

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091020\
 Data File : VX018336.D
 Acq On : 10 Sep 2020 12:11
 Operator : JC/SP
 Sample : L3956-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20200909

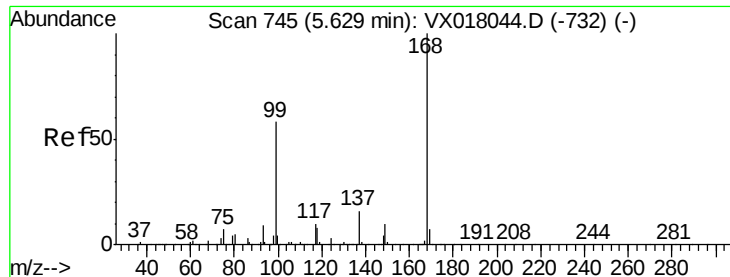
Quant Time: Sep 11 06:51:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	446041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	722659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	674551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	319572	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	327748	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	5.46	113	253872	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	8.70	98	863712	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
62) 4-Bromofluorobenzene	11.12	95	307425	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	901	0.328	ug/l #	50
10) Methyl Iodide	2.75	142	170	5.320	ug/l	97
11) Tert butyl alcohol	3.00	59	1135	0.943	ug/l	96
13) Acrolein	2.26	56	559	1.120	ug/l #	14
15) Acrylonitrile	3.12	53	949	0.347	ug/l #	85
16) Acetone	2.42	43	1909	0.791	ug/l #	77
17) Carbon Disulfide	2.56	76	2967	0.225	ug/l	96
20) Methylene Chloride	2.83	84	1591	Below Cal	#	90
36) 1,1-Dichloropropene	5.63	75	34835	5.226	ug/l #	51
38) Carbon Tetrachloride	5.62	117	47180	6.281	ug/l #	17
49) 1,4-Dioxane	7.68	88	61	0.541	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	166378	23.404	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	166378	63.210	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

Instrument :

MSVOA_X

ClientSampleId :

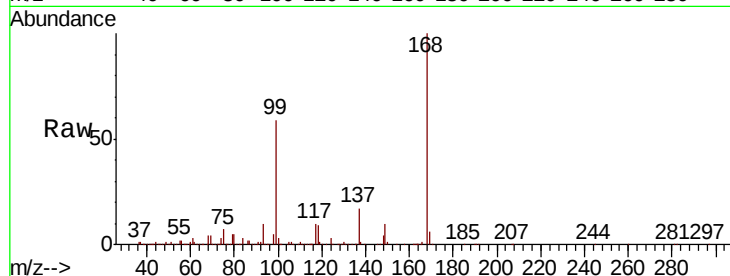
TT-TB-20200909

Tot Ion:168 Resp: 446041

Ion Ratio Lower Upper

168 100

99 59.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

150000

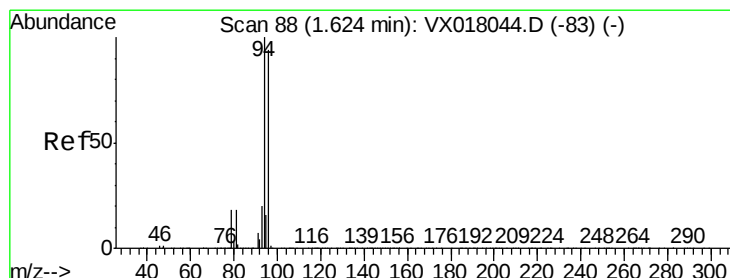
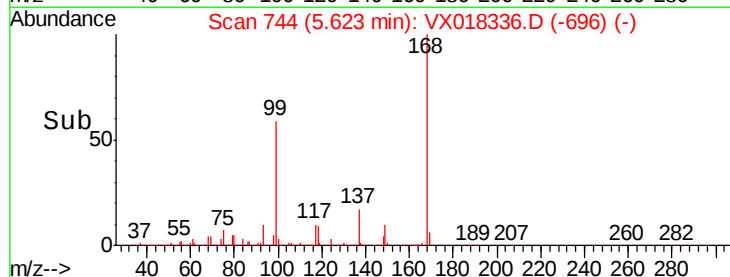
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.328 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018336.D

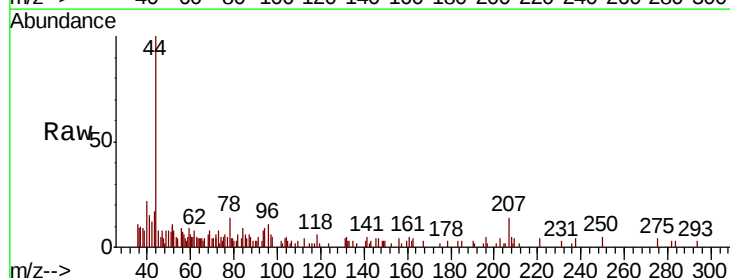
Acq: 10 Sep 2020 12:11

Tgt Ion: 94 Resp: 901

Ion Ratio Lower Upper

94 100

96 45.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

300

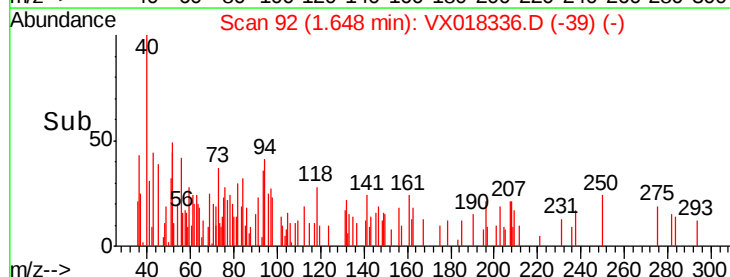
200

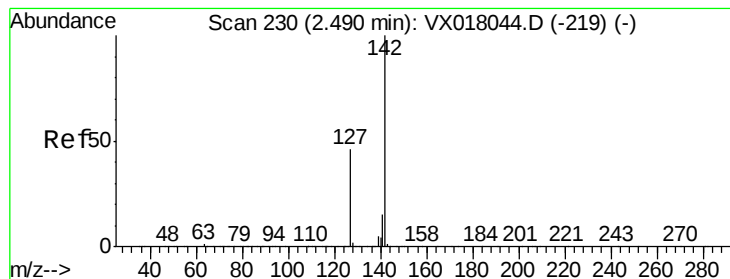
100

0

Time-->

1.60 1.65 1.70





#10

Methyl Iodide

Concen: 5.320 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.26 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

Instrument :

MSVOA_X

ClientSampled :

