

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018563.D
 Acq On : 24 Sep 2020 11:47
 Operator : JC/SP
 Sample : L4083-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20200917

Quant Time: Sep 25 01:04:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	459657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	748585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	731416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	352414	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	338236	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	5.47	113	265284	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	8.70	98	924510	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.12	95	339309	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

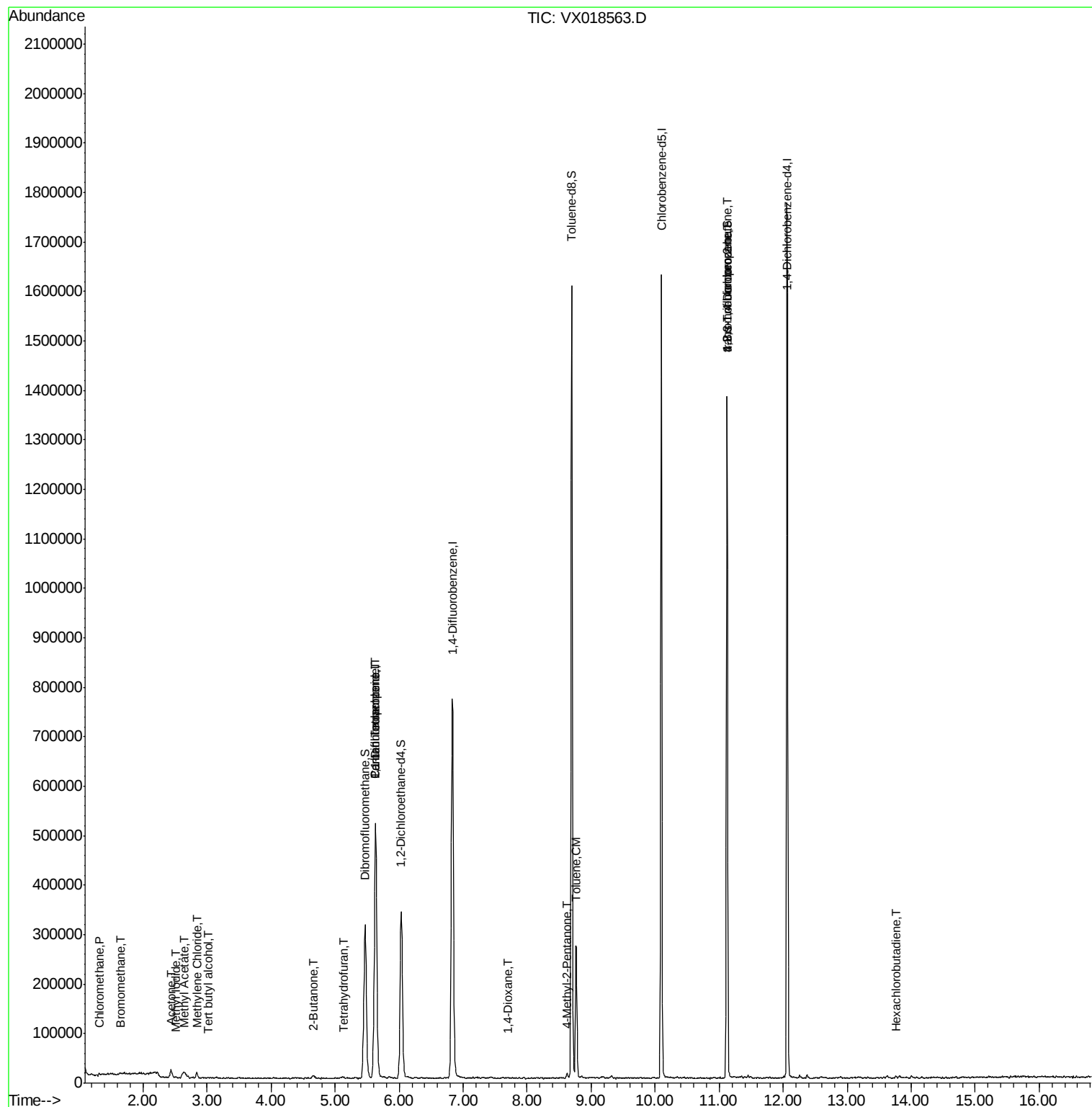
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1689	0.331	ug/l	94
5) Bromomethane	1.65	94	1079	0.325	ug/l #	28
10) Methyl Iodide	2.50	142	1016	5.082	ug/l #	78
11) Tert butyl alcohol	3.02	59	431	0.381	ug/l #	72
16) Acetone	2.43	43	21286	8.559	ug/l	94
18) Methyl Acetate	2.64	43	6710	1.089	ug/l #	55
20) Methylene Chloride	2.84	84	5305	0.967	ug/l	92
25) 2-Butanone	4.65	43	7565	1.953	ug/l #	82
29) Tetrahydrofuran	5.13	42	3924	1.608	ug/l #	70
36) 1,1-Dichloropropene	5.63	75	35973	4.951	ug/l #	53
38) Carbon Tetrachloride	5.63	117	49373	6.136	ug/l #	20
49) 1,4-Dioxane	7.70	88	233	2.250	ug/l #	22
51) 4-Methyl-2-Pentanone	8.62	43	5300	0.691	ug/l	90
52) Toluene	8.77	92	98993	7.555	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	180921	24.430	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	180921	62.601	ug/l #	13
94) Hexachlorobutadiene	13.76	225	857	0.268	ug/l #	65

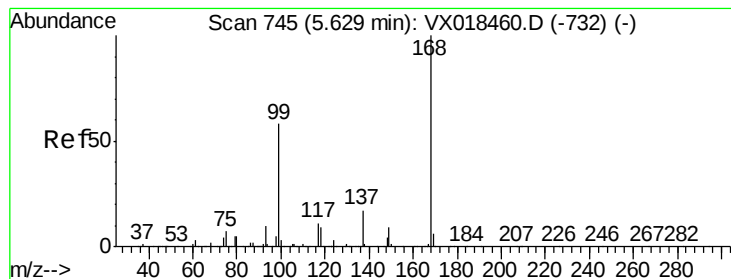
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

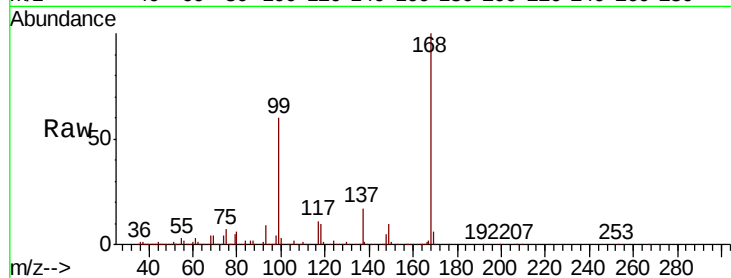
FB01-20200917

Tot Ion:168 Resp: 459657

Ion Ratio Lower Upper

168 100

99 60.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

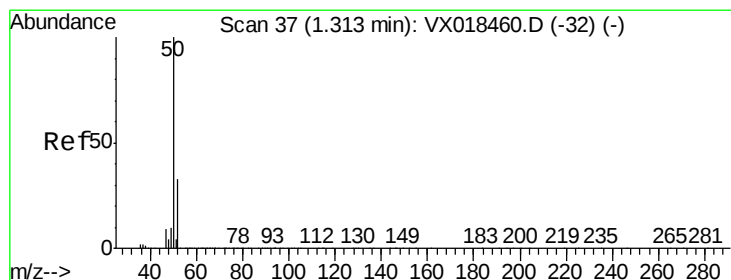
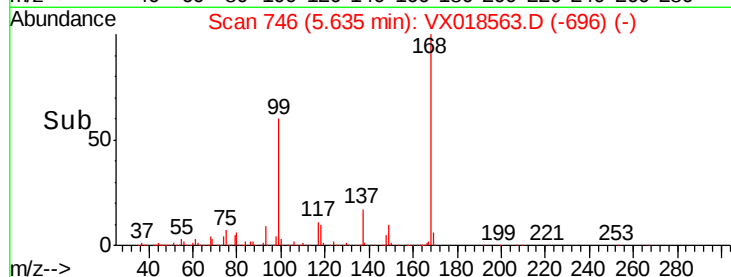
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.331 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018563.D

