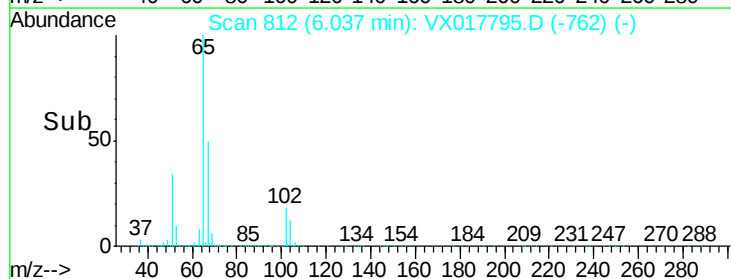
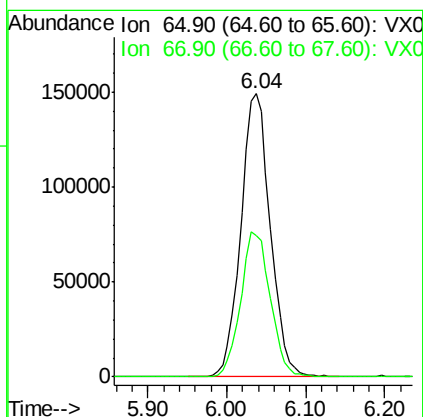
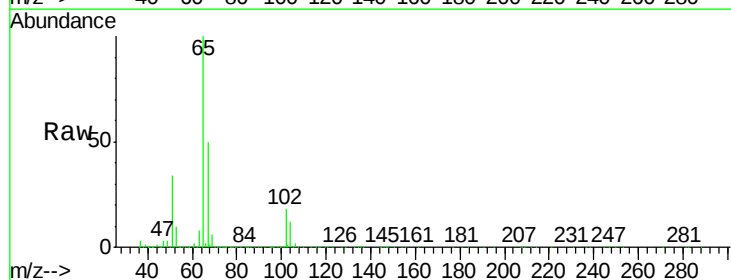
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200804RE

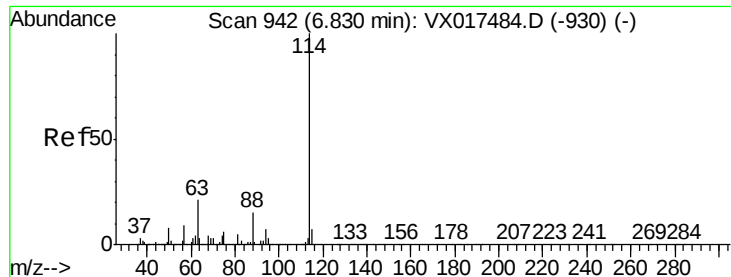
Tot Ion: 56 Resp: 12060
Ion Ratio Lower Upper
56 100
69 191.2 24.2 36.4#
84 111.9 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 52.965 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017795.D
Acq: 05 Aug 2020 14:09

Tgt Ion: 65 Resp: 386845
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200804RE

