

Data File : VX013890.D
Acq On : 10 Dec 2019 12:01
Operator : JC/SP
Sample : K6185-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB01-20191205

Quant Time: Dec 11 02:20:58 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	604973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	926441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	824130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	356731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	337614	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	5.49	113	277918	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.71	98	1095732	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.14	95	364635	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds

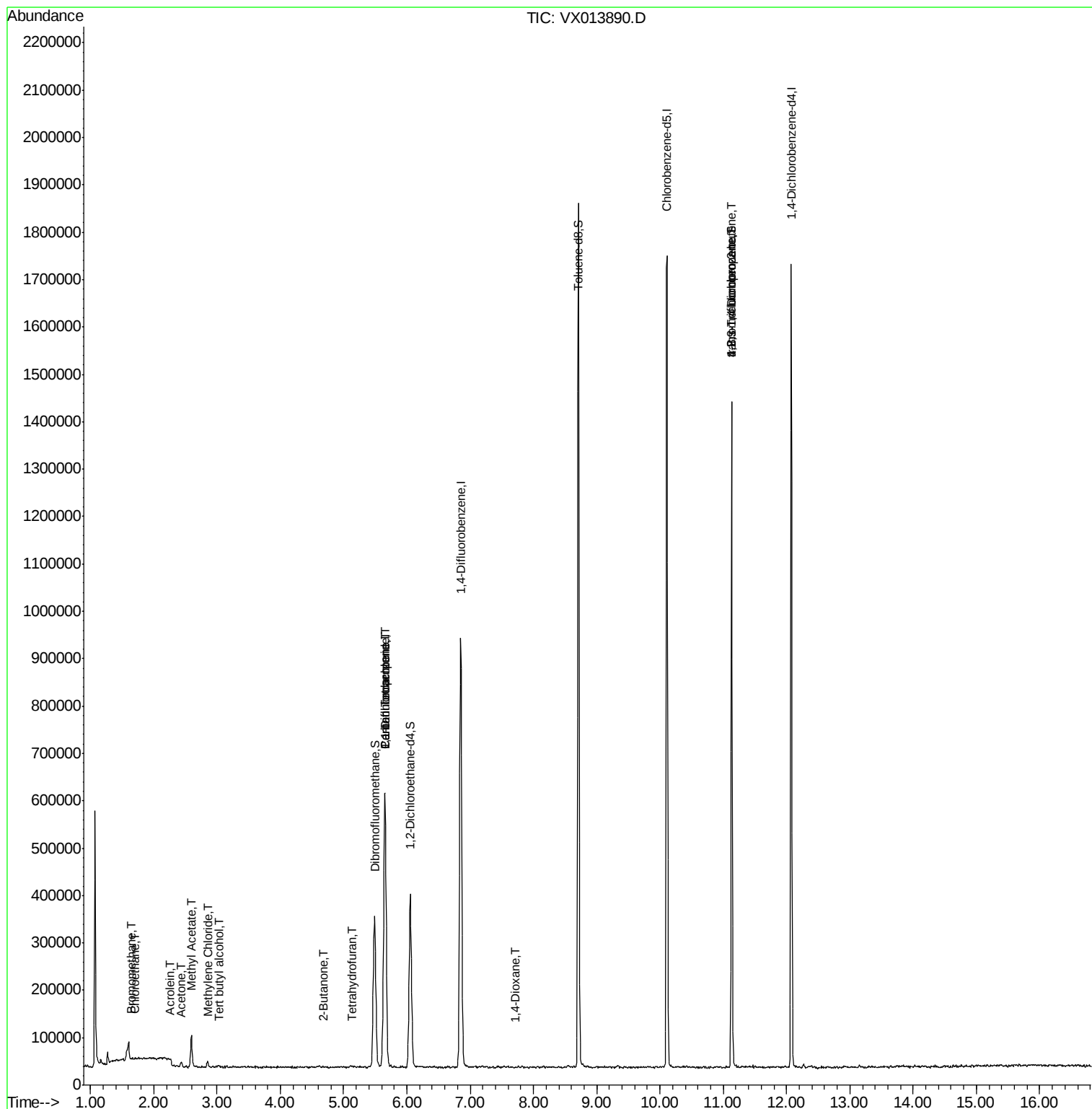
						Qvalue
5) Bromomethane	1.65	94	1225	0.214	ug/l #	56
6) Chloroethane	1.70	64	1063	0.220	ug/l #	52
11) Tert butyl alcohol	3.03	59	4131	2.383	ug/l	96
13) Acrolein	2.27	56	585	6.496	ug/l #	77
16) Acetone	2.44	43	13127	3.786	ug/l	96
18) Methyl Acetate	2.59	43	20750	2.149	ug/l #	53
20) Methylene Chloride	2.85	84	7312	1.098	ug/l #	84
25) 2-Butanone	4.67	43	1579	0.306	ug/l	97
29) Tetrahydrofuran	5.14	42	1100	0.346	ug/l #	75
36) 1,1-Dichloropropene	5.65	75	39770	4.729	ug/l #	52
38) Carbon Tetrachloride	5.65	117	55157	7.113	ug/l #	15
49) 1,4-Dioxane	7.72	88	338	2.001	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	178269	22.218	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	178269	60.785	ug/l #	11

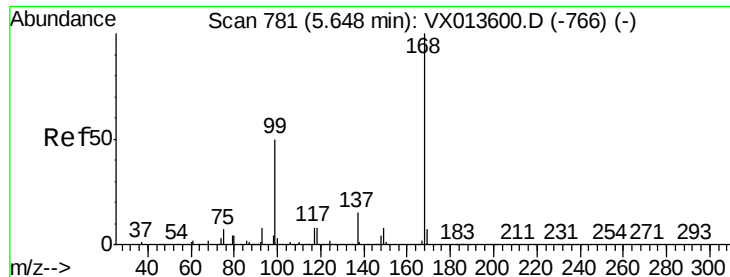
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

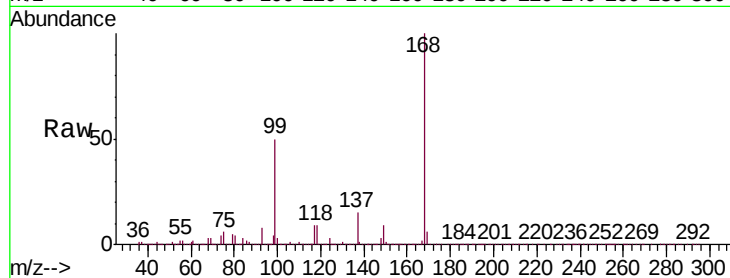
FB01-20191205

Tgt Ion: 168 Resp: 604973

Ion Ratio Lower Upper

168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

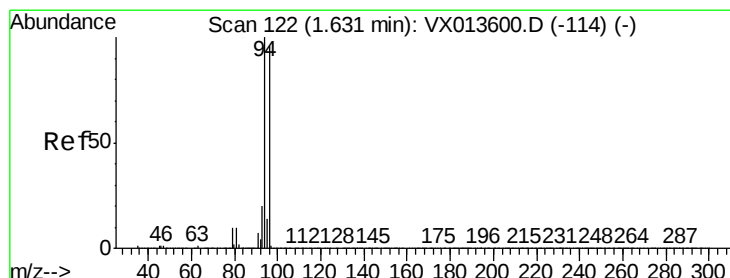
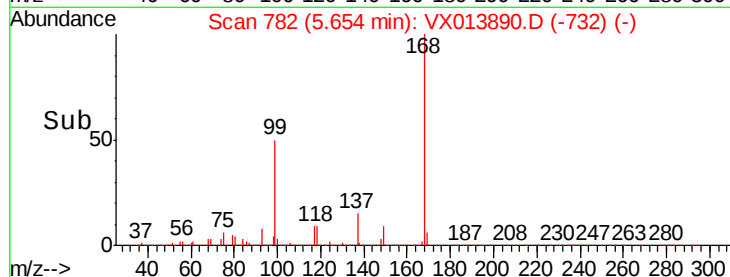
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.214 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013890.D