TT-TB-20200909

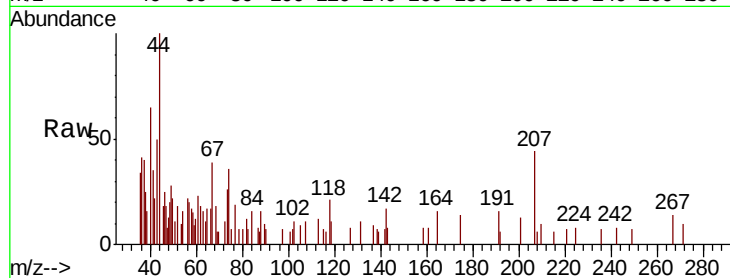
Tot Ion:142 Resp: 170

Ion Ratio Lower Upper

142 100

127 47.6 37.0 55.6

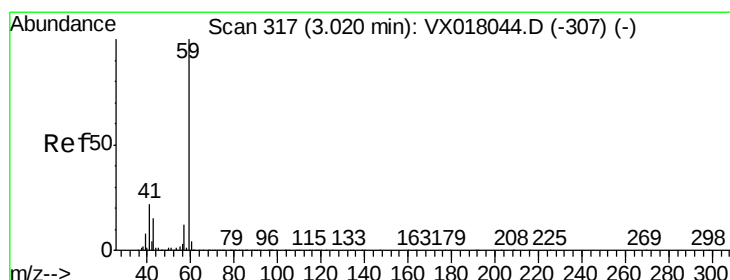
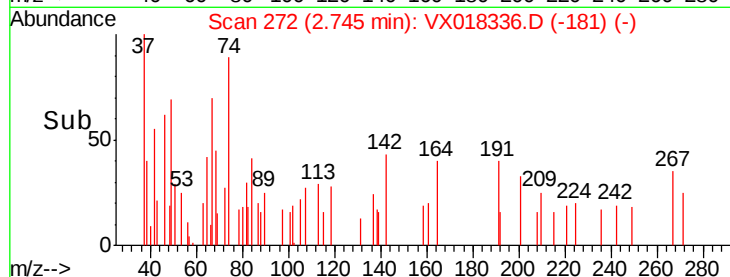
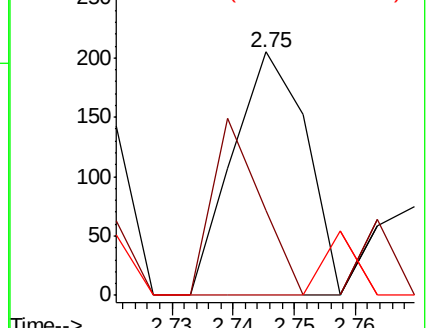
141 11.8 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.943 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX018336.D

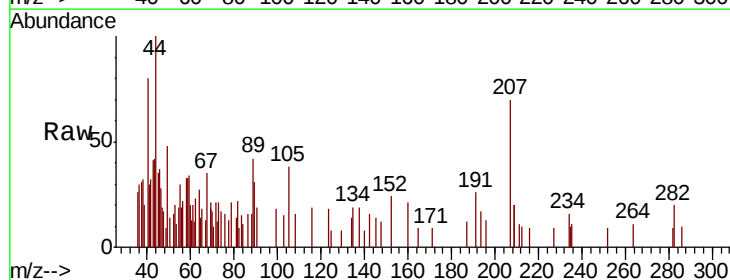
Acq: 10 Sep 2020 12:11

Tgt Ion: 59 Resp: 1135

Ion Ratio Lower Upper

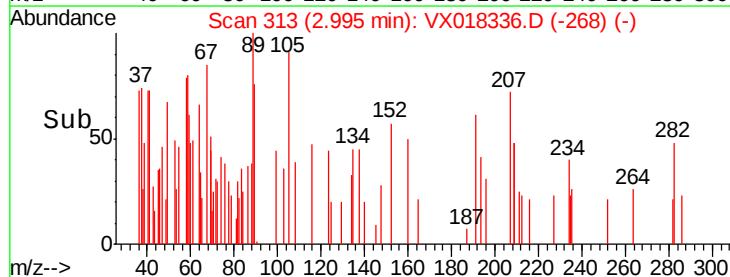
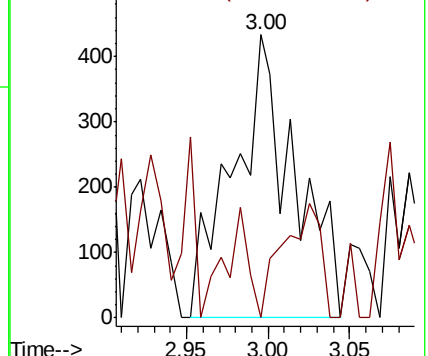
59 100

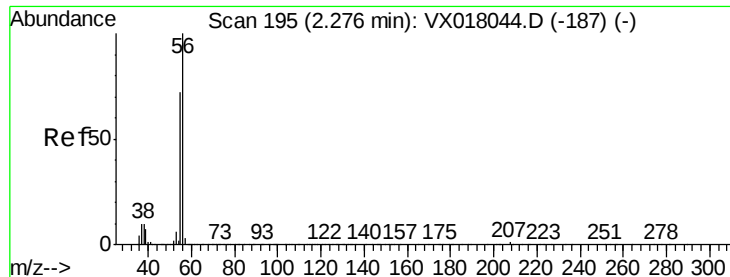
57 12.6 8.9 13.3



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

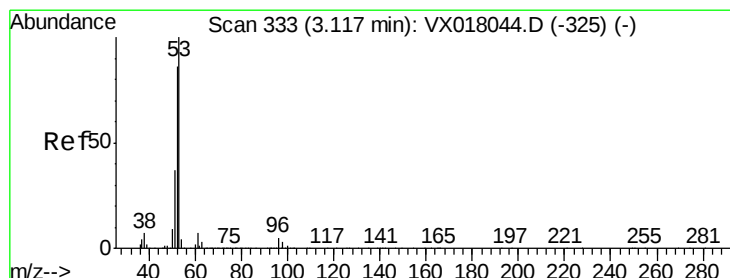
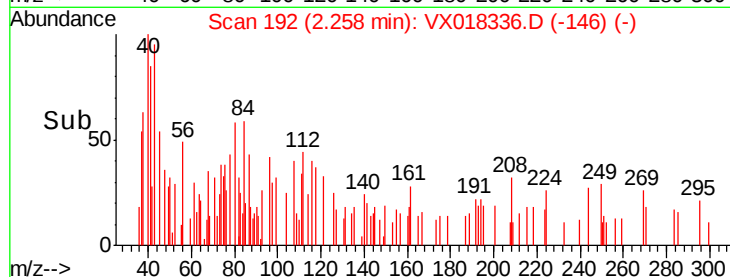
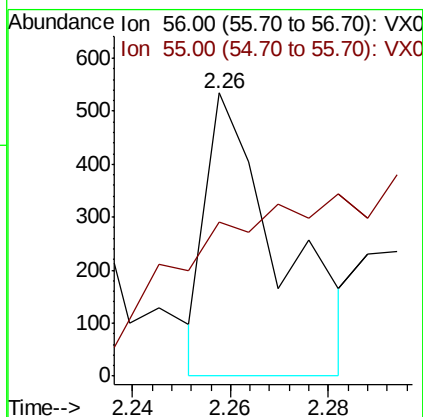
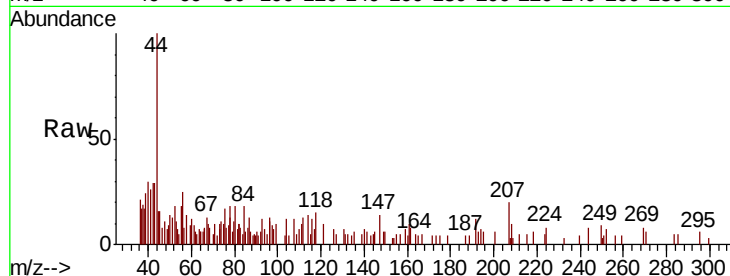