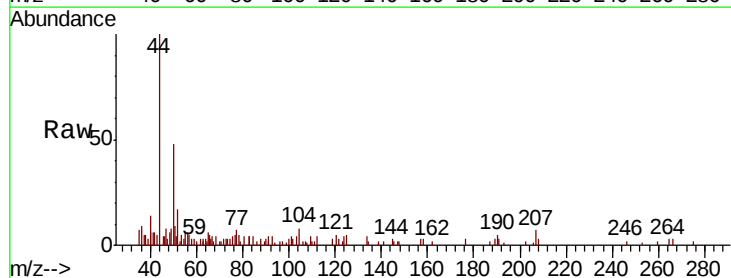
Acq: 24 Sep 2020 11:47

Tgt Ion: 50 Resp: 1689

Ion Ratio Lower Upper

50 100

52 30.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

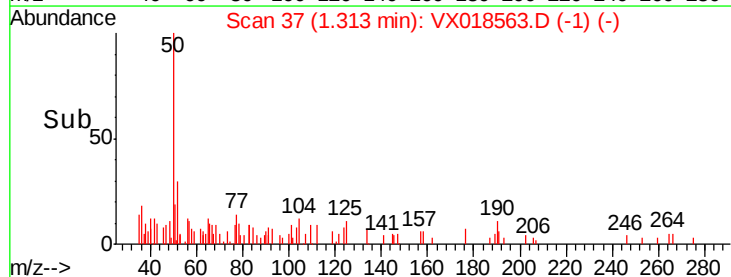
1500

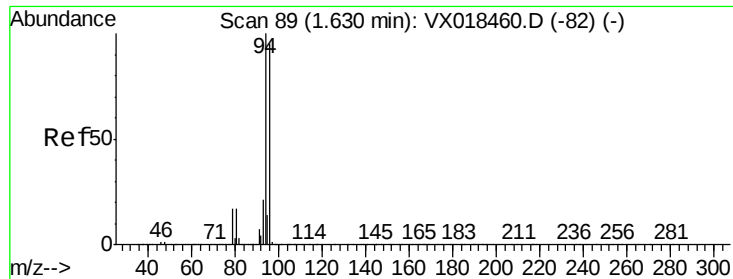
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.325 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

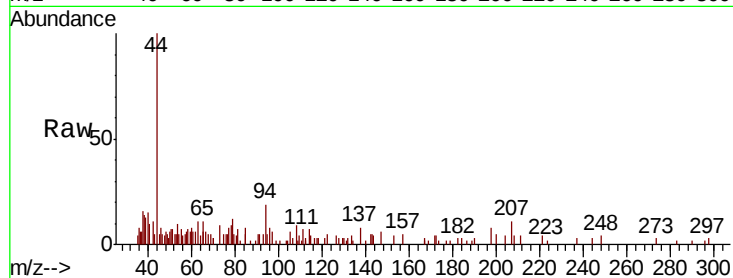
FB01-20200917

Tot Ion: 94 Resp: 1079

Ion Ratio Lower Upper

94 100

96 24.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

300

200

100

0

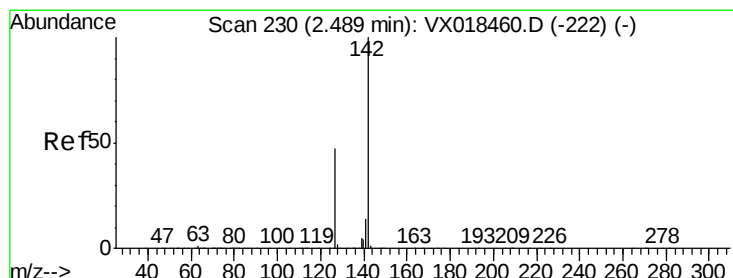
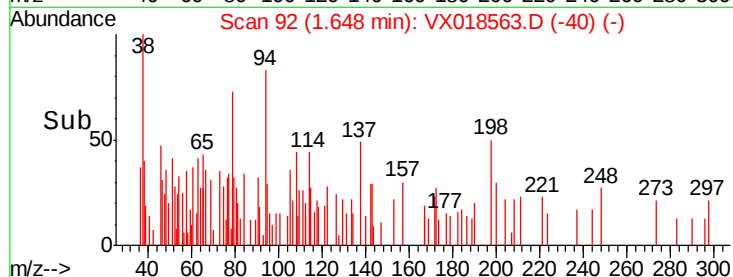
1.55

1.60

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 5.082 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

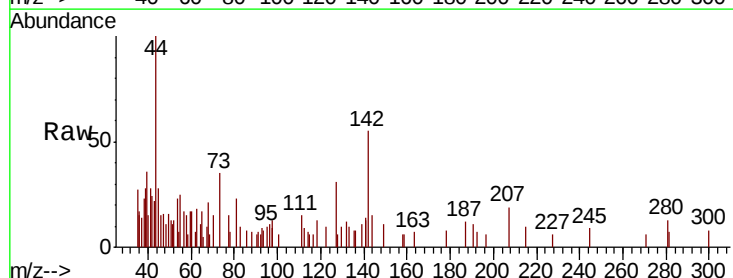
Tgt Ion: 142 Resp: 1016

Ion Ratio Lower Upper

142 100

127 59.4 36.0 54.0#

141 23.6 11.9 17.9#



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

600

400

200

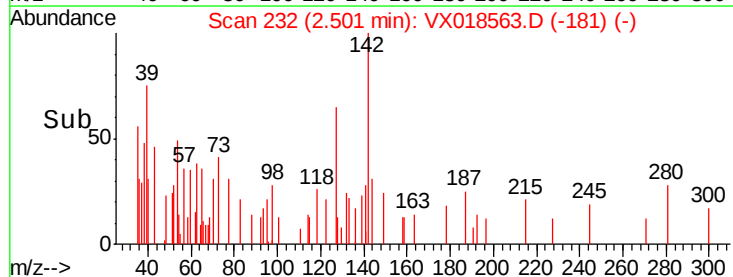
0

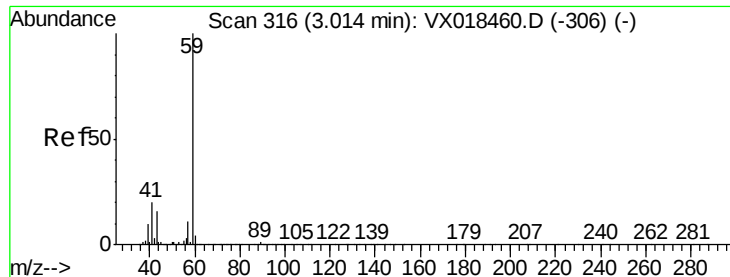
2.45

2.50

2.55

Time-->

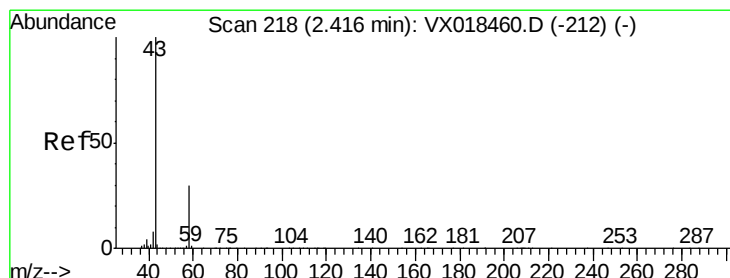
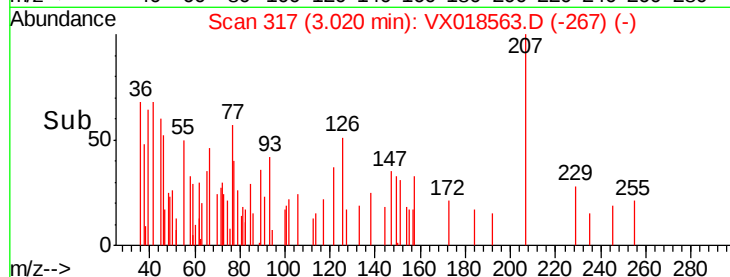
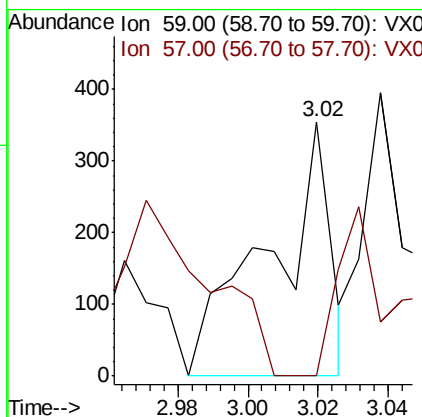
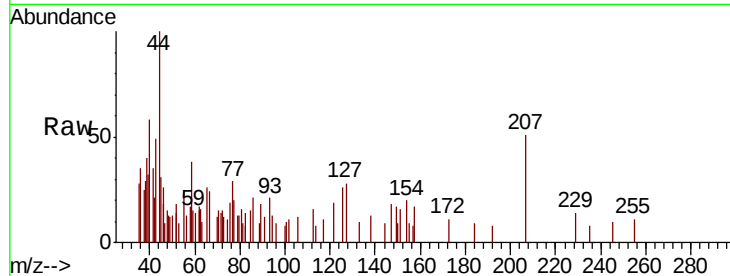




