

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011675.D
 Acq On : 20 Aug 2019 11:30
 Operator : JC/SP
 Sample : K4409-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-081919

Quant Time: Aug 31 00:48:04 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

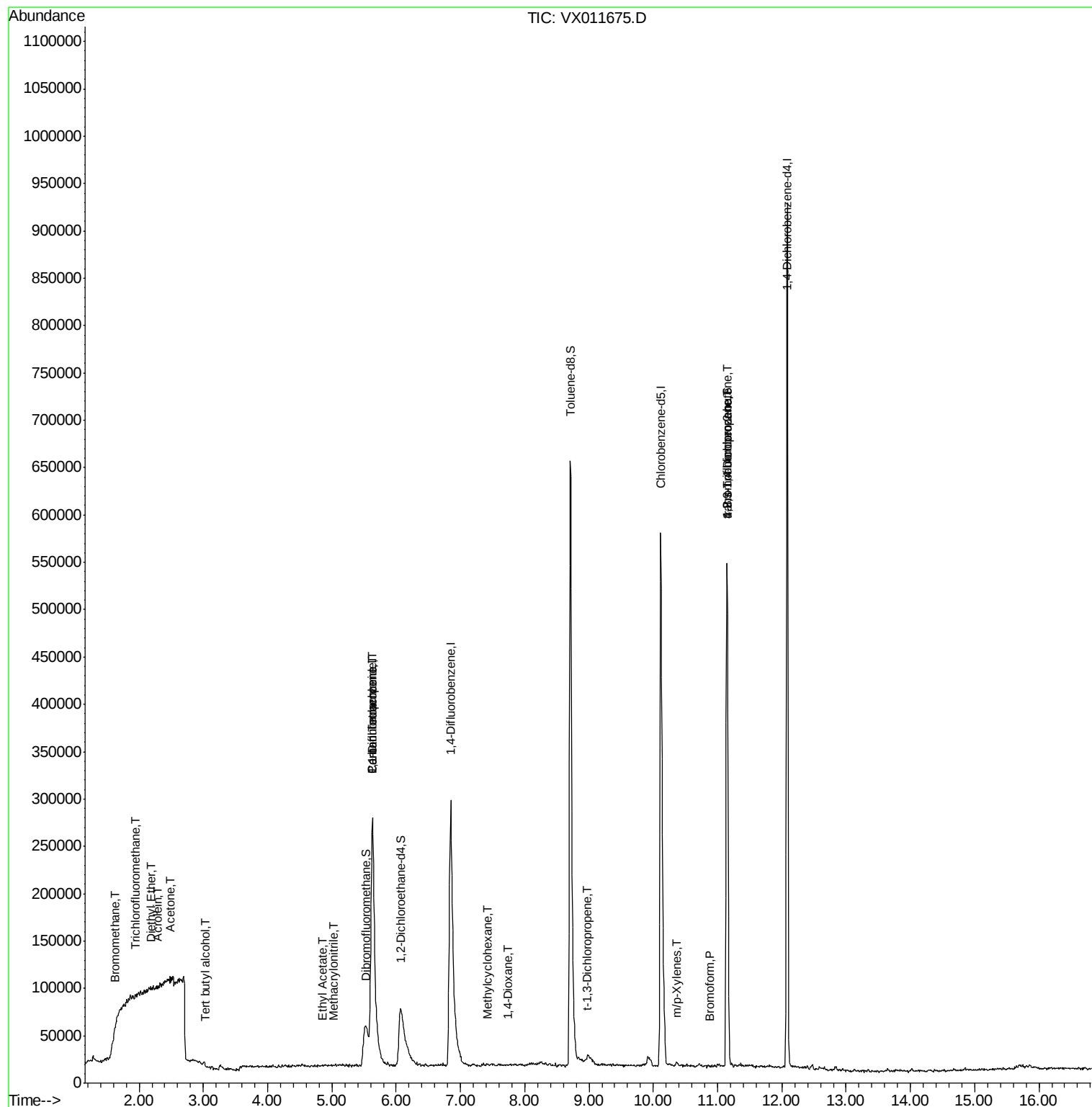
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	381576	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.85	114	534338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	481734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245810	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	170894	48.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.58%	
35) Dibromofluoromethane	5.52	113	97575	27.92	ug/l	0.03
Spiked Amount 50.000			Recovery	=	55.84%	
50) Toluene-d8	8.71	98	615182	56.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.98%	
62) 4-Bromofluorobenzene	11.14	95	223560	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.62	94	1722	1.092	ug/l	96
7) Trichlorofluoromethane	1.93	101	1024	0.210	ug/l #	17
8) Diethyl Ether	2.18	74	515	0.308	ug/l	95
11) Tert butyl alcohol	3.04	59	445	0.513	ug/l #	93
13) Acrolein	2.29	56	506	13.986	ug/l	86
16) Acetone	2.49	43	585	0.329	ug/l #	43
36) 1,1-Dichloropropene	5.63	75	22605	4.948	ug/l #	52
37) Ethyl Acetate	4.85	43	1622	0.309	ug/l #	91
38) Carbon Tetrachloride	5.63	117	34287	6.812	ug/l #	15
39) Methylcyclohexane	7.43	83	1184	0.210	ug/l #	38
41) Methacrylonitrile	5.02	41	787	0.272	ug/l #	49
49) 1,4-Dioxane	7.74	88	200	1.852	ug/l #	38
53) t-1,3-Dichloropropene	8.98	75	13070	2.666	ug/l #	43
68) m/p-Xylenes	10.36	106	2292	0.348	ug/l #	60
71) Bromoform	10.88	173	248	3.354	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	107982	23.166	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	107982	61.612	ug/l #	11

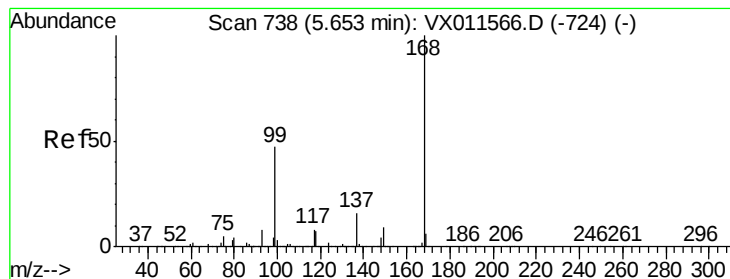
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 735

Delta R.T. -0.02 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

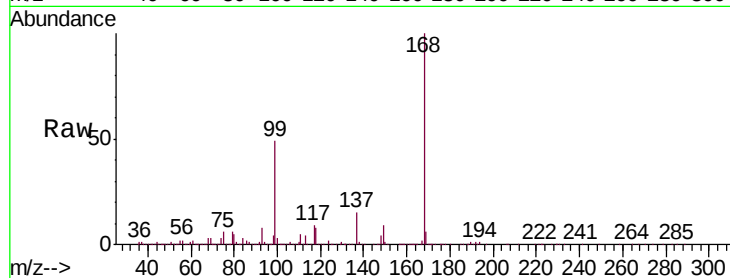
TB01-081919

Tgt Ion: 168 Resp: 381576

Ion Ratio Lower Upper

168 100

99 48.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

40000

20000

0

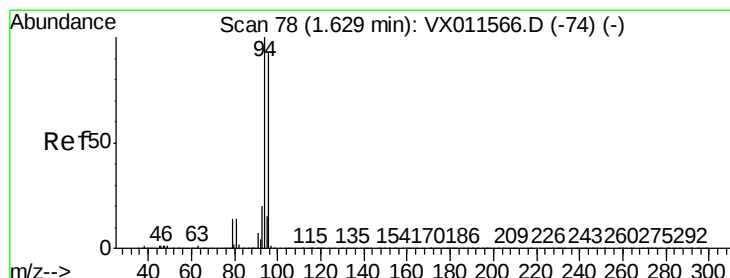
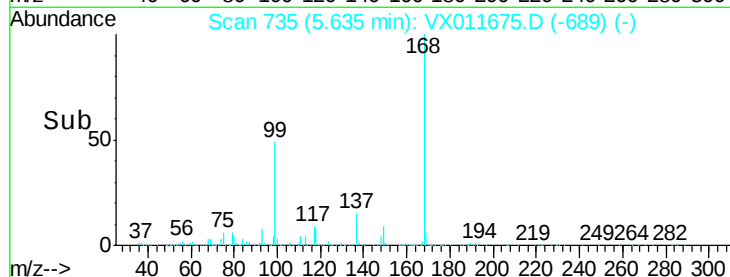
Time-->

