

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013817.D
 Acq On : 06 Dec 2019 22:51
 Operator : JC/SP
 Sample : K6185-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20191205

Quant Time: Dec 07 02:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	630285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	964526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	832898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354533	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	341788	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	5.49	113	282933	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.71	98	1119580	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.14	95	368436	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	

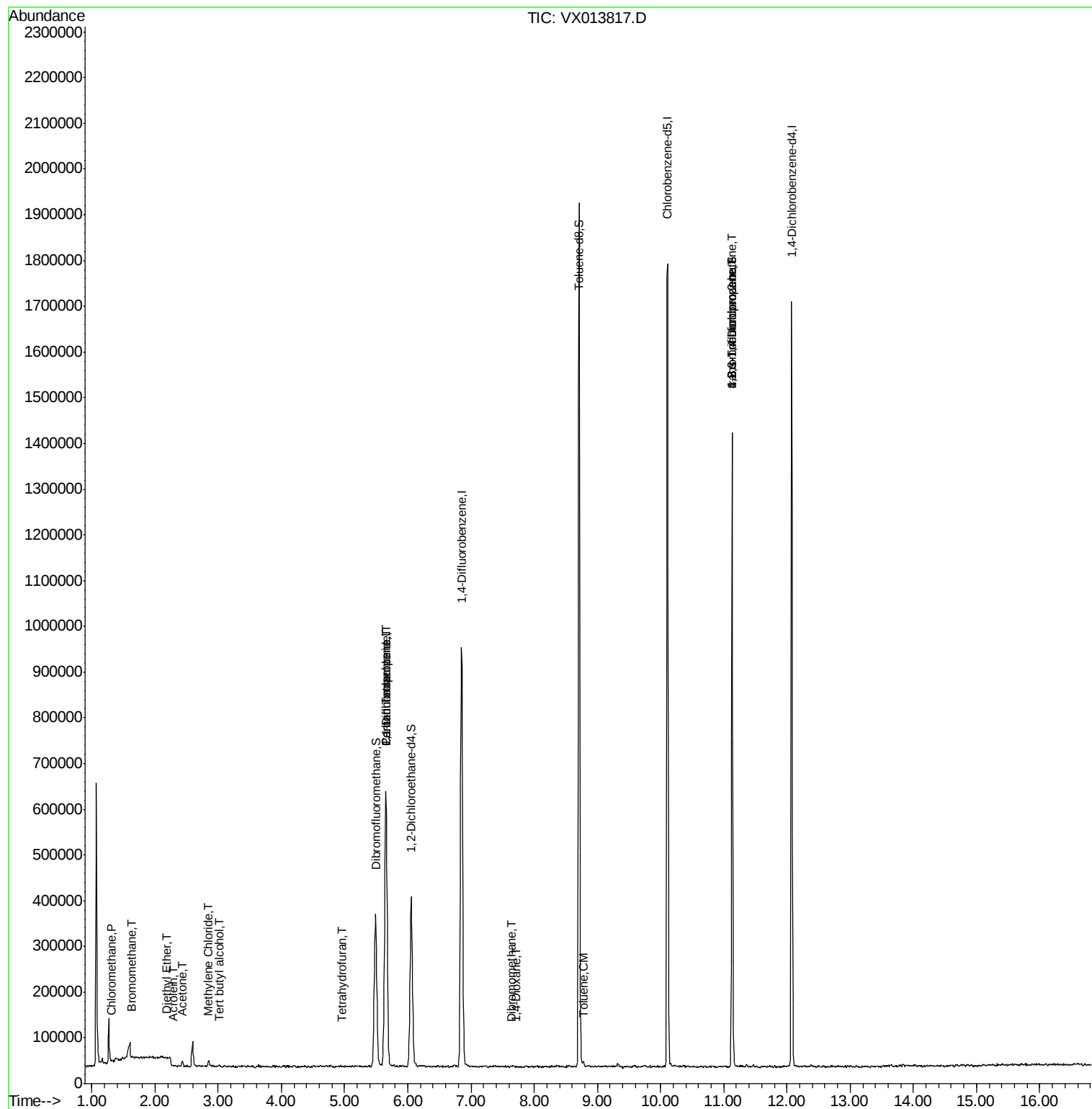
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1958	0.249	ug/l	89
5) Bromomethane	1.64	94	1847	0.310	ug/l #	80
8) Diethyl Ether	2.17	74	973	0.219	ug/l	68
11) Tert butyl alcohol	3.02	59	2819	1.561	ug/l	99
13) Acrolein	2.29	56	309	6.253	ug/l #	6
16) Acetone	2.44	43	12830	3.552	ug/l	99
20) Methylene Chloride	2.85	84	7152	1.031	ug/l	94
29) Tetrahydrofuran	4.96	42	853	0.258	ug/l	96
36) 1,1-Dichloropropene	5.65	75	40664	4.644	ug/l #	51
38) Carbon Tetrachloride	5.65	117	55260	6.845	ug/l #	15
46) Dibromomethane	7.64	93	1067	0.235	ug/l #	35
49) 1,4-Dioxane	7.72	88	420	2.388	ug/l #	5
52) Toluene	8.78	92	4326	0.261	ug/l	79
76) 1,2,3-Trichloropropane	11.13	75	182499	22.887	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	182499	62.614	ug/l #	11

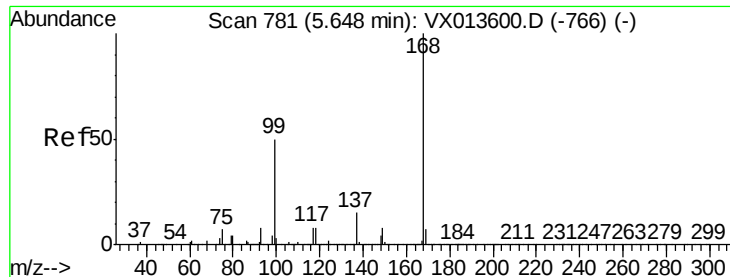
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

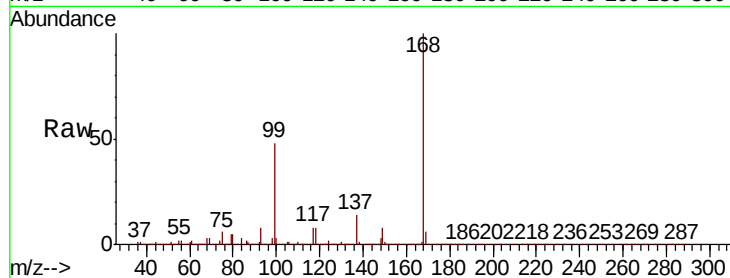
FB01-20191205

Tot Ion:168 Resp: 630285

Ion Ratio Lower Upper

168 100

99 48.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

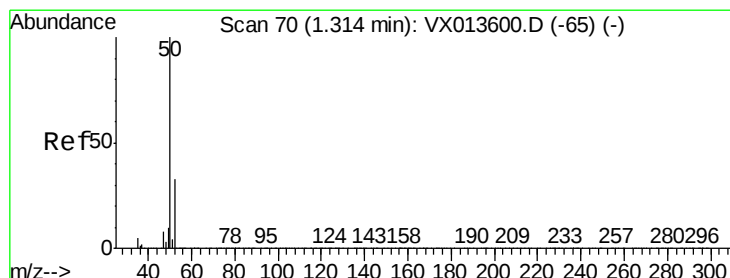
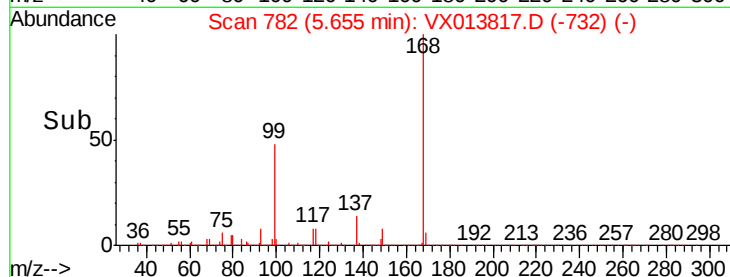
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013817.D

