

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011420\
 Data File : VX014606.D
 Acq On : 14 Jan 2020 16:23
 Operator : JC/SP
 Sample : L1125-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FEQCFB-01-14-20

Quant Time: Jan 14 23:33:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	469465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	733001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	667719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	305264	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	268423	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	5.48	113	222132	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.71	98	868628	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	292652	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

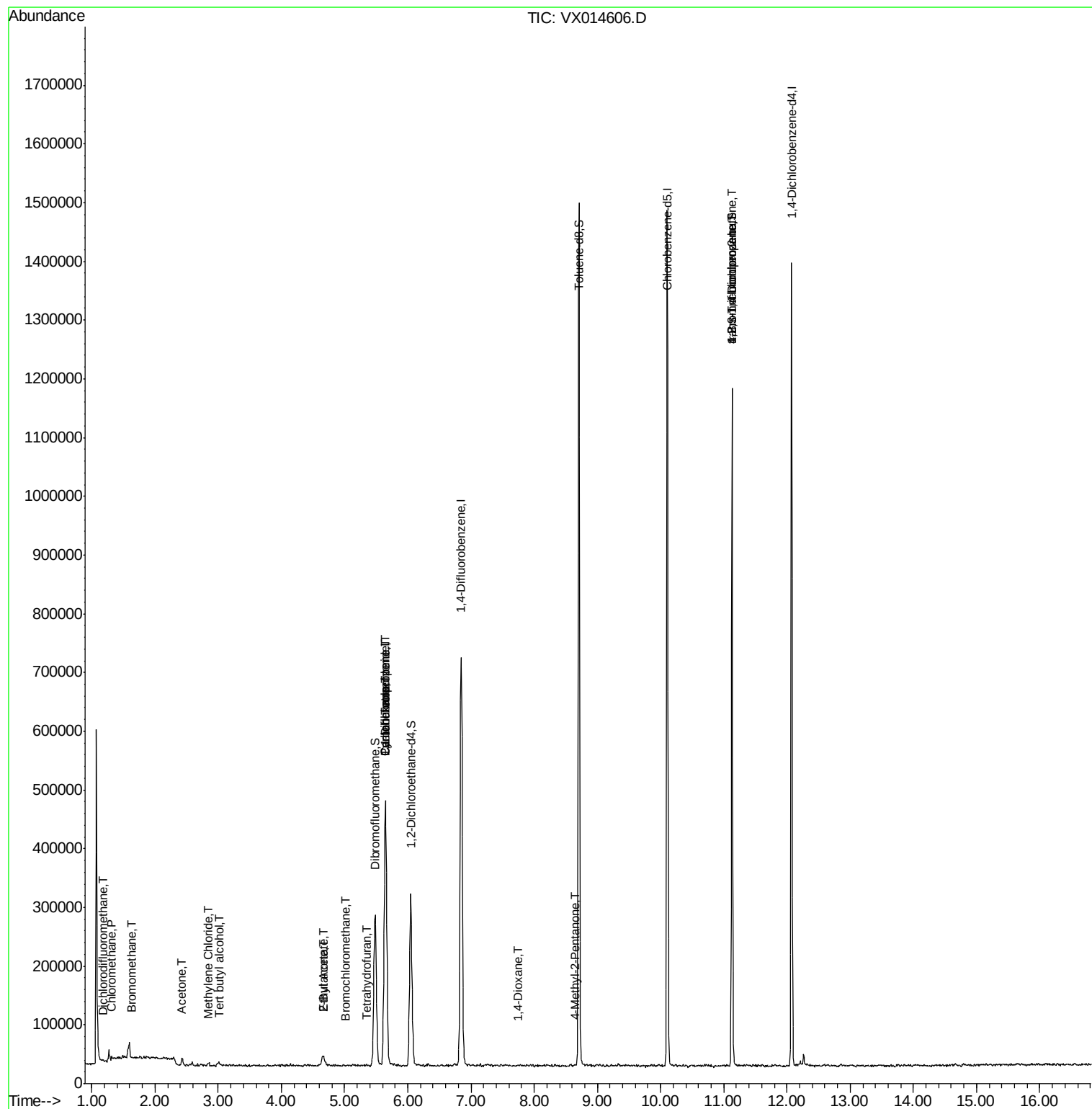
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.19	85	101	0.270	ug/l #	42
3) Chloromethane	1.32	50	1210	0.202	ug/l #	74
5) Bromomethane	1.64	94	1133	0.256	ug/l #	35
6) Chloroethane	1.70	64	671	Below Cal	#	69
11) Tert butyl alcohol	3.01	59	4909	4.486	ug/l #	85
16) Acetone	2.43	43	14771	1.467	ug/l	96
20) Methylene Chloride	2.84	84	1914	0.363	ug/l #	80
25) 2-Butanone	4.67	43	5161	1.318	ug/l #	86
28) Bromochloromethane	5.02	49	925	0.257	ug/l #	37
29) Tetrahydrofuran	5.35	42	565	0.244	ug/l	98
31) Cyclohexane	5.65	56	9395	1.173	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	33772	4.899	ug/l #	51
37) Ethyl Acetate	4.67	43	5161	0.689	ug/l	96
38) Carbon Tetrachloride	5.65	117	43789	6.903	ug/l #	18
49) 1,4-Dioxane	7.75	88	706	5.752	ug/l #	58
51) 4-Methyl-2-Pentanone	8.64	43	2036	0.276	ug/l #	81
76) 1,2,3-Trichloropropane	11.13	75	144609	22.896	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	144609	60.532	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	924	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.65	180	508	Below Cal	#	61
96) 1,2,3-Trichlorobenzene	14.11	180	254	Below Cal		68