5.40

5.60

5.80

6.00



#5

Bromomethane

Concen: 1.092 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011675.D

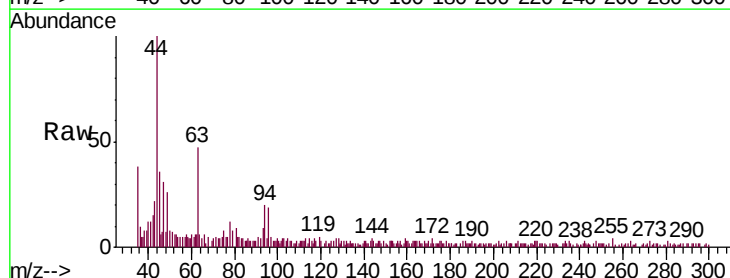
Acq: 20 Aug 2019 11:30

Tgt Ion: 94 Resp: 1722

Ion Ratio Lower Upper

94 100

96 90.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

1000

800

600

400

200

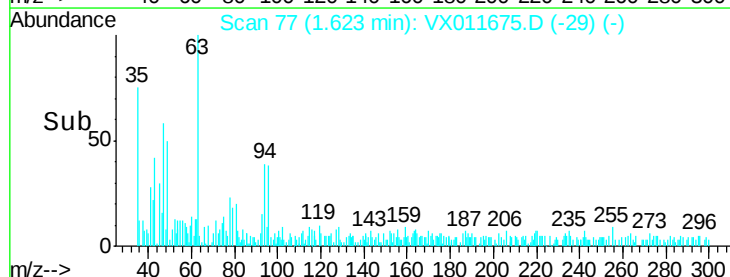
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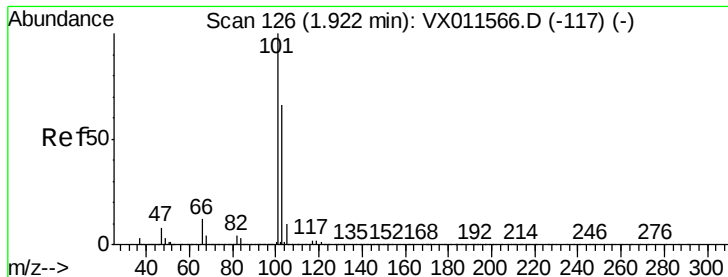
Time-->

1.55

1.60

1.65





#7

Trichlorofluoromethane

Concen: 0.210 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

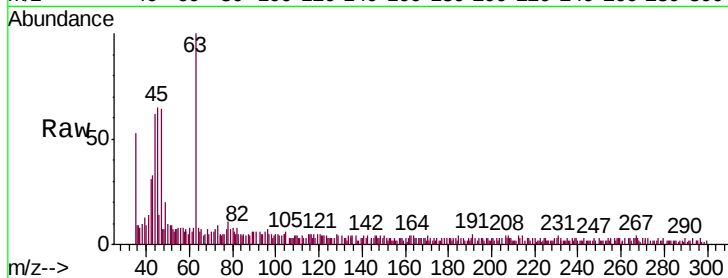
TB01-081919

Tgt Ion:101 Resp: 1024

Ion Ratio Lower Upper

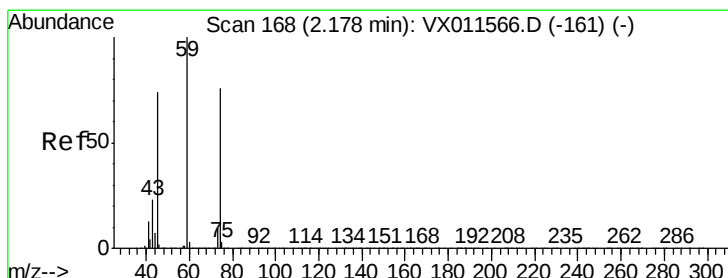
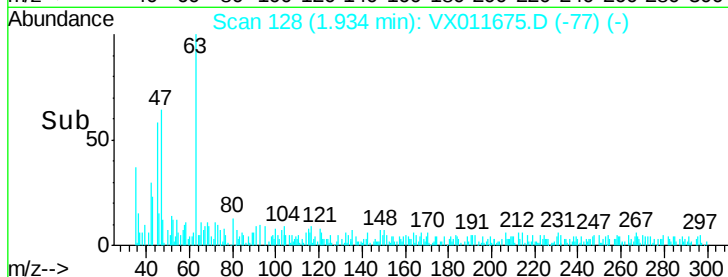
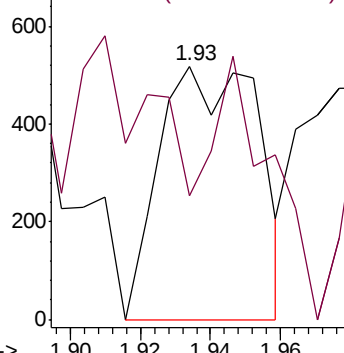
101 100

103 0.0 52.9 79.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.308 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.01 min

Lab File: VX011675.D

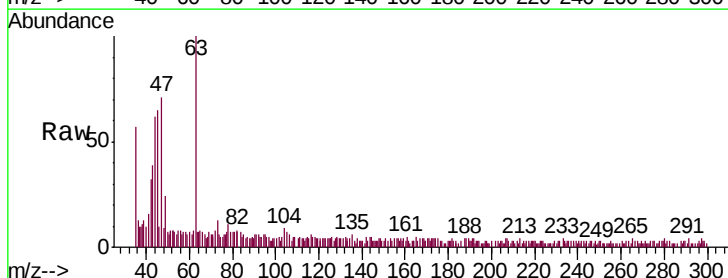
Acq: 20 Aug 2019 11:30

Tgt Ion: 74 Resp: 515

Ion Ratio Lower Upper

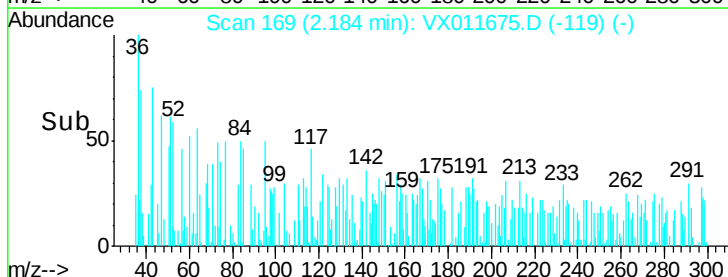
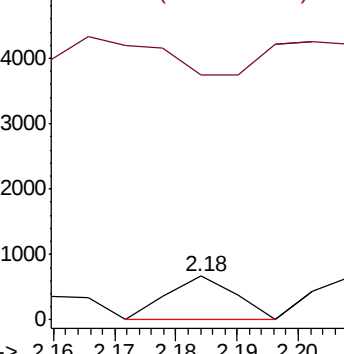
74 100

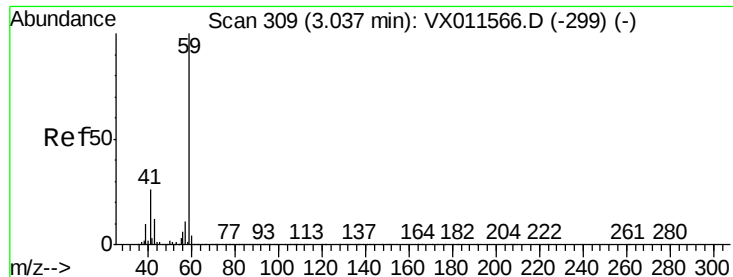
45 101.2 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

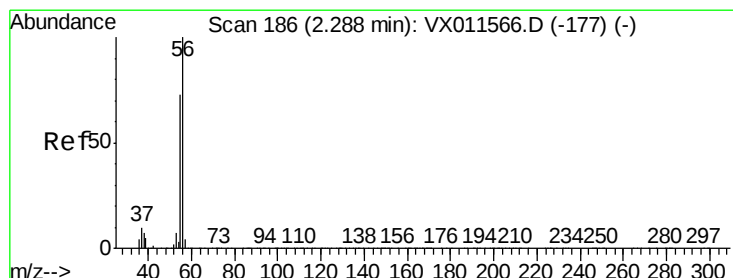
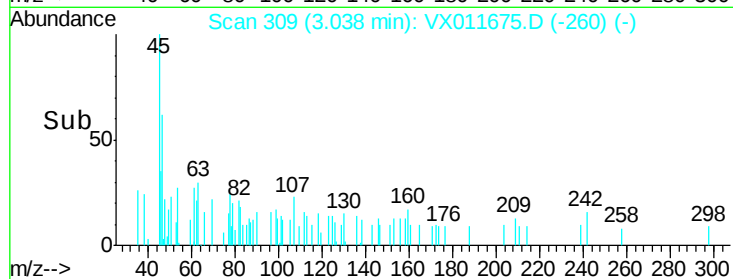
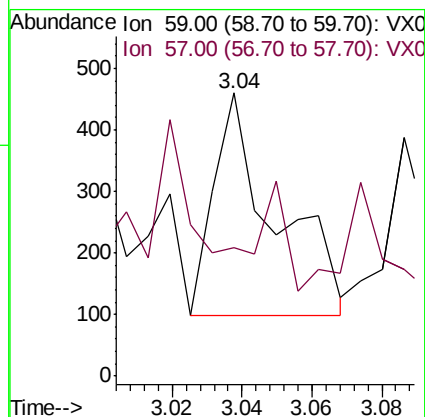
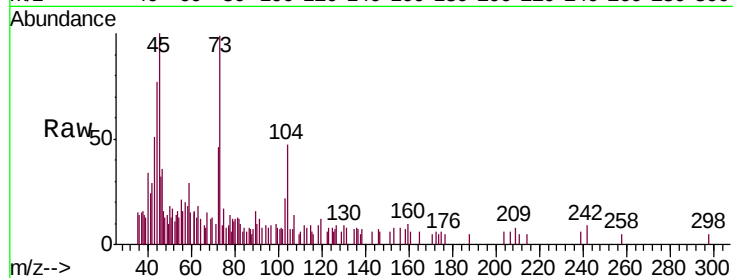