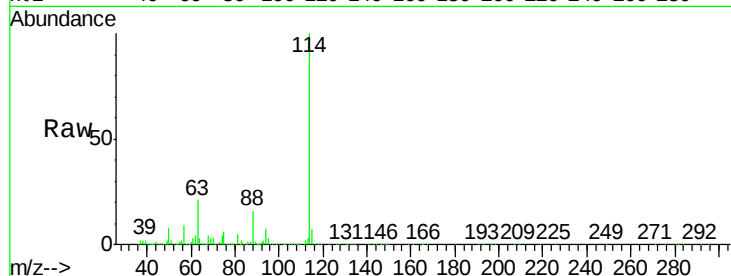
Tot Ion:114 Resp: 877514

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.6

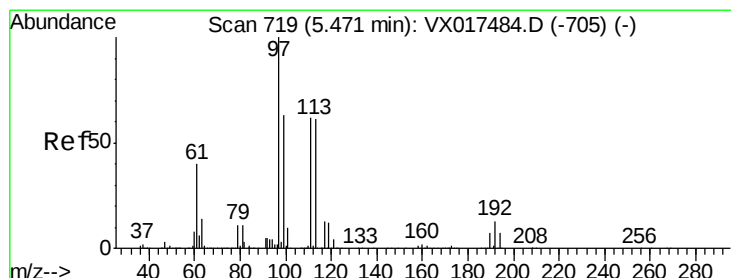
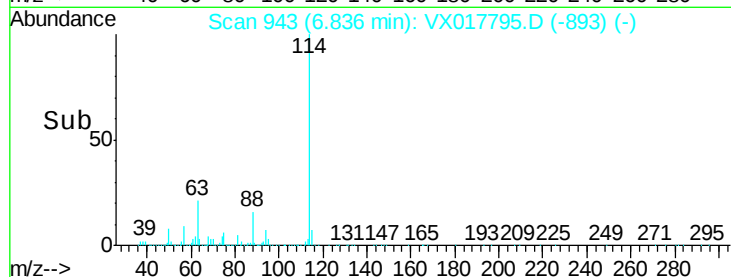
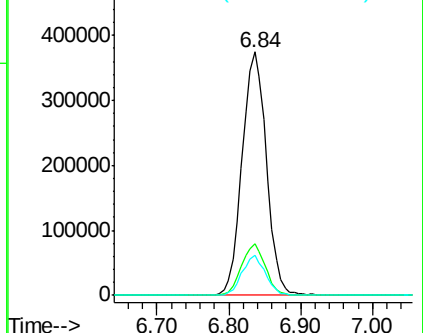
88 16.3 0.0 33.4



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: 50.174 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

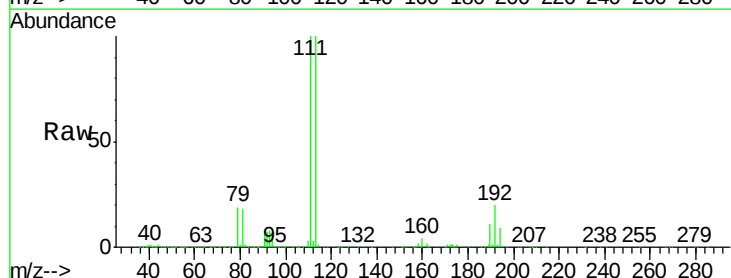
Tgt Ion:113 Resp: 294462

Ion Ratio Lower Upper

113 100

111 99.5 80.7 121.1

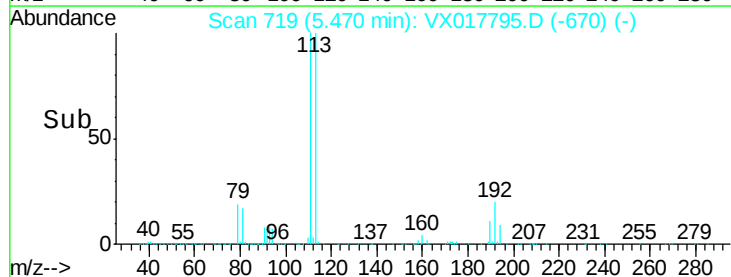
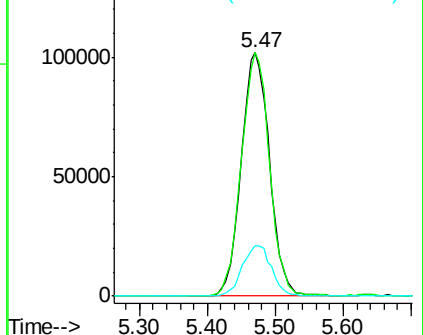
192 21.3 16.9 25.3

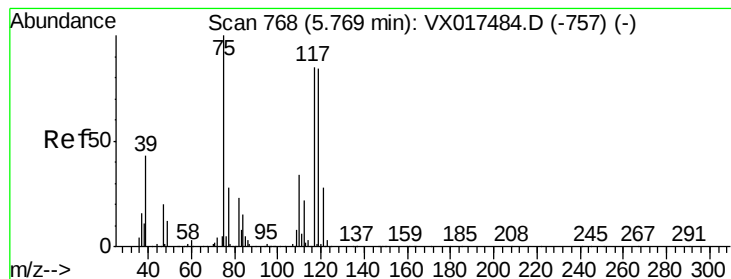


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.075 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200804RE