#13
Acrolein
Concen: 1.120 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

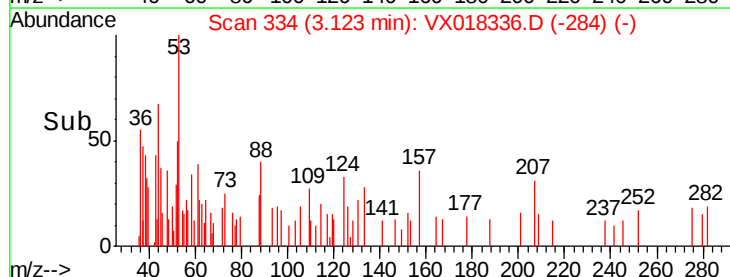
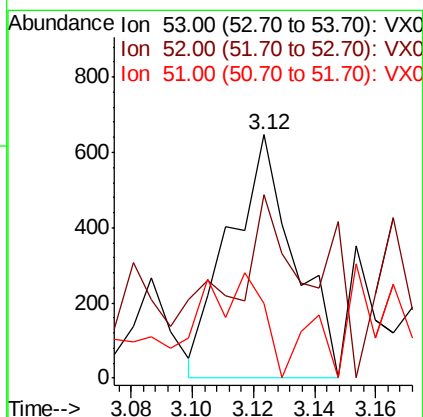
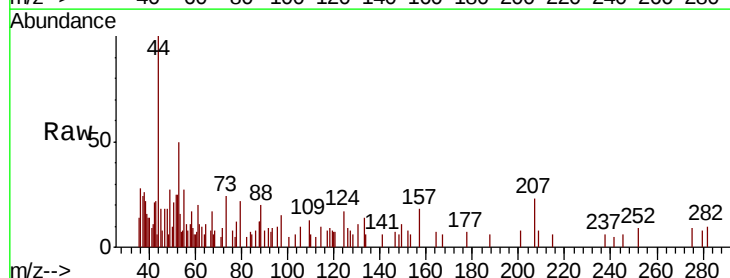
Instrument :
MSVOA_X
ClientSampled :
TT-TB-20200909

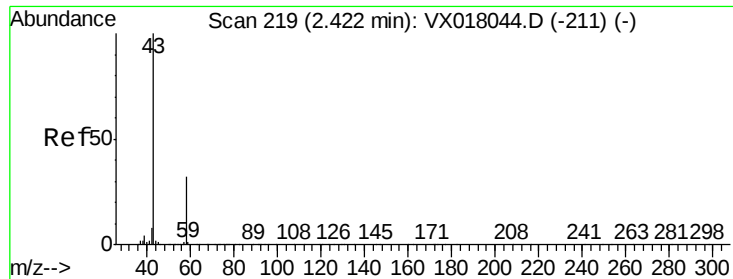
Tot Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#15
Acrylonitrile
Concen: 0.347 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

Tgt Ion: 53 Resp: 949
Ion Ratio Lower Upper
53 100
52 101.1 66.9 100.3#
51 39.1 28.7 43.1

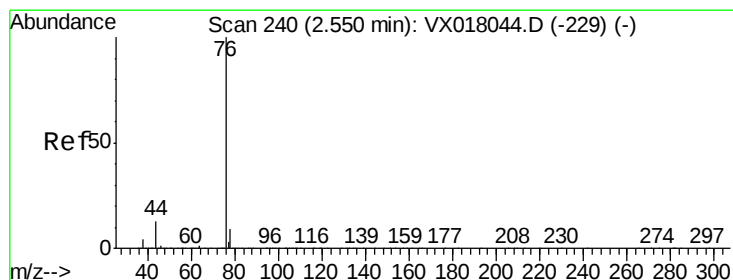
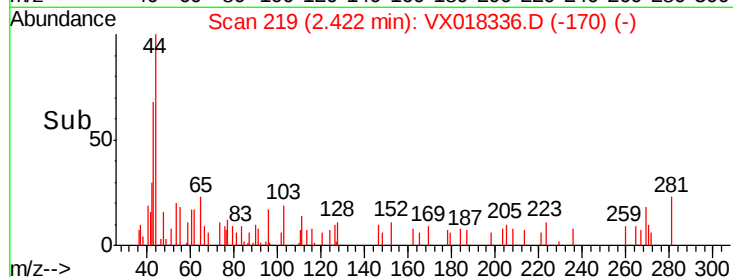
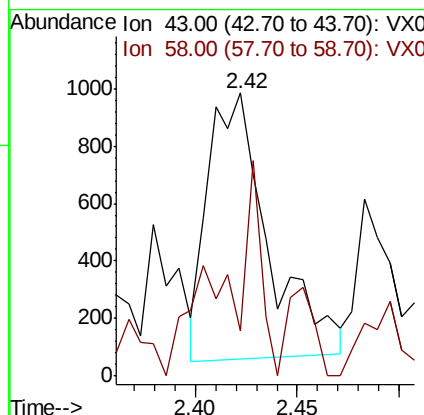
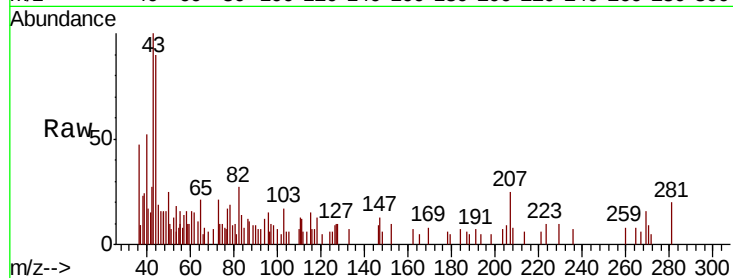




#16
Acetone
Concen: 0.791 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

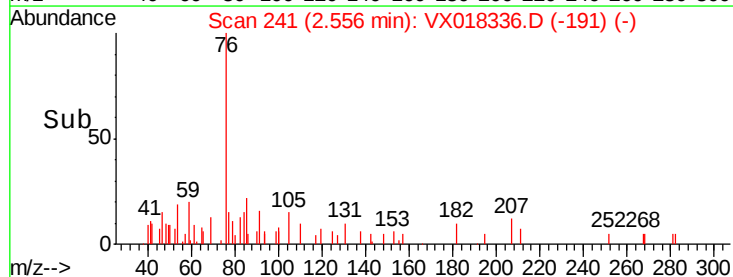
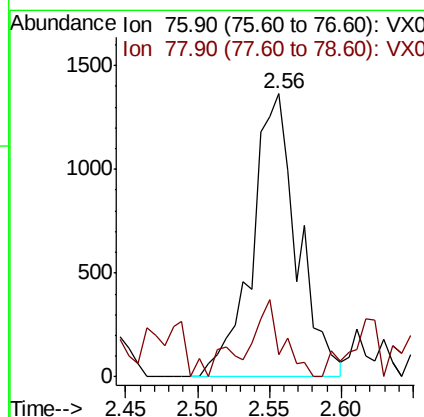
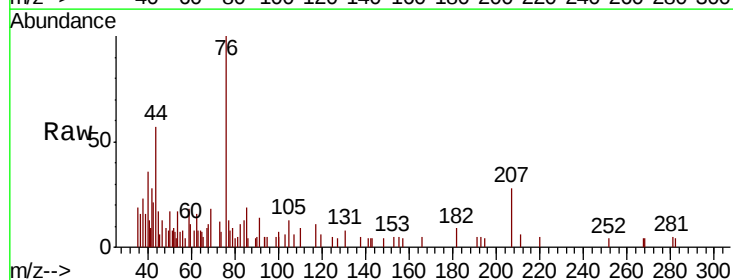
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20200909