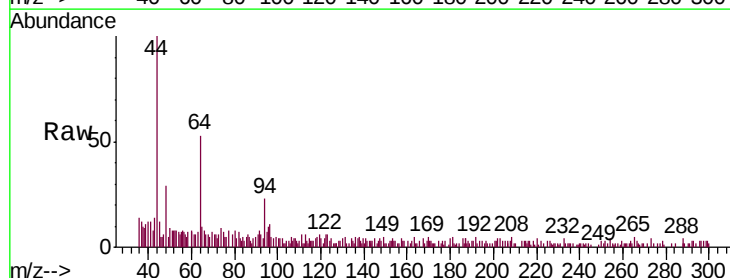
Acq: 10 Dec 2019 12:01

Tgt Ion: 94 Resp: 1225

Ion Ratio Lower Upper

94 100

96 52.9 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

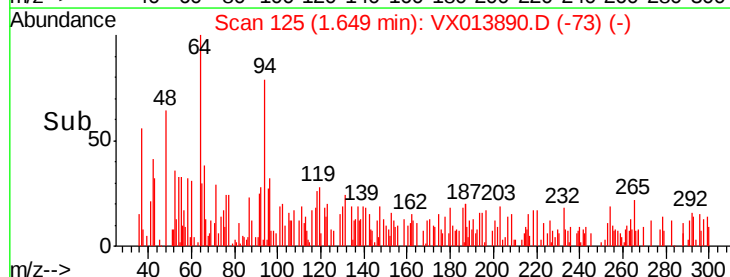
400

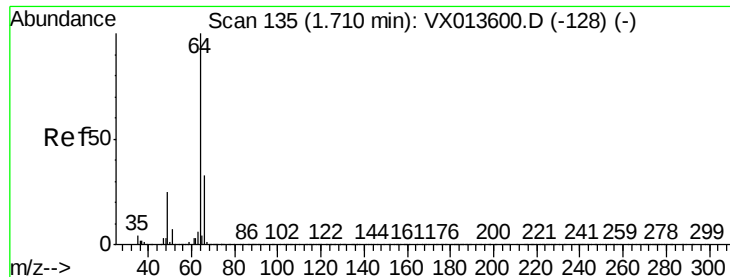
200

0

1.62 1.64 1.66

Time-->





#6

Chloroethane

Concen: 0.220 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

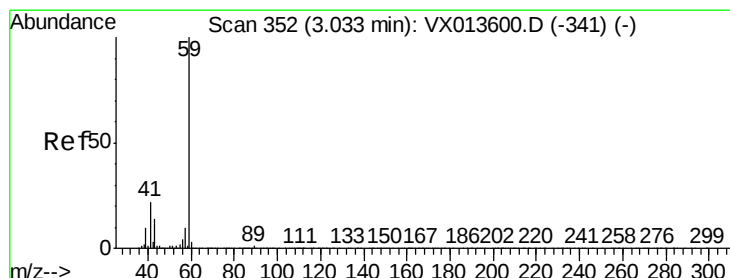
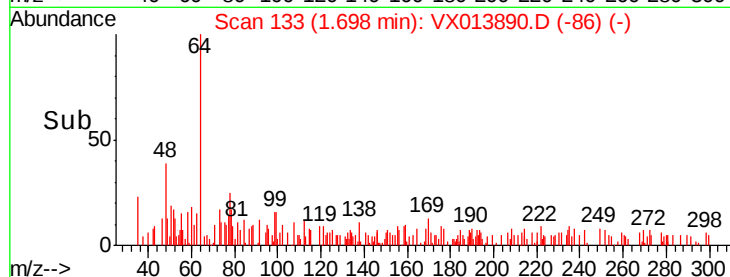
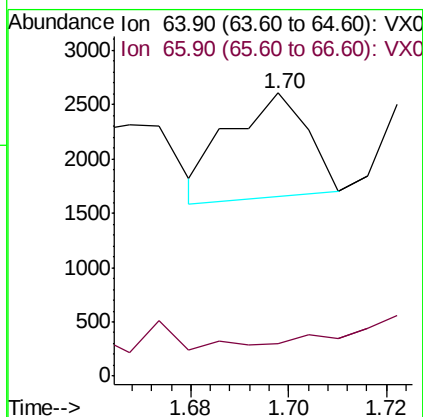
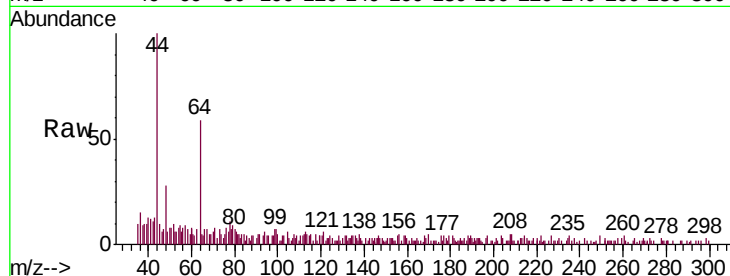
FB01-20191205

Tgt Ion: 64 Resp: 1063

Ion Ratio Lower Upper

64 100

66 6.3 26.7 40.1#



#11

Tert butyl alcohol

Concen: 2.383 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX013890.D

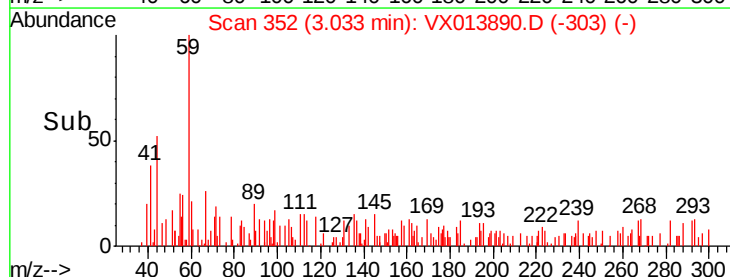
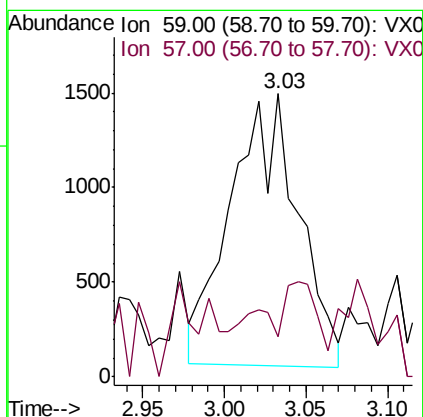
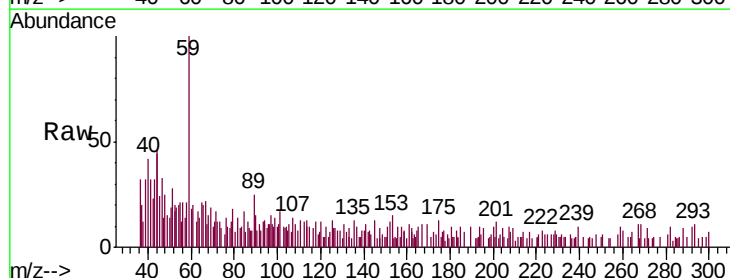
Acq: 10 Dec 2019 12:01