#11
Tert butyl alcohol
Concen: 0.381 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

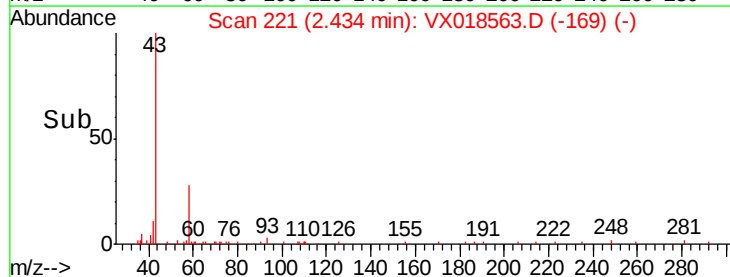
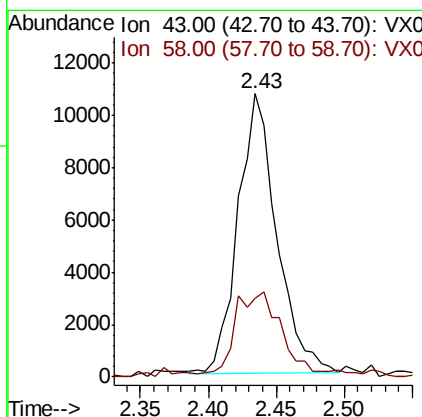
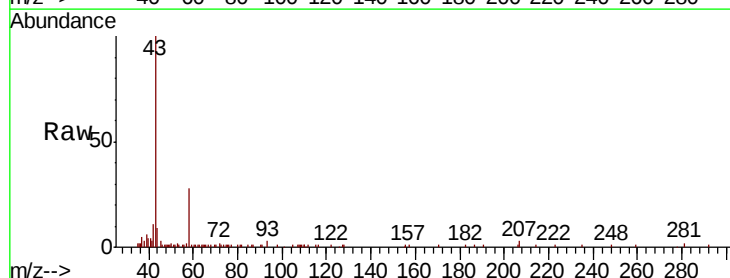
Instrument :
MSVOA_X
ClientSampled :
FB01-20200917

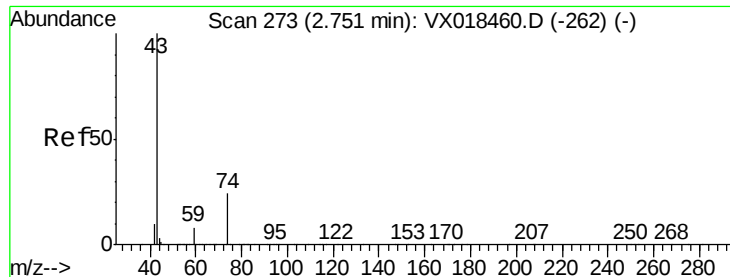
Tot Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 8.559 ug/l
RT: 2.43 min Scan# 221
Delta R.T. 0.02 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

Tgt Ion: 43 Resp: 21286
Ion Ratio Lower Upper
43 100
58 26.7 24.0 36.0

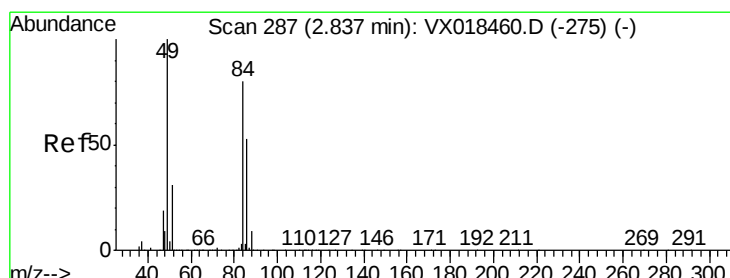
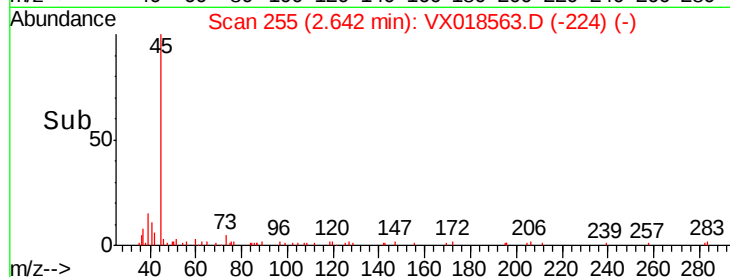
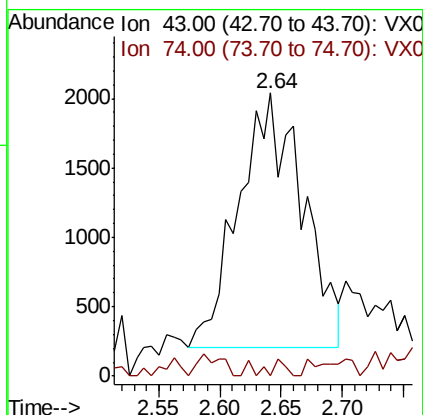
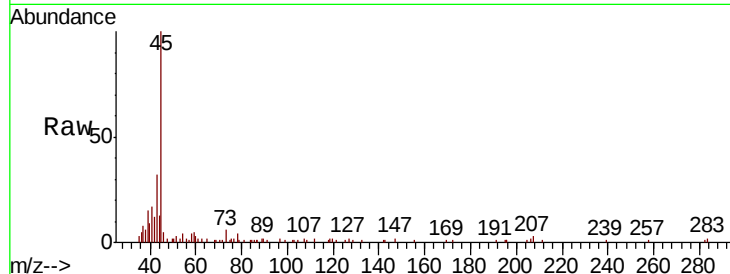




#18
Methyl Acetate
Concen: 1.089 ug/l
RT: 2.64 min Scan# 255
Delta R.T. -0.11 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

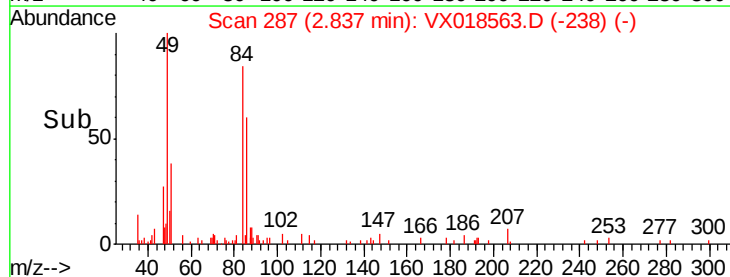
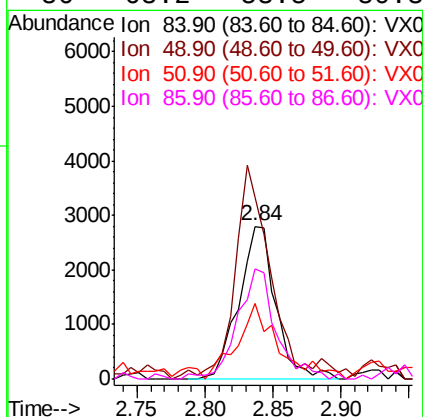
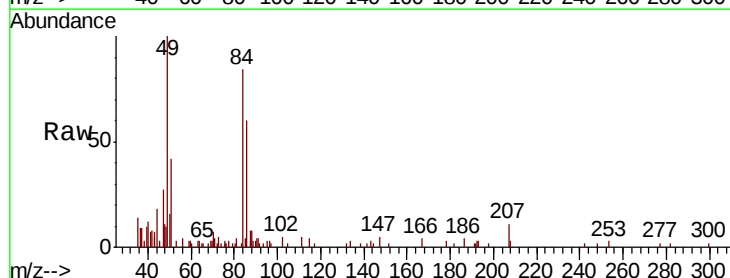
Instrument :
MSVOA_X
ClientSampleId :
FB01-20200917

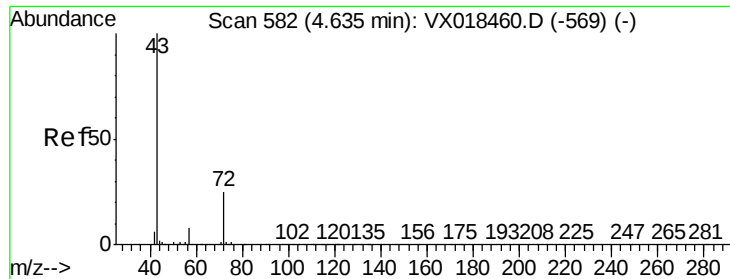
Tot Ion: 43 Resp: 6710
Ion Ratio Lower Upper
43 100
74 1.0 18.3 27.5#