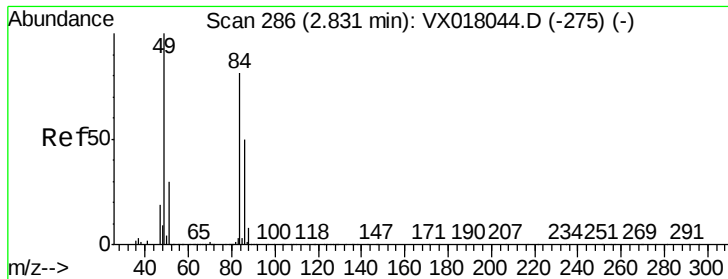
Tot Ion: 43 Resp: 1909
Ion Ratio Lower Upper
43 100
58 19.1 25.5 38.3#



#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

Tgt Ion: 76 Resp: 2967
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.0

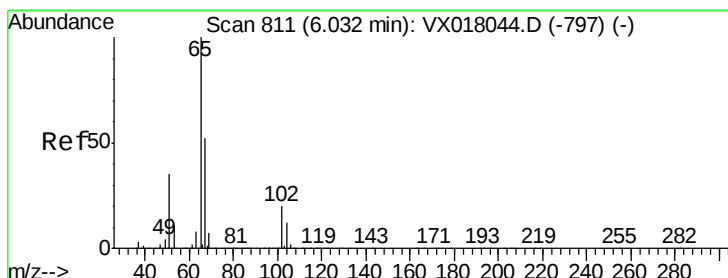
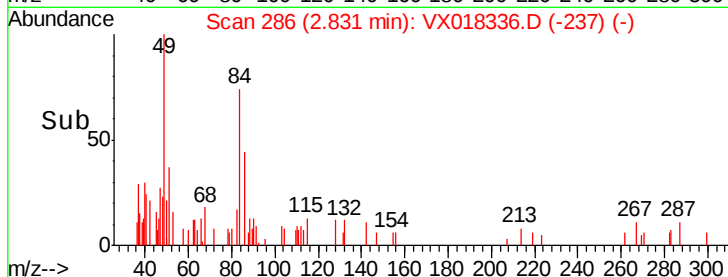
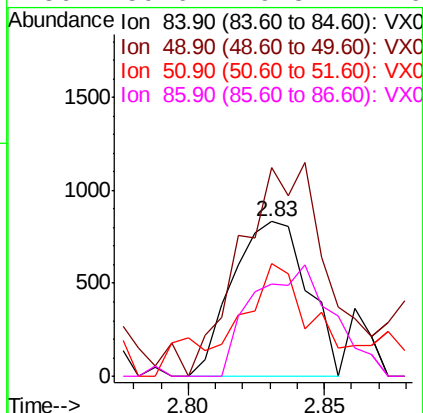
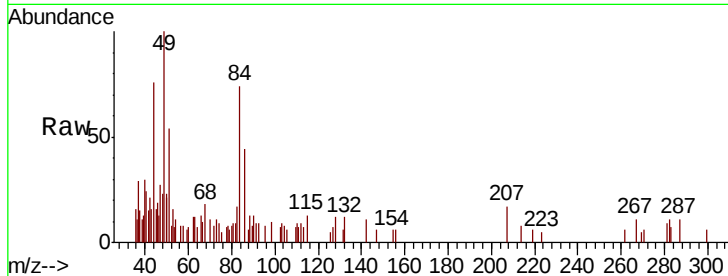




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

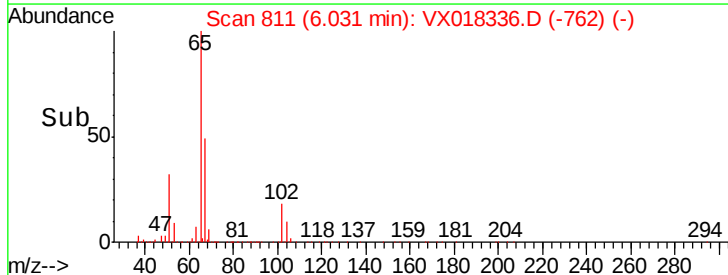
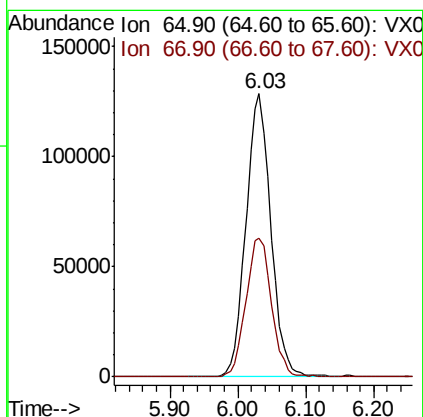
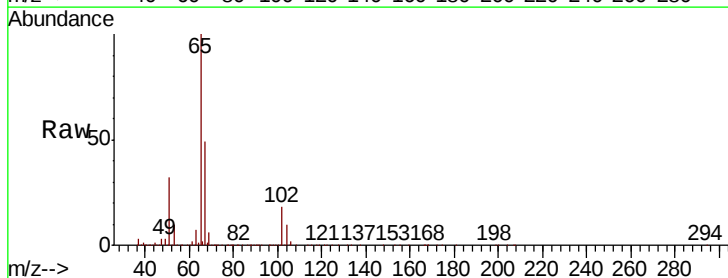
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20200909

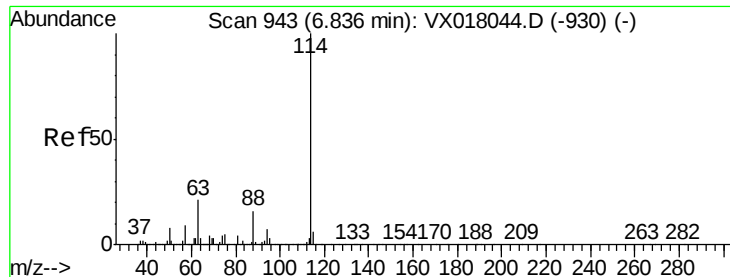
Tot Ion:	84	Resp:	1591
Ion	Ratio	Lower	Upper
84	100		
49	134.7	98.6	148.0
51	48.3	29.6	44.4#
86	59.6	49.8	74.6