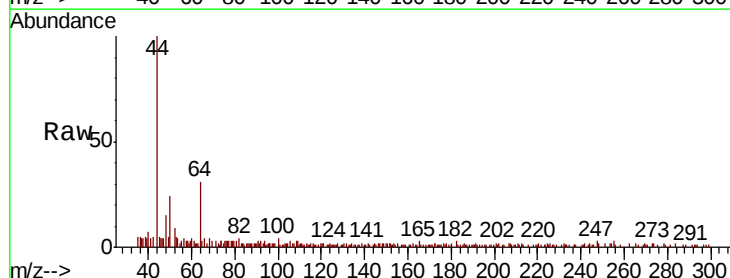
Acq: 06 Dec 2019 22:51

Tgt Ion: 50 Resp: 1958

Ion Ratio Lower Upper

50 100

52 26.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

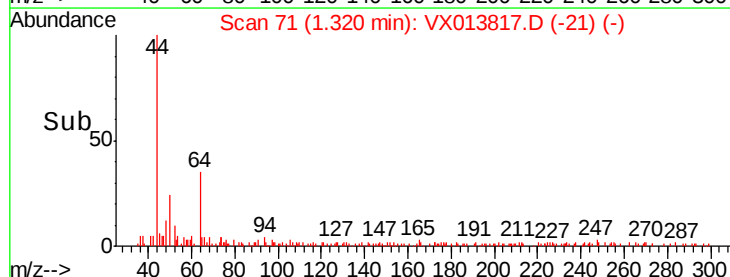
1500

1000

500

0

Time-->





#5

Bromomethane

Concen: 0.310 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

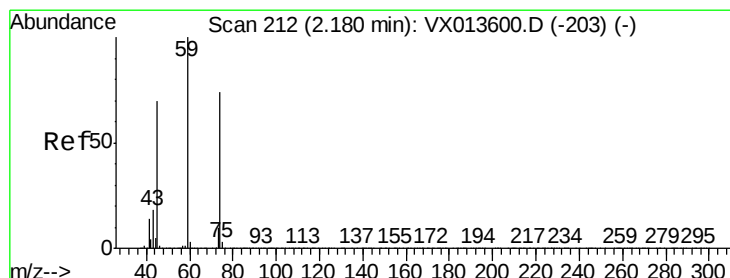
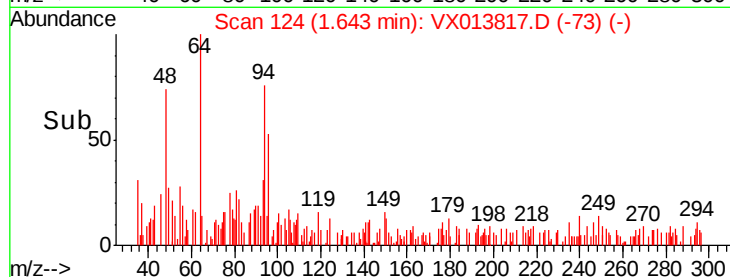
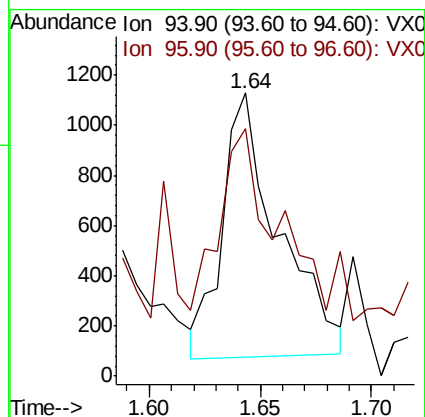
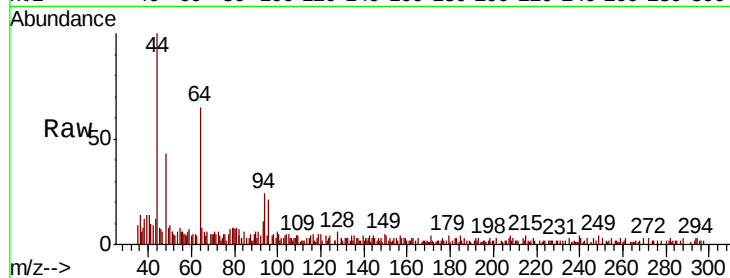
FB01-20191205

Tot Ion: 94 Resp: 1847

Ion Ratio Lower Upper

94 100

96 76.9 77.0 115.4#



#8

Diethyl Ether

Concen: 0.219 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX013817.D

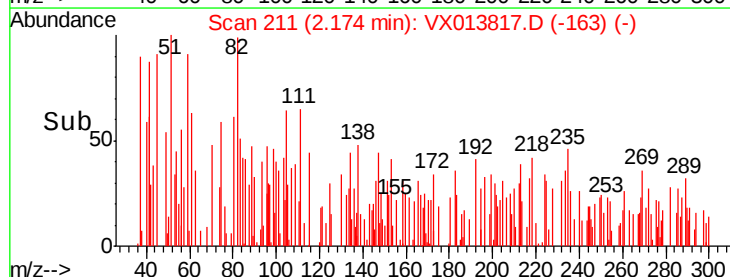
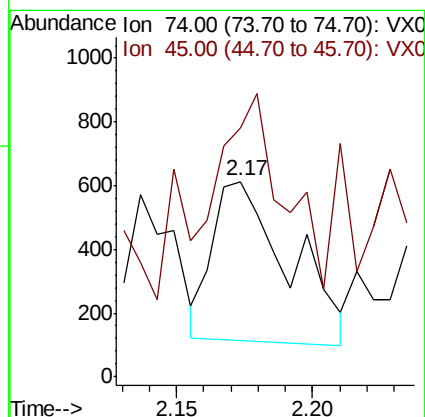
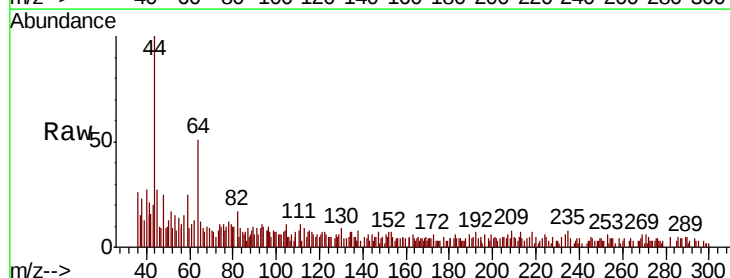
Acq: 06 Dec 2019 22:51

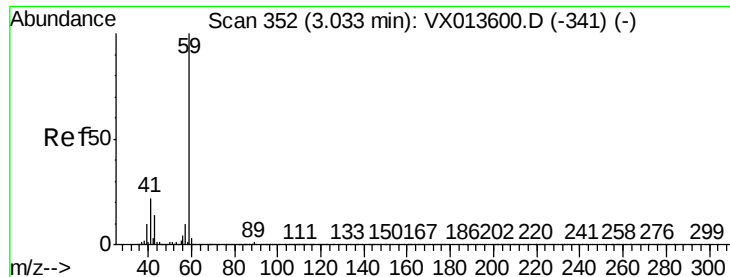
Tgt Ion: 74 Resp: 973

Ion Ratio Lower Upper

74 100

45 129.6 48.9 146.8

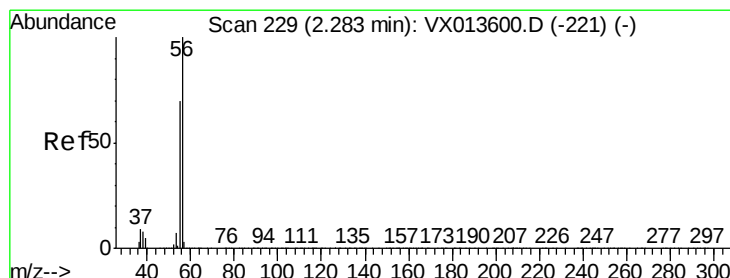
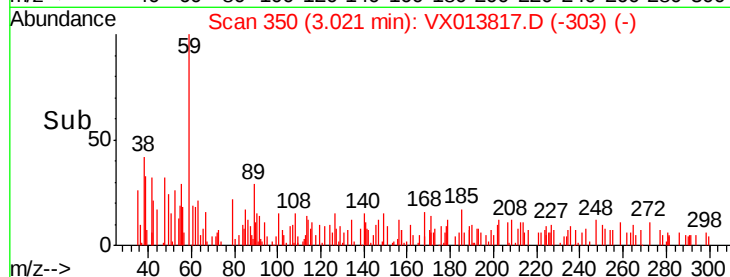
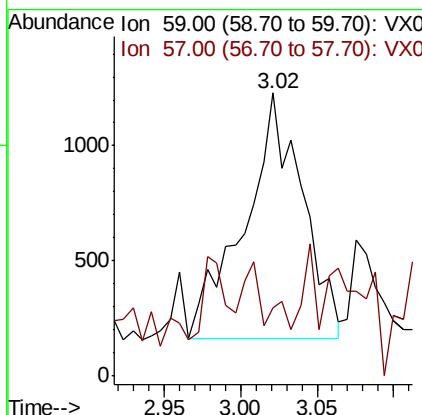
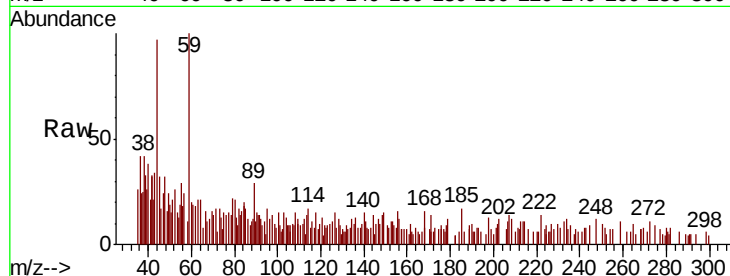




