

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011676.D
 Acq On : 20 Aug 2019 11:54
 Operator : JC/SP
 Sample : K4406-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190816RE

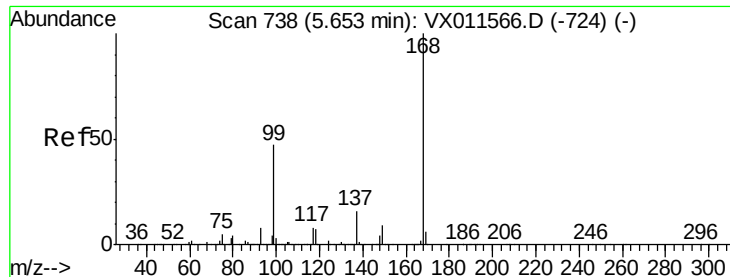
Quant Time: Aug 31 00:48:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	432578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	586600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	522591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258549	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	210206	52.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.80%	
35) Dibromofluoromethane	5.49	113	170647	44.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.96%	
50) Toluene-d8	8.71	98	677786	56.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.40%	
62) 4-Bromofluorobenzene	11.13	95	238090	47.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	806	0.451	ug/l #	57
11) Tert butyl alcohol	3.04	59	320	0.325	ug/l #	45
13) Acrolein	2.28	56	299	13.123	ug/l #	1
20) Methylene Chloride	2.84	84	976	0.230	ug/l #	48
31) Cyclohexane	5.65	56	6324	1.063	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	25169	5.018	ug/l #	50
38) Carbon Tetrachloride	5.65	117	36968	6.690	ug/l #	16
49) 1,4-Dioxane	7.73	88	78	0.658	ug/l #	1
71) Bromoform	10.77	173	106	3.316	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	112017	22.848	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	112017	60.827	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

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MSVOA_X

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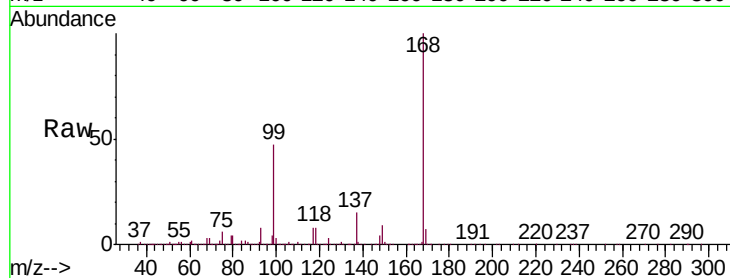
TT-TB-20190816RE

Tgt Ion:168 Resp: 432578

Ion Ratio Lower Upper

168 100

99 47.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

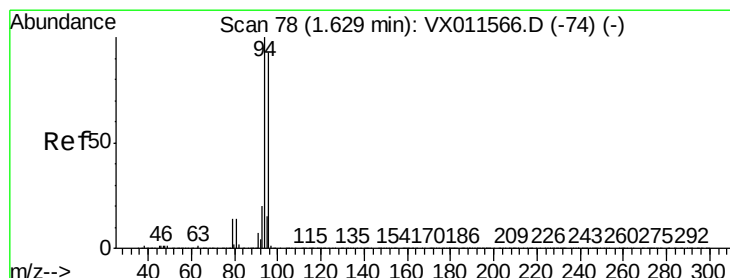
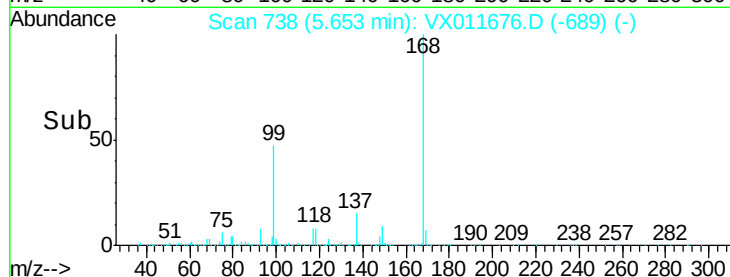
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.451 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011676.D

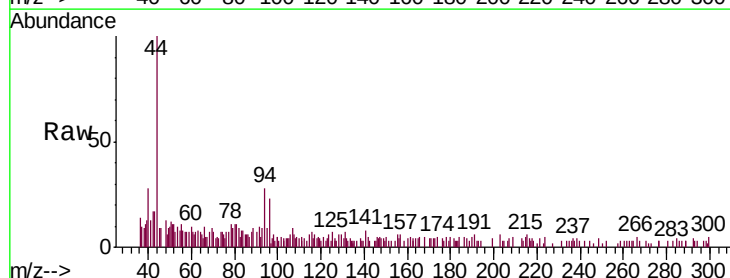
Acq: 20 Aug 2019 11:54

Tgt Ion: 94 Resp: 806

Ion Ratio Lower Upper

94 100

96 51.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

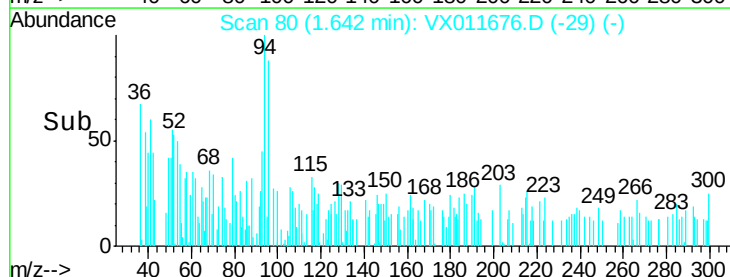
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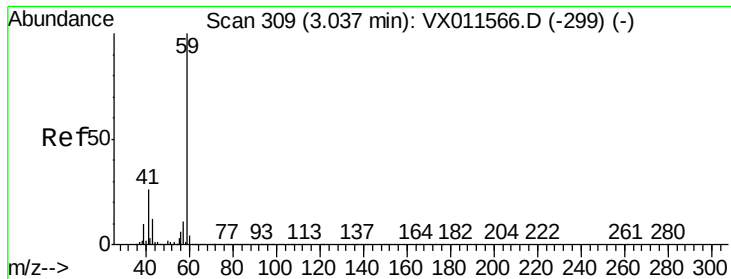
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200