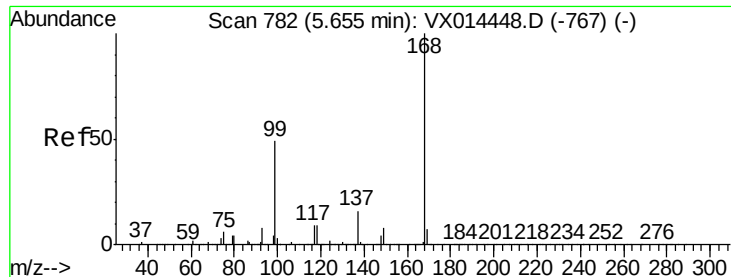
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

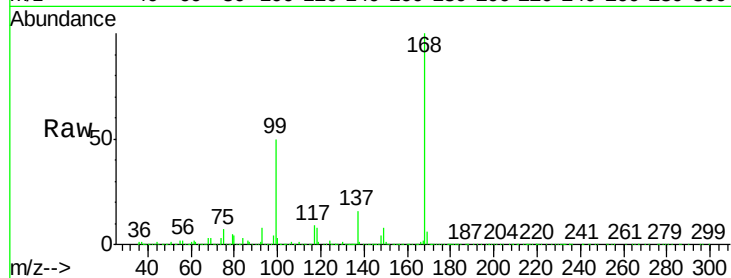
FEQCFB-01-14-20

Tgt Ion: 168 Resp: 469465

Ion Ratio Lower Upper

168 100

99 49.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

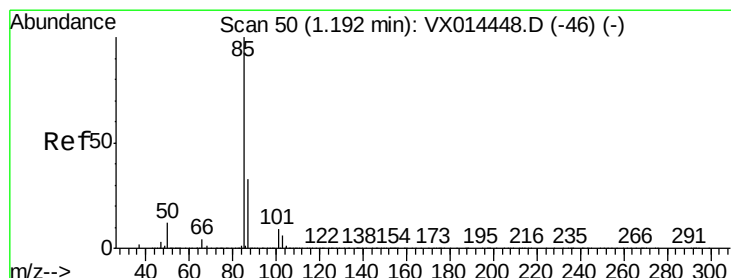
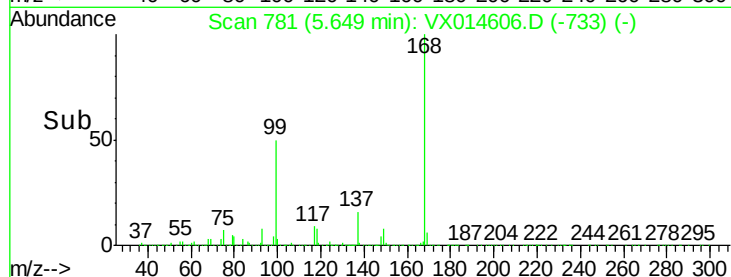
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.270 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014606.D