#11
Tert butyl alcohol
Concen: 1.561 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX013817.D
Acq: 06 Dec 2019 22:51

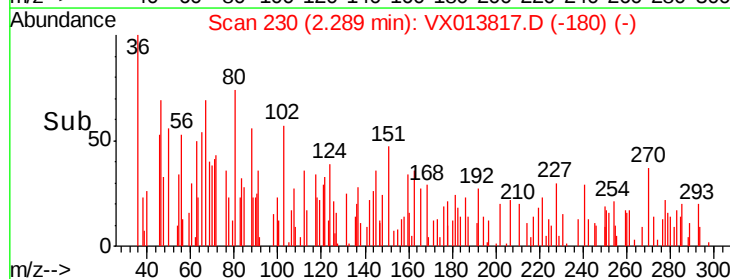
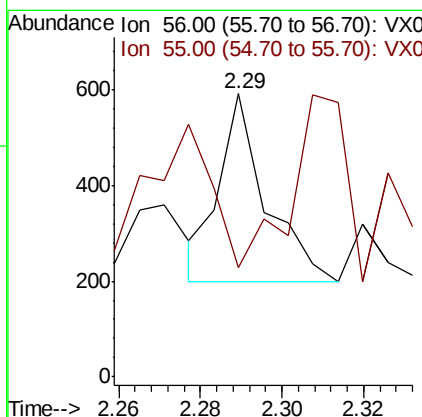
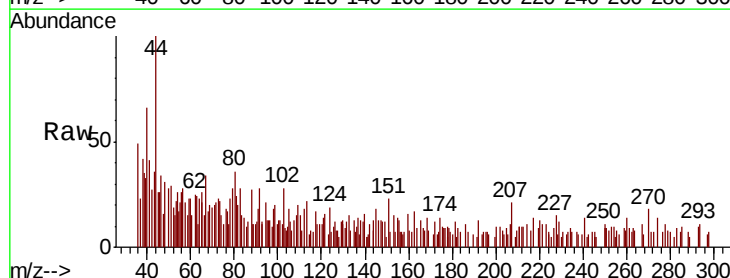
Instrument :
MSVOA_X
ClientSampled :
FB01-20191205

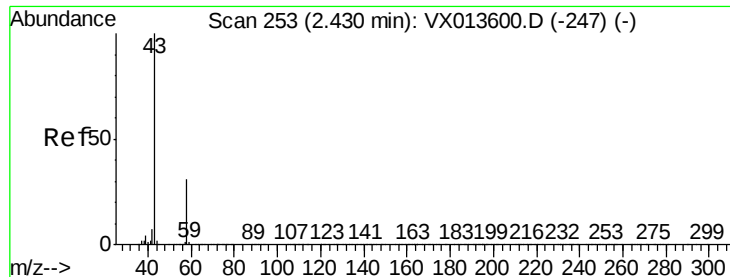
Tot Ion: 59 Resp: 2819
Ion Ratio Lower Upper
59 100
57 9.2 7.8 11.6



#13
Acrolein
Concen: 6.253 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX013817.D
Acq: 06 Dec 2019 22:51

Tgt Ion: 56 Resp: 309
Ion Ratio Lower Upper
56 100
55 147.2 56.2 84.4#

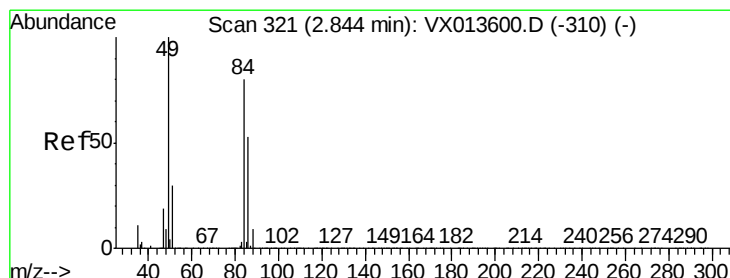
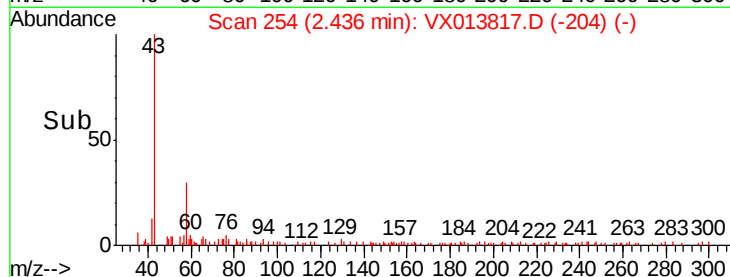
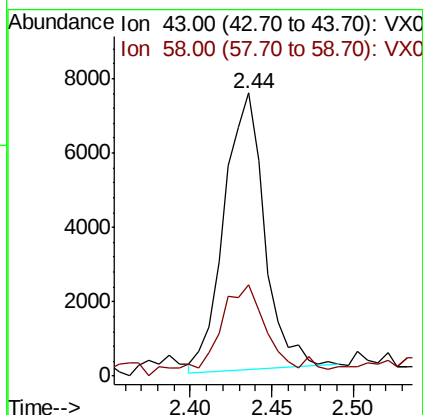
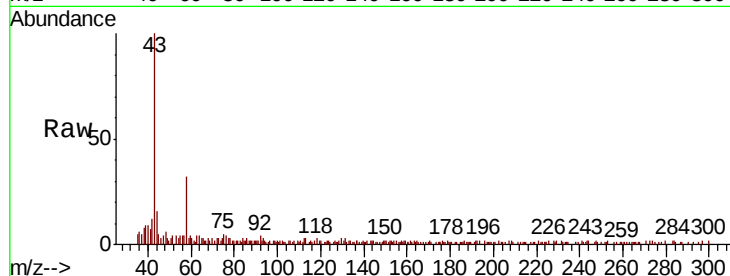




#16
Acetone
Concen: 3.552 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013817.D
Acq: 06 Dec 2019 22:51

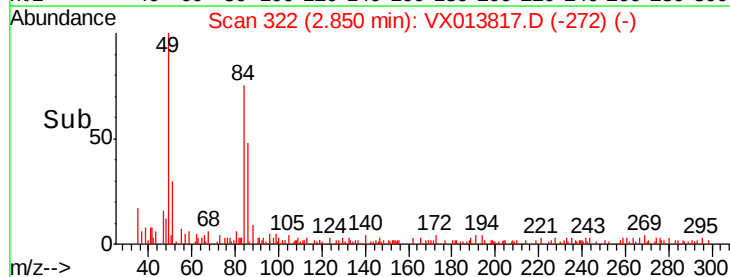
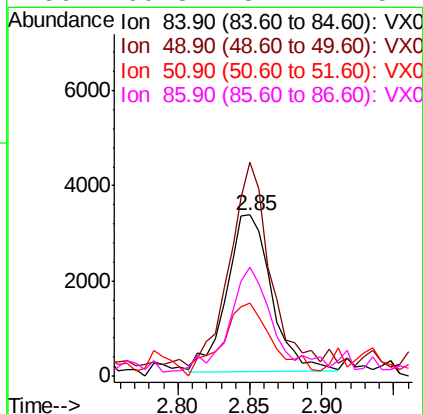
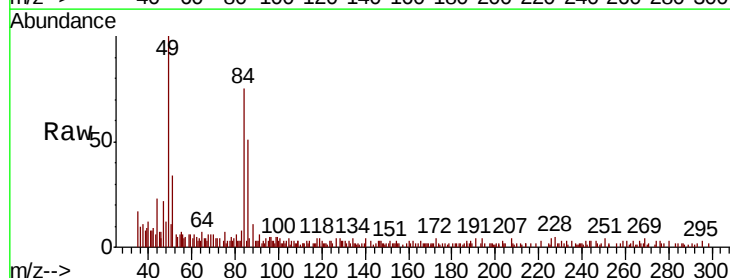
Instrument :
MSVOA_X
ClientSampleId :
FB01-20191205