0

Time-->

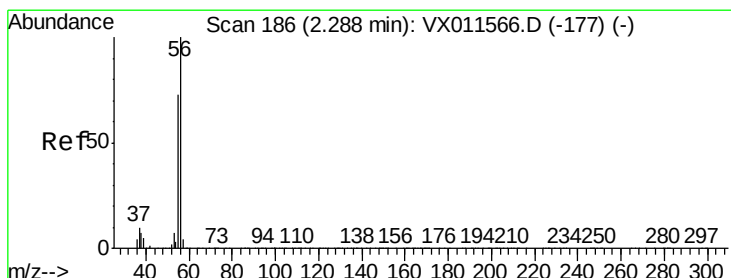
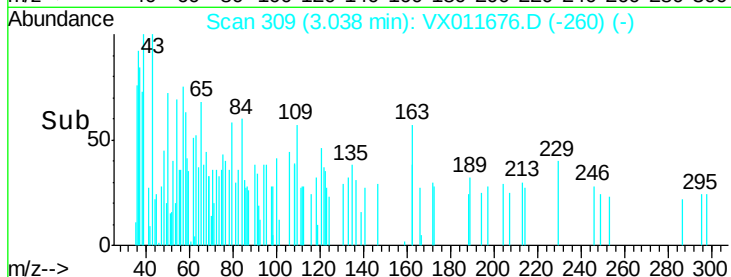
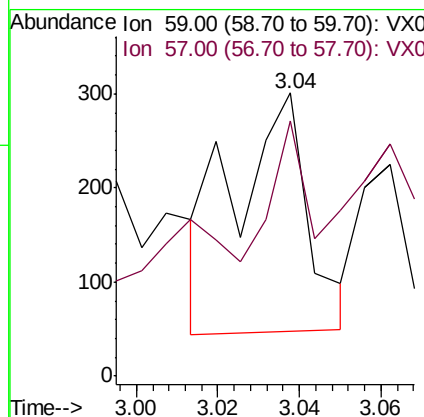
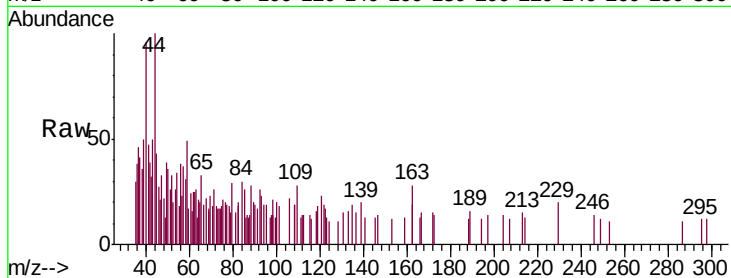




#11
Tert butyl alcohol
Concen: 0.325 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011676.D
Acq: 20 Aug 2019 11:54

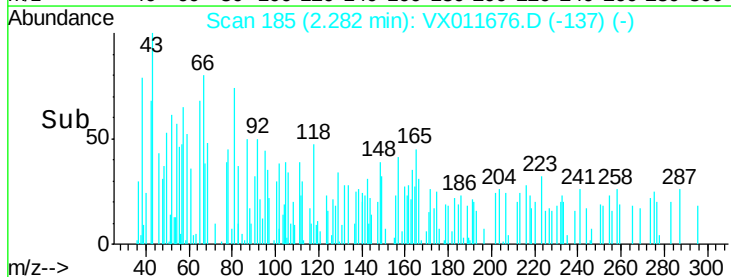
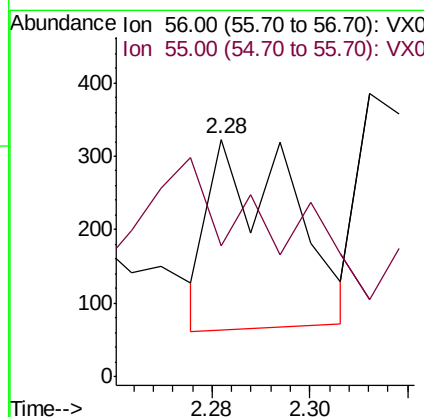
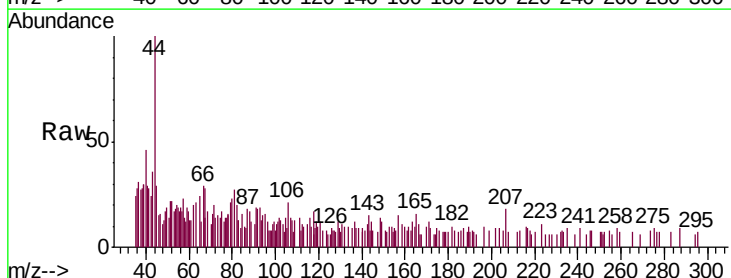
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190816RE

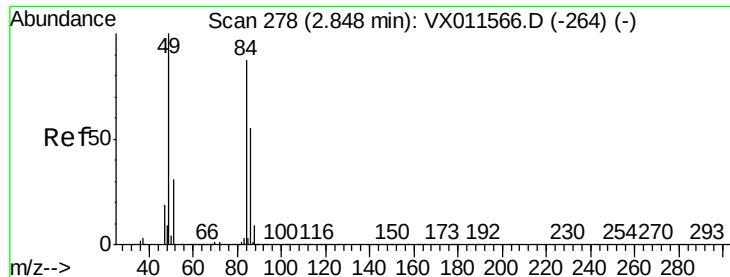
Tgt Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 31.9 8.7 13.1#



#13
Acrolein
Concen: 13.123 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011676.D
Acq: 20 Aug 2019 11:54

Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 245.8 55.5 83.3#





#20

Methylene Chloride

Concen: 0.230 ug/l

RT: 2.84 min Scan# 277

Delta R.T. -0.01 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190816RE

Tgt Ion: 84 Resp: 976

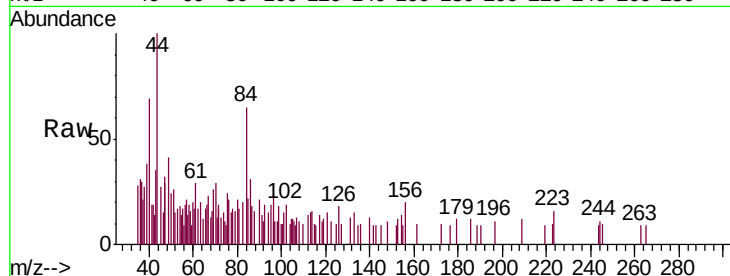
Ion Ratio Lower Upper

84 100

49 37.0 92.4 138.6#

51 11.7 28.5 42.7#

86 47.4 51.0 76.6#

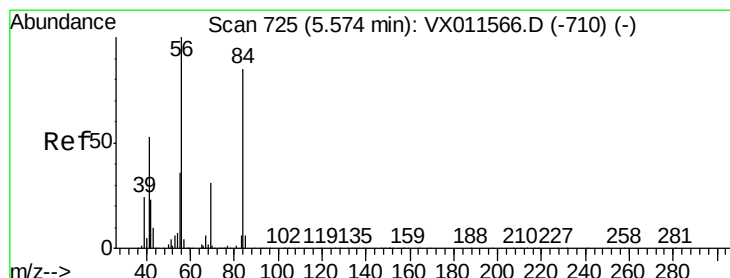
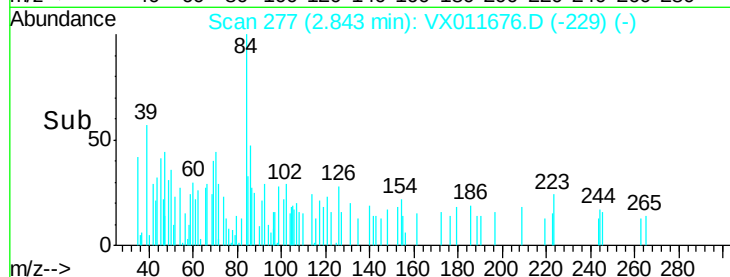
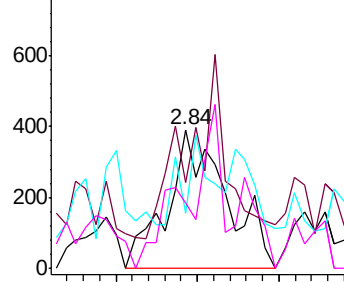


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

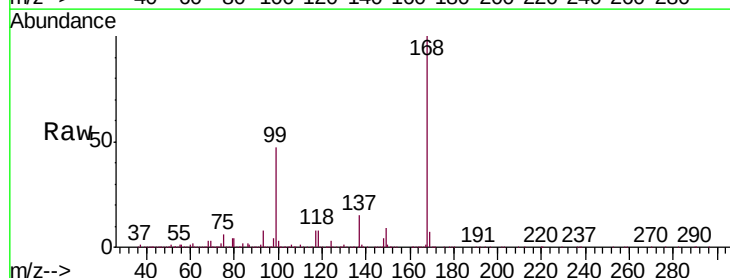
Tgt Ion: 56 Resp: 6324

Ion Ratio Lower Upper

56 100

69 212.2 24.8 37.2#

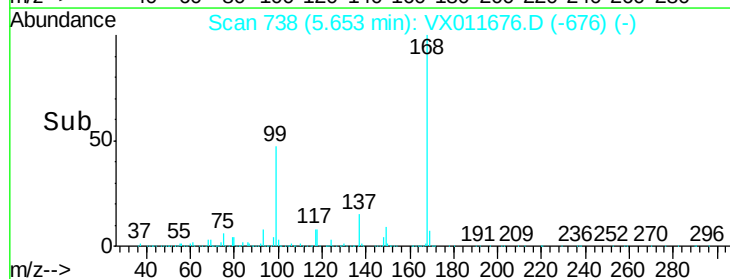
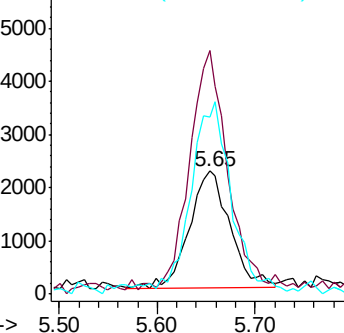
84 150.6 67.9 101.9#

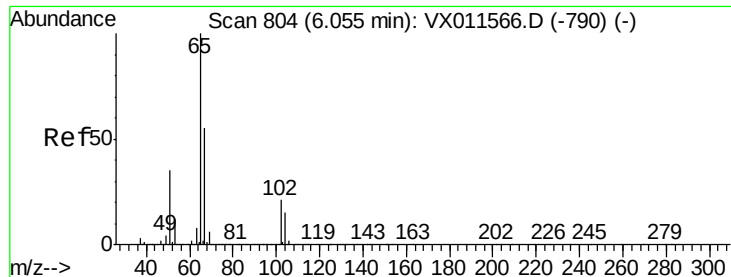


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

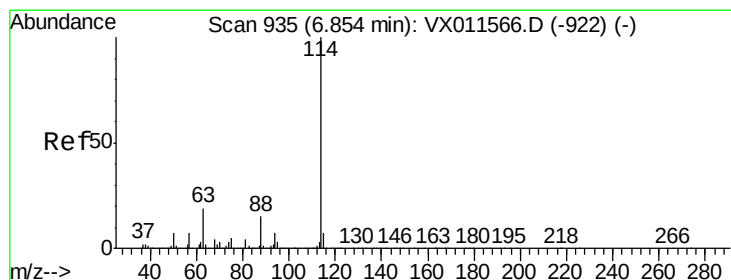
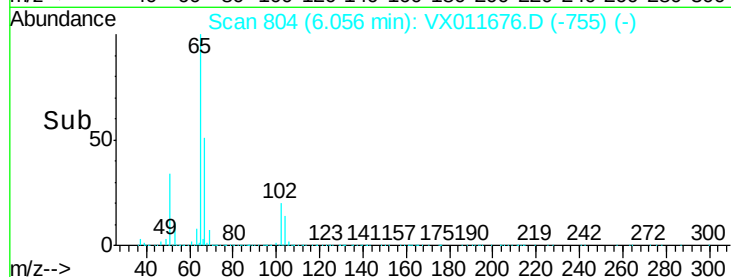
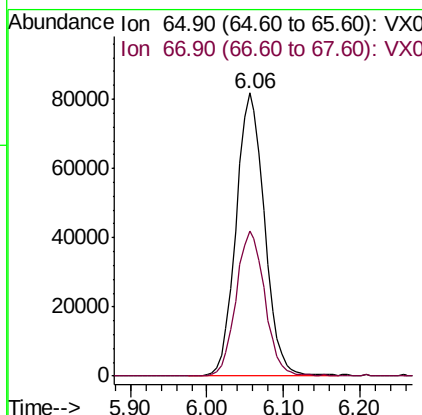
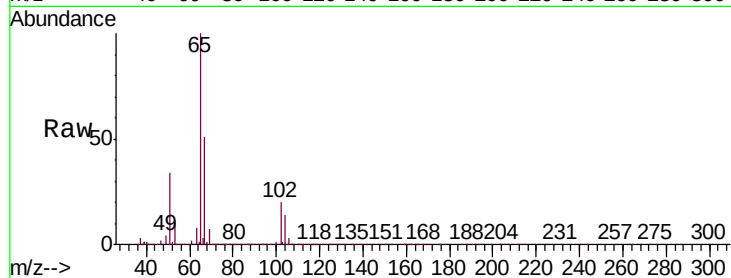