#20
Methylene Chloride
Concen: 0.967 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

Tgt Ion: 84 Resp: 5305
Ion Ratio Lower Upper
84 100
49 114.4 100.6 151.0
51 45.0 30.9 46.3
86 68.2 53.5 80.3

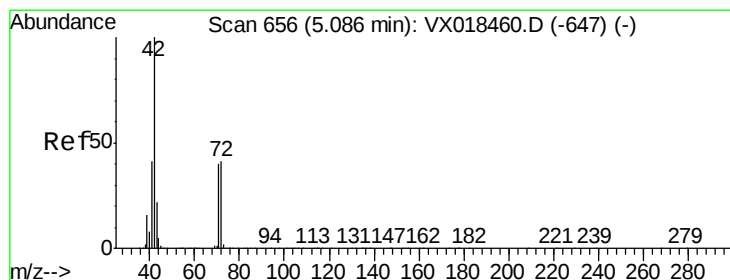
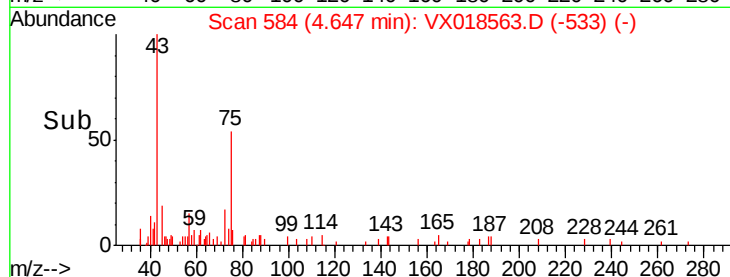
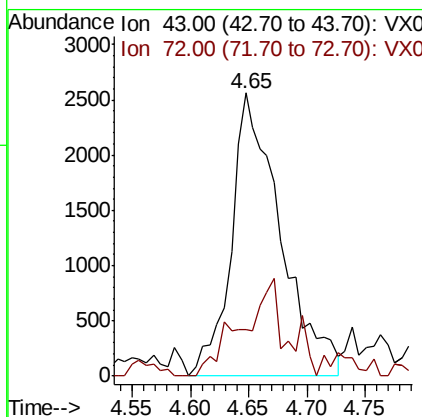
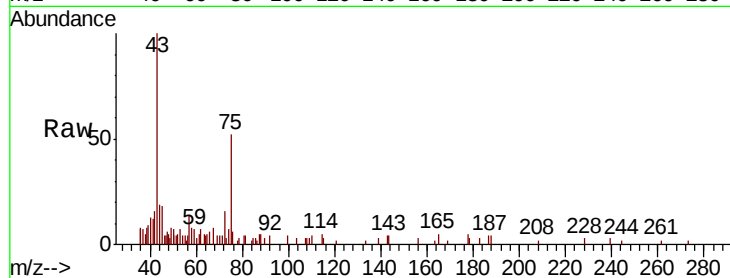




#25
2-Butanone
Concen: 1.953 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

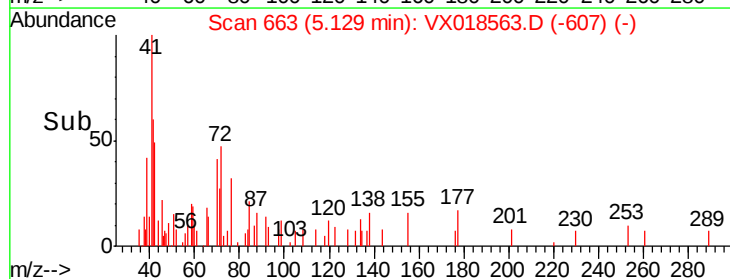
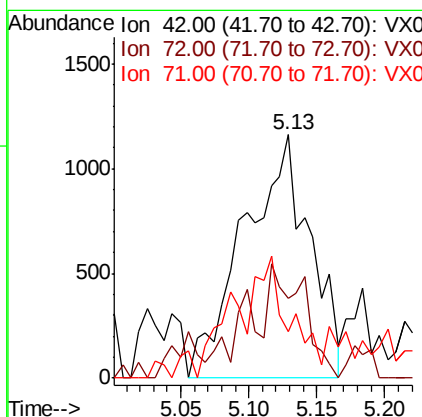
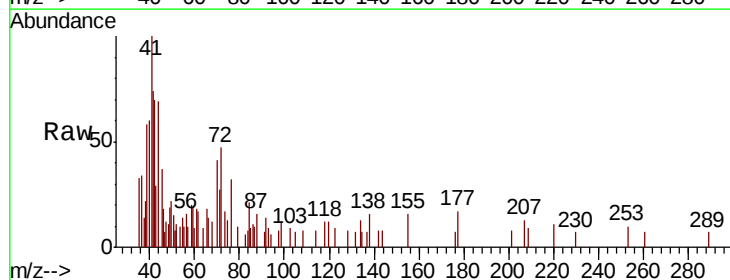
Instrument :
MSVOA_X
ClientSampleId :
FB01-20200917

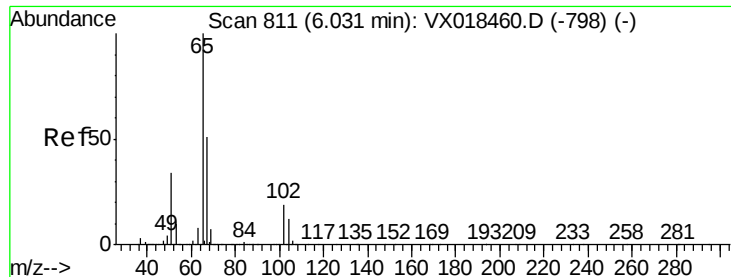
Tot Ion: 43 Resp: 7565
Ion Ratio Lower Upper
43 100
72 16.4 20.2 30.4#



#29
Tetrahydrofuran
Concen: 1.608 ug/l
RT: 5.13 min Scan# 663
Delta R.T. 0.04 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

Tgt Ion: 42 Resp: 3924
Ion Ratio Lower Upper
42 100
72 24.4 34.3 51.5#
71 20.8 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 52.016 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

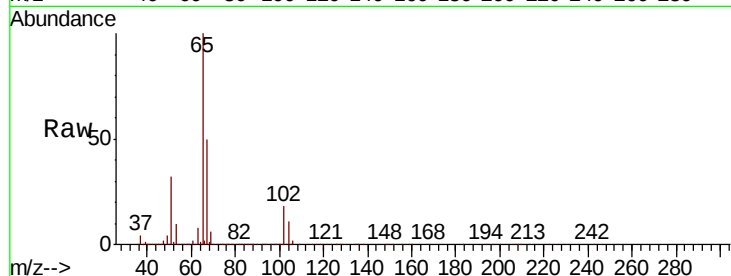
FB01-20200917

Tot Ion: 65 Resp: 338236

Ion Ratio Lower Upper

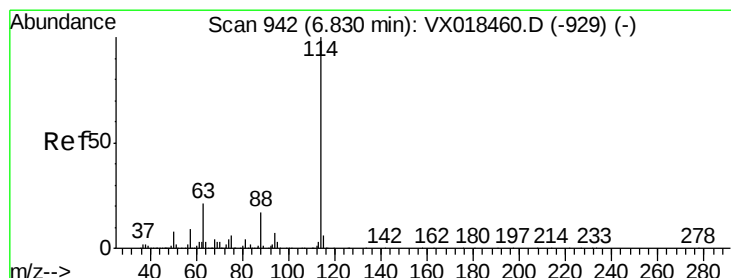
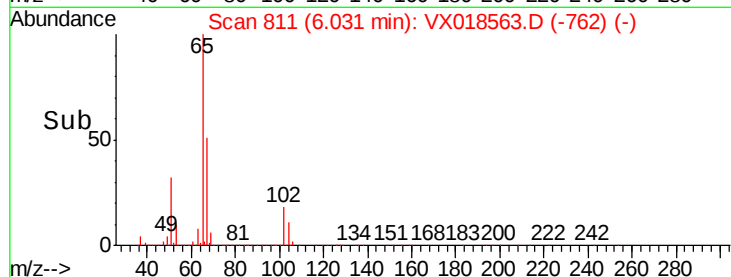
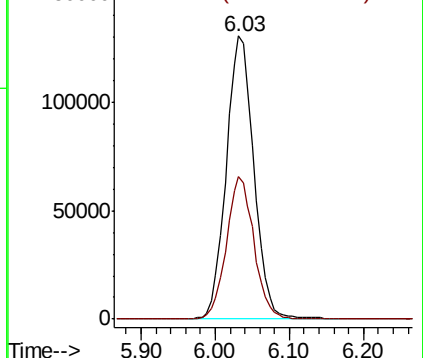
65 100