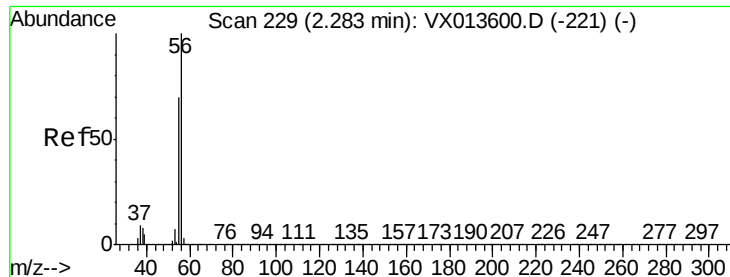
Tgt Ion: 59 Resp: 4131

Ion Ratio Lower Upper

59 100

57 11.2 7.8 11.6

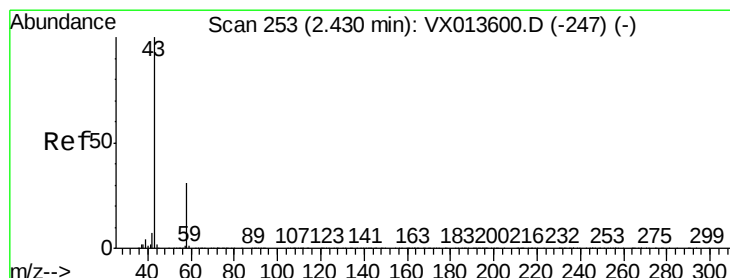
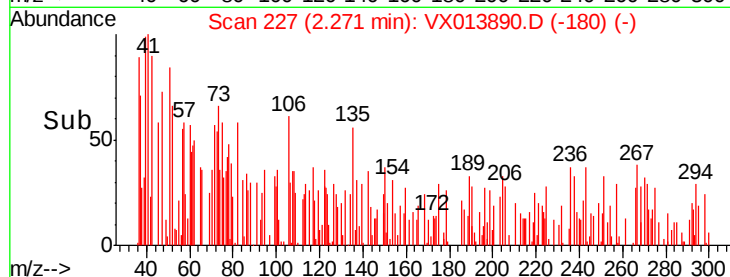
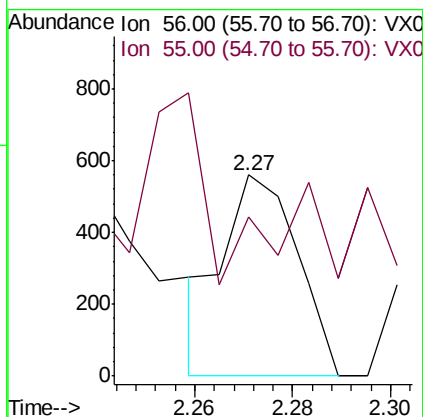
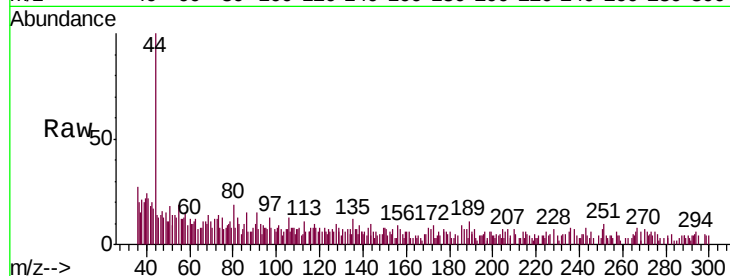




#13
Acrolein
Concen: 6.496 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013890.D
Acq: 10 Dec 2019 12:01

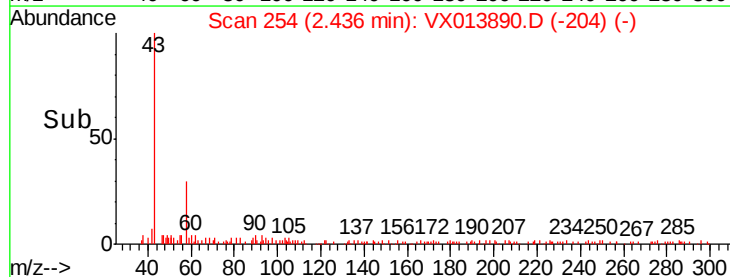
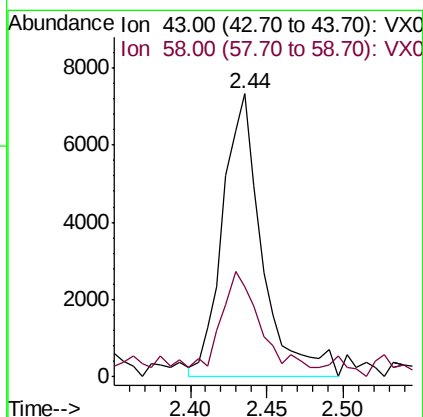
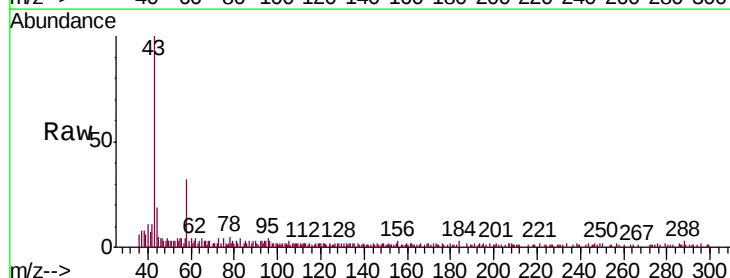
Instrument :
MSVOA_X
ClientSampleID :
FB01-20191205

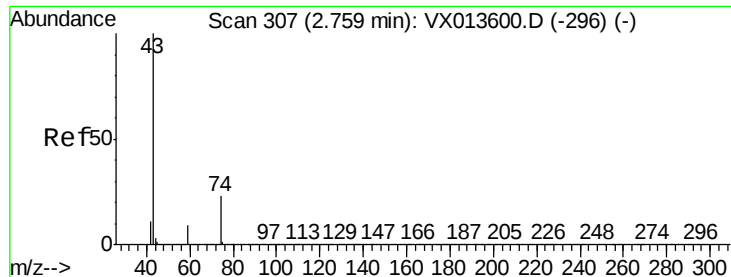
Tgt Ion: 56 Resp: 585
Ion Ratio Lower Upper
56 100
55 88.9 56.2 84.4#



#16
Acetone
Concen: 3.786 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013890.D
Acq: 10 Dec 2019 12:01

Tgt Ion: 43 Resp: 13127
Ion Ratio Lower Upper
43 100
58 28.5 24.6 36.8

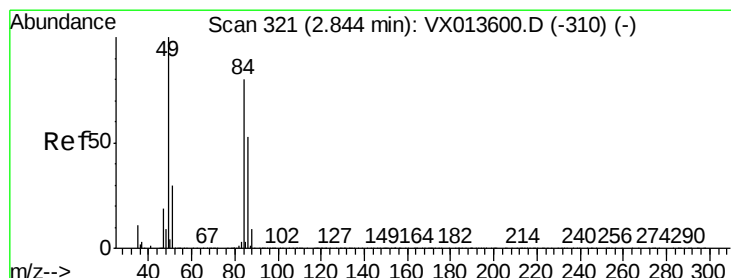
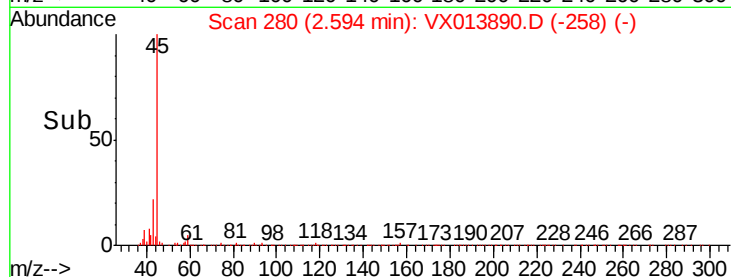
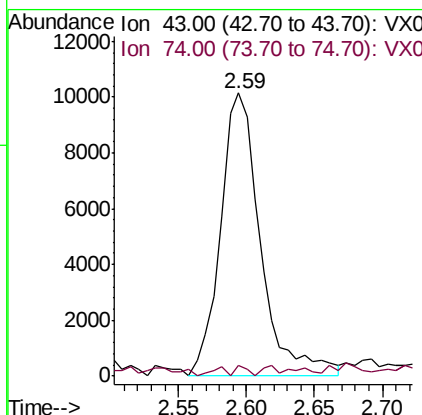
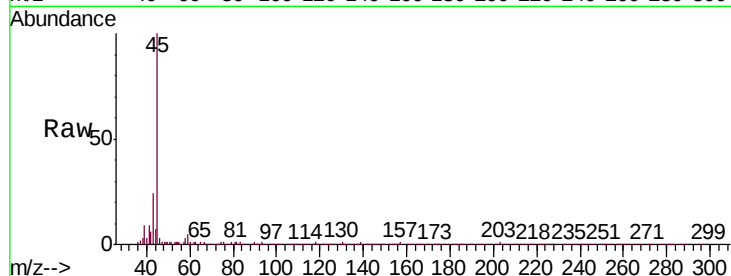