#33
1,2-Dichloroethane-d4
Concen: 52.929 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

Tgt Ion:	65	Resp:	327748
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20200909

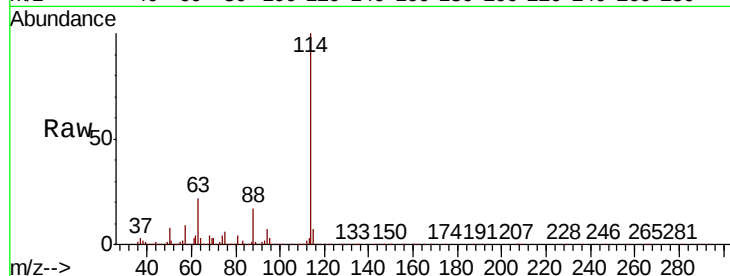
Tot Ion:114 Resp: 722659

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

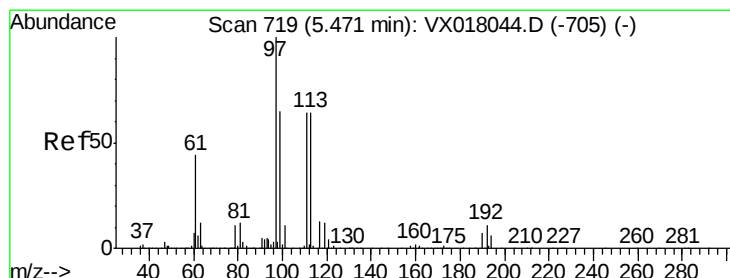
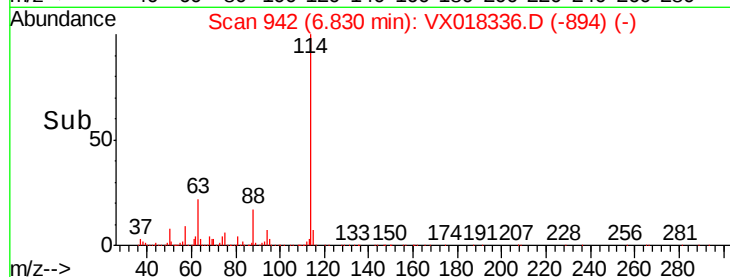
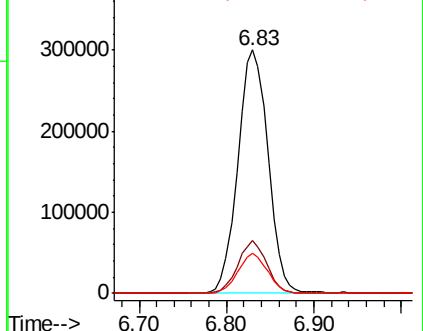
88 16.6 0.0 31.8



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: 51.583 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

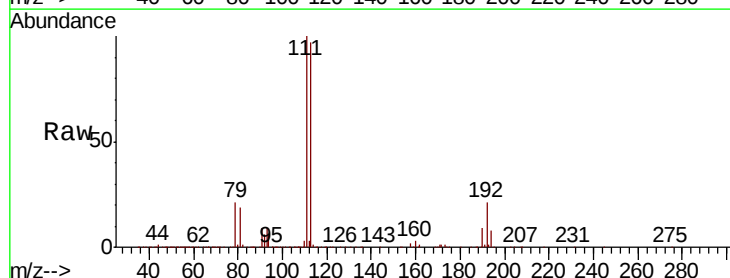
Tgt Ion:113 Resp: 253872

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

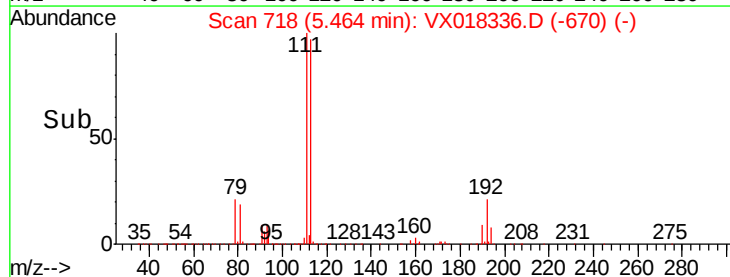
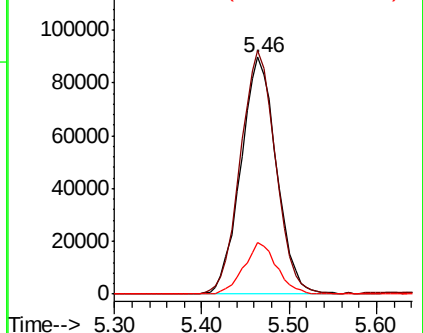
192 20.3 15.8 23.8

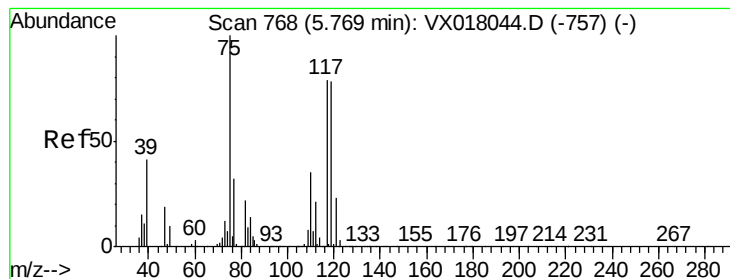


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.226 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20200909

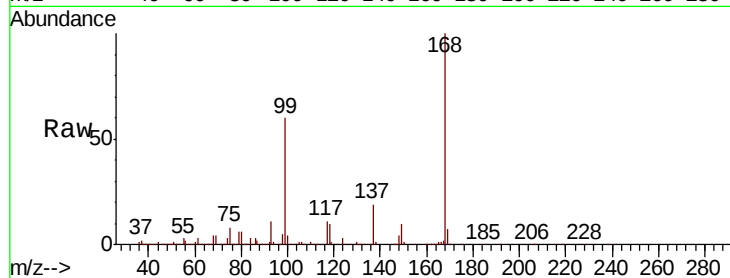
Tot Ion: 75 Resp: 34835

Ion Ratio Lower Upper

75 100

110 11.0 18.0 54.0#

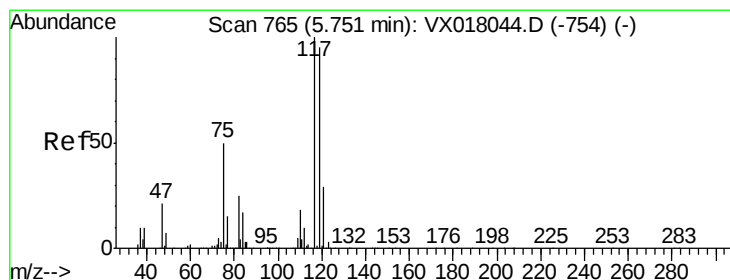
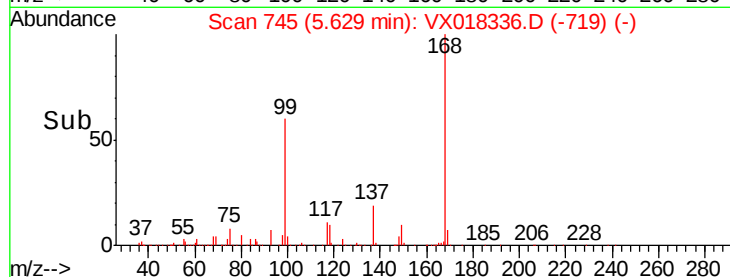
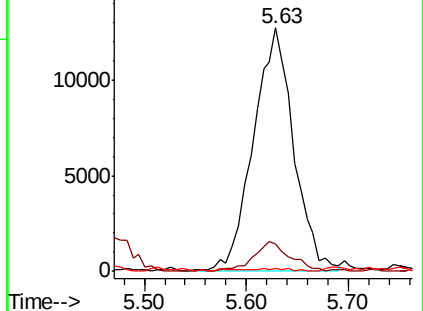
77 0.1 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.281 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