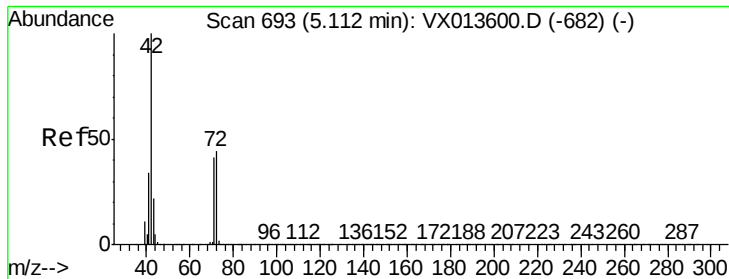
Tot Ion: 43 Resp: 12830
Ion Ratio Lower Upper
43 100
58 30.2 24.6 36.8



#20
Methylene Chloride
Concen: 1.031 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013817.D
Acq: 06 Dec 2019 22:51

Tgt Ion: 84 Resp: 7152
Ion Ratio Lower Upper
84 100
49 131.0 99.7 149.5
51 41.7 29.9 44.9
86 69.3 52.2 78.4

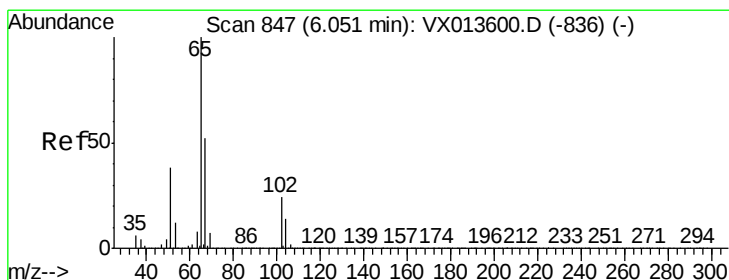
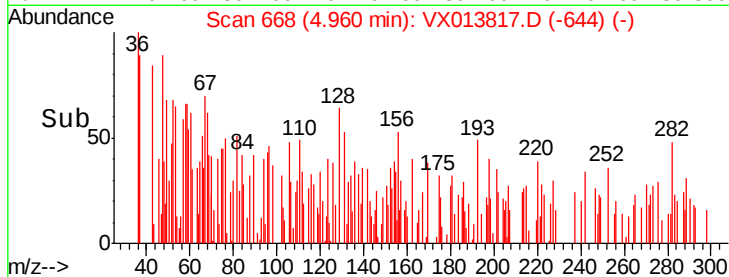
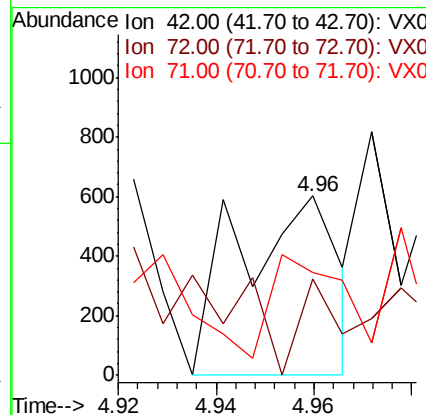
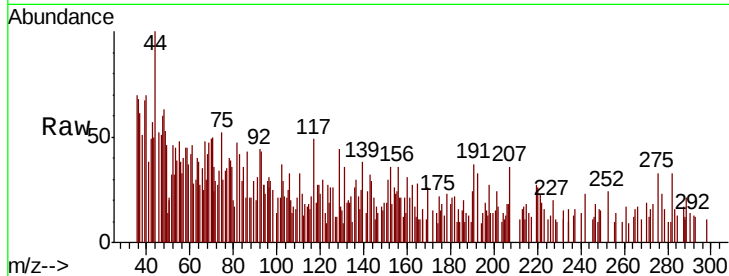




#29
Tetrahydrofuran
Concen: 0.258 ug/l
RT: 4.96 min Scan# 668
Delta R.T. -0.15 min
Lab File: VX013817.D
Acq: 06 Dec 2019 22:51

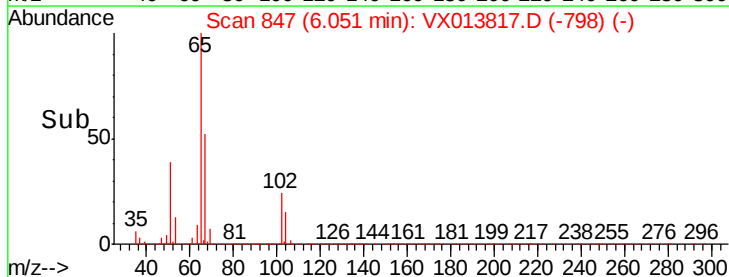
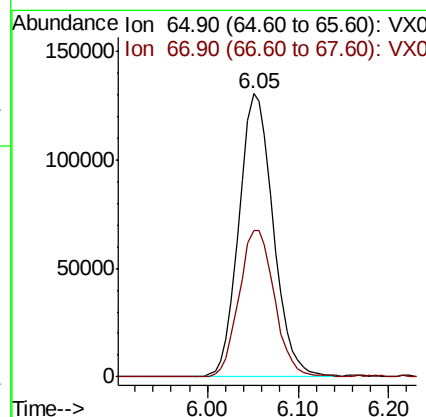
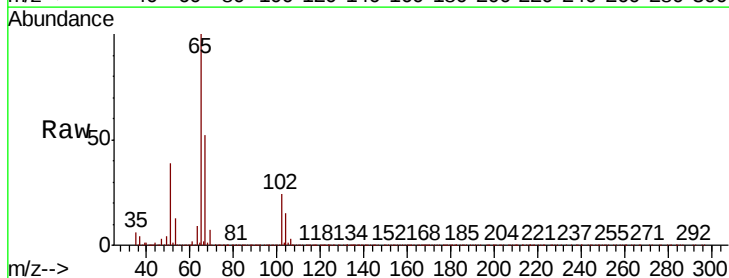
Instrument :
MSVOA_X
ClientSampled :
FB01-20191205

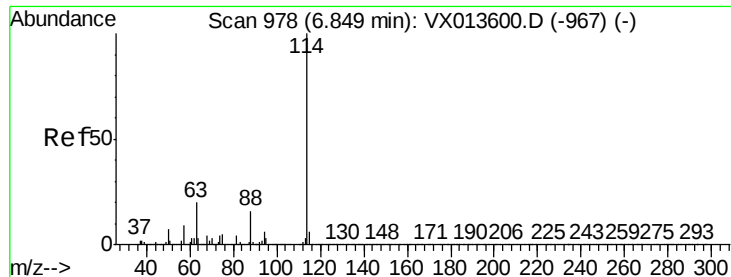
Tot Ion: 42 Resp: 853
Ion Ratio Lower Upper
42 100
72 49.5 36.3 54.5
71 40.8 33.2 49.8



#33
1,2-Dichloroethane-d4
Concen: 46.717 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013817.D
Acq: 06 Dec 2019 22:51