#18
Methyl Acetate
Concen: 2.149 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.16 min
Lab File: VX013890.D
Acq: 10 Dec 2019 12:01

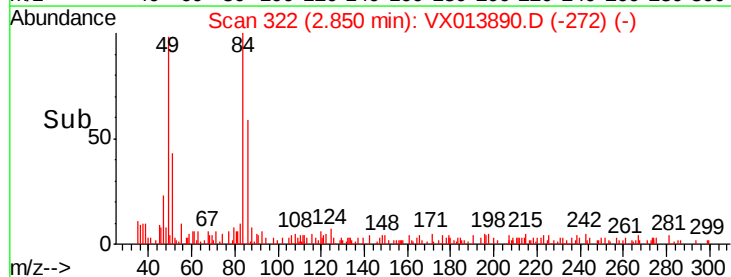
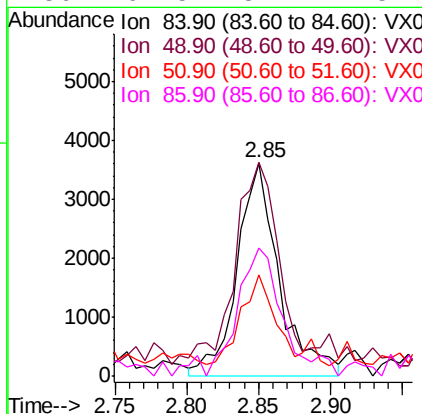
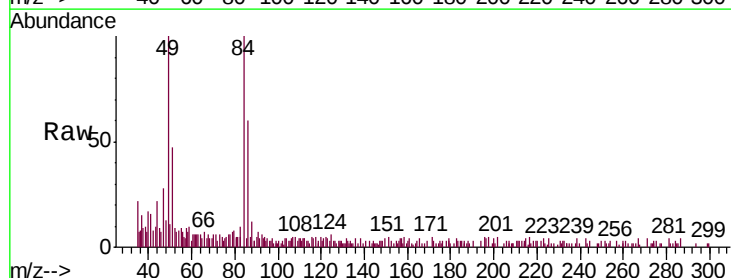
Instrument :
MSVOA_X
ClientSampleId :
FB01-20191205

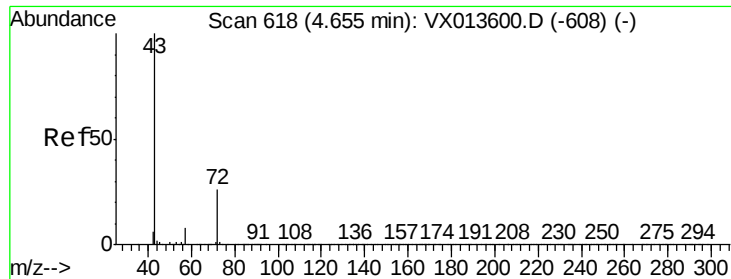
Tgt Ion: 43 Resp: 20750
Ion Ratio Lower Upper
43 100
74 1.2 19.5 29.3#



#20
Methylene Chloride
Concen: 1.098 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013890.D
Acq: 10 Dec 2019 12:01

Tgt Ion: 84 Resp: 7312
Ion Ratio Lower Upper
84 100
49 95.5 99.7 149.5#
51 41.2 29.9 44.9
86 62.5 52.2 78.4





#25

2-Butanone

Concen: 0.306 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

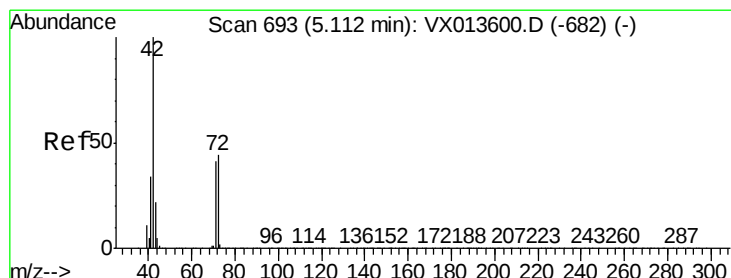
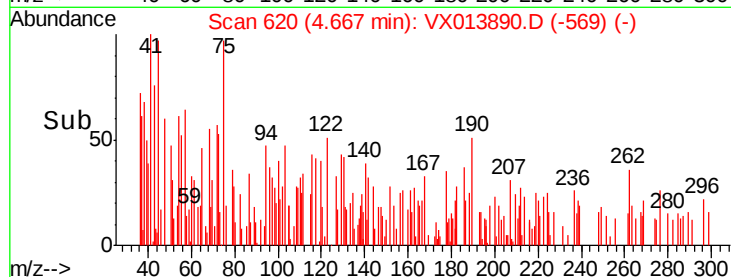
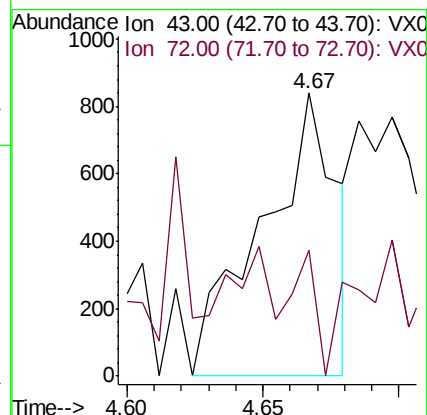
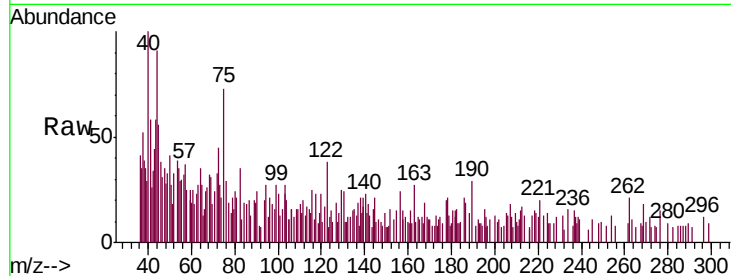
FB01-20191205

Tgt Ion: 43 Resp: 1579

Ion Ratio Lower Upper

43 100

72 24.2 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.346 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