#11
Tert butyl alcohol
Concen: 0.513 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011675.D
Acq: 20 Aug 2019 11:30

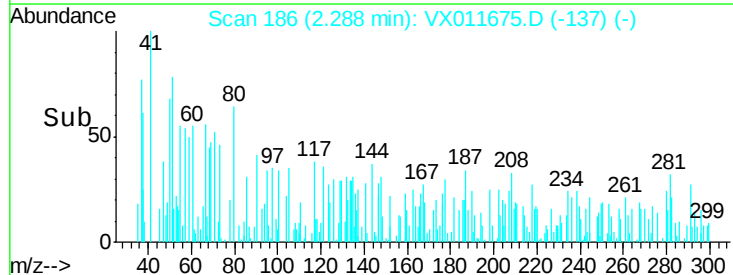
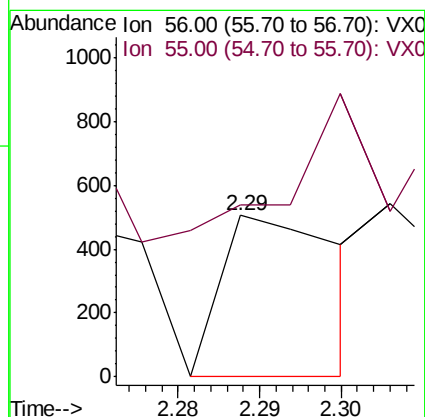
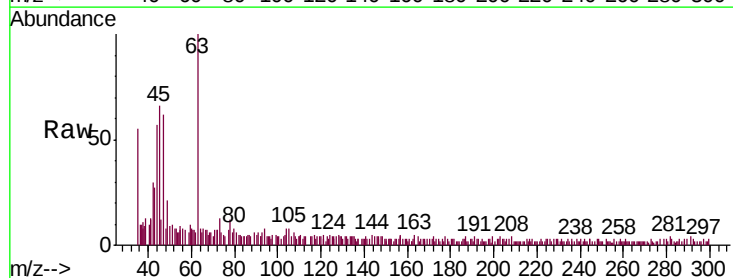
Instrument :
MSVOA_X
ClientSampled :
TB01-081919

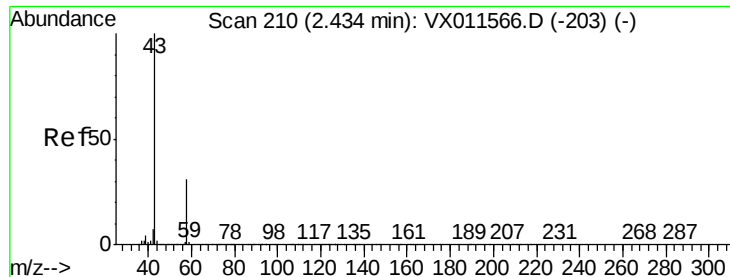
Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 13.5 8.7 13.1#



#13
Acrolein
Concen: 13.986 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011675.D
Acq: 20 Aug 2019 11:30

Tgt Ion: 56 Resp: 506
Ion Ratio Lower Upper
56 100
55 57.9 55.5 83.3

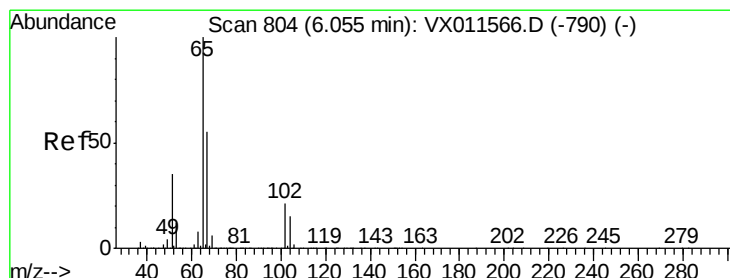
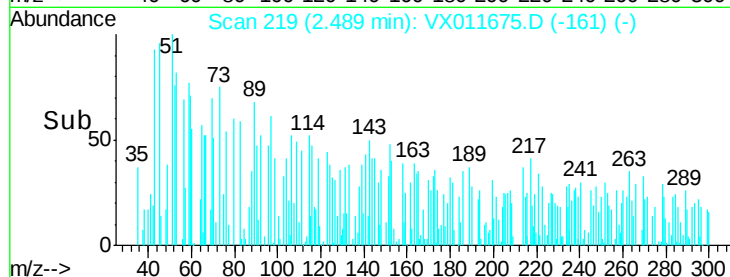
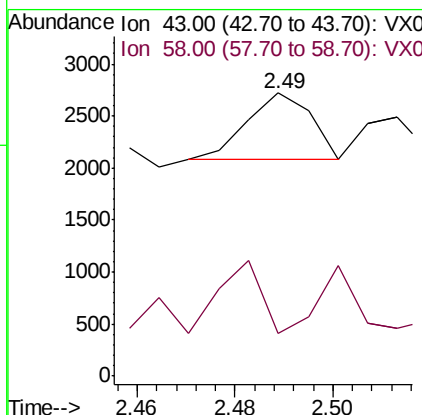
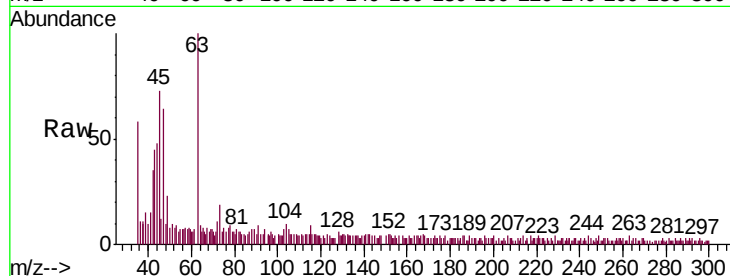




#16
Acetone
Concen: 0.329 ug/l
RT: 2.49 min Scan# 219
Delta R.T. 0.05 min
Lab File: VX011675.D
Acq: 20 Aug 2019 11:30

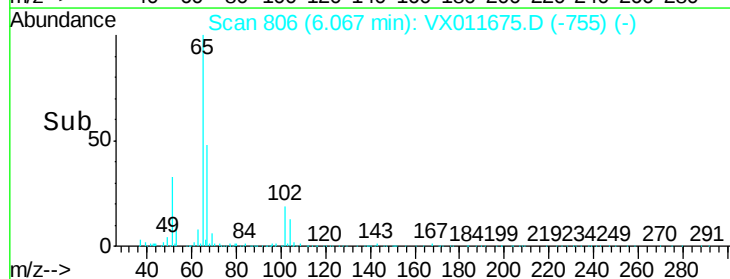
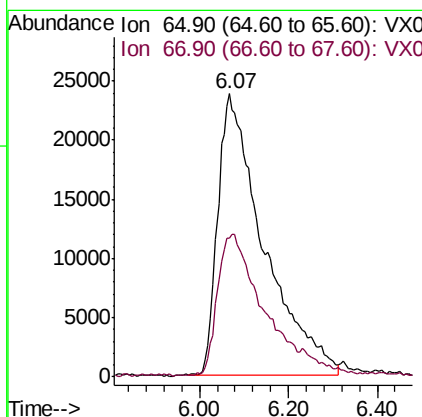
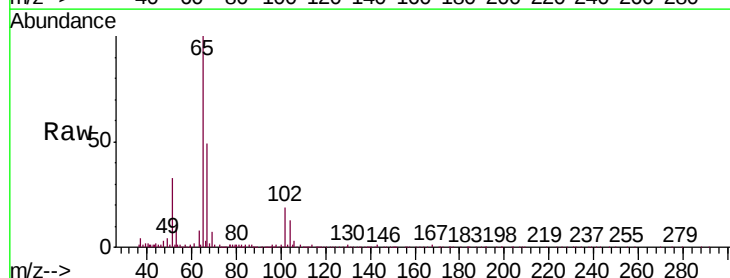
Instrument :
MSVOA_X
ClientSampleId :
TB01-081919

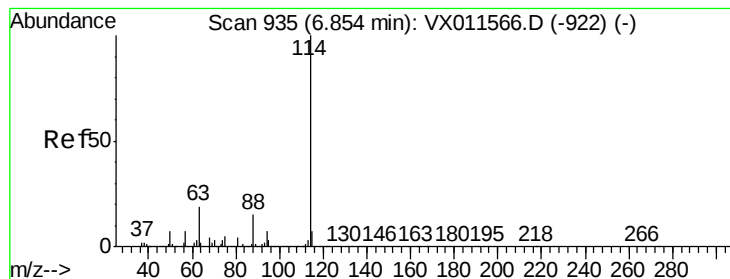
Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
58 0.2 25.2 37.8#