#33
 1,2-Dichloroethane-d4
 Concen: 52.400 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011676.D
 Acq: 20 Aug 2019 11:54

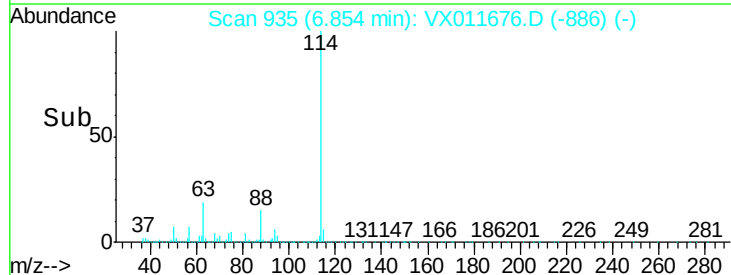
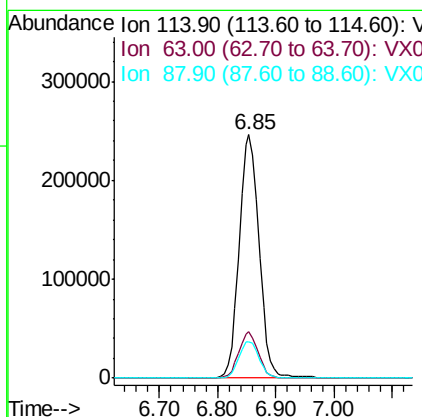
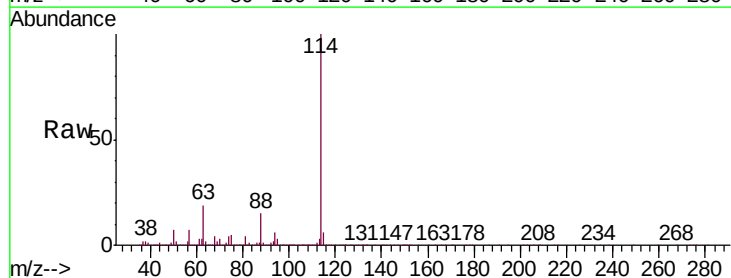
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190816RE

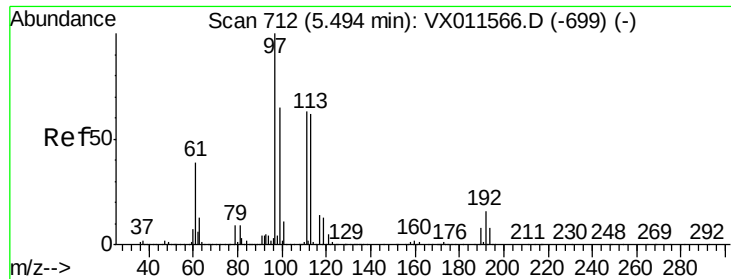
Tgt Ion: 65 Resp: 210206
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011676.D
 Acq: 20 Aug 2019 11:54

Tgt Ion: 114 Resp: 586600
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.8
 88 14.7 0.0 30.2

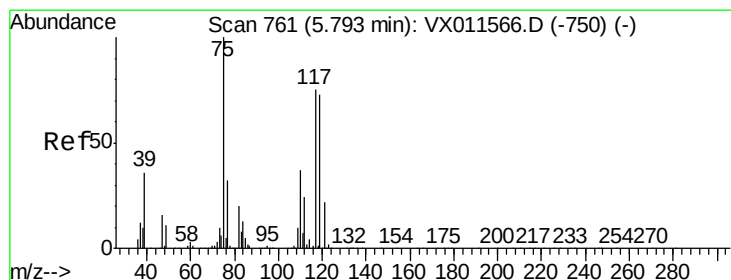
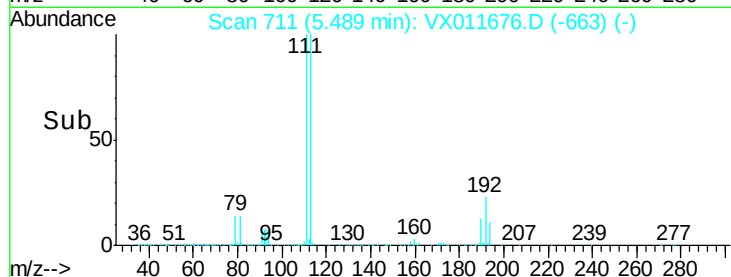
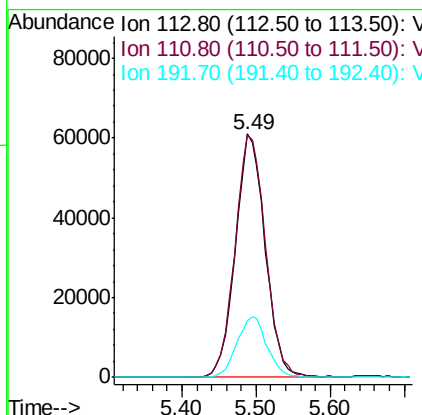
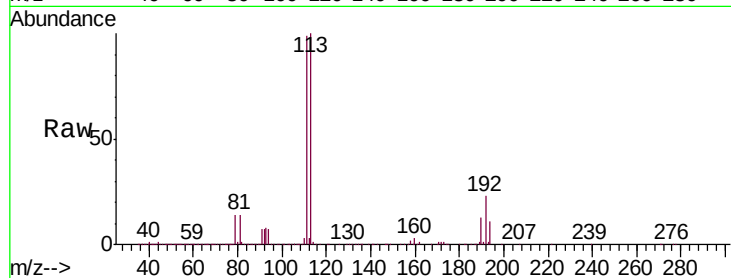




#35
 Dibromofluoromethane
 Concen: 44.477 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011676.D
 Acq: 20 Aug 2019 11:54