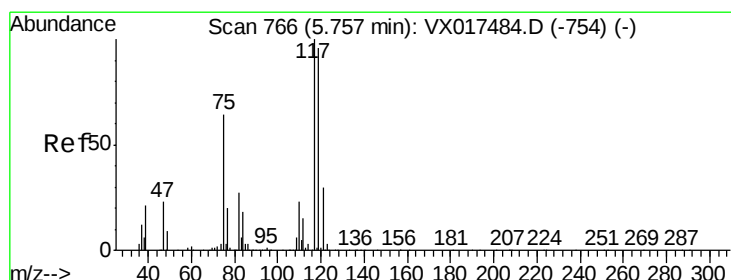
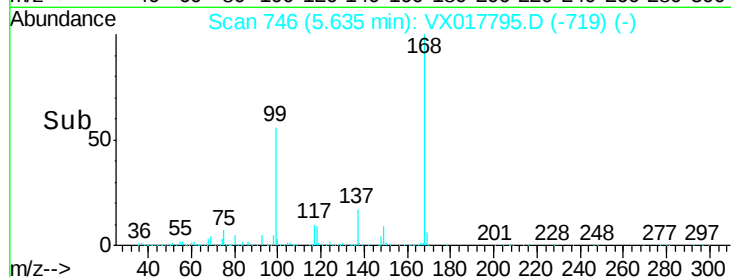
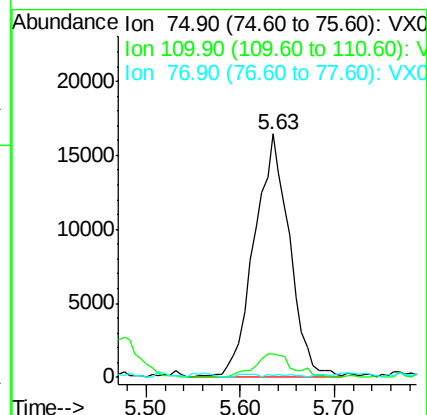
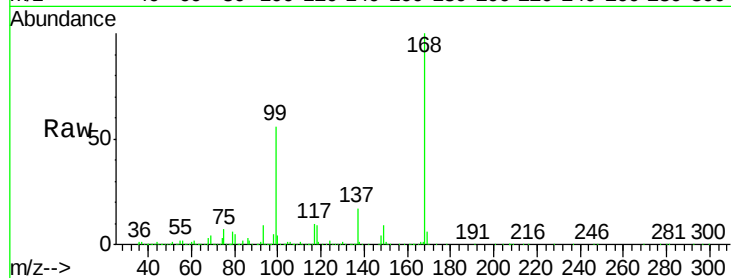
Tot Ion: 75 Resp: 42710

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.3#

77 0.5 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.644 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

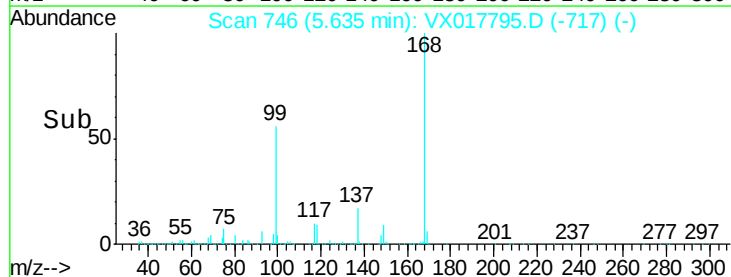
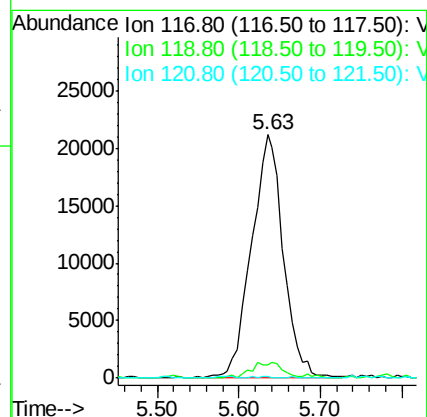
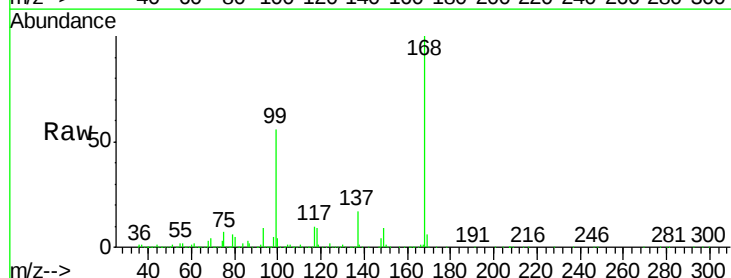
Tgt Ion: 117 Resp: 57680

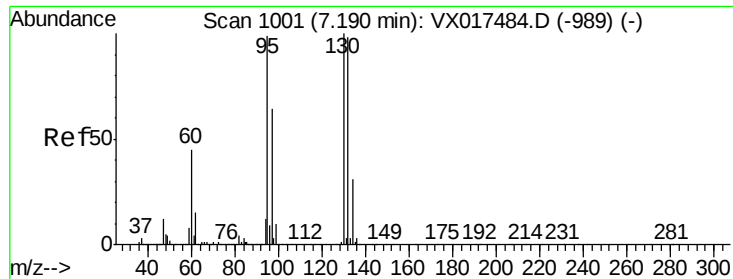
Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.0#