Tgt Ion: 65 Resp: 341788
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

FB01-20191205

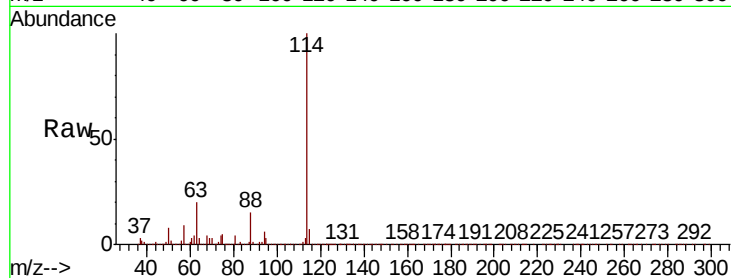
Tot Ion:114 Resp: 964526

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

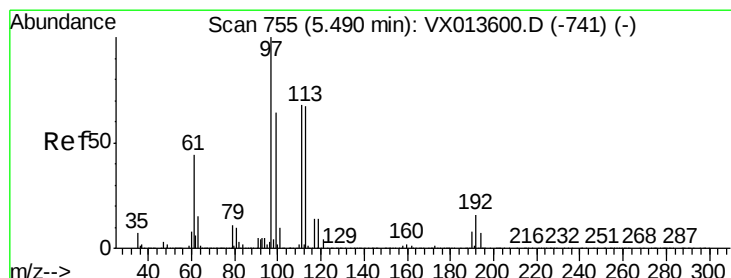
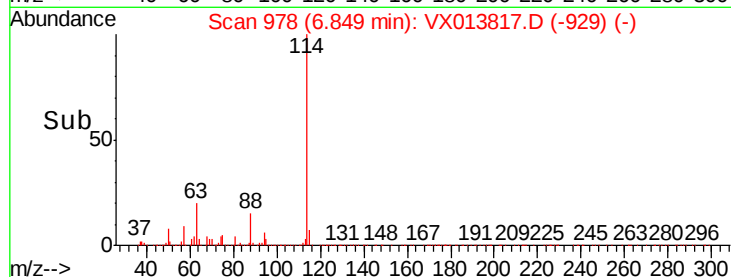
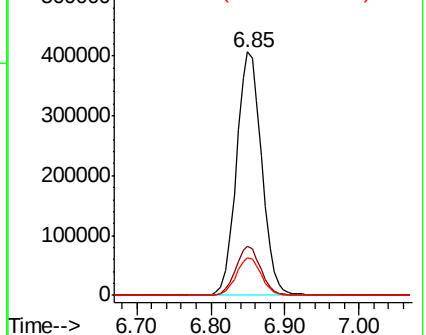
88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.450 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

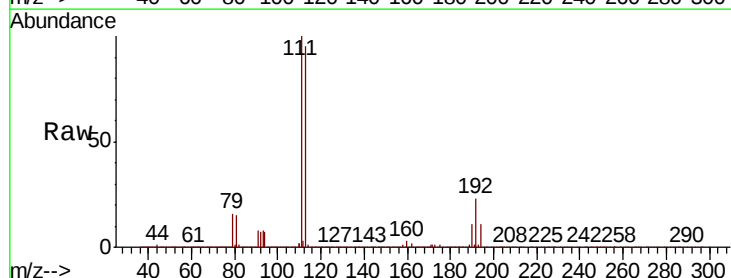
Tgt Ion:113 Resp: 282933

Ion Ratio Lower Upper

113 100

111 103.4 83.6 125.4

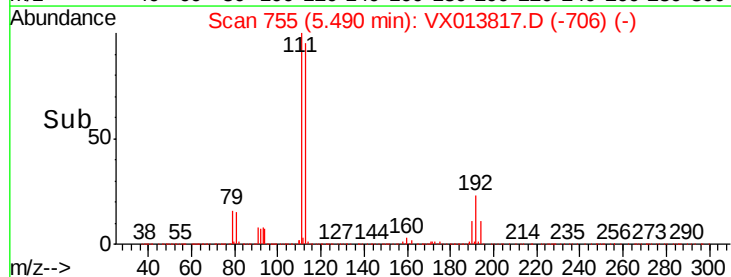
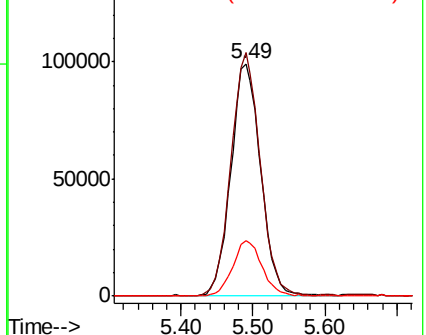
192 23.8 19.2 28.8

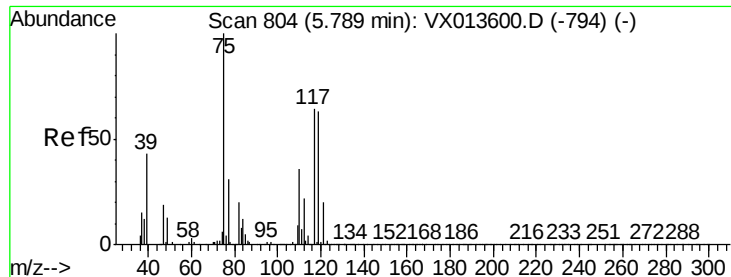


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

FB01-20191205

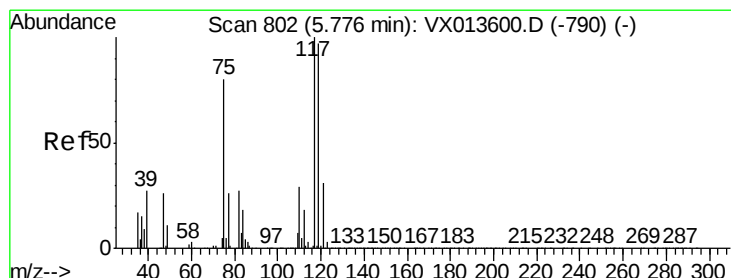
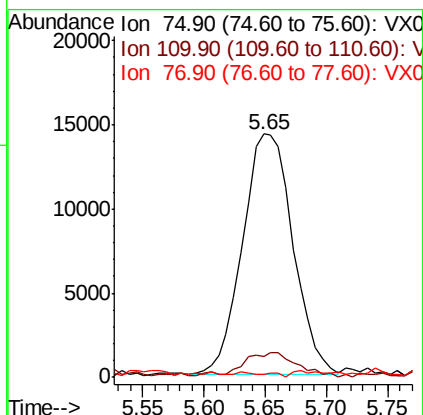
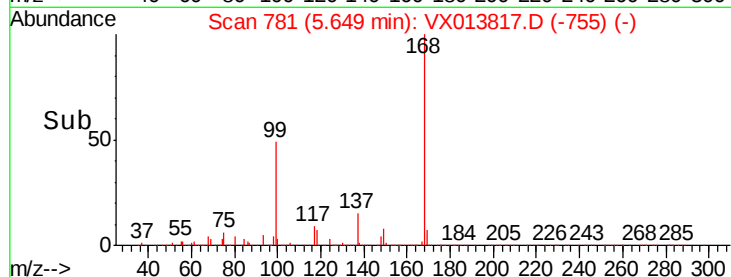
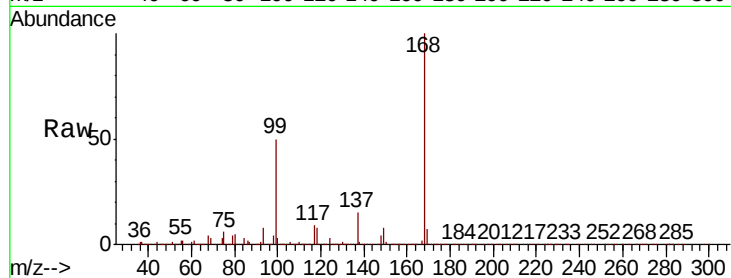
Tot Ion: 75 Resp: 40664

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.845 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

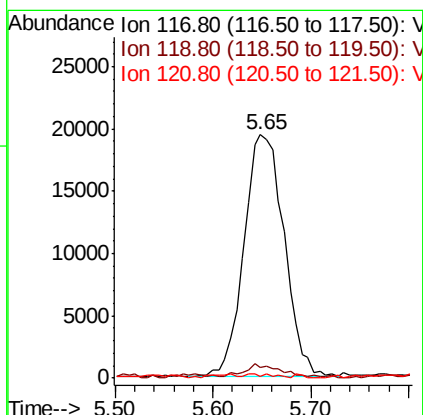
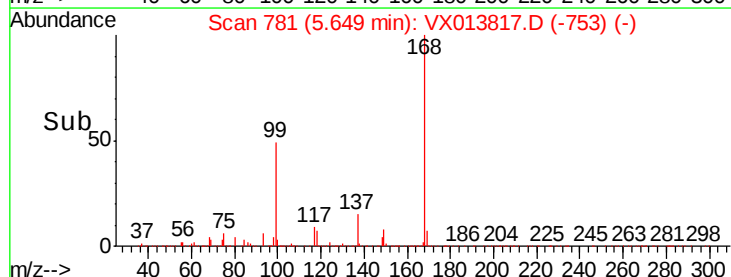
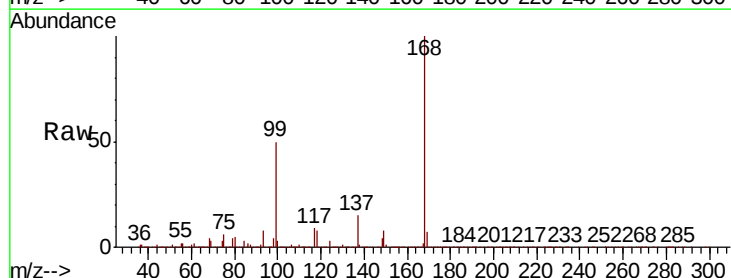
Tgt Ion: 117 Resp: 55260