67 50.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

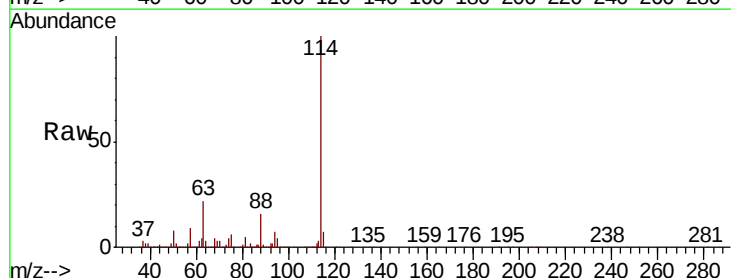
Tgt Ion: 114 Resp: 748585

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.8

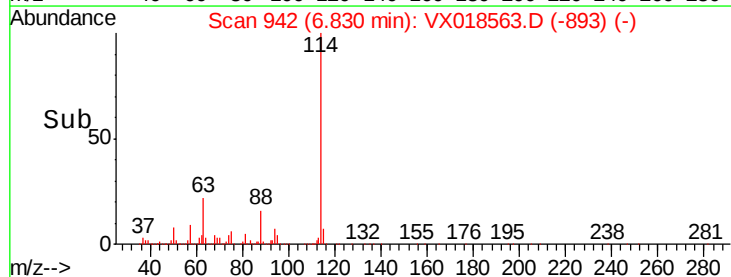
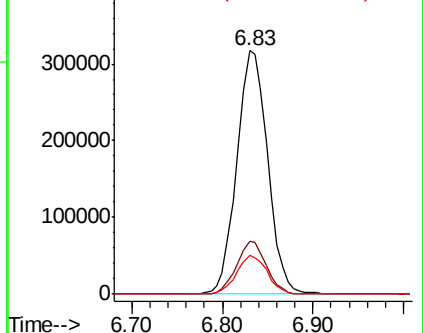
88 16.1 0.0 33.6

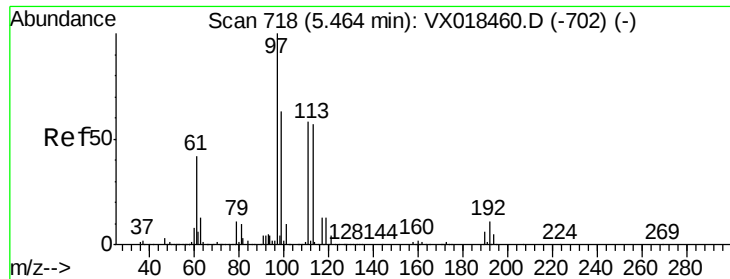


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.262 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

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ClientSampleId :

FB01-20200917

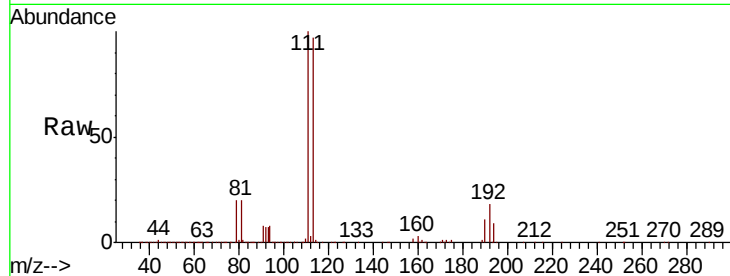
Tot Ion:113 Resp: 265284

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

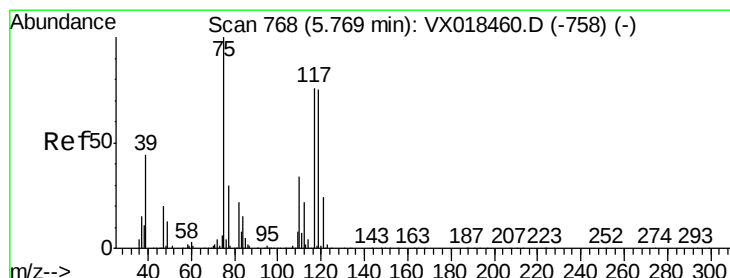
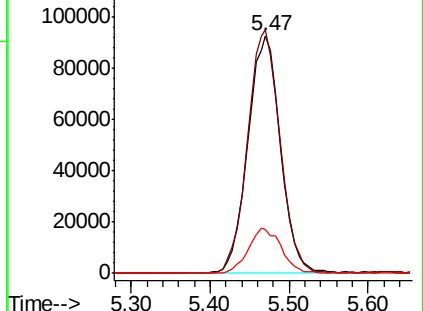
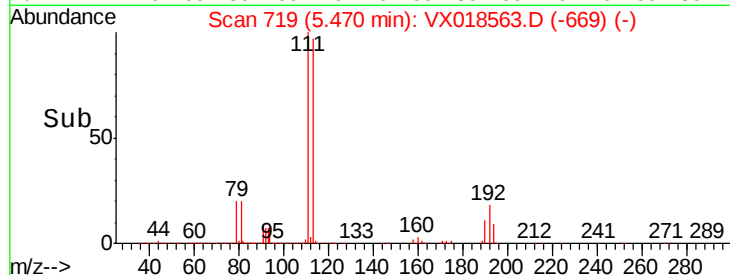
192 19.2 16.6 24.8



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: 4.951 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

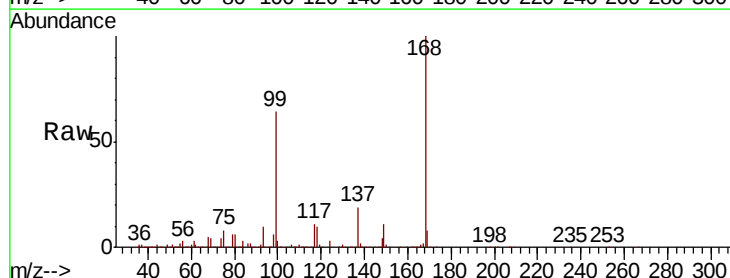
Tgt Ion: 75 Resp: 35973

Ion Ratio Lower Upper

75 100

110 11.9 17.6 52.8#

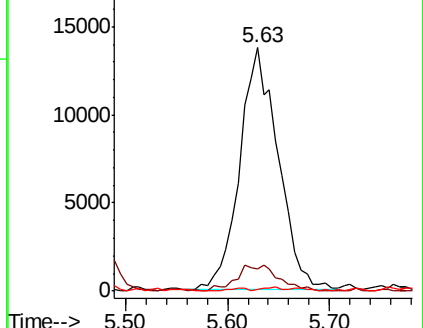
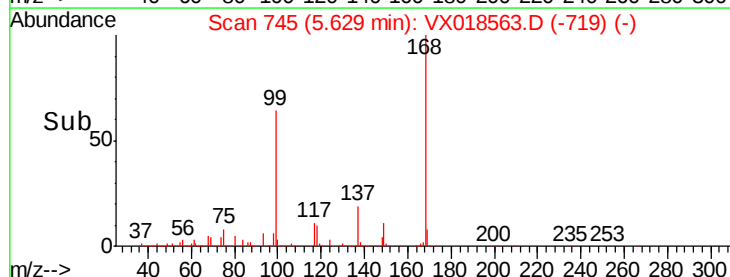
77 0.5 25.0 37.6#