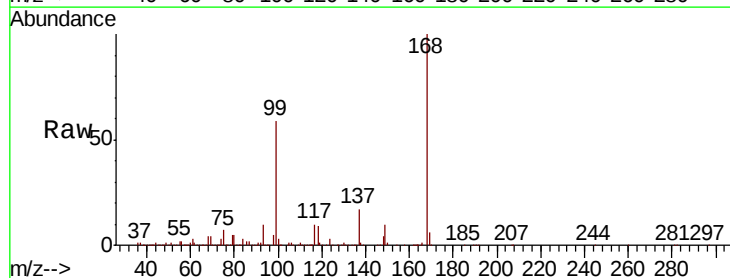
Tgt Ion:117 Resp: 47180

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

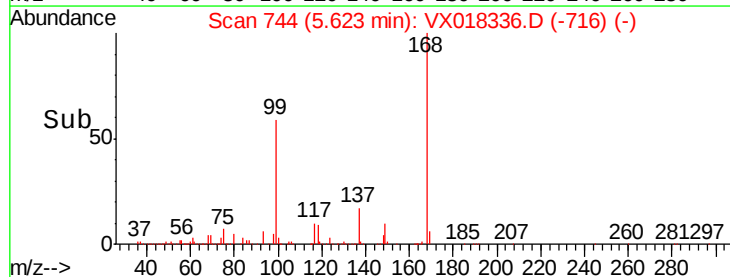
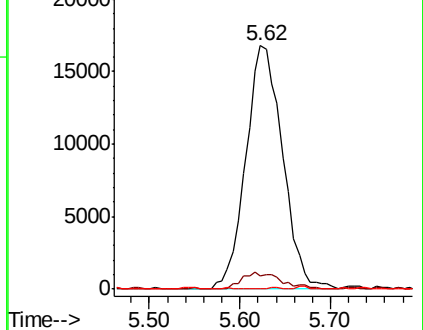
121 0.0 23.4 35.0#

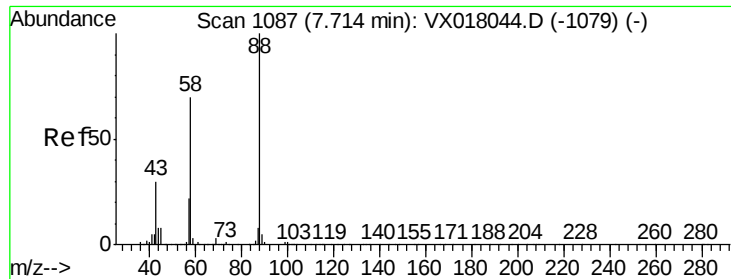


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

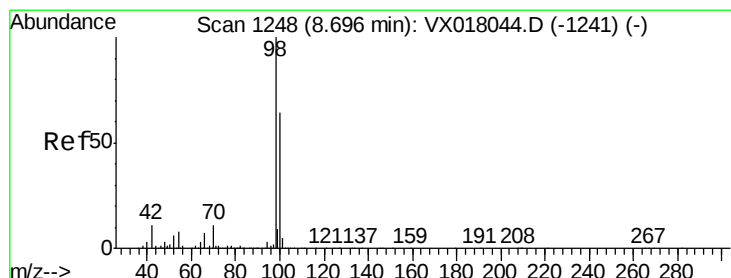
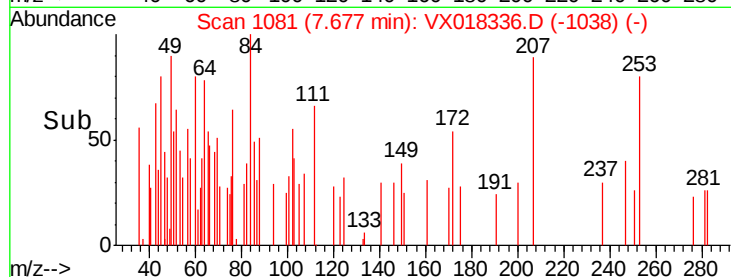
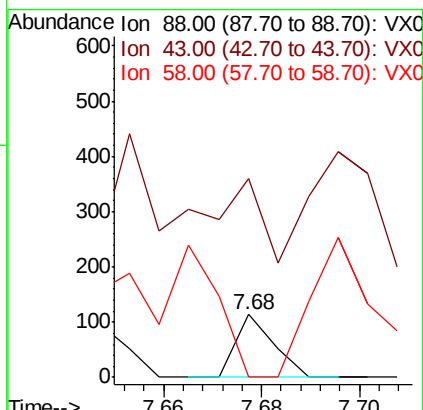
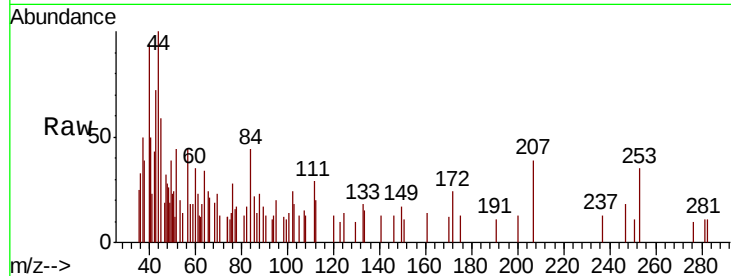




#49
1,4-Dioxane
Concen: 0.541 ug/l
RT: 7.68 min Scan# 1081
Delta R.T. -0.04 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