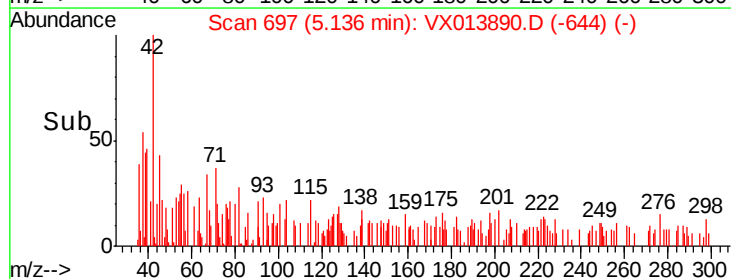
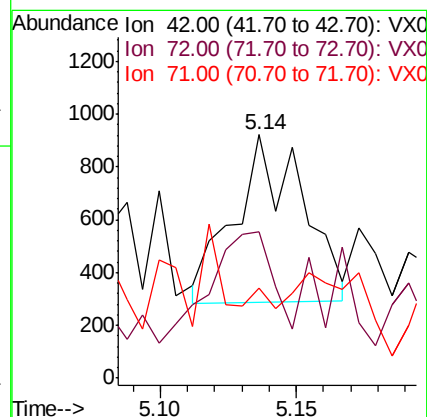
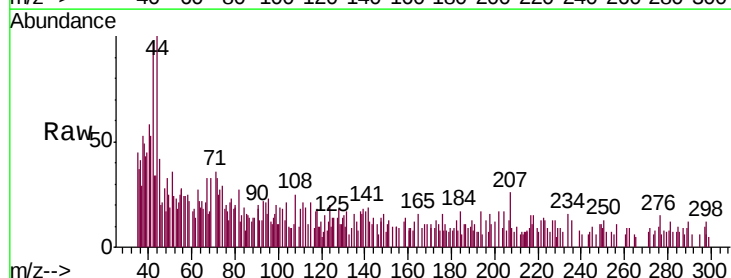
Tgt Ion: 42 Resp: 1100

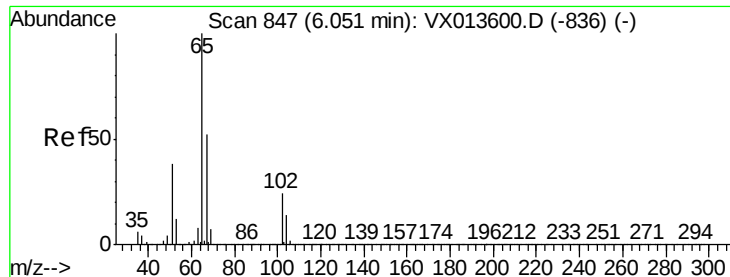
Ion Ratio Lower Upper

42 100

72 61.5 36.3 54.5#

71 24.9 33.2 49.8#





#33

1,2-Dichloroethane-d4

Concen: 48.077 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

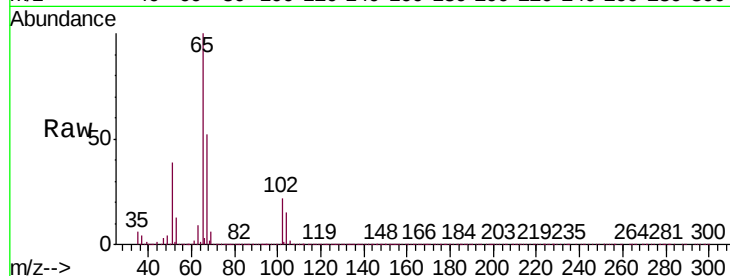
FB01-20191205

Tgt Ion: 65 Resp: 337614

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX013600.D (-836) (-)

Ion 66.90 (66.60 to 67.60): VX013600.D (-836) (-)

6.05

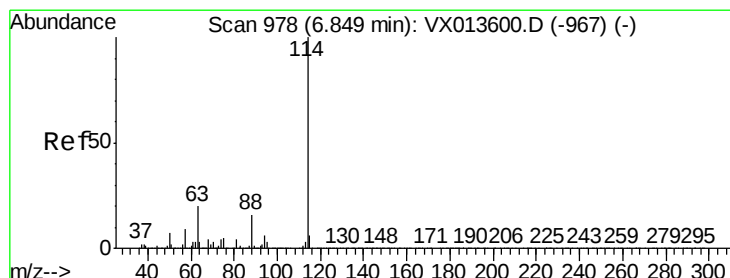
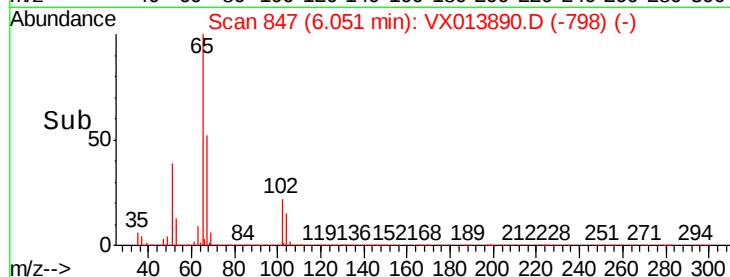
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

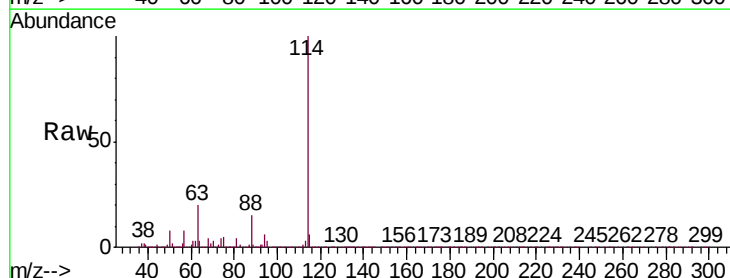
Tgt Ion: 114 Resp: 926441

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VX013600.D (-967) (-)

Ion 63.00 (62.70 to 63.70): VX013600.D (-967) (-)

Ion 87.90 (87.60 to 88.60): VX013600.D (-967) (-)

6.85

500000

400000

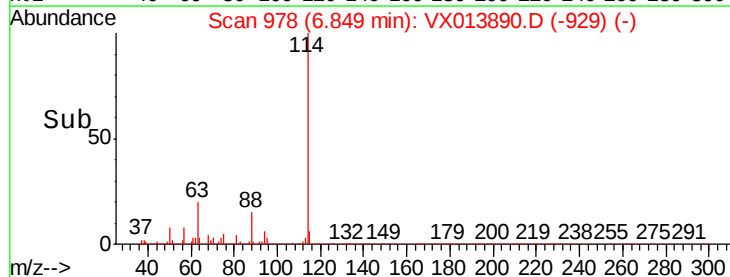
300000

200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.525 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