121 0.6 24.3 36.5#





#44

Trichloroethene

Concen: 0.224 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampled :

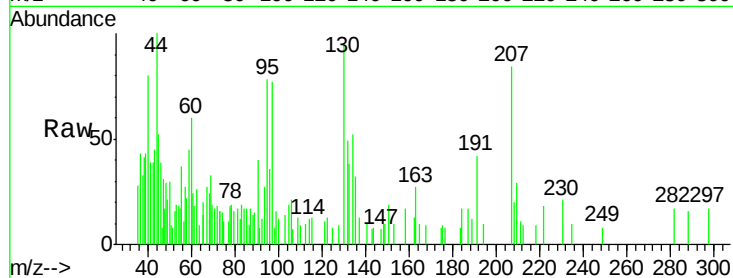
TB-01-200804RE

Tot Ion:130 Resp: 1578

Ion Ratio Lower Upper

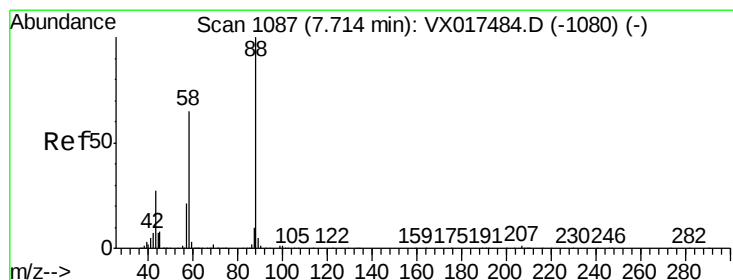
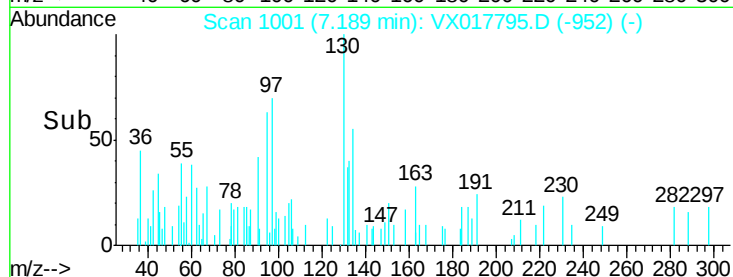
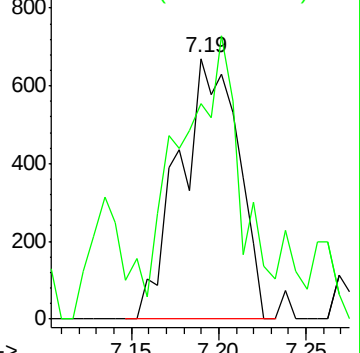
130 100

95 67.7 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.157 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

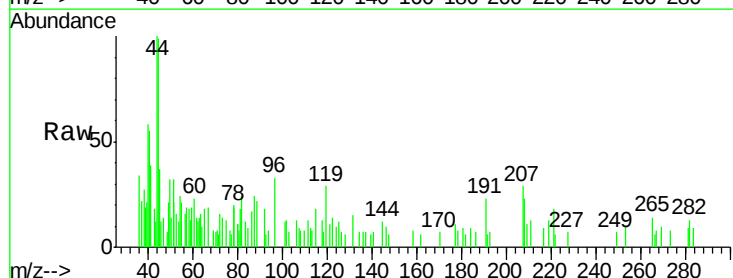
Tgt Ion: 88 Resp: 167

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

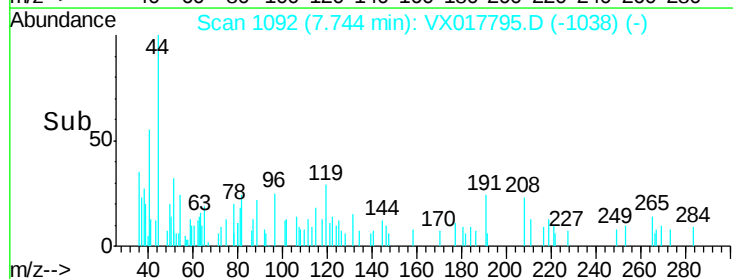
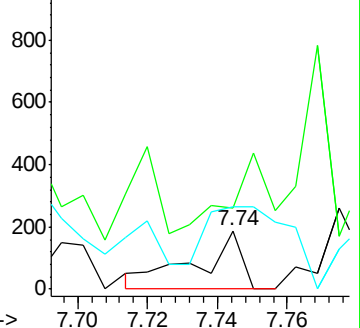
58 279.0 58.3 87.5#