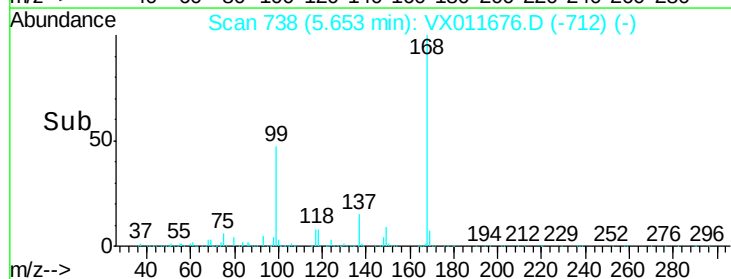
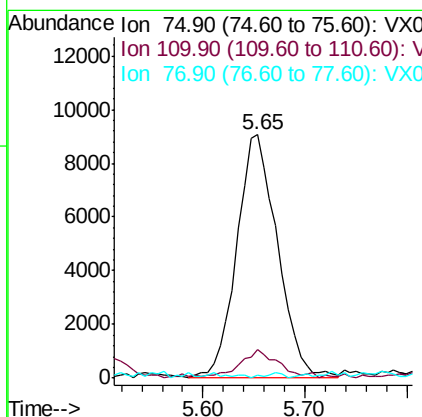
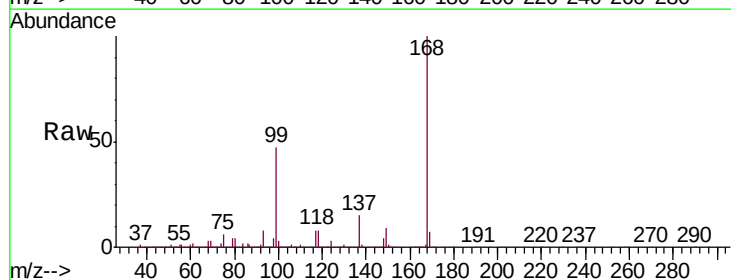
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190816RE

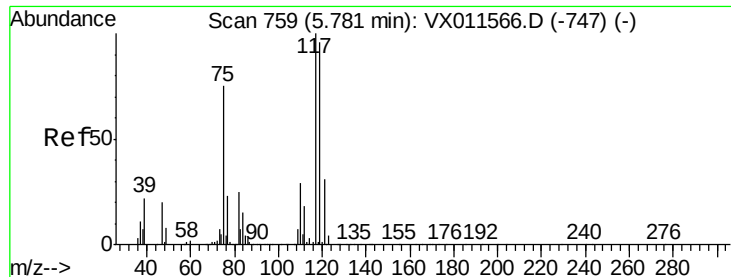
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	25.4	20.8	31.2



#36
 1,1-Dichloropropene
 Concen: 5.018 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011676.D
 Acq: 20 Aug 2019 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	19.4	58.1#
77	0.3	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 6.690 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190816RE

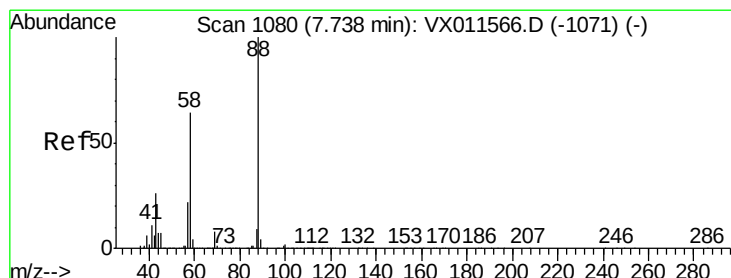
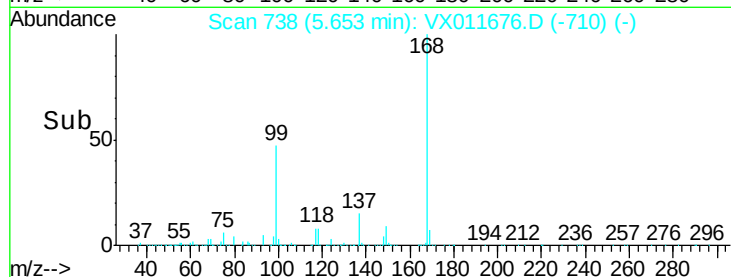
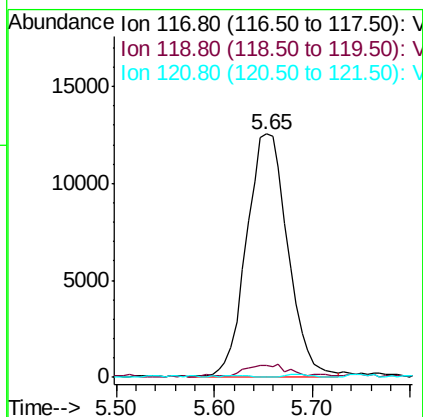
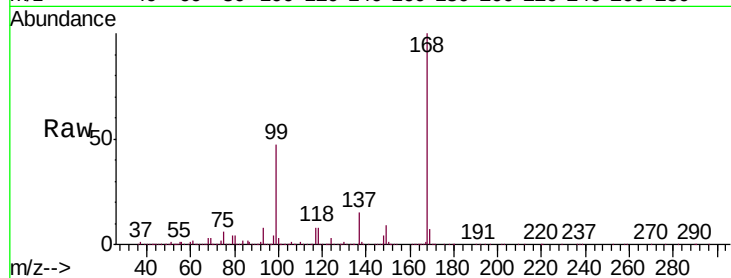
Tgt Ion: 117 Resp: 36968

Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

121 0.0 24.8 37.2#



#49

1,4-Dioxane

Concen: 0.658 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

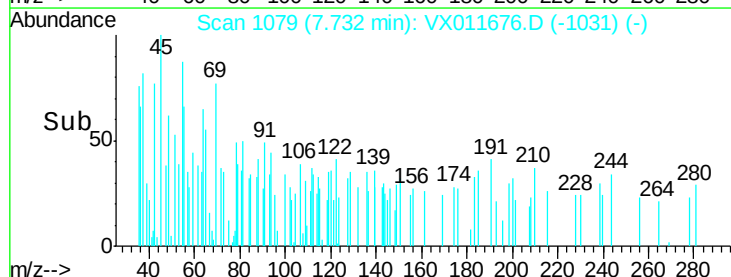
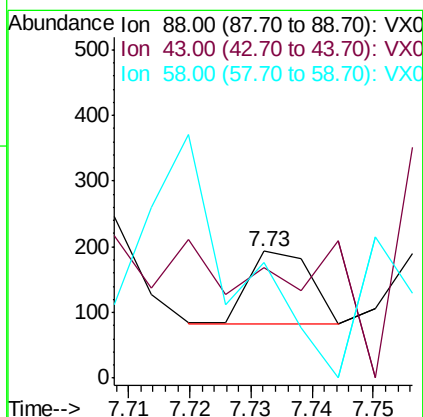
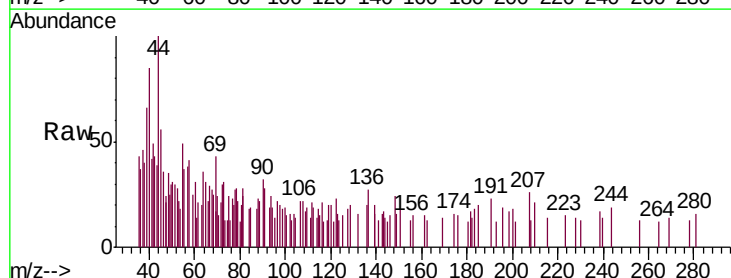
Tgt Ion: 88 Resp: 78

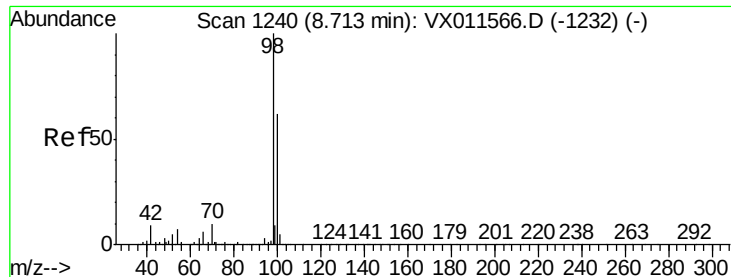
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

58 589.7 54.3 81.5#





#50

Toluene-d8

Concen: 56.696 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

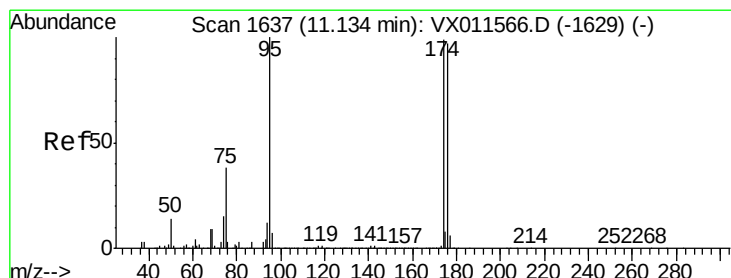
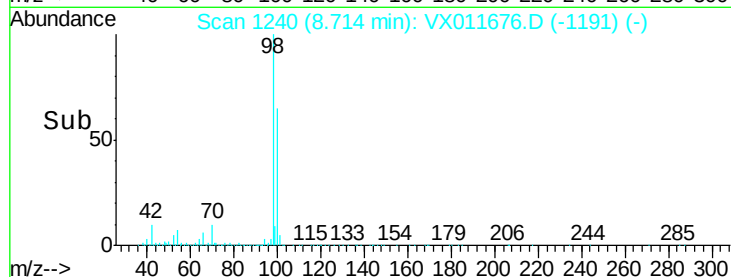
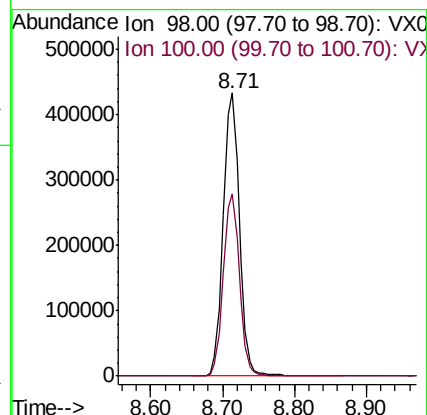
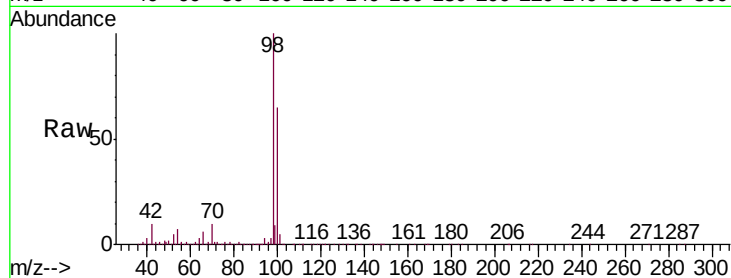
TT-TB-20190816RE

Tgt Ion: 98 Resp: 677786

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 47.185 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

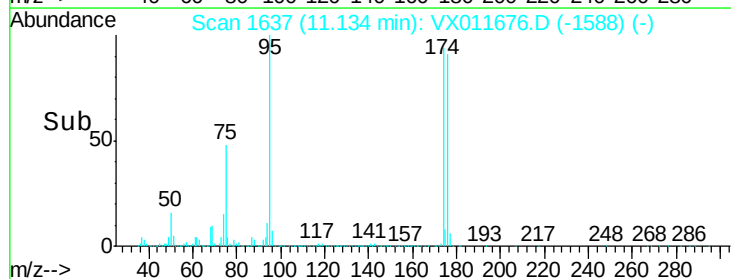
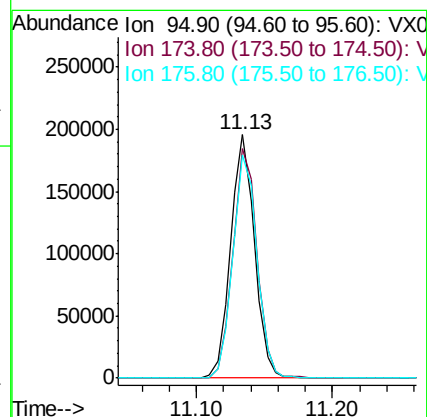
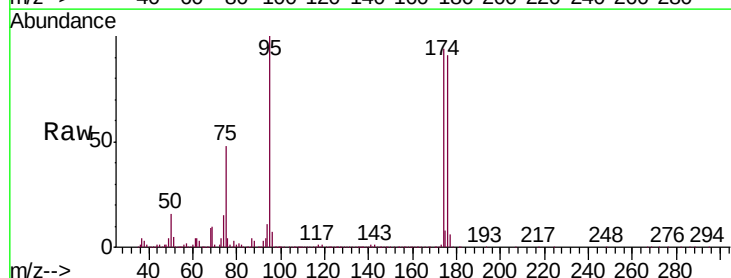
Tgt Ion: 95 Resp: 238090