FB01-20191205

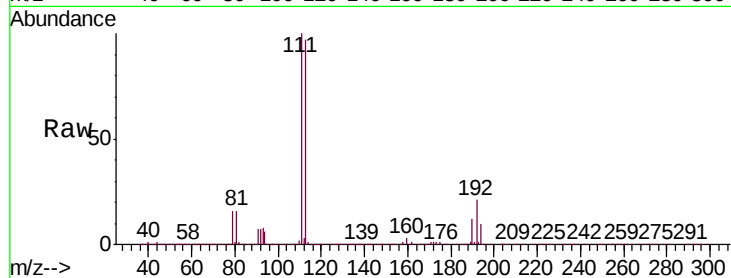
Tgt Ion:113 Resp: 277918

Ion Ratio Lower Upper

113 100

111 102.8 83.6 125.4

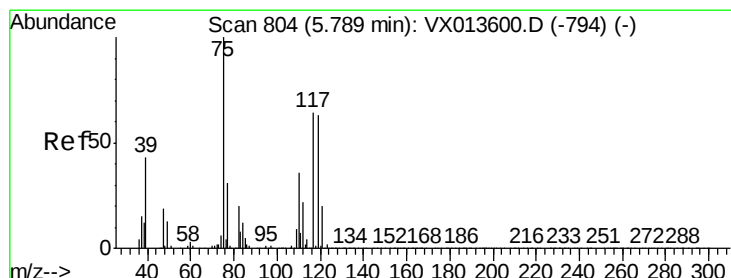
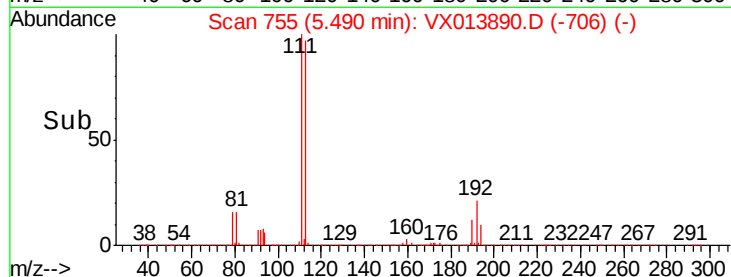
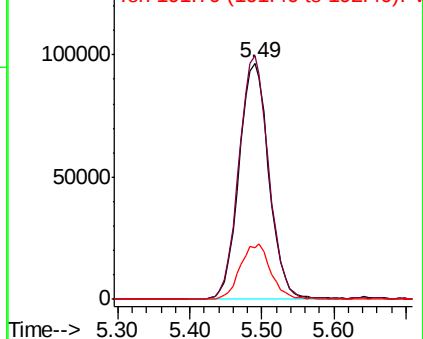
192 23.4 19.2 28.8



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: 4.729 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

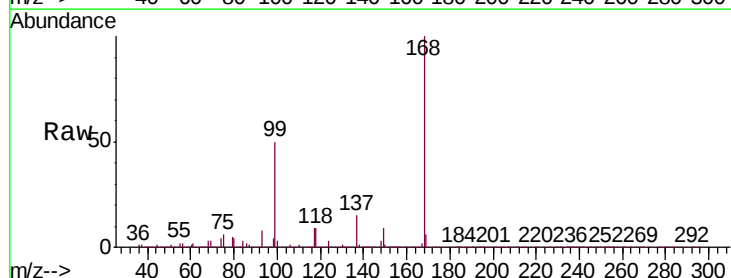
Tgt Ion: 75 Resp: 39770

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.1#

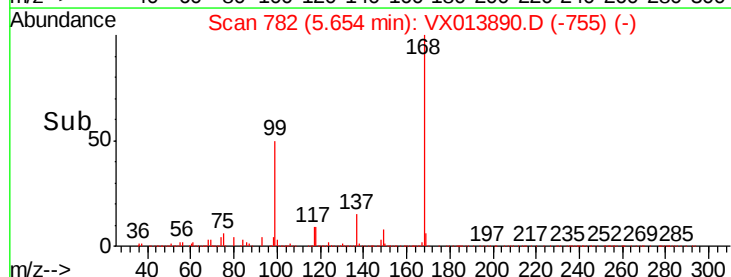
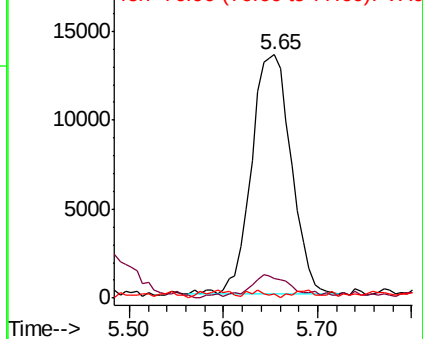
77 1.6 24.5 36.7#

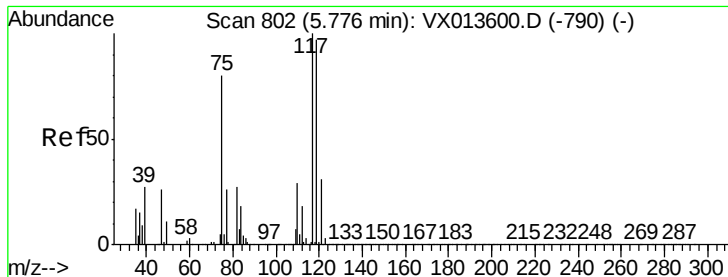


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.113 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

FB01-20191205

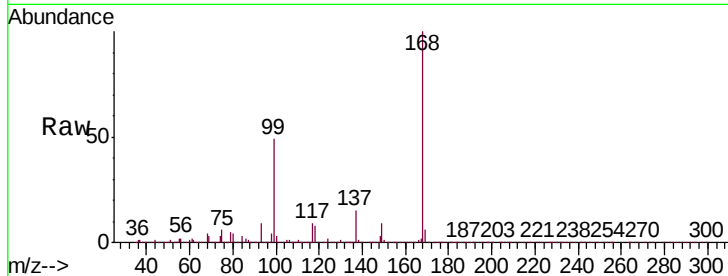
Tgt Ion: 117 Resp: 55157

Ion Ratio Lower Upper

117 100

119 3.9 77.5 116.3#

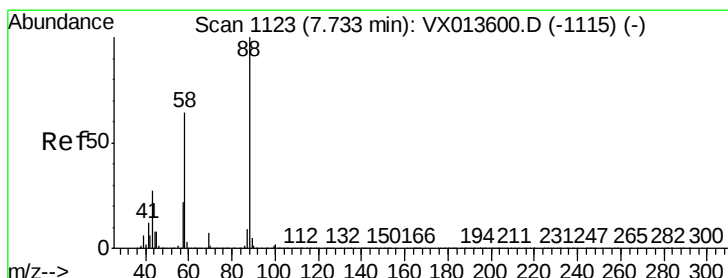
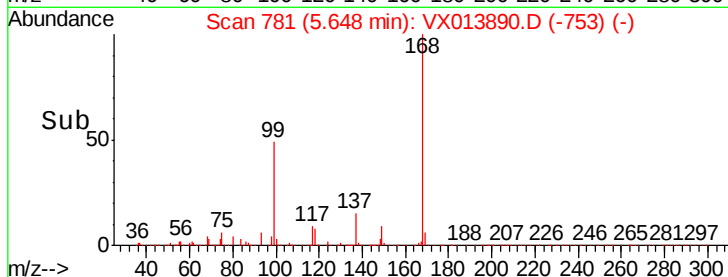
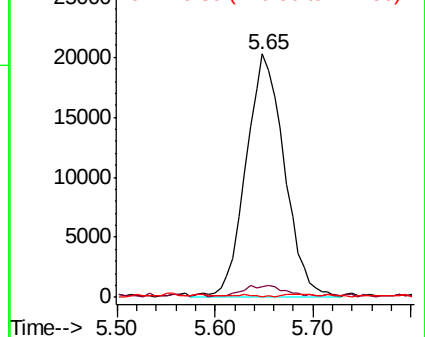
121 0.0 25.0 37.6#



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: 2.001 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

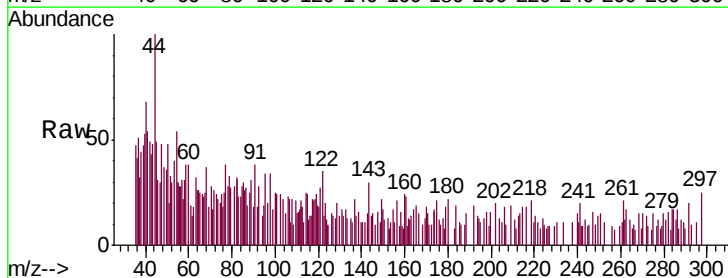
Tgt Ion: 88 Resp: 338

Ion Ratio Lower Upper

88 100

43 148.5 25.8 38.6#

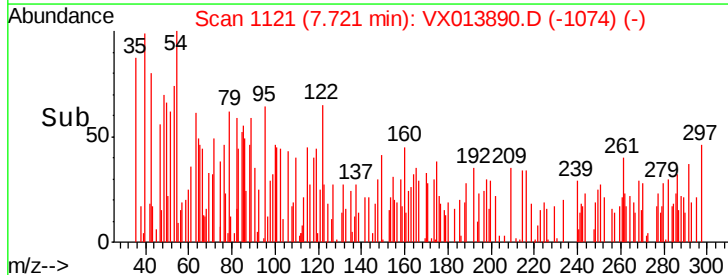
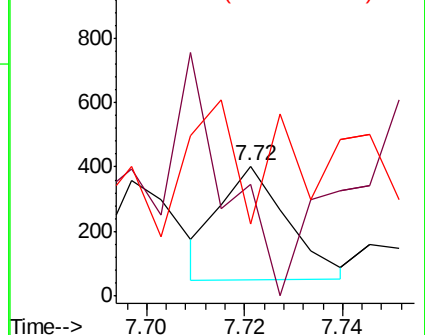
58 200.3 54.6 82.0#