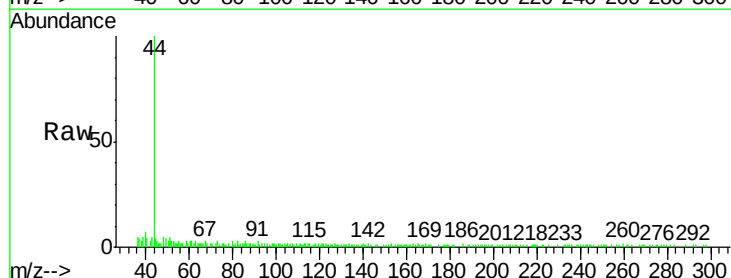
Acq: 14 Jan 2020 16:23

Tgt Ion: 85 Resp: 101

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

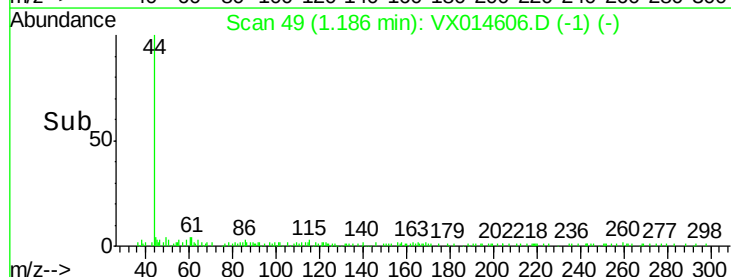
300

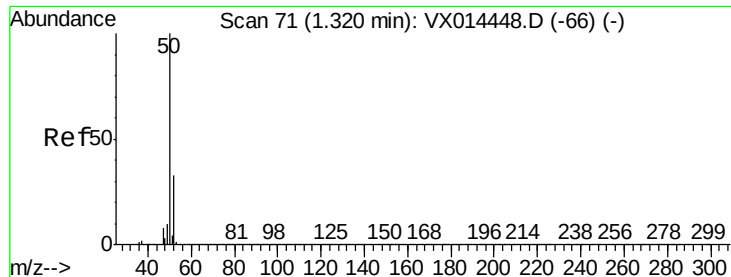
200

100

0

Time-->





#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

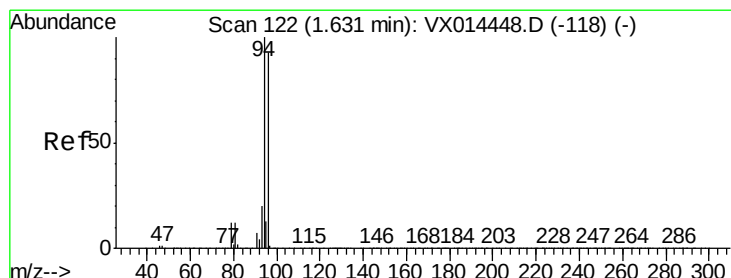
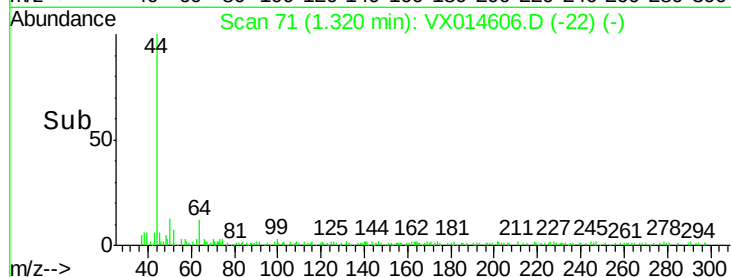
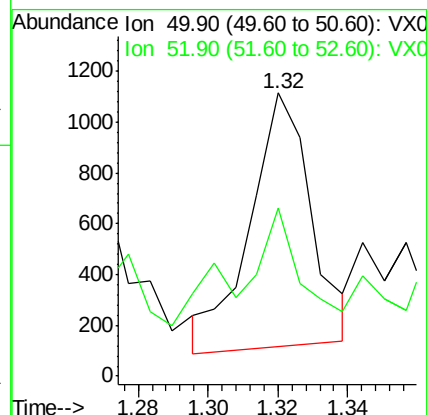
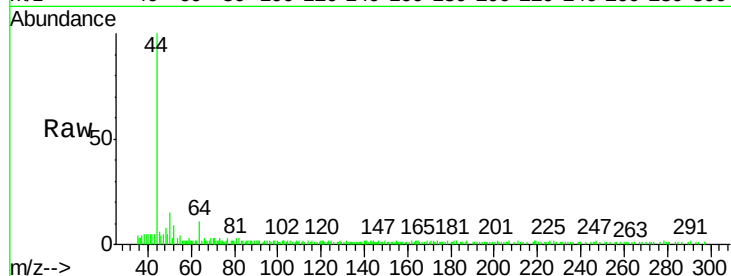
FEQCFB-01-14-20