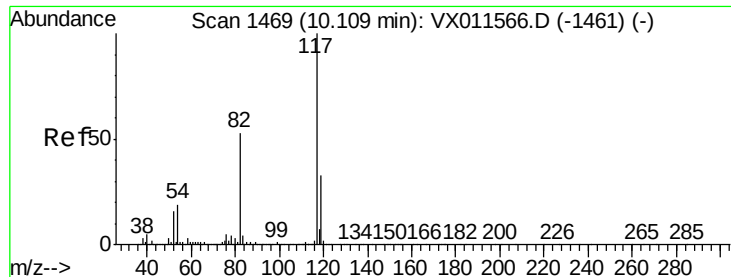
Ion Ratio Lower Upper

95 100

174 95.6 0.0 200.6

176 93.3 0.0 196.6

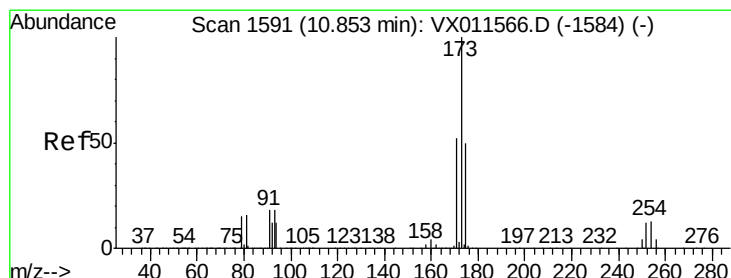
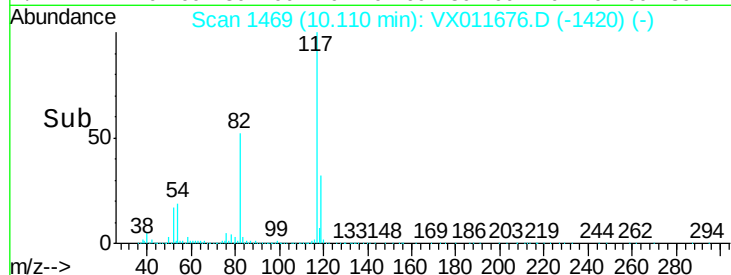
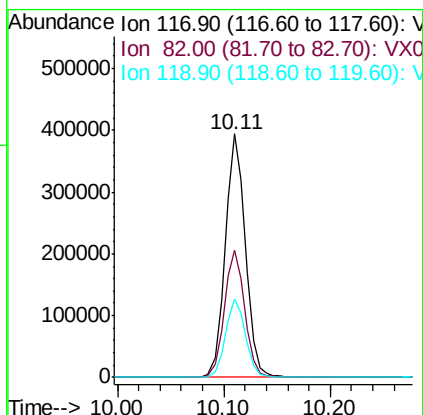
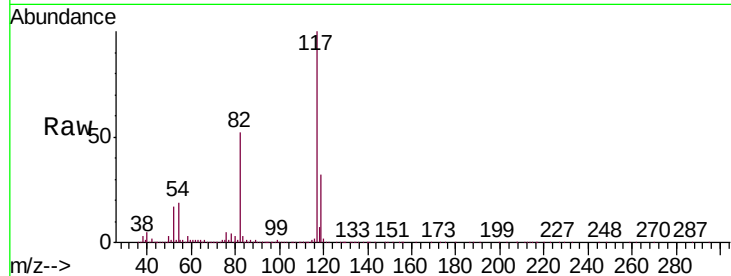




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011676.D
Acq: 20 Aug 2019 11:54

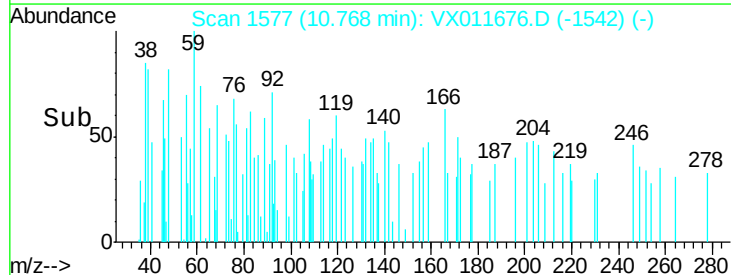
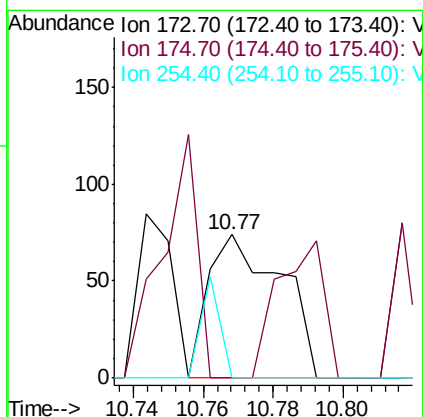
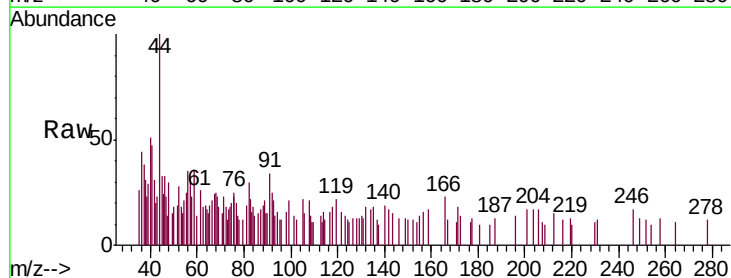
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190816RE

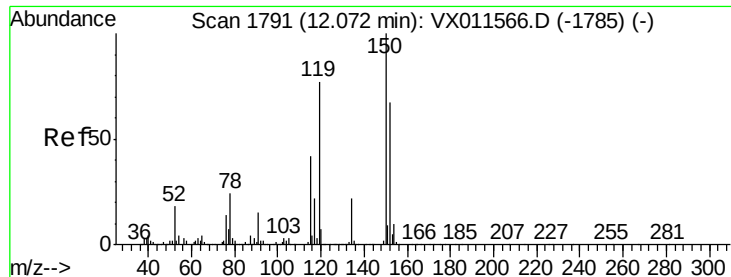
Tgt Ion:117 Resp: 522591
Ion Ratio Lower Upper
117 100
82 52.1 42.0 63.0
119 32.0 26.5 39.7