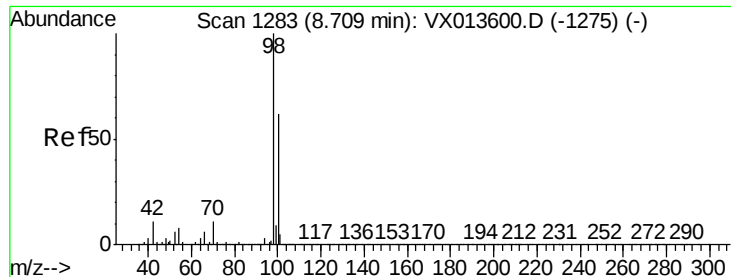


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.104 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

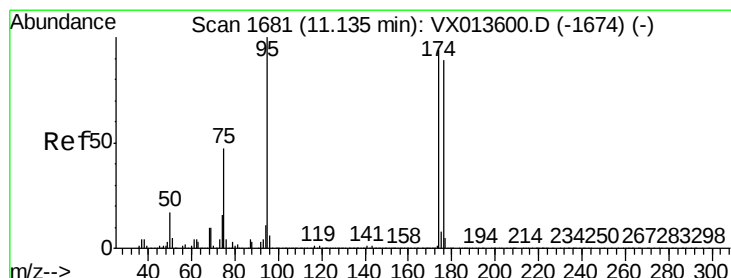
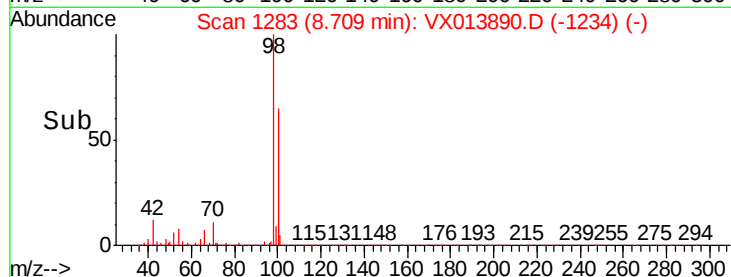
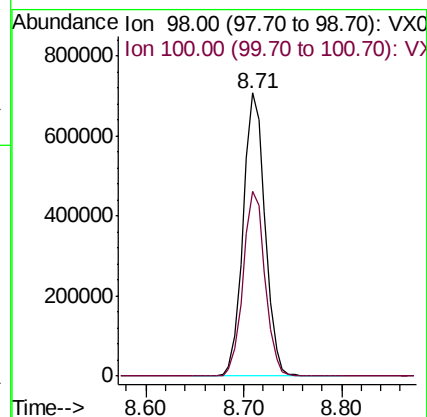
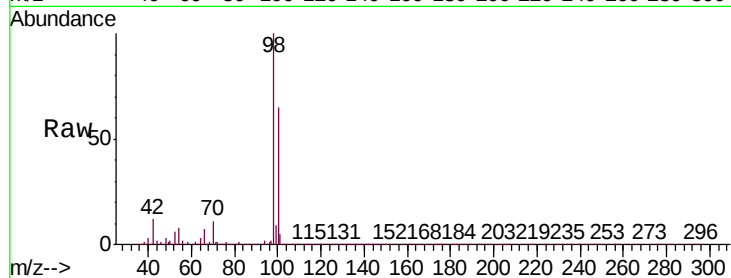
FB01-20191205

Tgt Ion: 98 Resp: 1095732

Ion Ratio Lower Upper

98 100

100 65.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.315 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

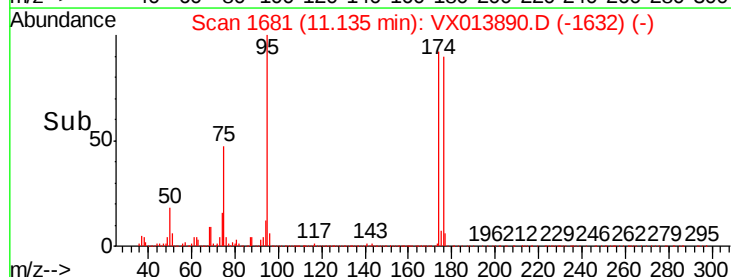
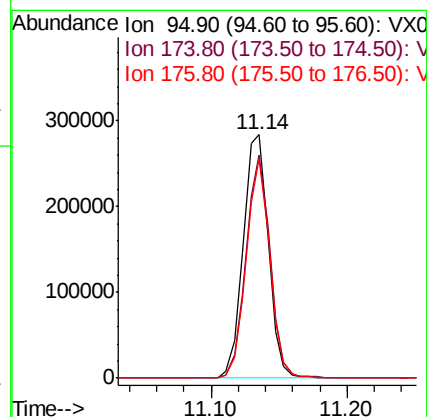
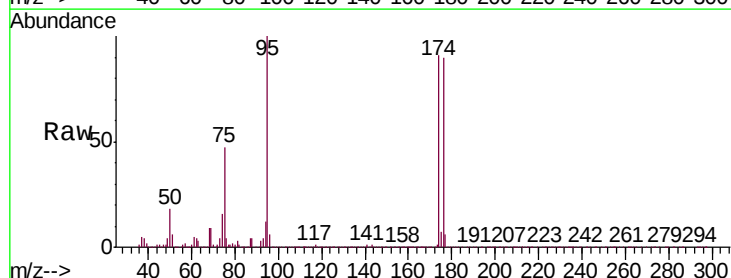
Tgt Ion: 95 Resp: 364635

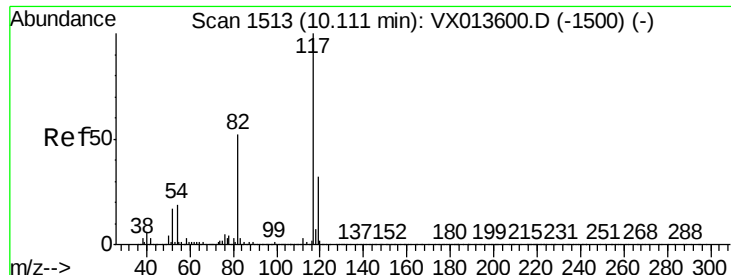
Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.0