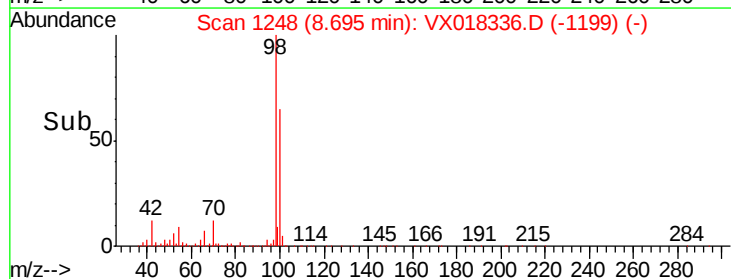
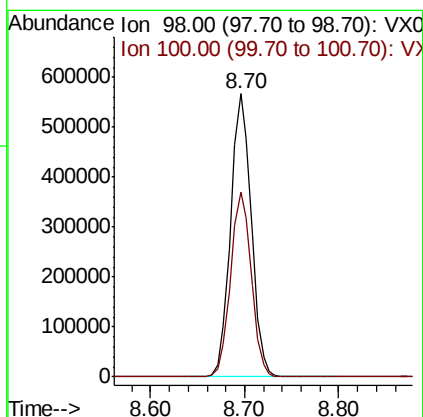
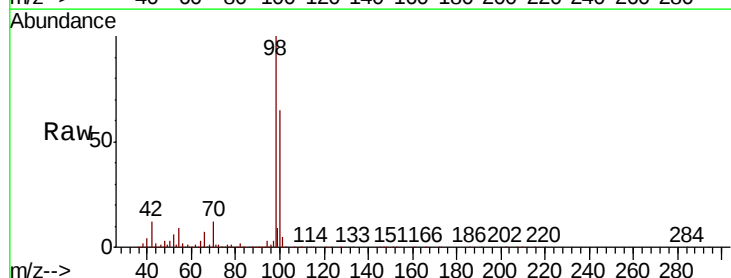
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20200909

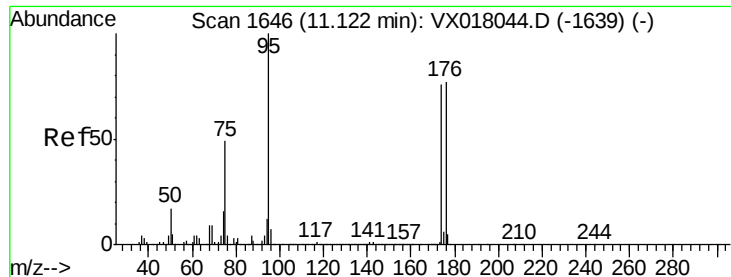
Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 559.0 27.4 41.0#
58 363.9 56.4 84.6#



#50
Toluene-d8
Concen: 47.118 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018336.D
Acq: 10 Sep 2020 12:11

Tgt Ion: 98 Resp: 863712
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 42.626 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20200909

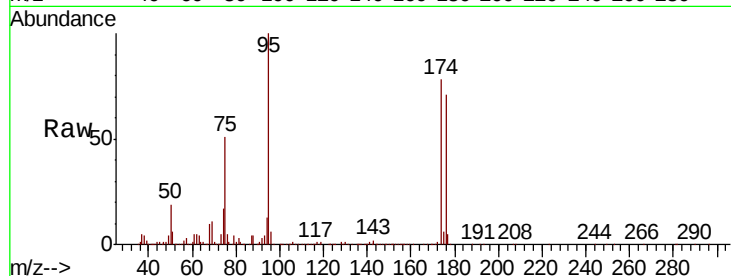
Tot Ion: 95 Resp: 307425

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.2

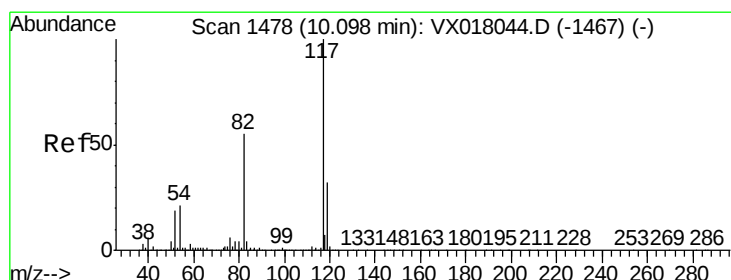
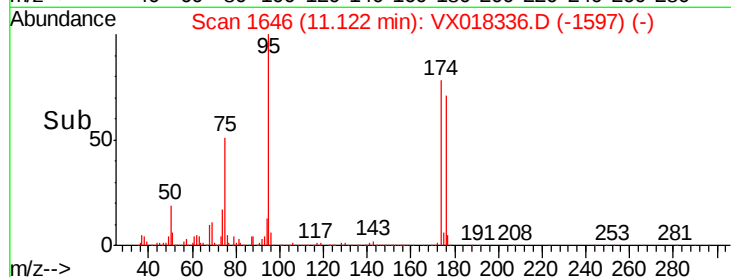
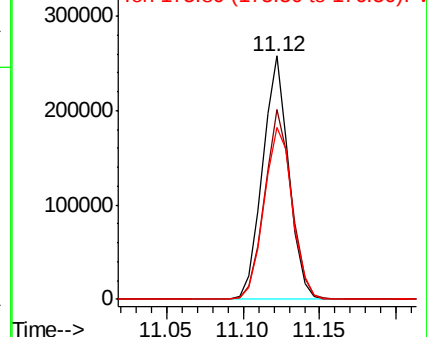
176 76.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018336.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018336.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018336.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

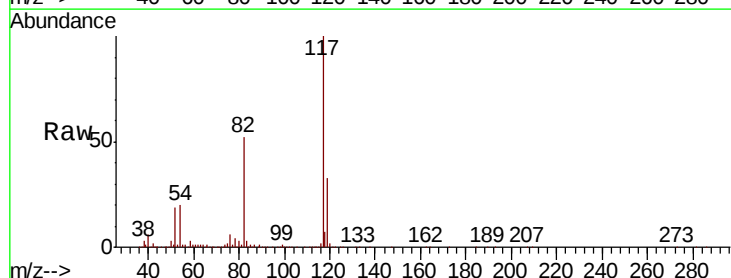
Tgt Ion: 117 Resp: 674551

Ion Ratio Lower Upper

117 100

82 52.1 44.2 66.2

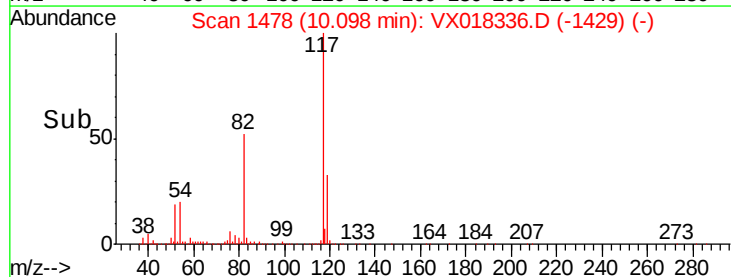
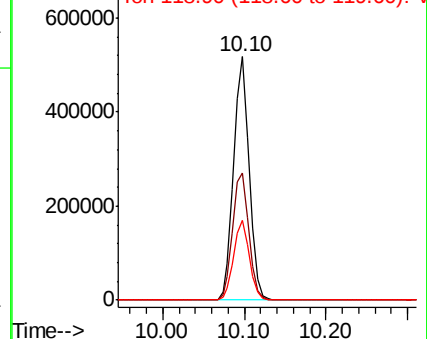
119 32.9 25.7 38.5