Tgt Ion: 50 Resp: 1210

Ion Ratio Lower Upper

50 100

52 47.1 26.1 39.1#



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014606.D

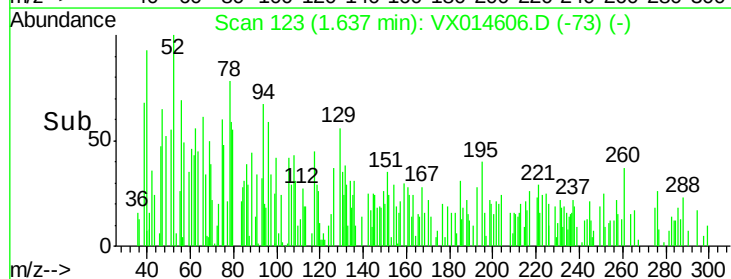
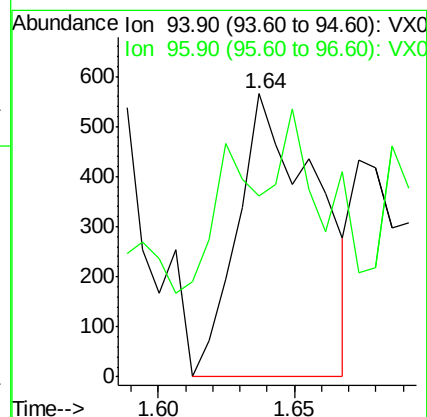
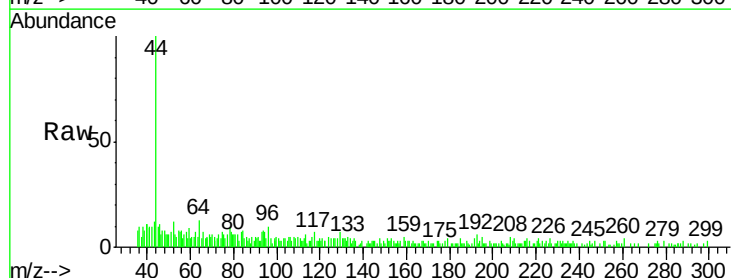
Acq: 14 Jan 2020 16:23