#33
1,2-Dichloroethane-d4
Concen: 48.294 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX011675.D
Acq: 20 Aug 2019 11:30

Tgt Ion: 65 Resp: 170894
Ion Ratio Lower Upper
65 100
67 48.0 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

TB01-081919

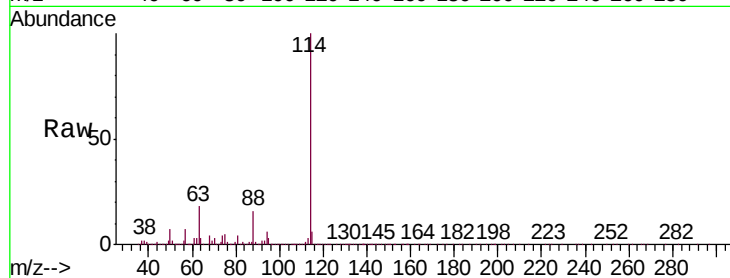
Tgt Ion:114 Resp: 534338

Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.8

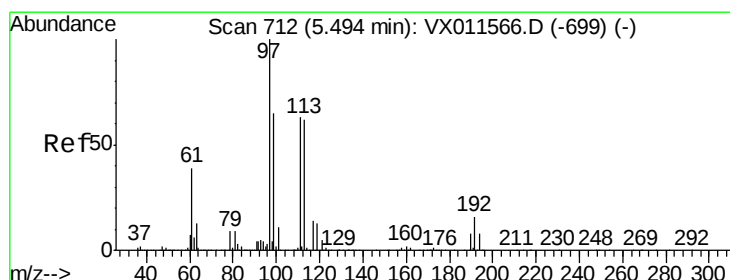
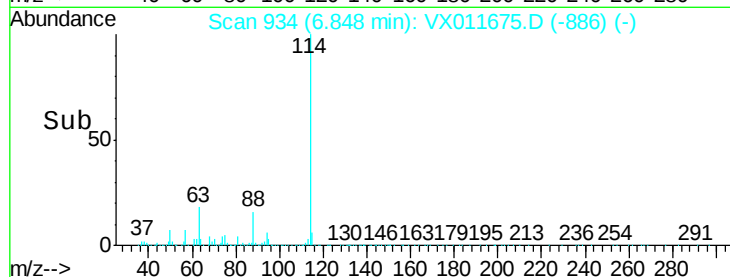
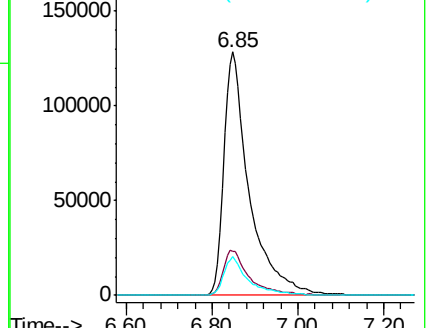
88 15.9 0.0 30.2



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: 27.919 ug/l

RT: 5.52 min Scan# 717

Delta R.T. 0.03 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

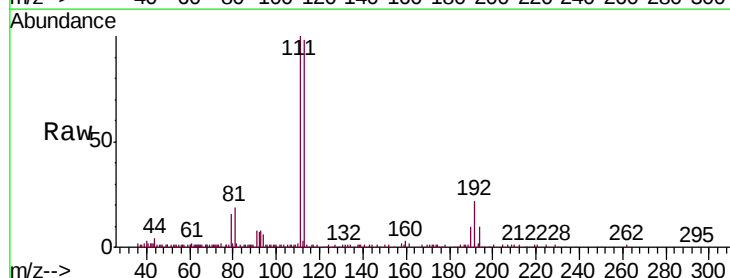
Tgt Ion:113 Resp: 97575

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

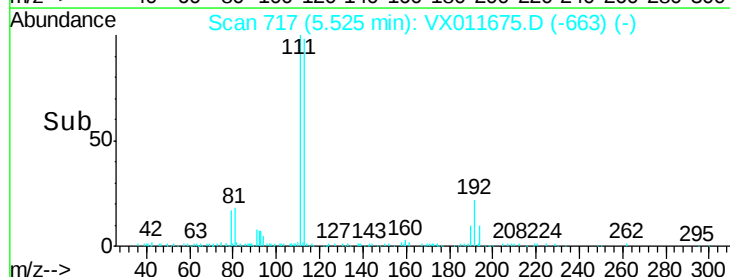
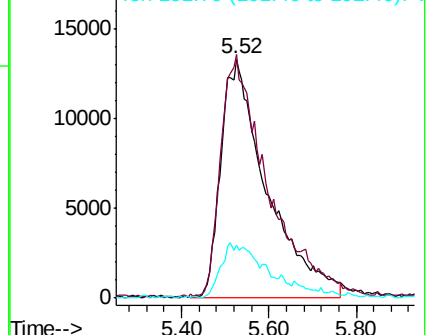
192 19.5 20.8 31.2#

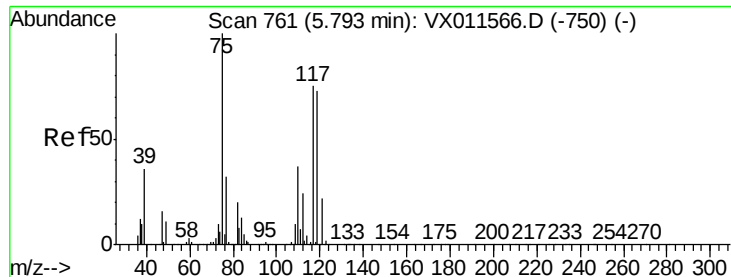


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 5.63 min Scan# 734

Delta R.T. -0.16 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

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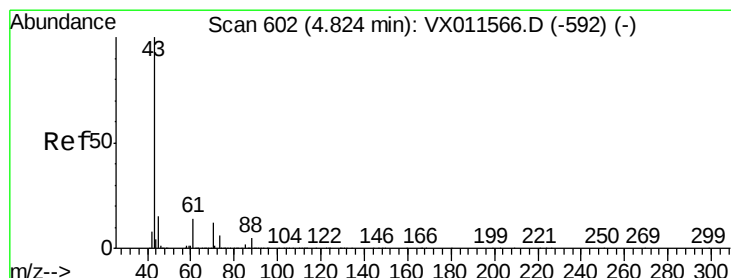
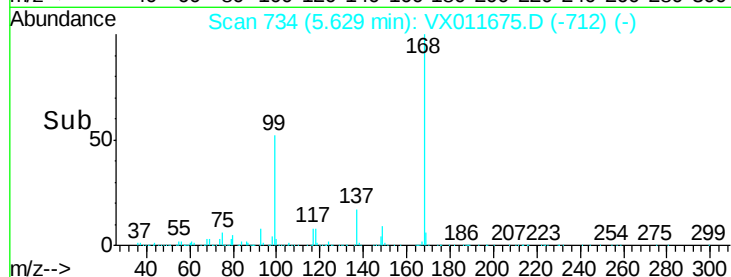
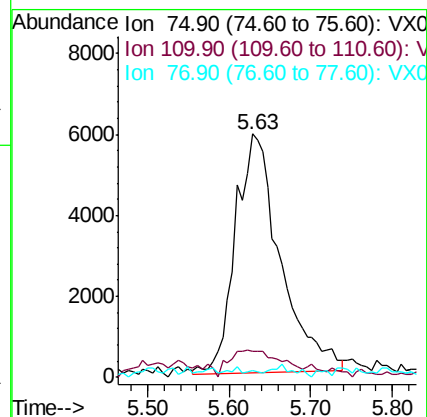
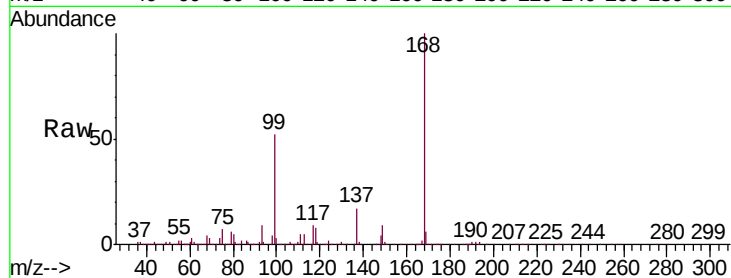
Tgt Ion: 75 Resp: 22605