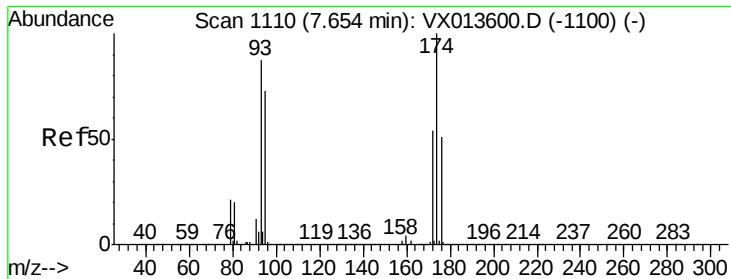
Ion Ratio Lower Upper

117 100

119 4.0 77.5 116.3#

121 0.5 25.0 37.6#





#46

Dibromomethane

Concen: 0.235 ug/l

RT: 7.64 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampled :

FB01-20191205

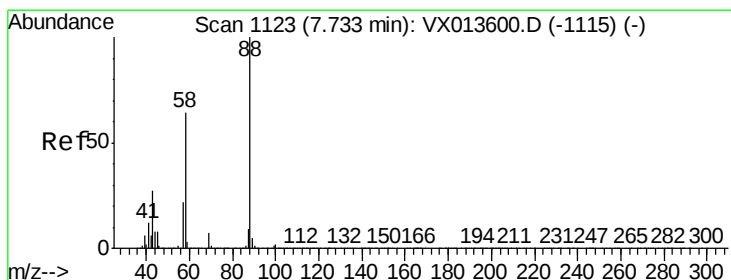
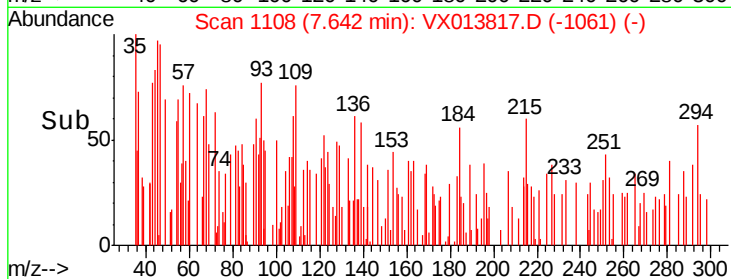
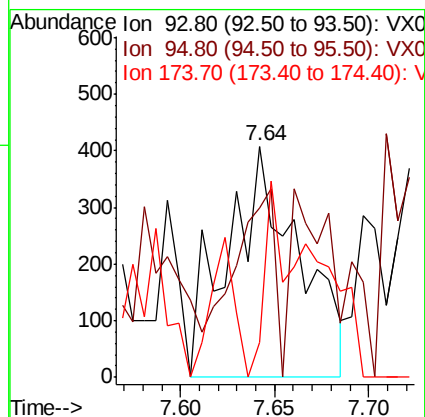
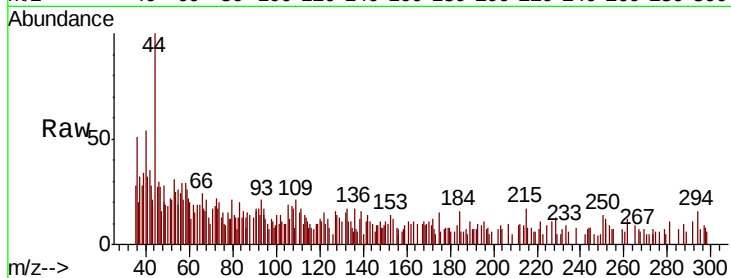
Tot Ion: 93 Resp: 1067

Ion Ratio Lower Upper

93 100

95 47.2 66.2 99.2#

174 26.4 93.4 140.0#



#49

1,4-Dioxane

Concen: 2.388 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

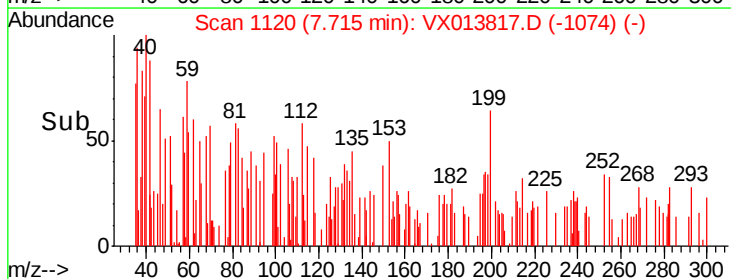
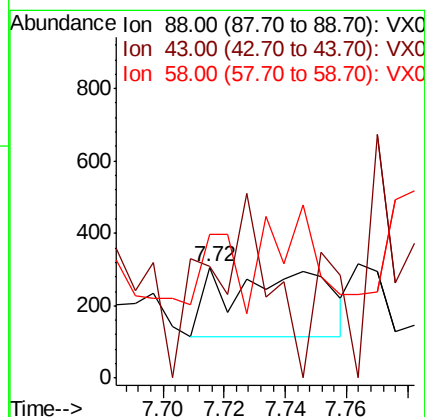
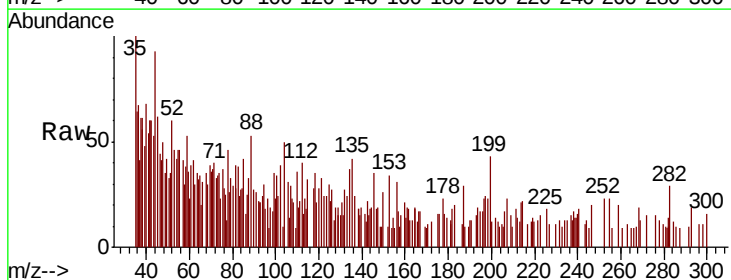
Tgt Ion: 88 Resp: 420