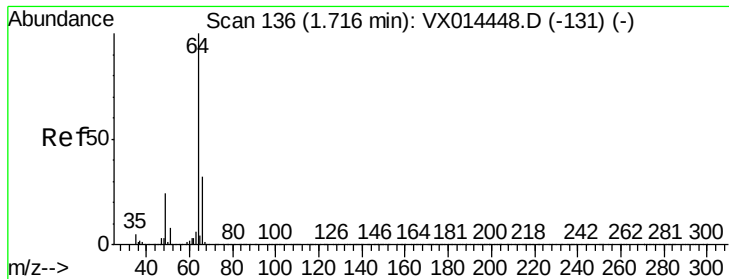
Tgt Ion: 94 Resp: 1133

Ion Ratio Lower Upper

94 100

96 30.3 74.2 111.2#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

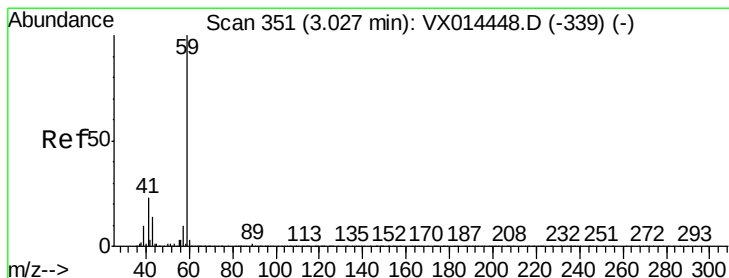
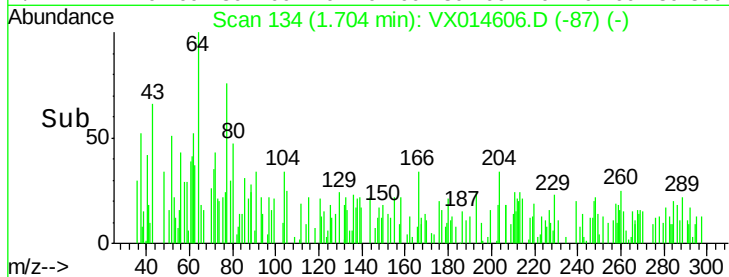
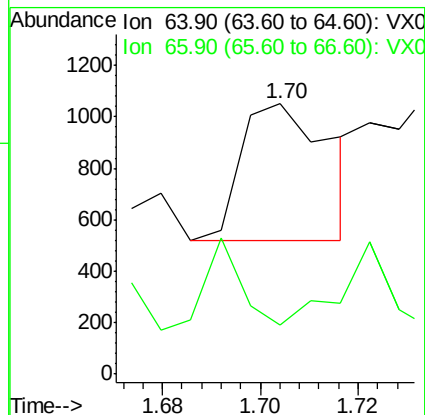
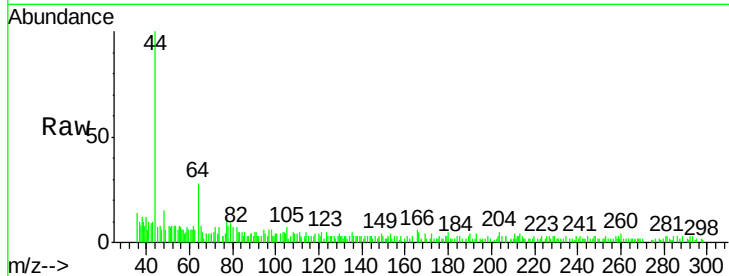
FEQCFB-01-14-20

Tgt Ion: 64 Resp: 671

Ion Ratio Lower Upper

64 100

66 14.2 25.3 37.9#



#11

Tert butyl alcohol

Concen: 4.486 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014606.D

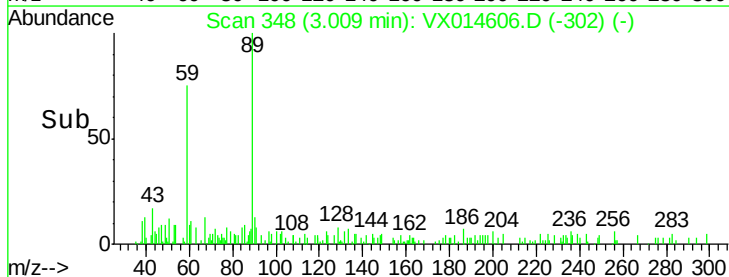
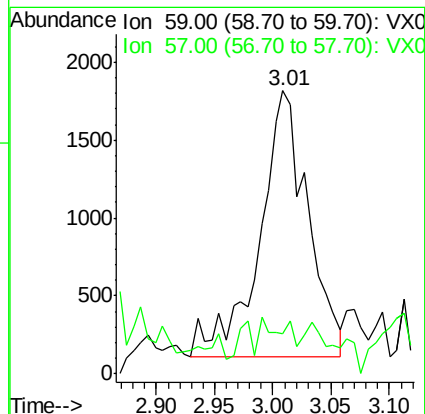
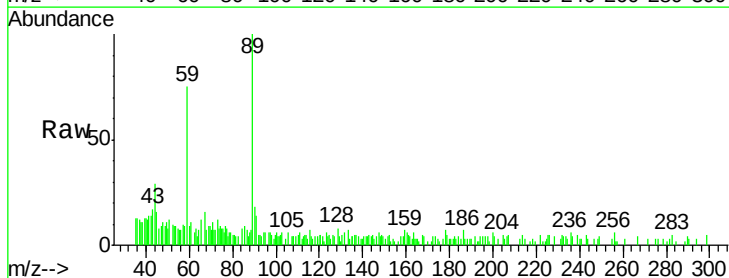
Acq: 14 Jan 2020 16:23