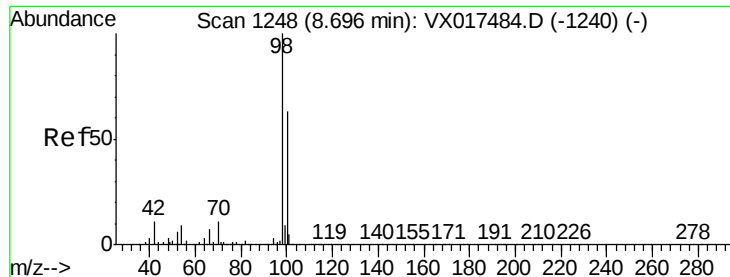


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.045 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

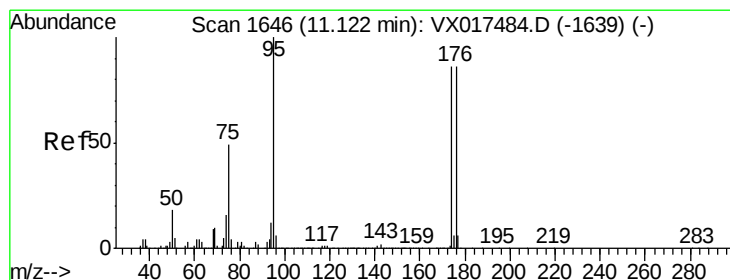
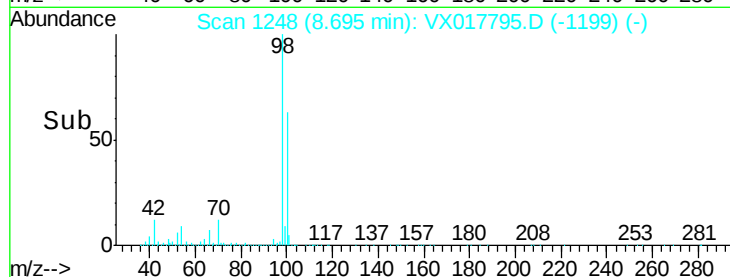
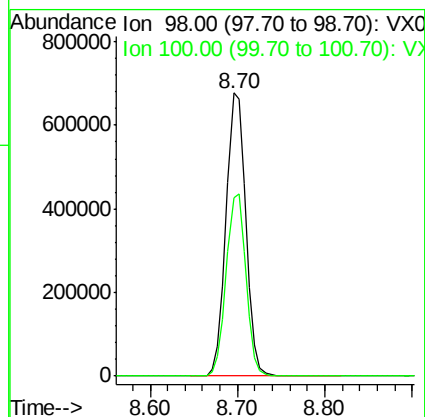
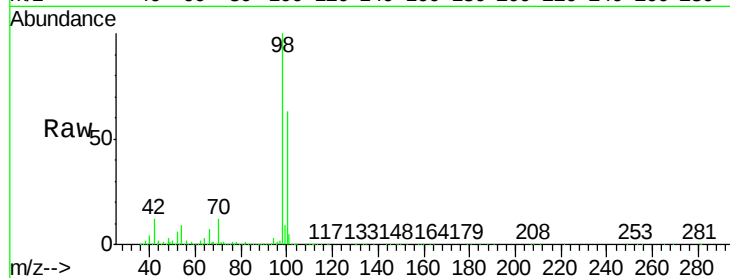
TB-01-200804RE

Tot Ion: 98 Resp: 1059550

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 45.339 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