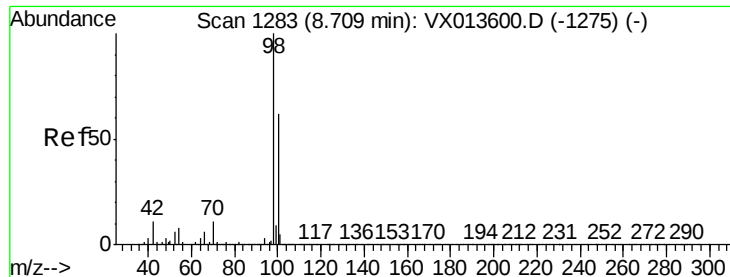
Ion Ratio Lower Upper

88 100

43 163.1 25.8 38.6#

58 44.0 54.6 82.0#





#50

Toluene-d8

Concen: 48.192 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

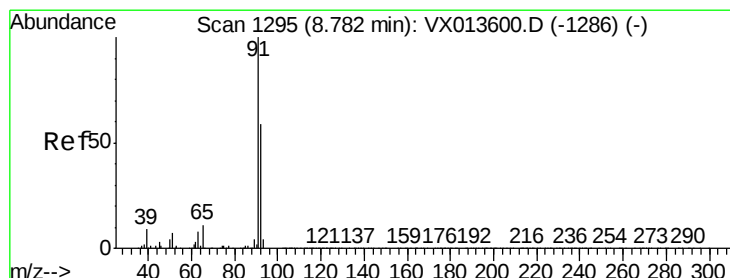
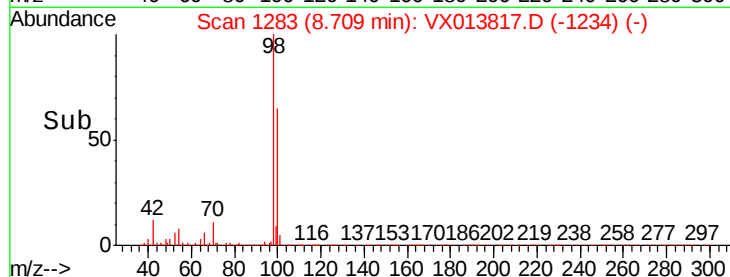
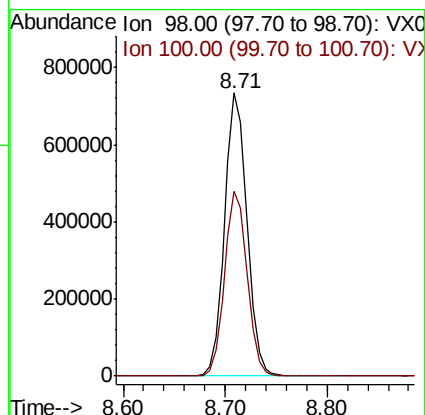
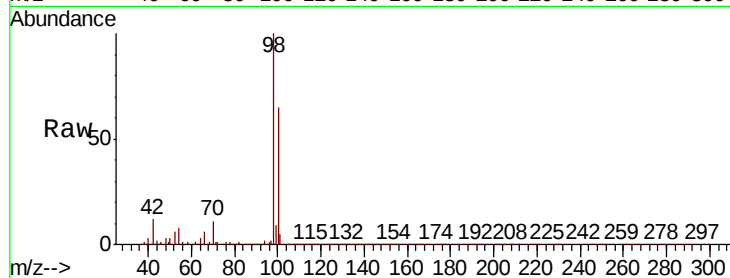
FB01-20191205

Tot Ion: 98 Resp: 1119580

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#52

Toluene

Concen: 0.261 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013817.D

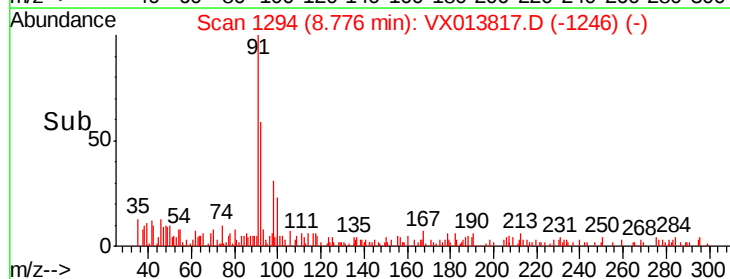
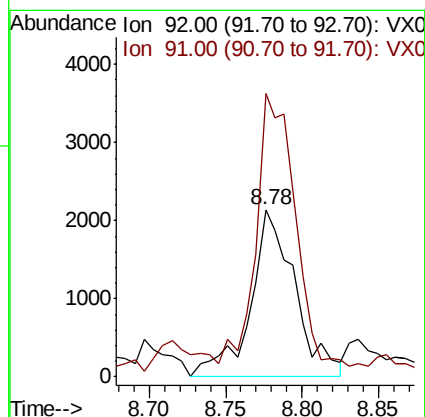
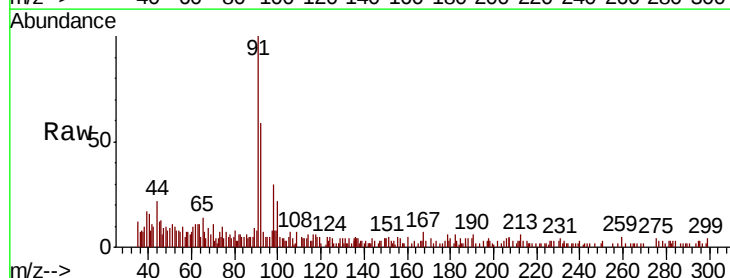
Acq: 06 Dec 2019 22:51

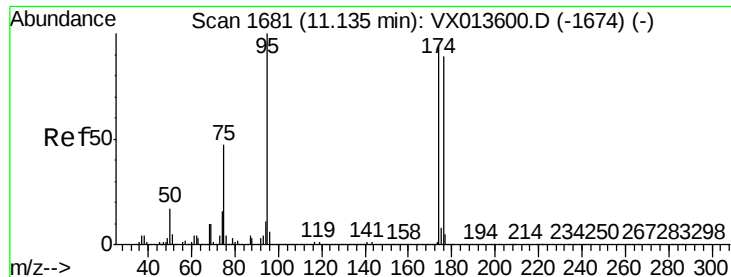
Tgt Ion: 92 Resp: 4326

Ion Ratio Lower Upper

92 100

91 141.7 136.2 204.2





#62

4-Bromofluorobenzene

Concen: 43.979 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

FB01-20191205

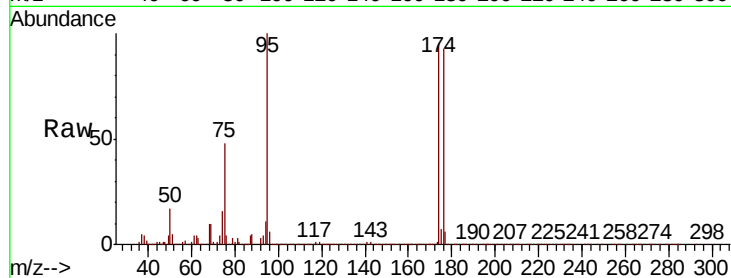
Tot Ion: 95 Resp: 368436

Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

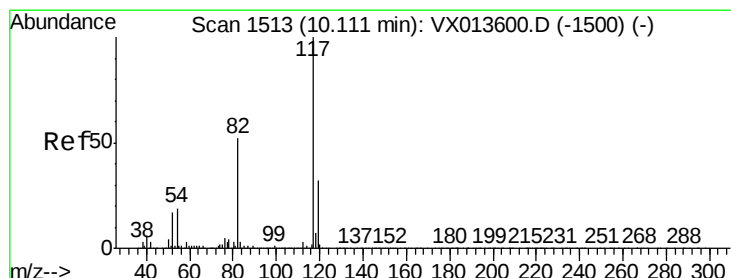
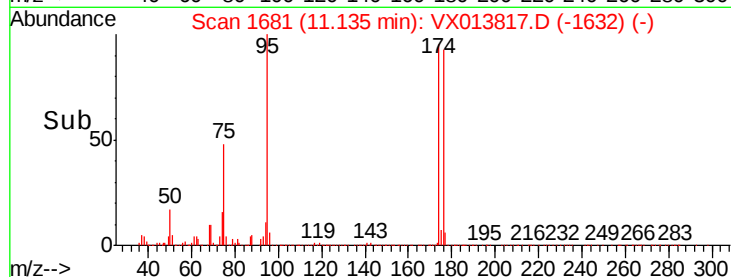
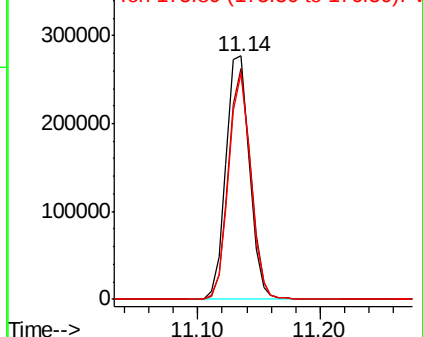
176 87.2 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX013817.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013817.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013817.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