Ion Ratio Lower Upper

75 100

110 13.2 19.4 58.1#

77 0.6 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.309 ug/l

RT: 4.85 min Scan# 606

Delta R.T. 0.02 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

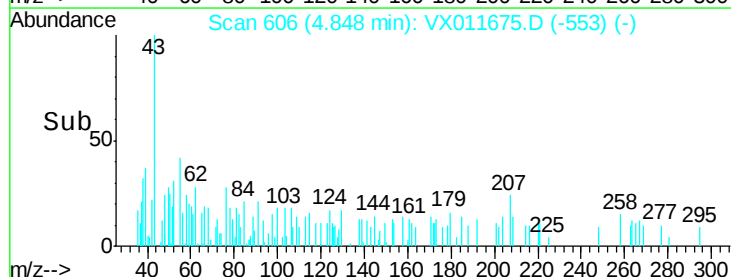
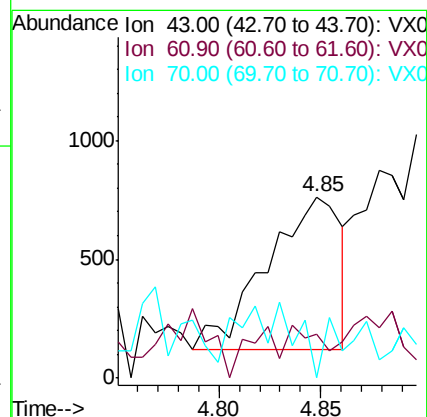
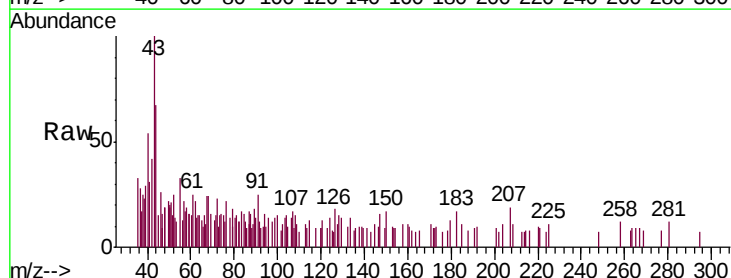
Tgt Ion: 43 Resp: 1622

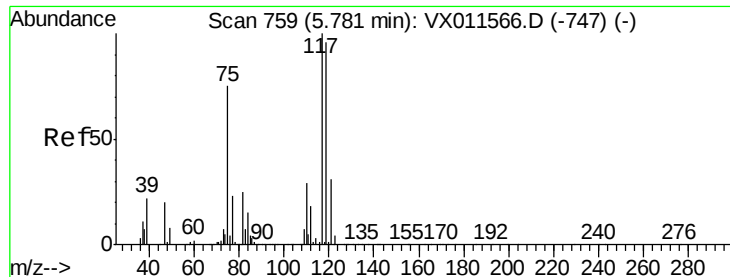
Ion Ratio Lower Upper

43 100

61 8.1 11.4 17.0#

70 11.8 9.0 13.6





#38

Carbon Tetrachloride

Concen: 6.812 ug/l

RT: 5.63 min Scan# 735

Delta R.T. -0.15 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

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TB01-081919

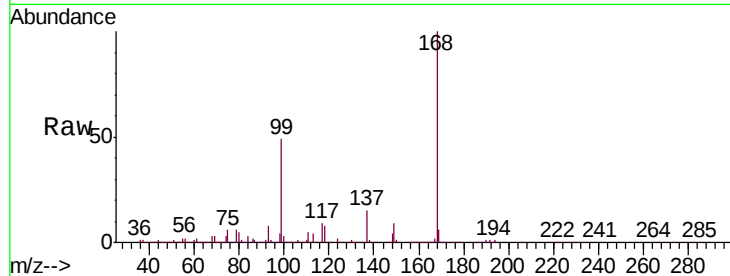
Tgt Ion: 117 Resp: 34287

Ion Ratio Lower Upper

117 100

119 4.3 76.9 115.3#

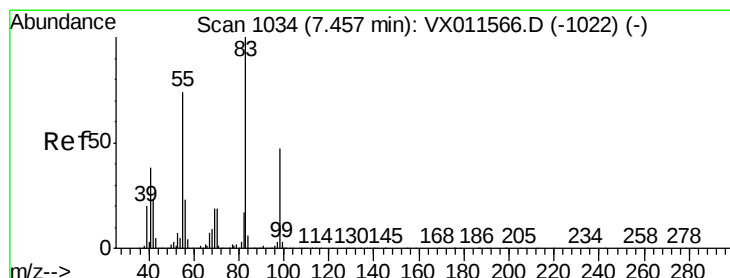
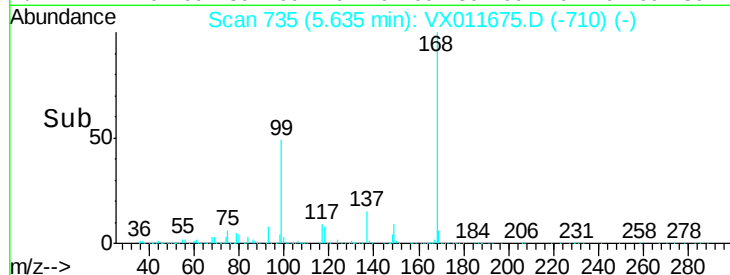
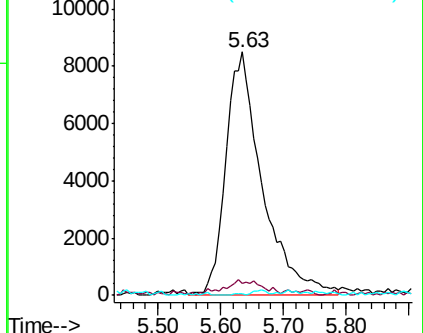
121 0.2 24.8 37.2#



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



#39

Methylcyclohexane

Concen: 0.210 ug/l

RT: 7.43 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

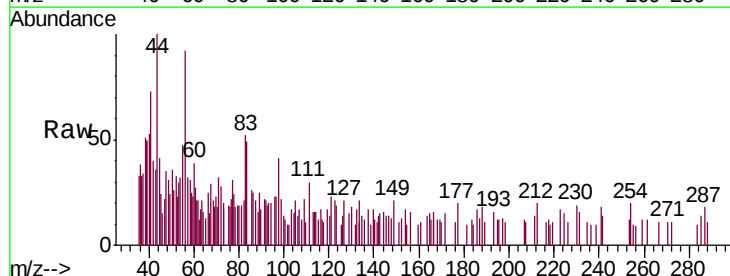
Tgt Ion: 83 Resp: 1184

Ion Ratio Lower Upper

83 100

55 3.2 58.8 88.2#

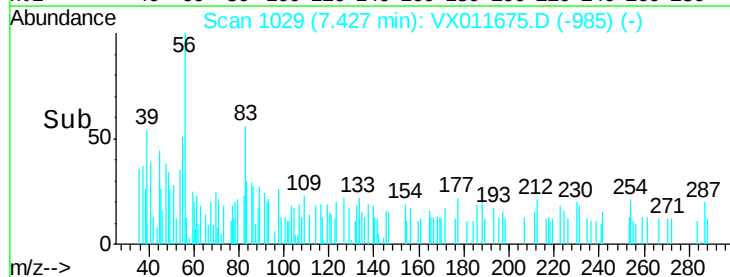
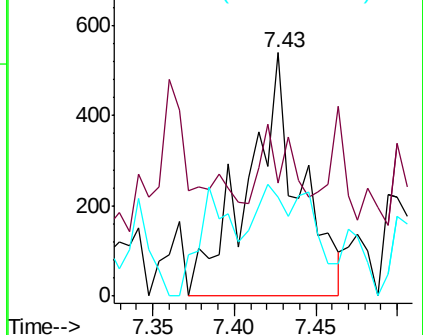
98 27.6 37.8 56.6#