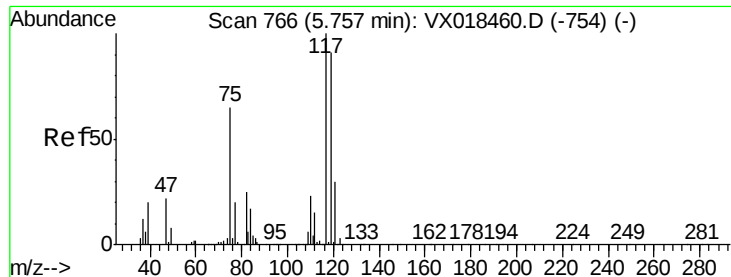


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

FB01-20200917

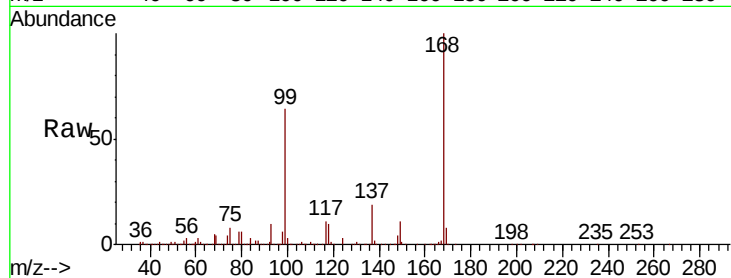
Tot Ion:117 Resp: 49373

Ion Ratio Lower Upper

117 100

119 6.6 72.3 108.5#

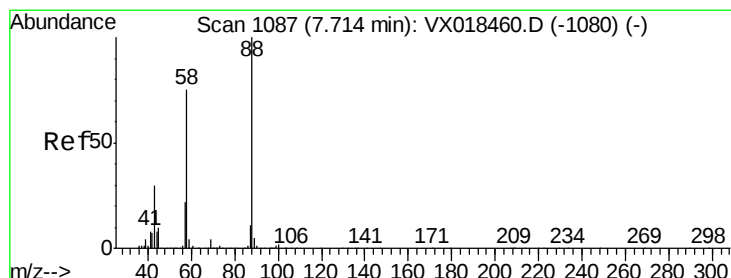
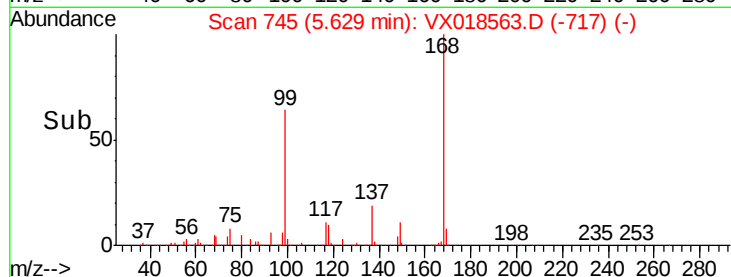
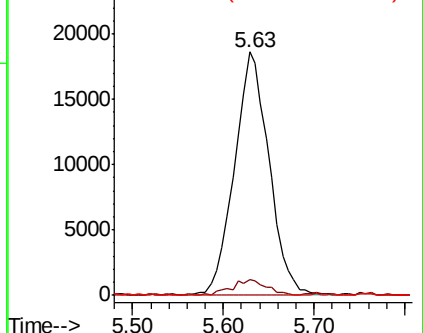
121 0.0 23.8 35.8#



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: 2.250 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

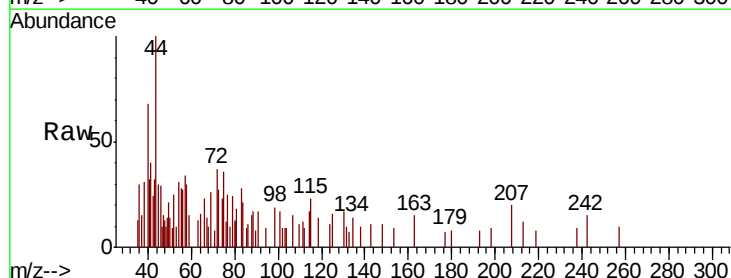
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 73.0 29.9 44.9#

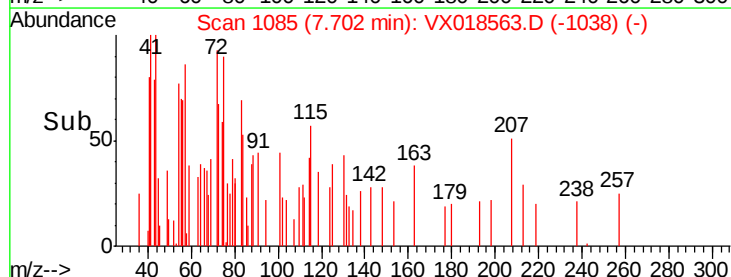
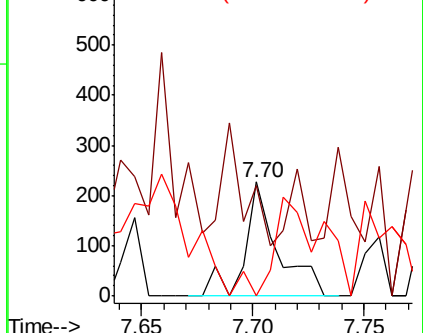
58 0.0 59.0 88.6#

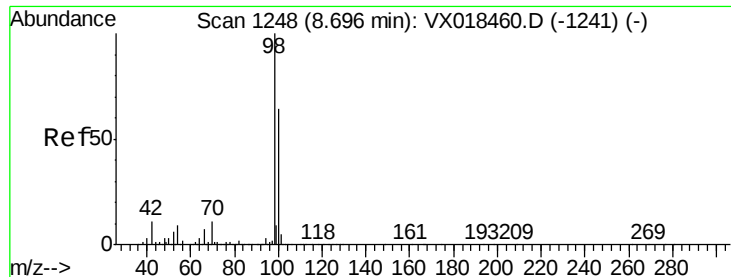


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.169 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

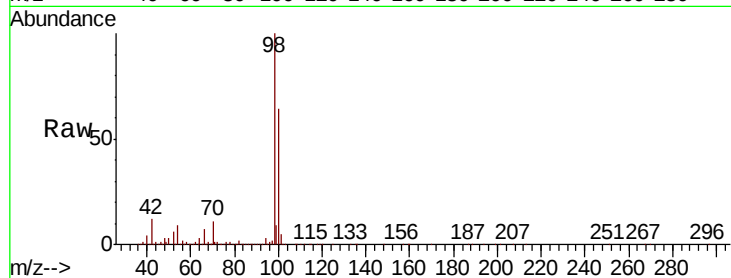
FB01-20200917

Tot Ion: 98 Resp: 924510

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

600000

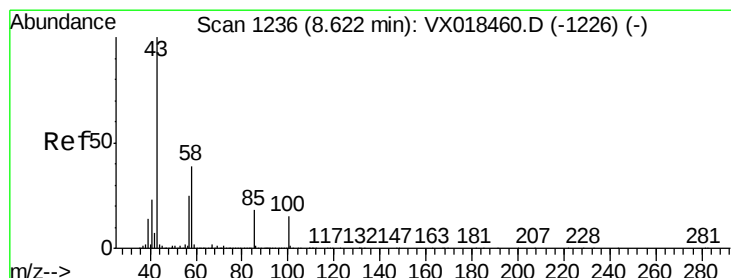
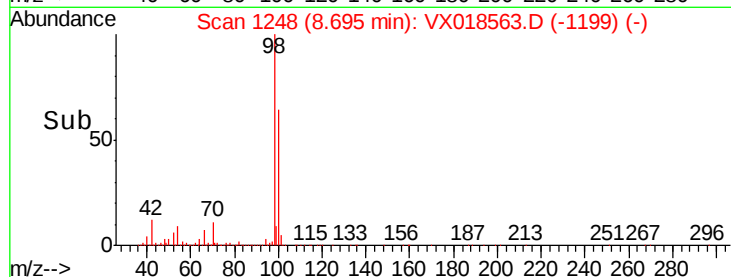
400000

200000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.691 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018563.D