#71
Bromoform
Concen: 3.316 ug/l
RT: 10.77 min Scan# 1577
Delta R.T. -0.08 min
Lab File: VX011676.D
Acq: 20 Aug 2019 11:54

Tgt Ion:173 Resp: 106
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 17.9 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011676.D

Acq: 20 Aug 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190816RE

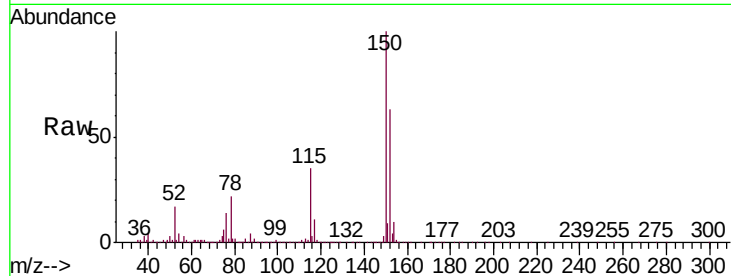
Tgt Ion: 152 Resp: 258549

Ion Ratio Lower Upper

152 100

115 53.9 37.3 111.9

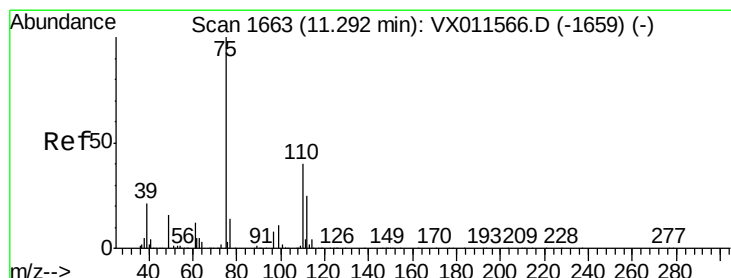
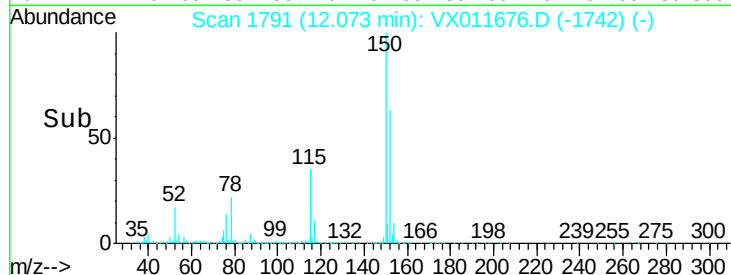
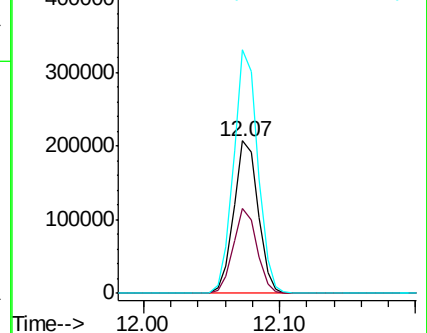
150 157.9 0.0 346.2



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: 22.848 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011676.D

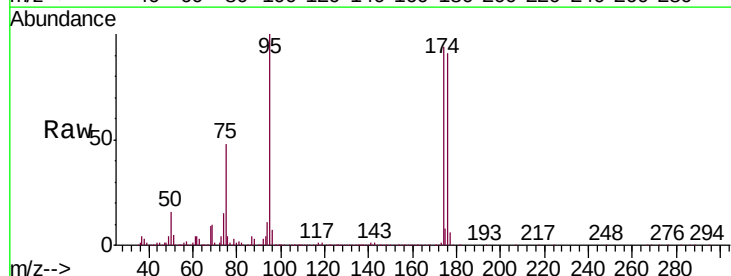
Acq: 20 Aug 2019 11:54

Tgt Ion: 75 Resp: 112017

Ion Ratio Lower Upper

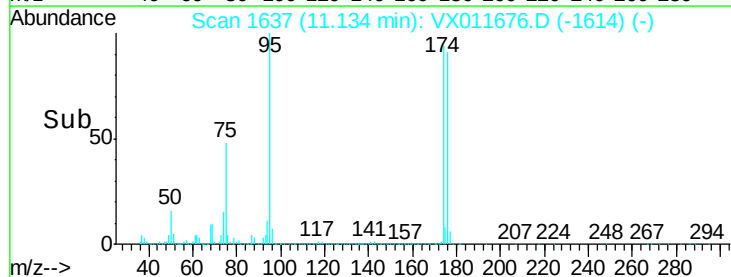
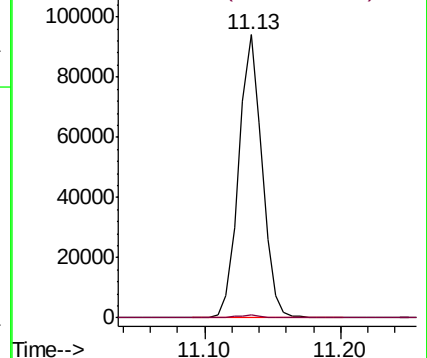
75 100

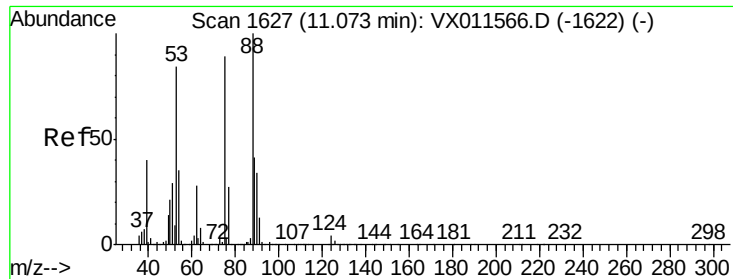
77 1.3 20.9 62.8#



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: 60.827 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011676.D
 Acq: 20 Aug 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190816RE

Tgt Ion: 75 Resp: 112017
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.4 116.0#
 89 0.1 37.3 55.9#