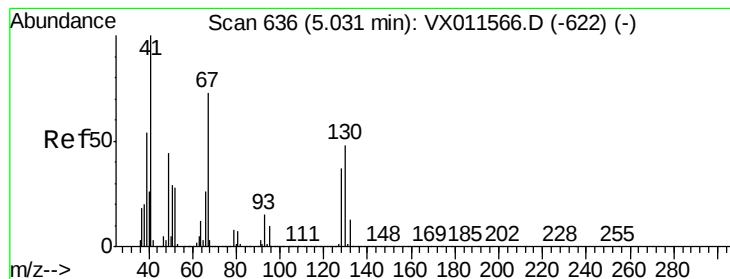


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#41

Methacrylonitrile

Concen: 0.272 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

TB01-081919

Tgt Ion: 41 Resp: 787

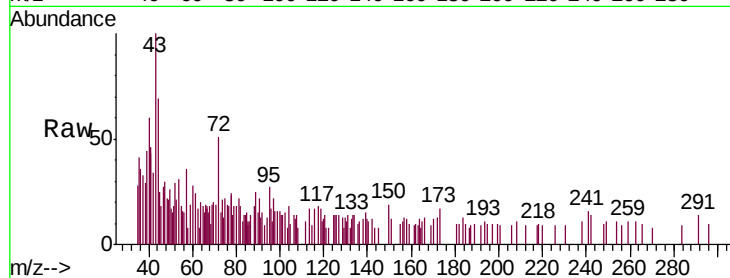
Ion Ratio Lower Upper

41 100

39 110.2 43.5 65.3#

67 39.0 59.4 89.2#

52 15.8 23.4 35.2#

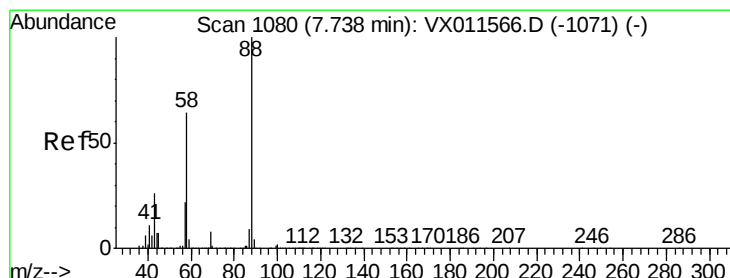
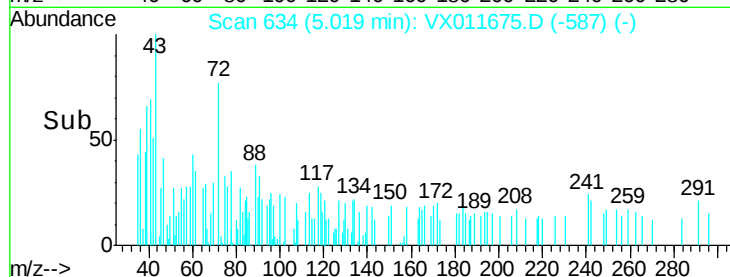
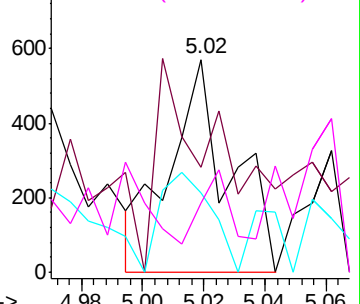


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#49

1,4-Dioxane

Concen: 1.852 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

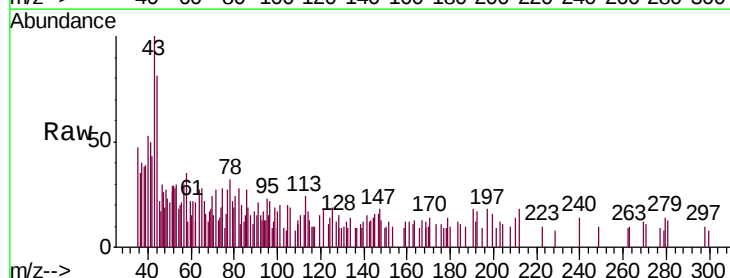
Tgt Ion: 88 Resp: 200

Ion Ratio Lower Upper

88 100

43 102.5 23.4 35.0#

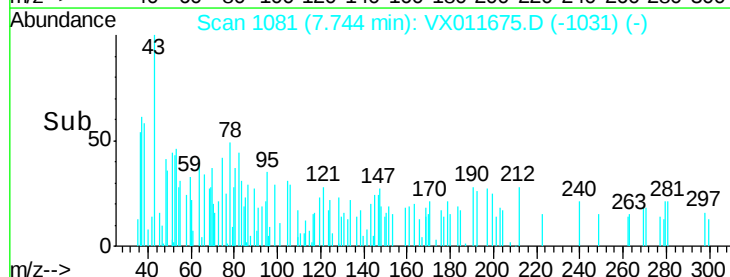
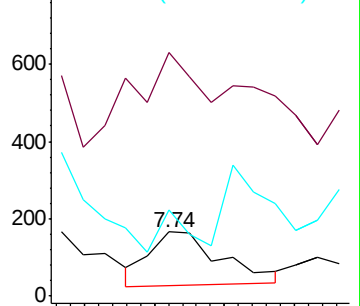
58 91.5 54.3 81.5#

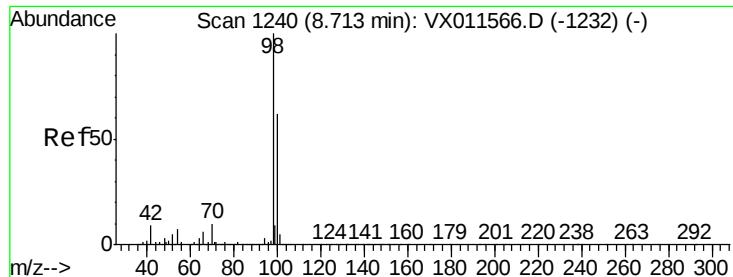


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 56.492 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

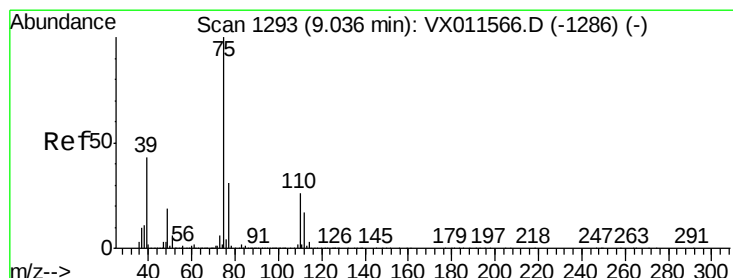
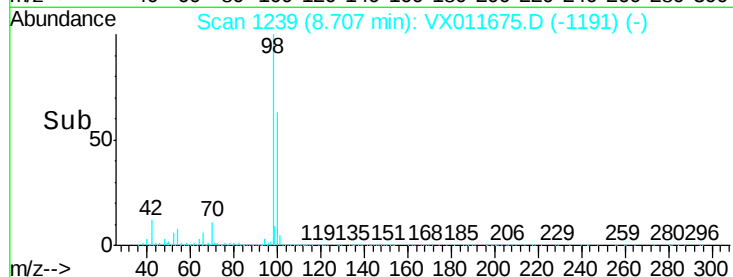
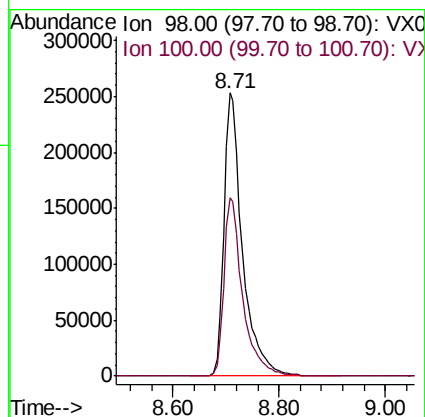
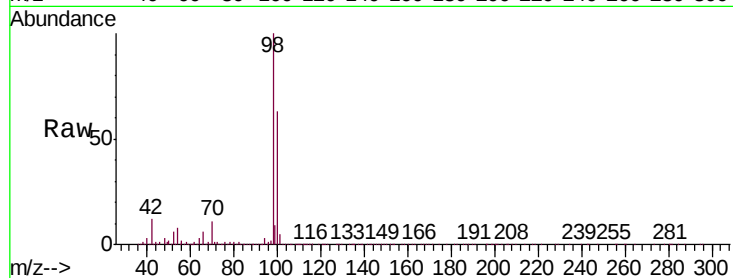
TB01-081919

Tgt Ion: 98 Resp: 615182

Ion Ratio Lower Upper

98 100

100 63.7 52.4 78.6



#53

t-1,3-Dichloropropene

Concen: 2.666 ug/l

RT: 8.98 min Scan# 1284

Delta R.T. -0.05 min

Lab File: VX011675.D

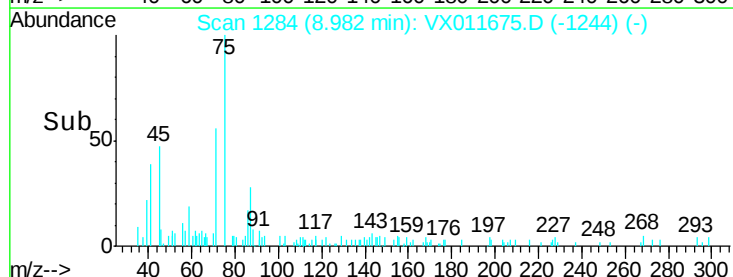
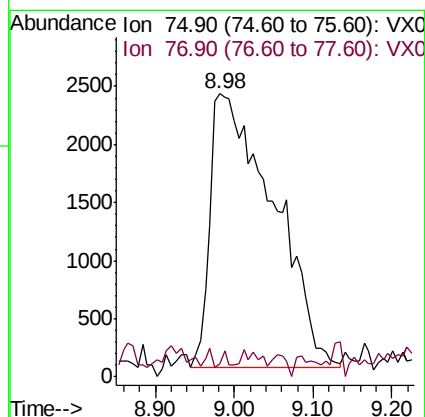
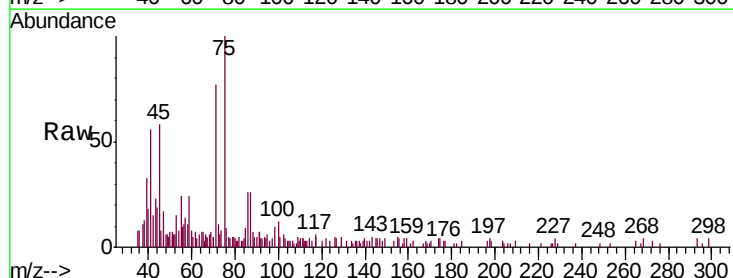
Acq: 20 Aug 2019 11:30