176 85.0 0.0 173.6

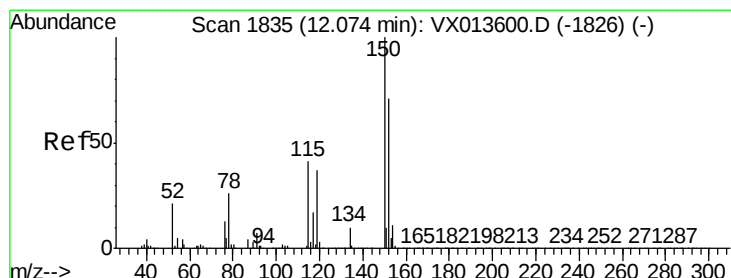
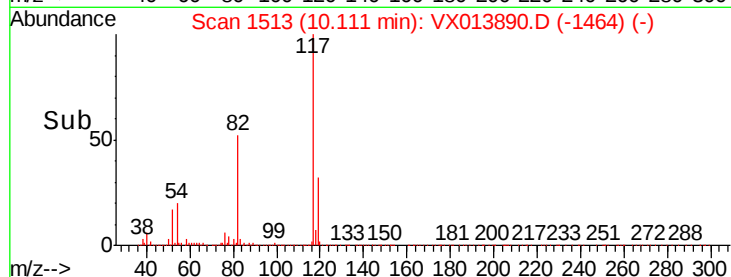
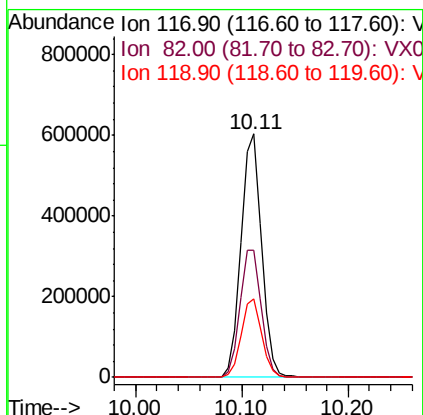
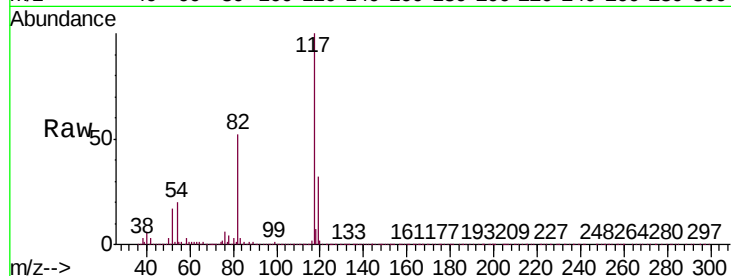




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013890.D
Acq: 10 Dec 2019 12:01

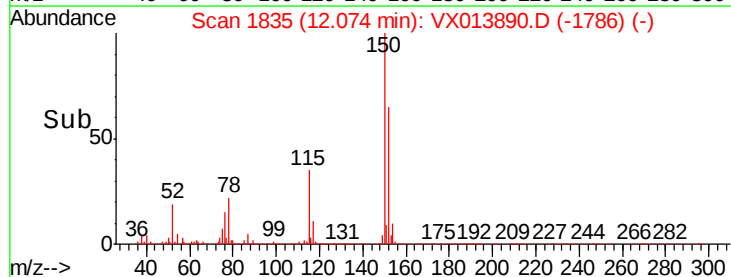
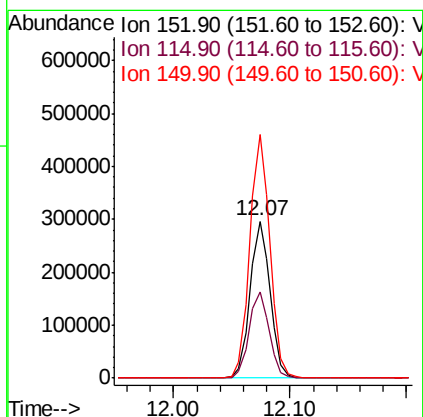
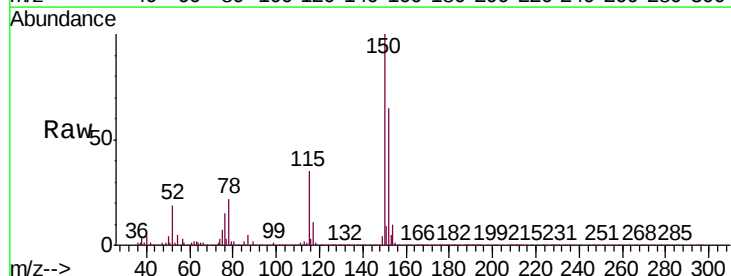
Instrument :
MSVOA_X
ClientSampleId :
FB01-20191205

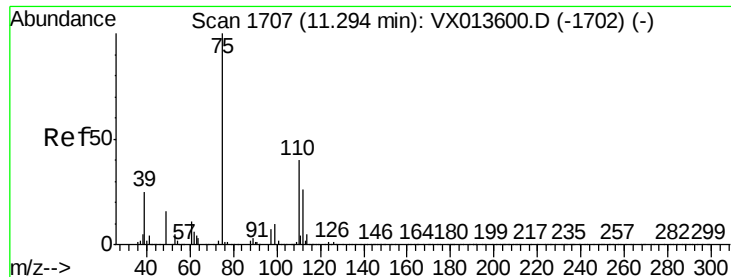
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	32.3	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013890.D
Acq: 10 Dec 2019 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.4	115.1
150	155.3	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 22.218 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

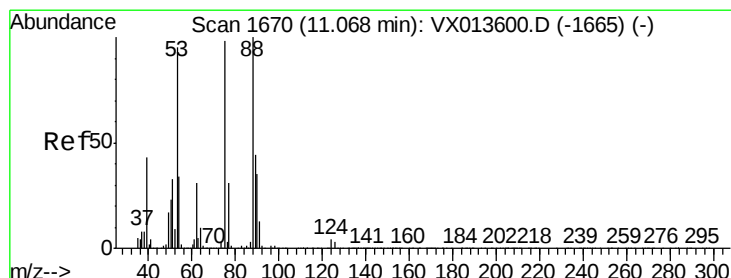
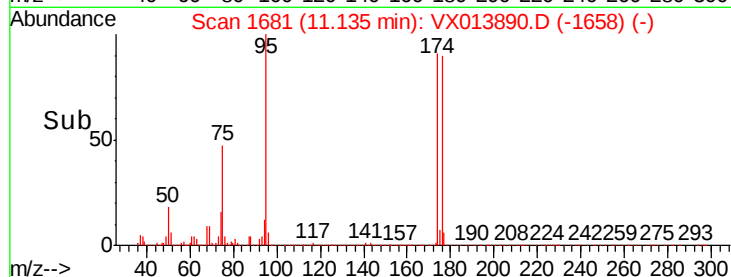
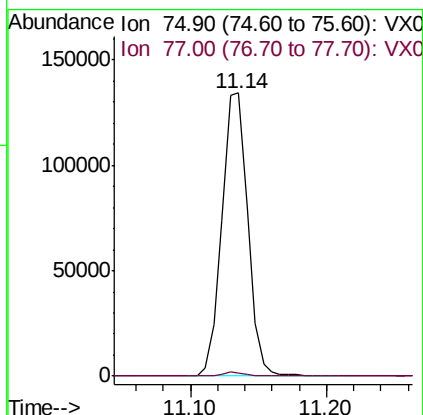
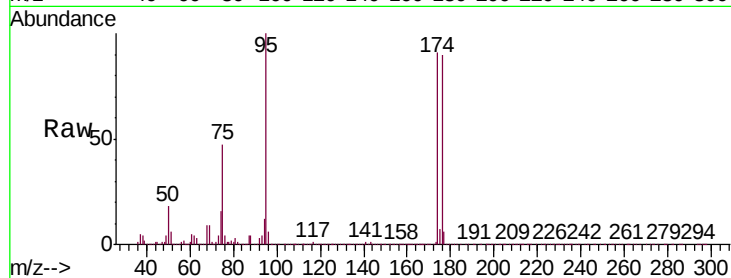
FB01-20191205

Tgt Ion: 75 Resp: 178269

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.785 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013890.D

Acq: 10 Dec 2019 12:01

Tgt Ion: 75 Resp: 178269

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.4 35.4 53.2#