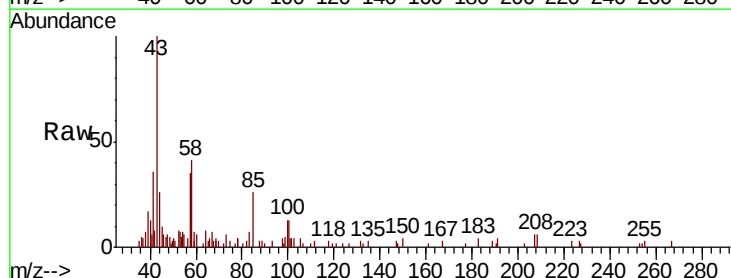
Acq: 24 Sep 2020 11:47

Tgt Ion: 43 Resp: 5300

Ion Ratio Lower Upper

43 100

58 44.7 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

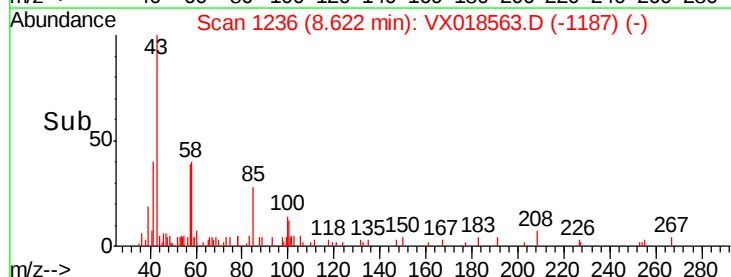
4000

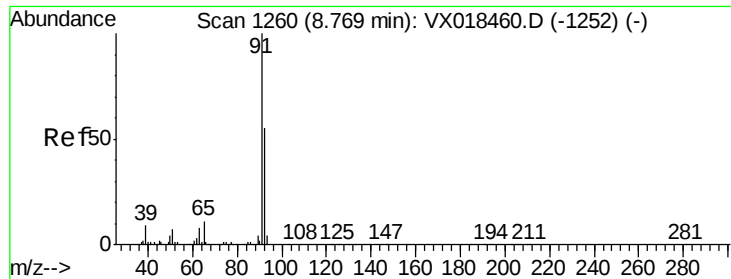
2000

0

8.55 8.60 8.65

Time-->





#52

Toluene

Concen: 7.555 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

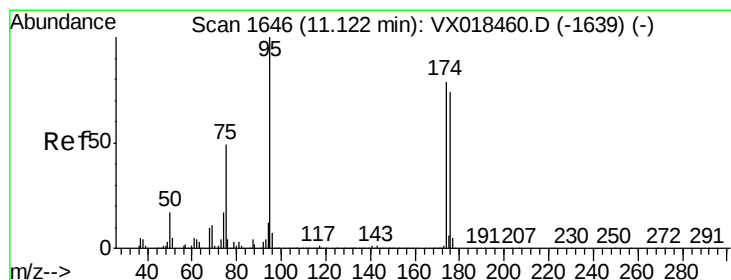
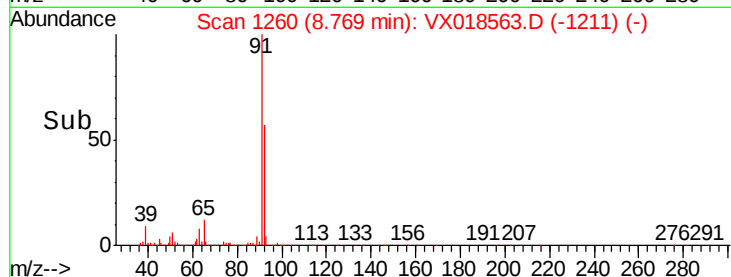
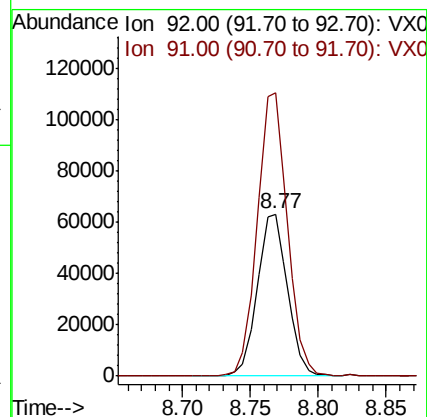
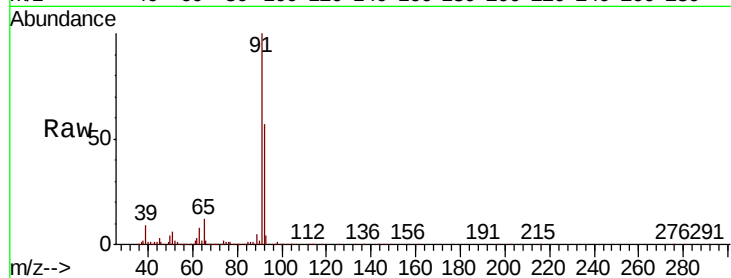
FB01-20200917

Tot Ion: 92 Resp: 98993

Ion Ratio Lower Upper

92 100

91 173.9 140.6 210.8



#62

4-Bromofluorobenzene

Concen: 45.366 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

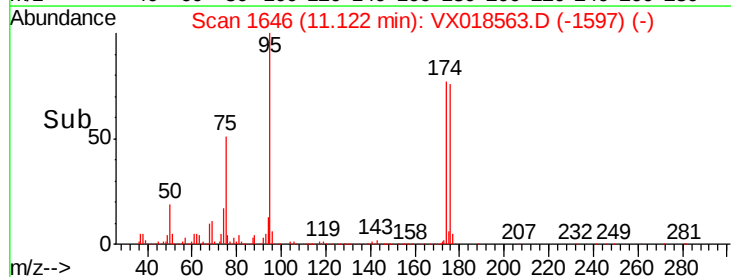
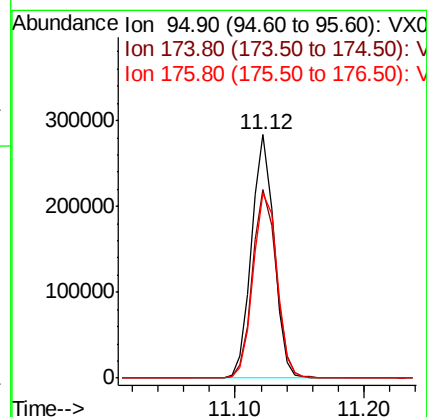
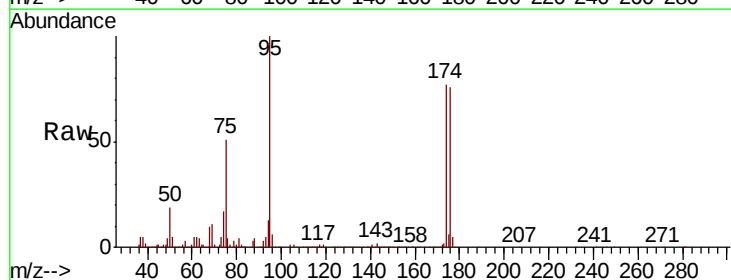
Tgt Ion: 95 Resp: 339309

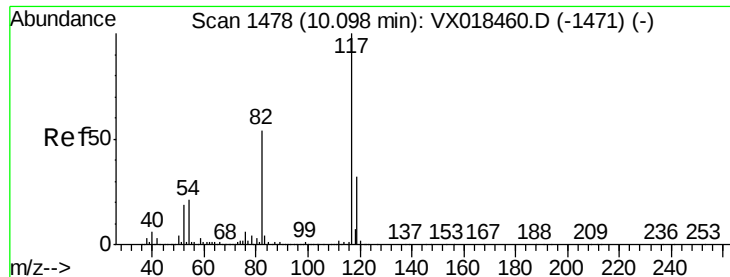
Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.4

176 80.7 0.0 151.4

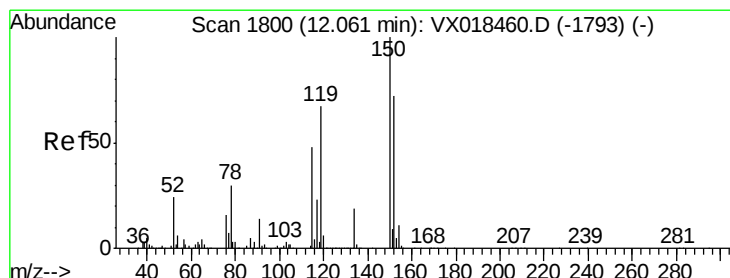
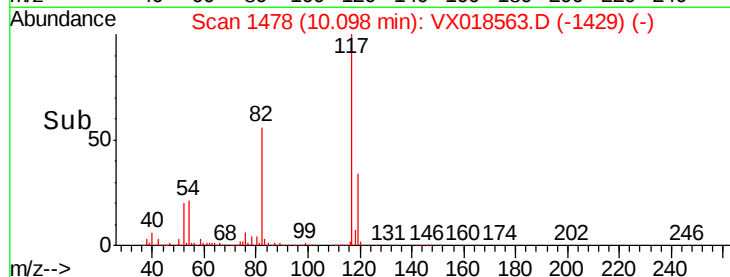
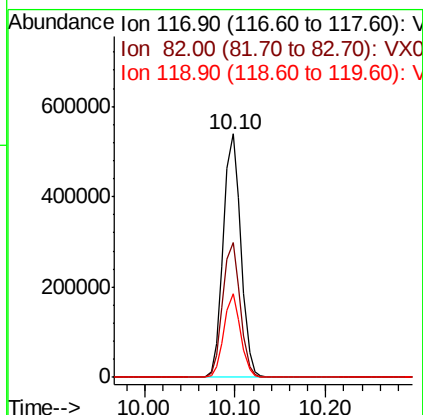
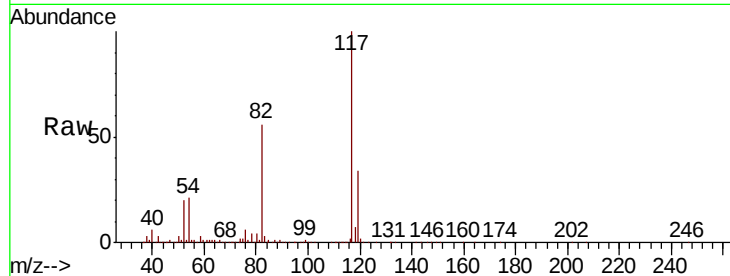