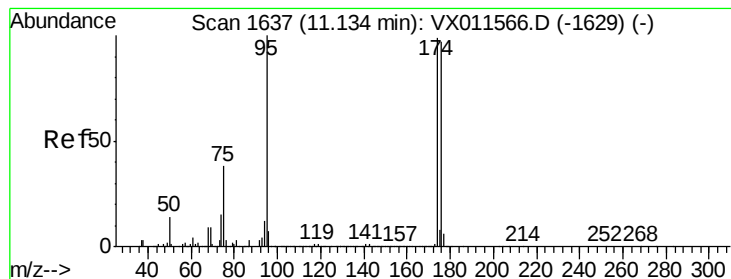
Tgt Ion: 75 Resp: 13070

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#





#62

4-Bromofluorobenzene

Concen: 48.638 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

TB01-081919

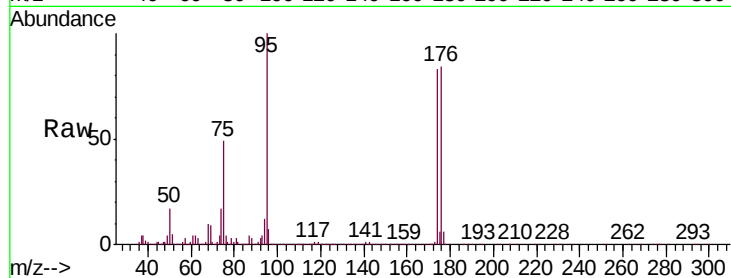
Tgt Ion: 95 Resp: 223560

Ion Ratio Lower Upper

95 100

174 93.9 0.0 200.6

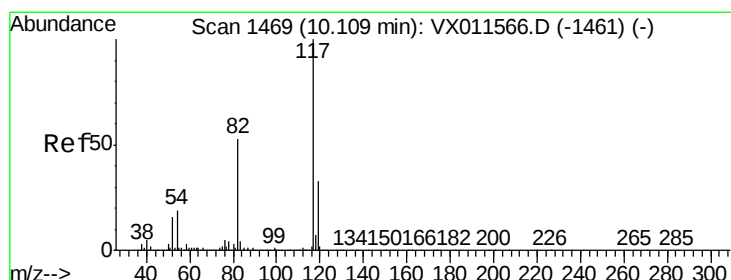
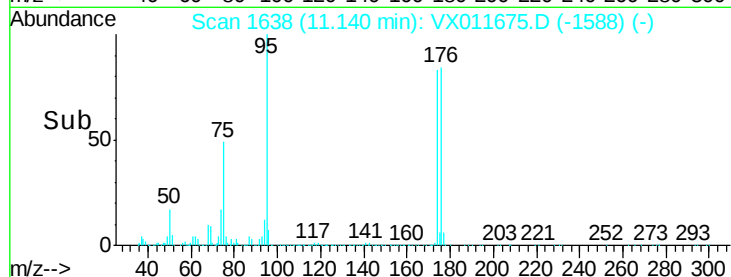
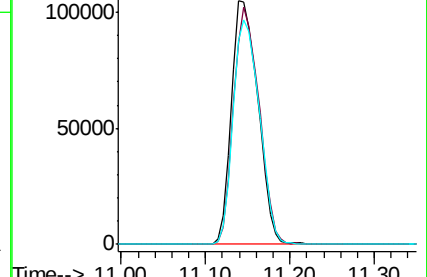
176 91.1 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

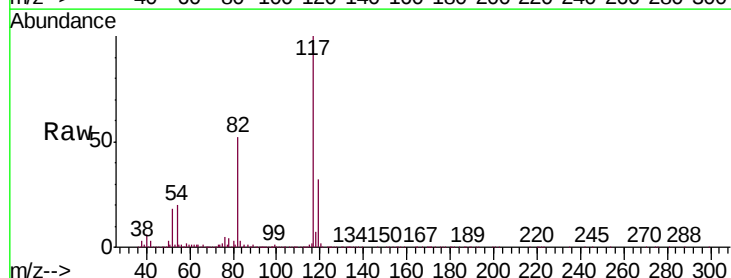
Tgt Ion: 117 Resp: 481734

Ion Ratio Lower Upper

117 100

82 52.0 42.0 63.0

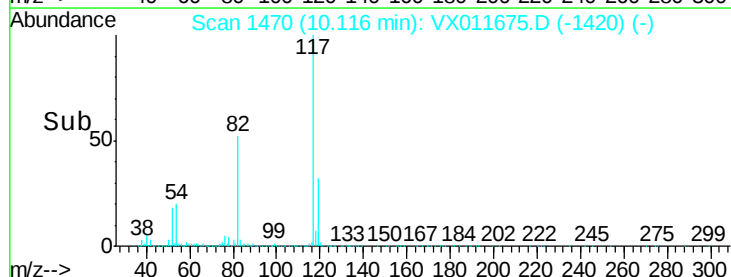
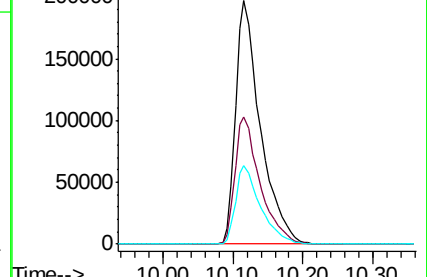
119 32.2 26.5 39.7

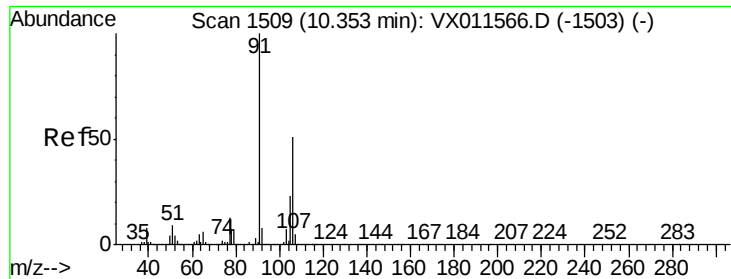


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

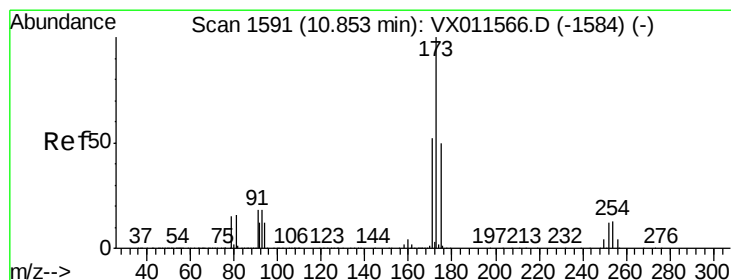
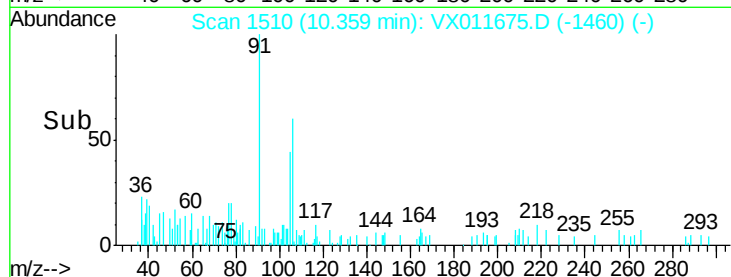
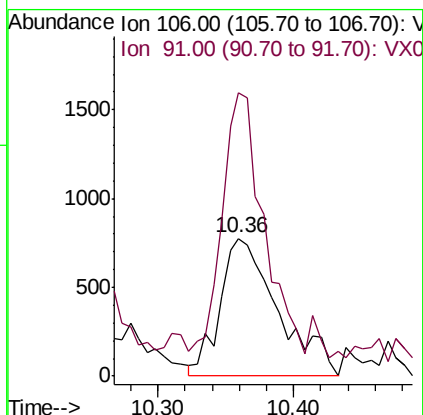
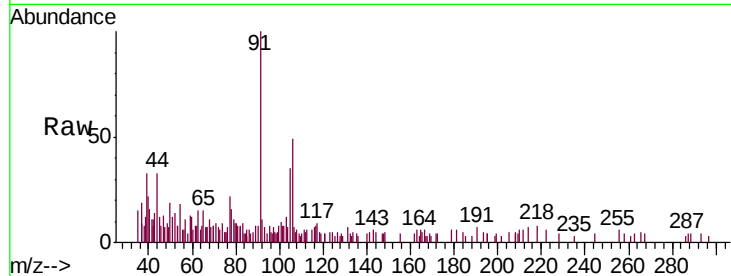