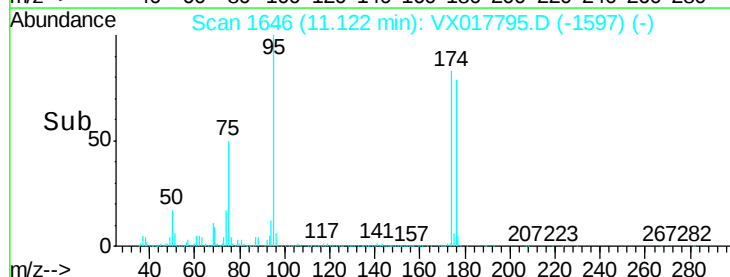
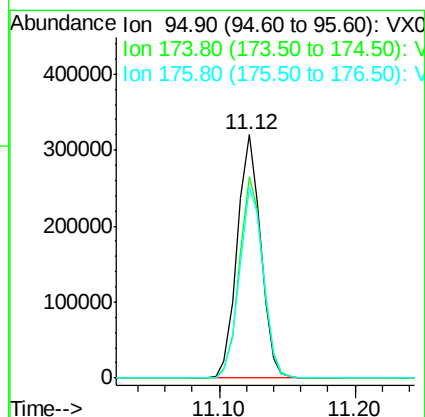
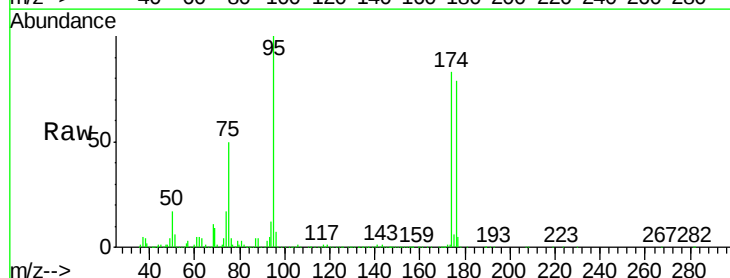
Tgt Ion: 95 Resp: 384158

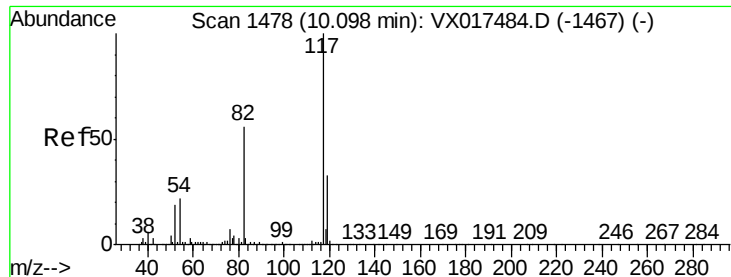
Ion Ratio Lower Upper

95 100

174 82.9 0.0 169.0

176 79.9 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: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200804RE

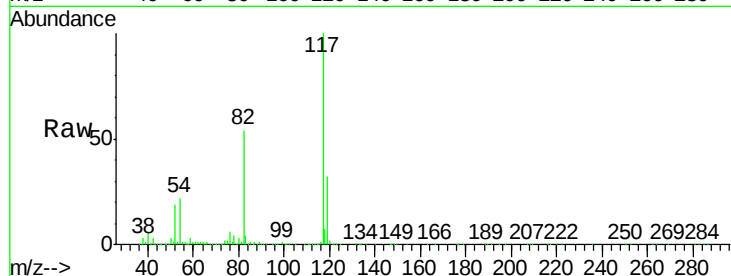
Tot Ion:117 Resp: 822820

Ion Ratio Lower Upper

117 100

82 53.8 44.0 66.0

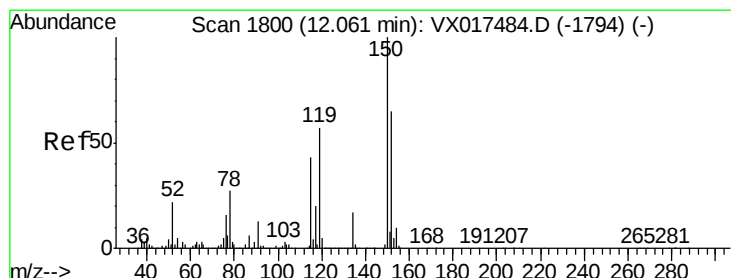
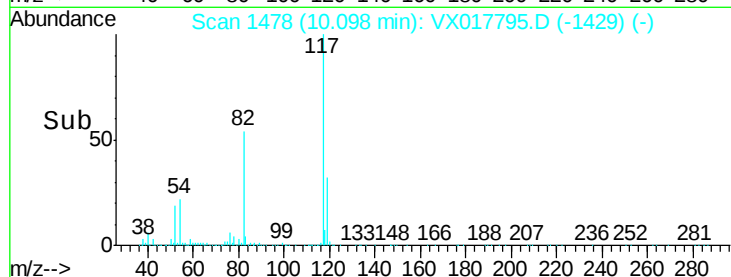
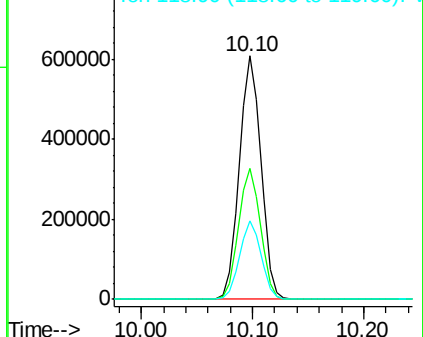
119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX017795.D