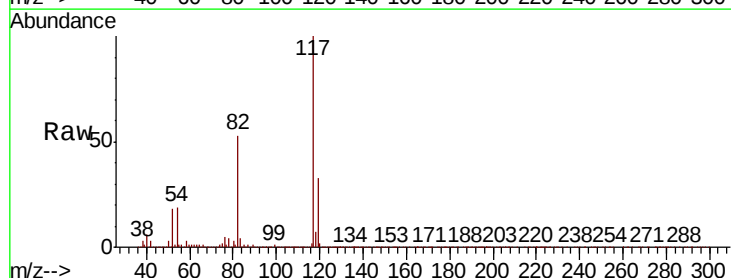
Tgt Ion: 117 Resp: 832898

Ion Ratio Lower Upper

117 100

82 53.5 41.8 62.8

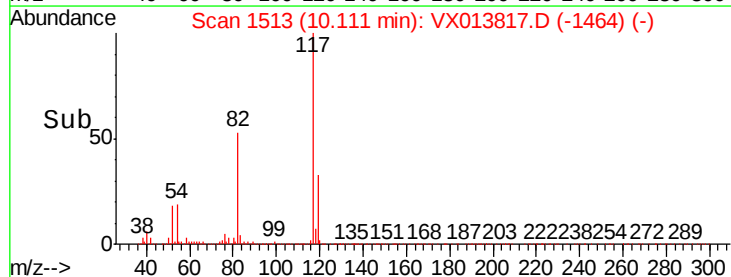
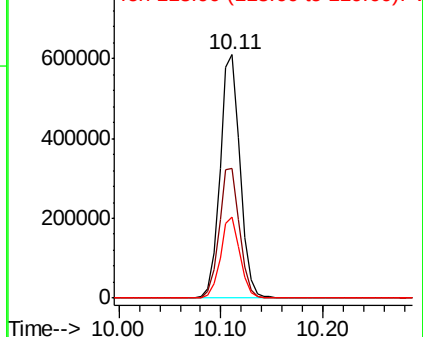
119 33.1 25.8 38.8

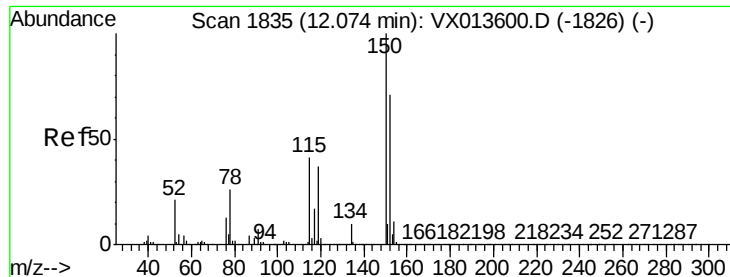


Abundance Ion 116.90 (116.60 to 117.60): VX013817.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013817.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013817.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

FB01-20191205

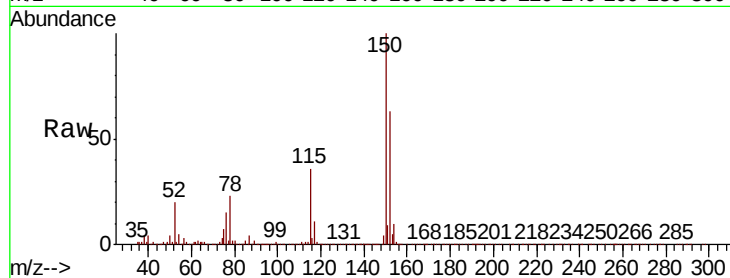
Tot Ion:152 Resp: 354533

Ion Ratio Lower Upper

152 100

115 55.5 38.4 115.1

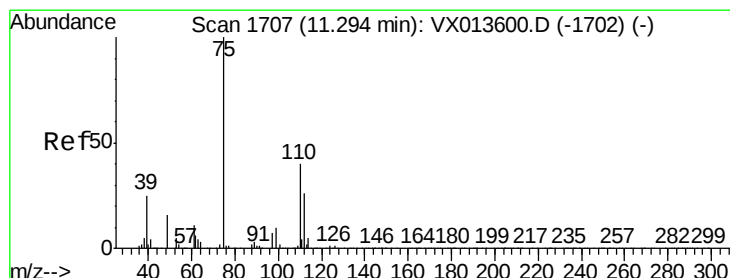
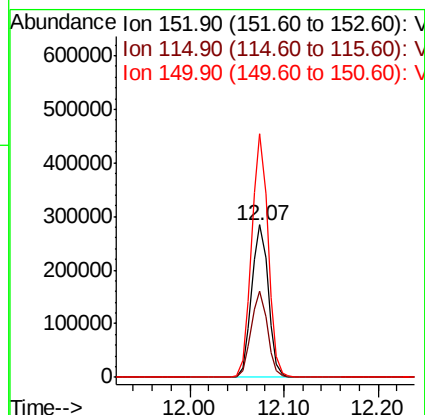
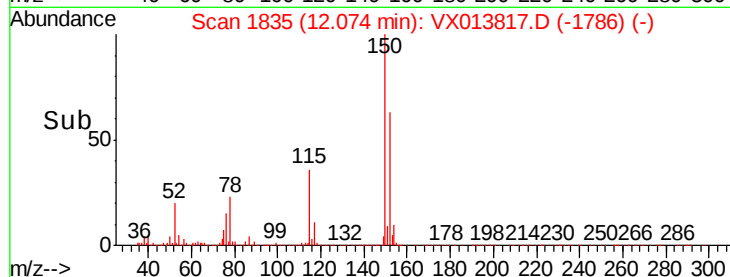
150 157.2 0.0 346.8



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: 22.887 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013817.D

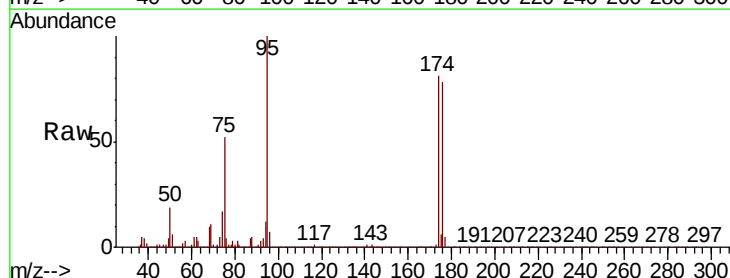
Acq: 06 Dec 2019 22:51

Tgt Ion: 75 Resp: 182499

Ion Ratio Lower Upper

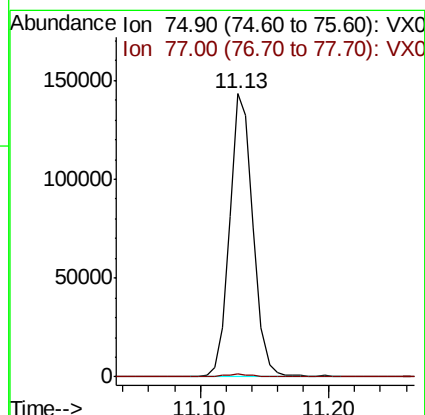
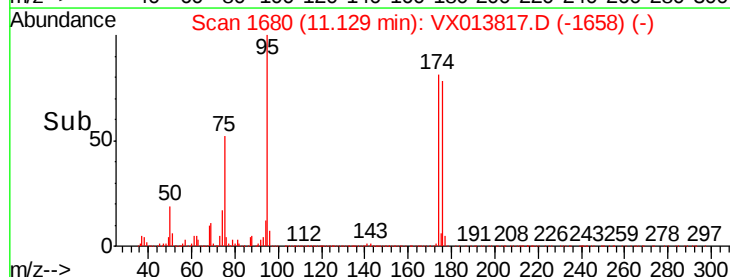
75 100

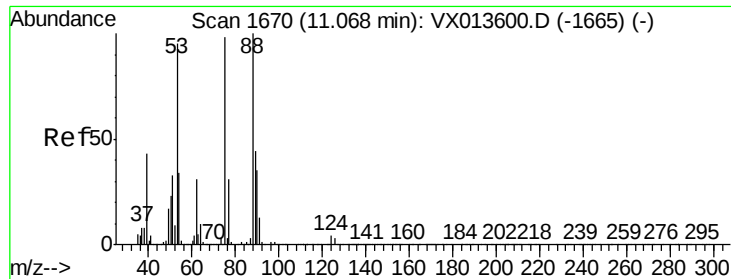
77 1.2 19.1 57.5#



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: 62.614 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013817.D

Acq: 06 Dec 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

FB01-20191205

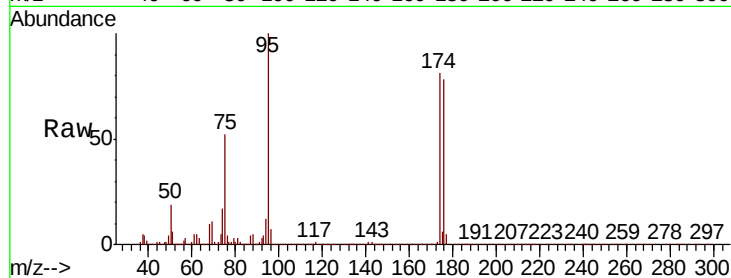
Tot Ion: 75 Resp: 182499

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 35.4 53.2#



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