#68
m/p-Xylenes
Concen: 0.348 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VX011675.D
Acq: 20 Aug 2019 11:30

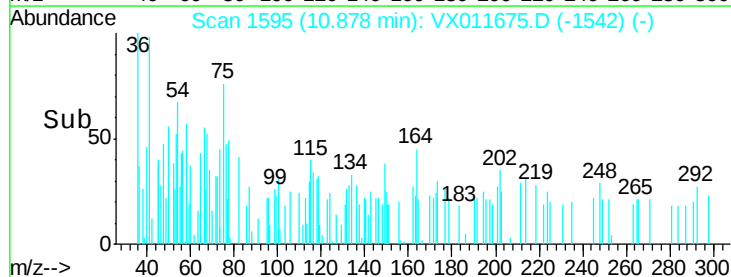
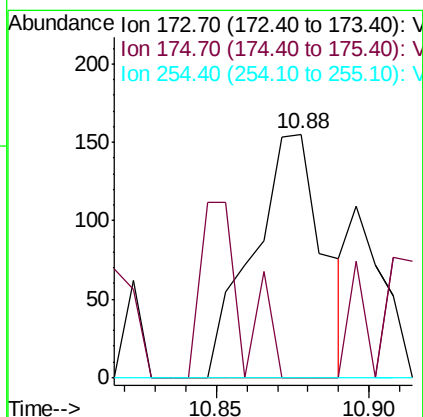
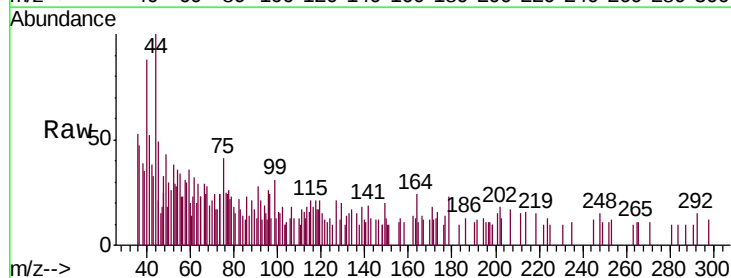
Instrument :
MSVOA_X
ClientSampleId :
TB01-081919

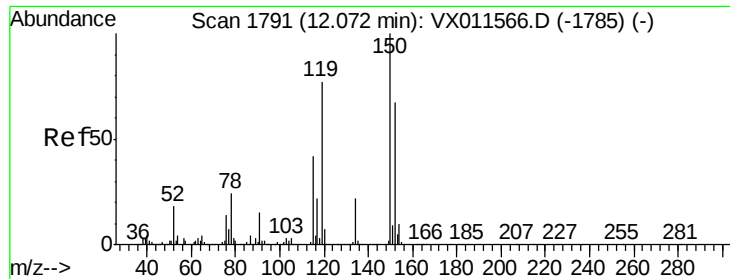
Tgt Ion:106 Resp: 2292
Ion Ratio Lower Upper
106 100
91 135.1 156.0 234.0#



#71
Bromoform
Concen: 3.354 ug/l
RT: 10.88 min Scan# 1595
Delta R.T. 0.02 min
Lab File: VX011675.D
Acq: 20 Aug 2019 11:30

Tgt Ion:173 Resp: 248
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX011675.D

Acq: 20 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

TB01-081919

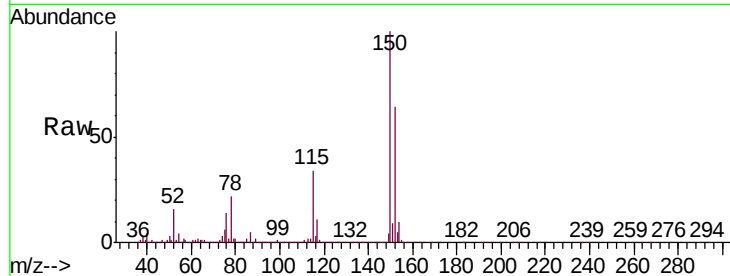
Tgt Ion:152 Resp: 245810

Ion Ratio Lower Upper

152 100

115 54.1 37.3 111.9

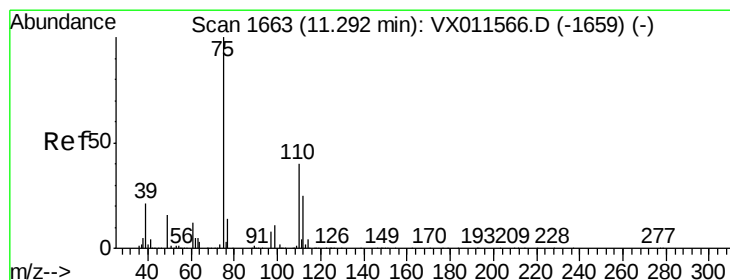
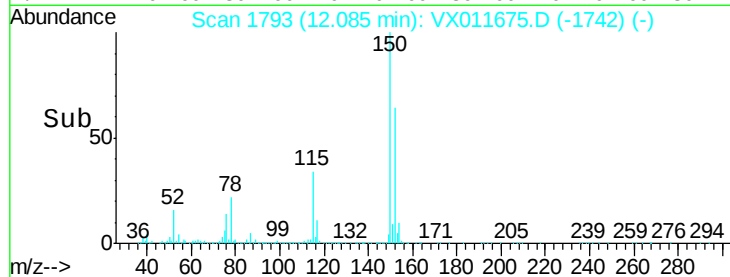
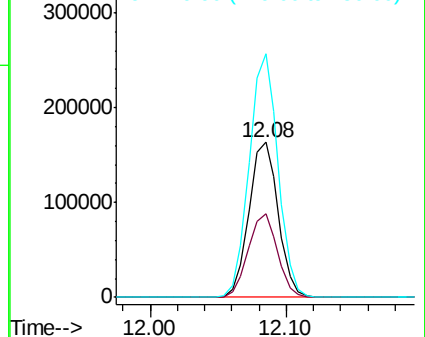
150 155.2 0.0 346.2



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: 23.166 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX011675.D

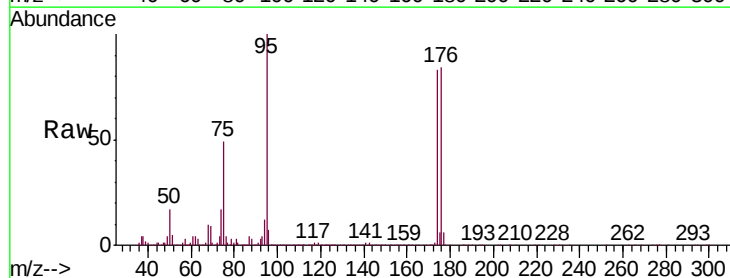
Acq: 20 Aug 2019 11:30

Tgt Ion: 75 Resp: 107982

Ion Ratio Lower Upper

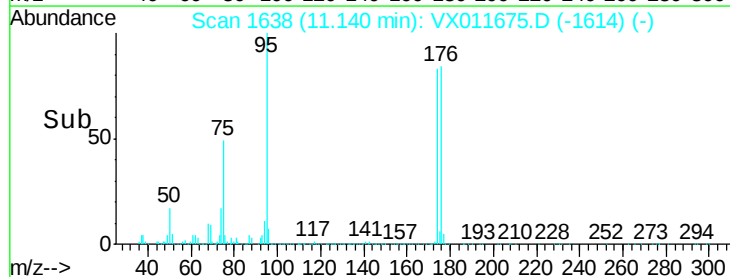
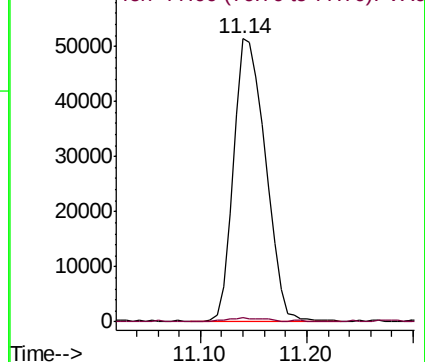
75 100

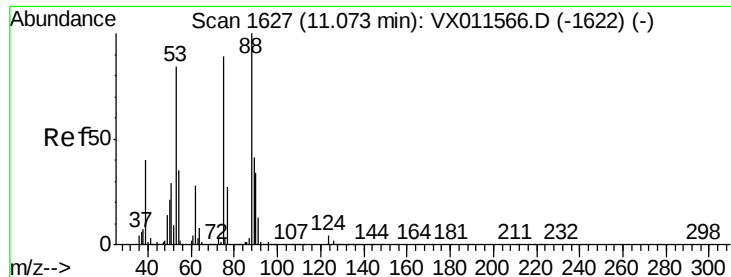
77 1.3 20.9 62.8#



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: 61.612 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX011675.D
 Acq: 20 Aug 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-081919

Tgt Ion: 75 Resp: 107982
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.4 116.0#
 89 0.2 37.3 55.9#