Acq: 05 Aug 2020 14:09

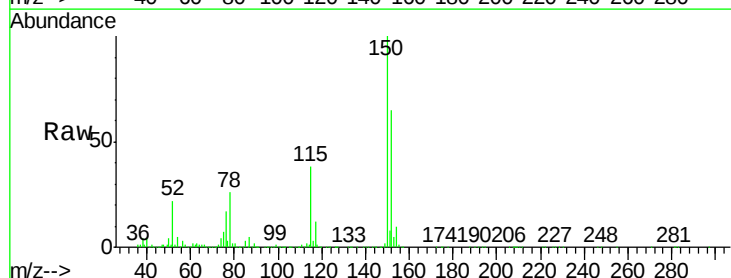
Tgt Ion:152 Resp: 394756

Ion Ratio Lower Upper

152 100

115 57.9 65.5 196.6#

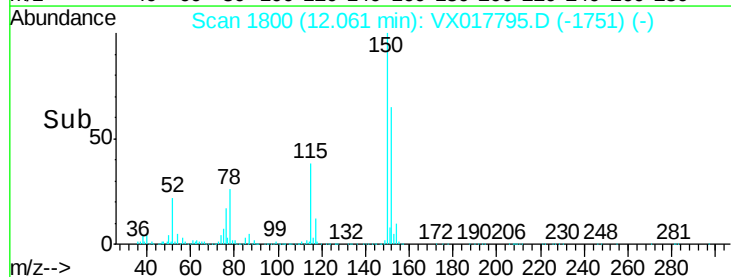
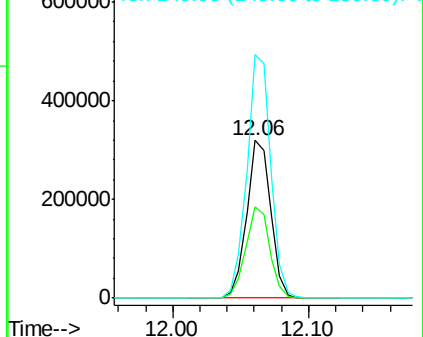
150 153.9 0.0 412.6

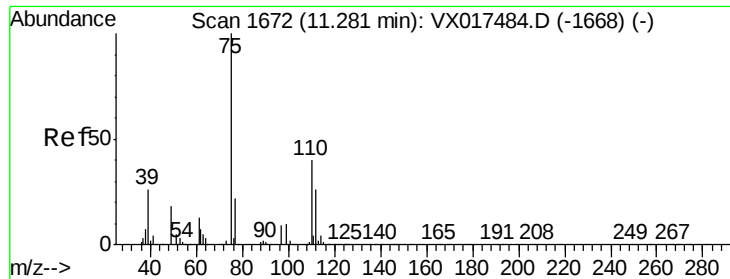


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

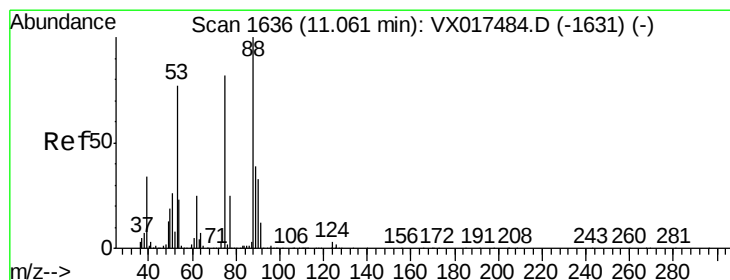
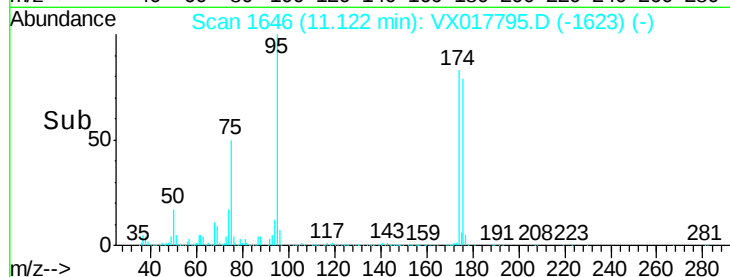
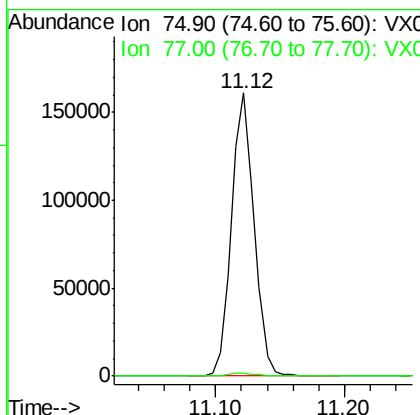
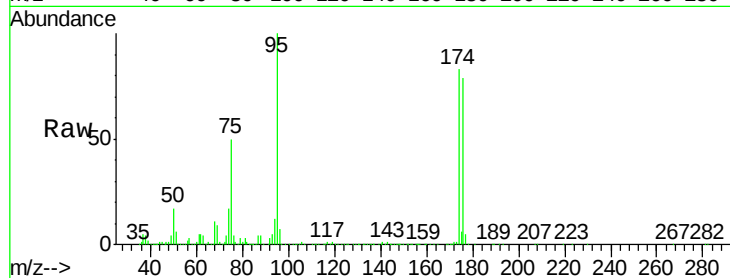