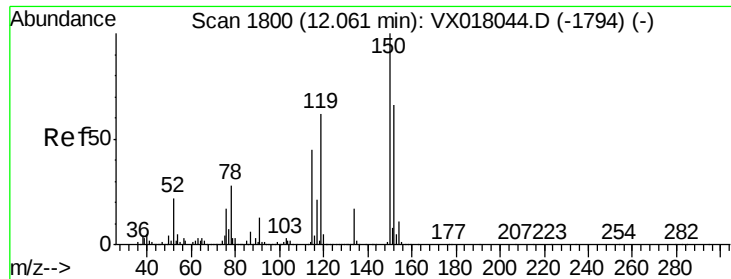


Abundance Ion 116.90 (116.60 to 117.60): VX018336.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018336.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018336.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018336.D

Acq: 10 Sep 2020 12:11

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20200909

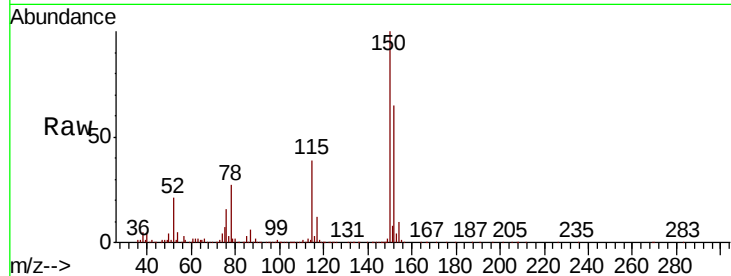
Tot Ion:152 Resp: 319572

Ion Ratio Lower Upper

152 100

115 60.5 41.5 124.5

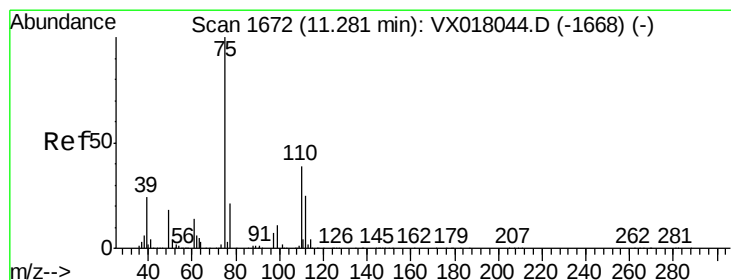
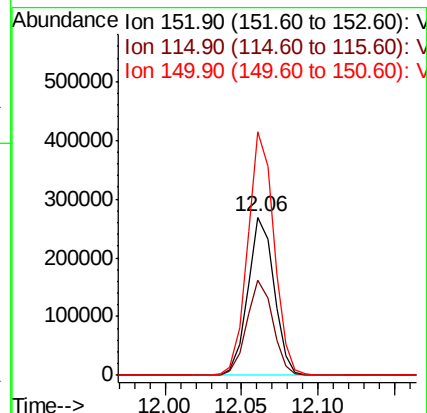
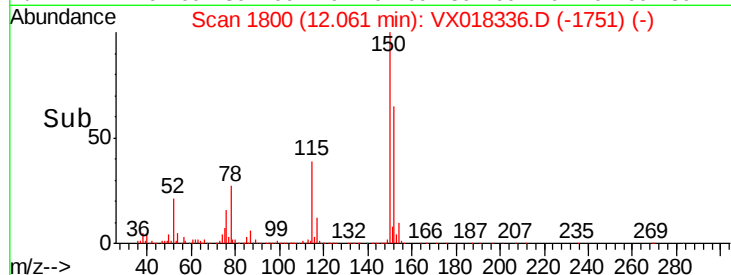
150 154.5 0.0 343.8



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: 23.404 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018336.D

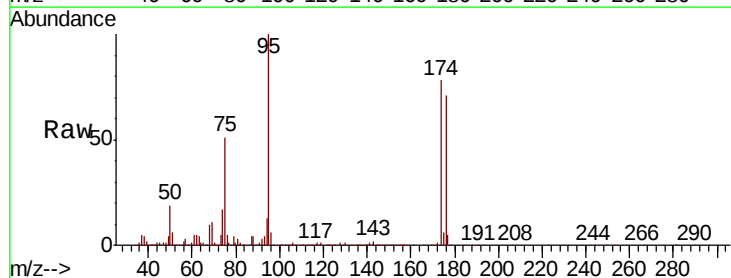
Acq: 10 Sep 2020 12:11

Tgt Ion: 75 Resp: 166378

Ion Ratio Lower Upper

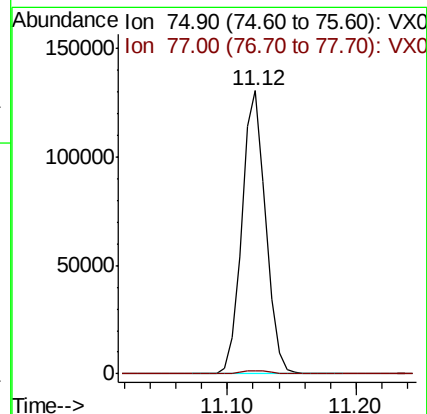
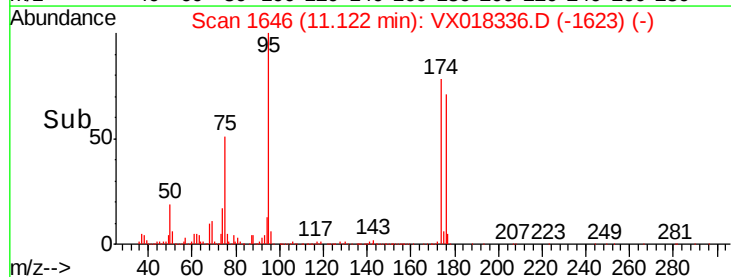
75 100

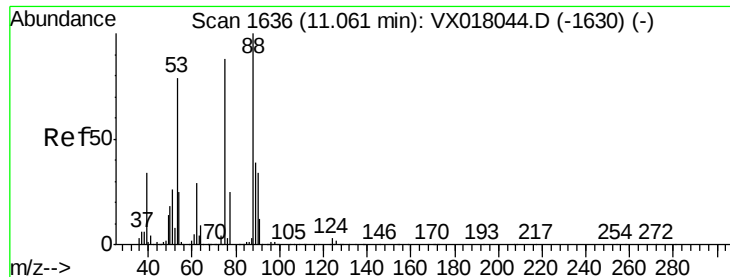
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

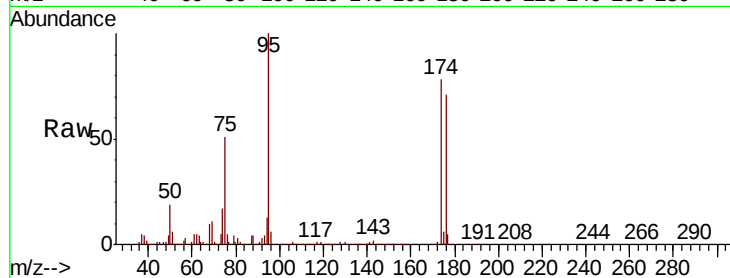




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.210 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018336.D
 Acq: 10 Sep 2020 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20200909

Tot Ion: 75 Resp: 166378
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.7 112.1#
 89 0.0 36.6 54.8#



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