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

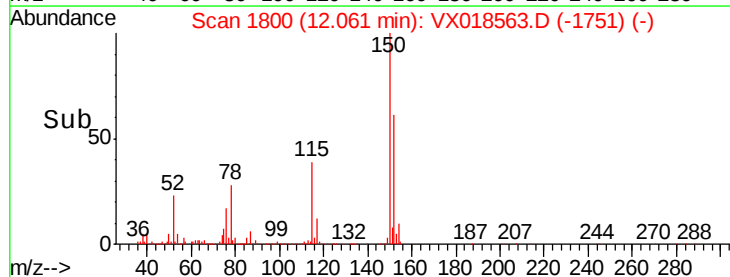
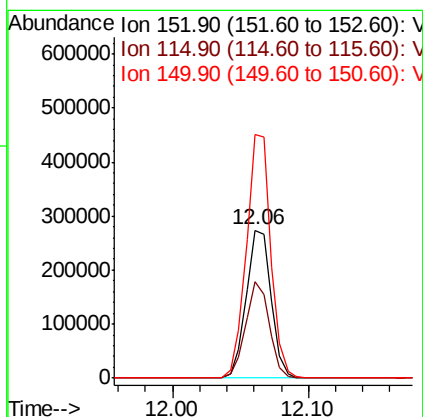
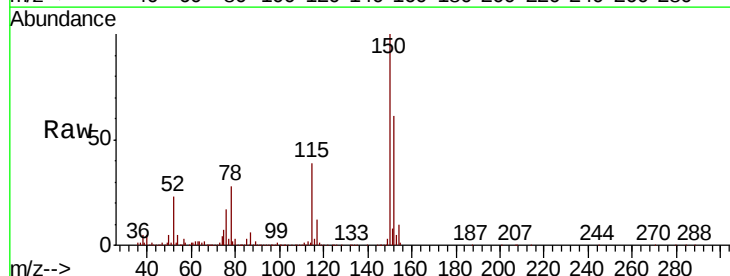
Instrument :
MSVOA_X
ClientSampleId :
FB01-20200917

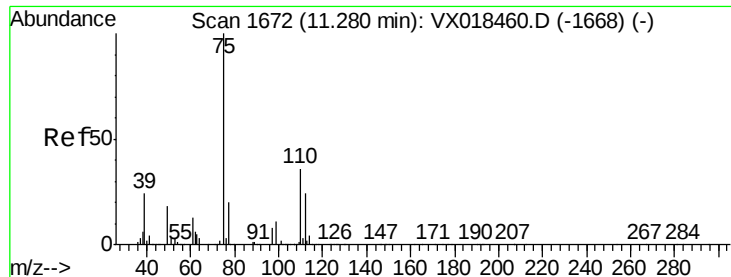
Tot Ion:117 Resp: 731416
Ion Ratio Lower Upper
117 100
82 55.6 43.3 64.9
119 34.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018563.D
Acq: 24 Sep 2020 11:47

Tgt Ion:152 Resp: 352414
Ion Ratio Lower Upper
152 100
115 61.5 41.8 125.4
150 160.7 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 24.430 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

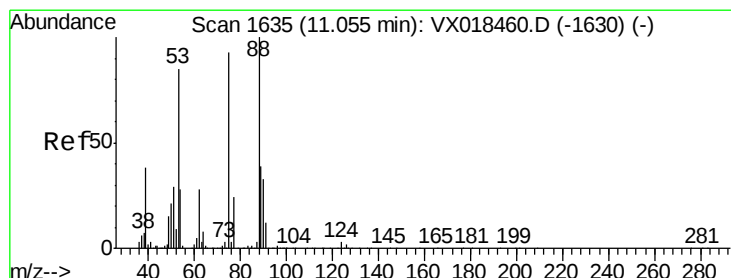
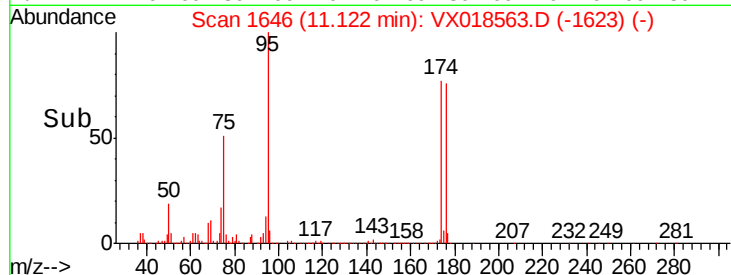
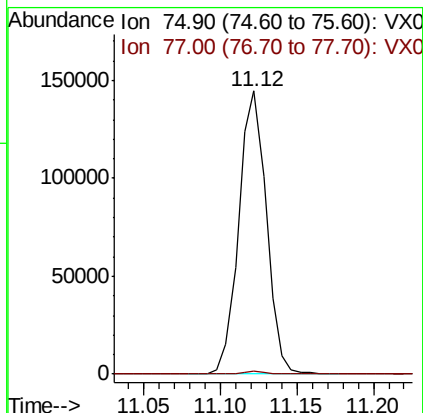
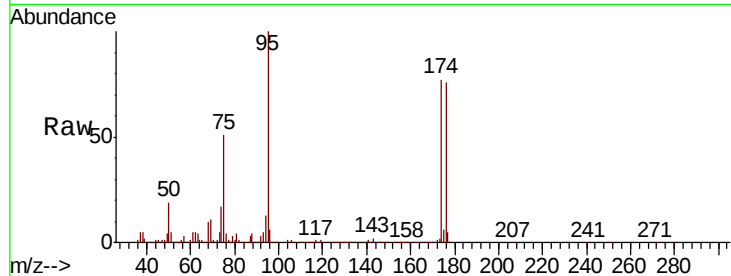
FB01-20200917

Tot Ion: 75 Resp: 180921

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.601 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018563.D

Acq: 24 Sep 2020 11:47

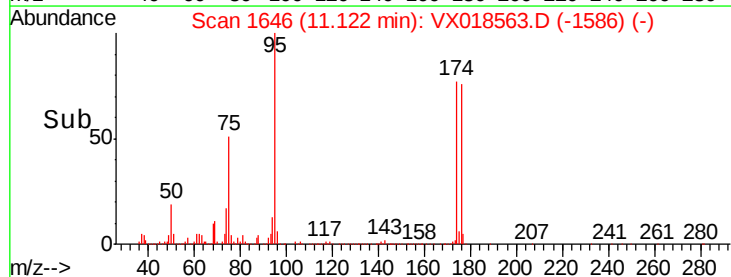
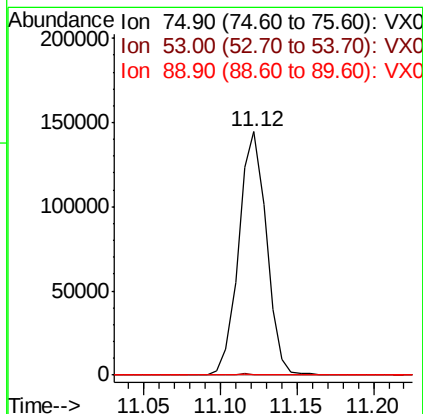
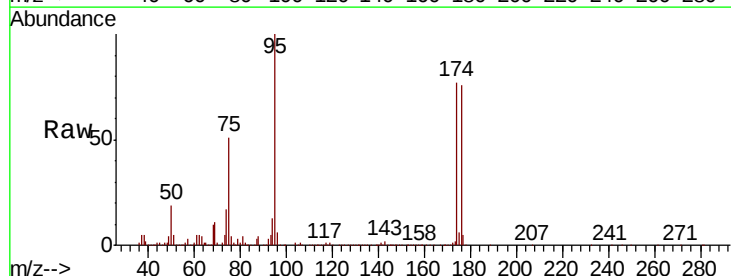
Tgt Ion: 75 Resp: 180921

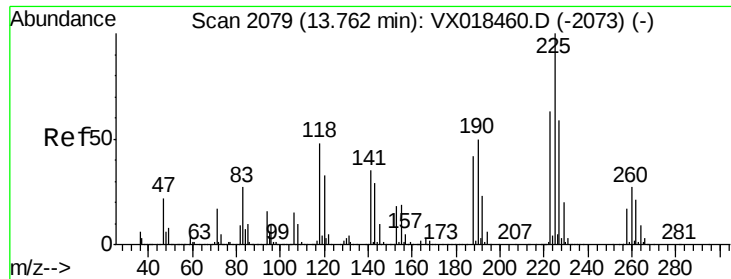
Ion Ratio Lower Upper

75 100

53 0.6 74.6 111.8#

89 0.1 36.2 54.4#





#94
 Hexachlorobutadiene
 Concen: 0.268 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX018563.D
 Acq: 24 Sep 2020 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20200917

Tot Ion	Ratio	Lower	Upper
225	100		
223	44.5	32.0	96.2
227	27.7	31.7	95.1