#76
 1,2,3-Trichloropropane
 Concen: 24.402 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017795.D
 Acq: 05 Aug 2020 14:09

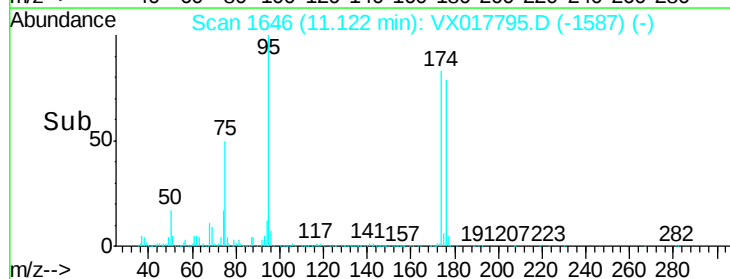
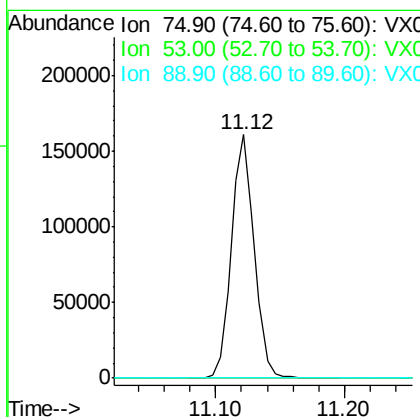
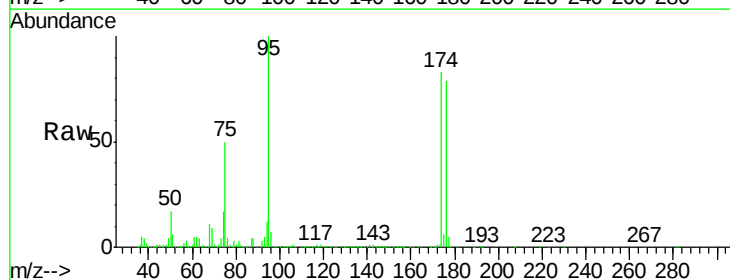
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200804RE

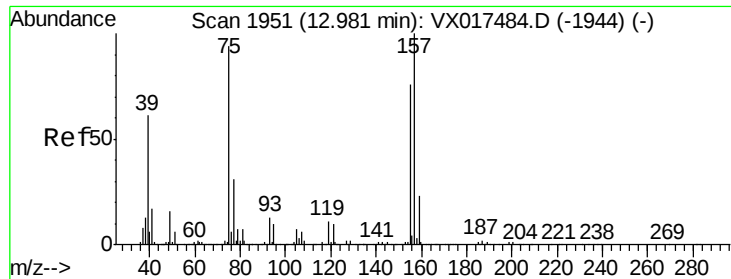
Tot Ion: 75 Resp: 198154
 Ion Ratio Lower Upper
 75 100
 77 1.7 21.8 65.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.488 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017795.D
 Acq: 05 Aug 2020 14:09

Tgt Ion: 75 Resp: 198154
 Ion Ratio Lower Upper
 75 100
 53 0.6 75.9 113.9#
 89 0.1 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.656 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017795.D

Acq: 05 Aug 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200804RE

Tot Ion: 75 Resp: 199

Ion Ratio Lower Upper

75 100

155 40.2 42.3 126.8#

157 61.8 54.3 162.9