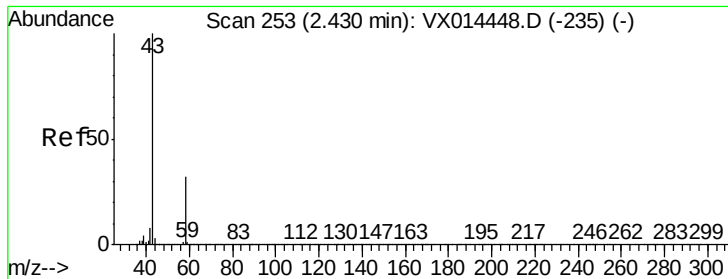
Tgt Ion: 59 Resp: 4909

Ion Ratio Lower Upper

59 100

57 4.9 8.5 12.7#

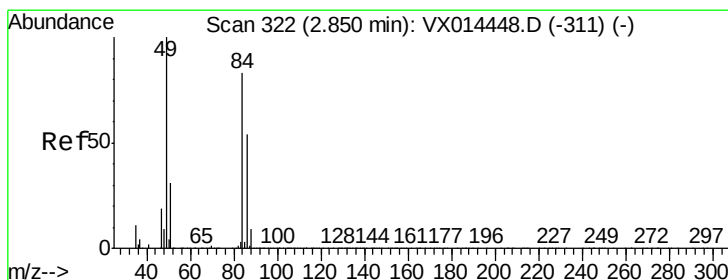
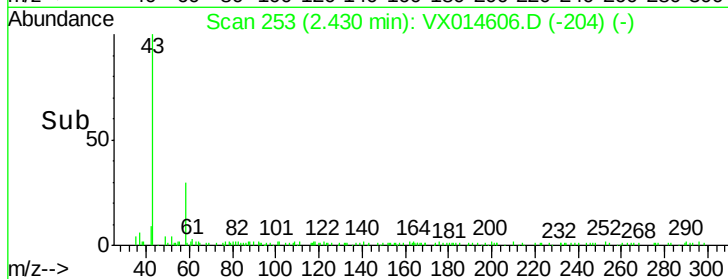
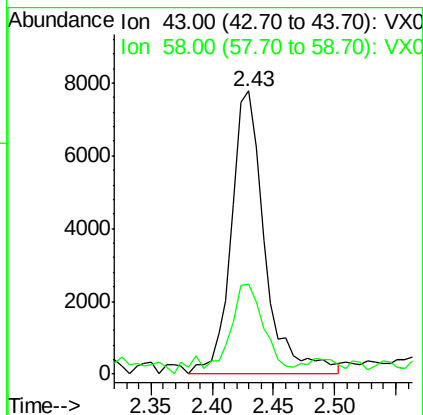
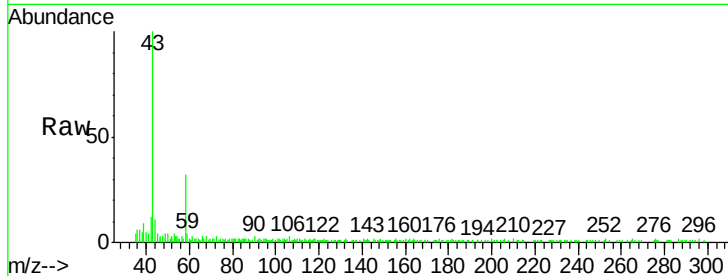




#16
Acetone
Concen: 1.467 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014606.D
Acq: 14 Jan 2020 16:23

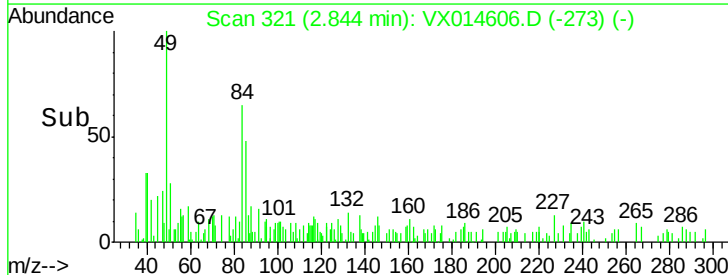
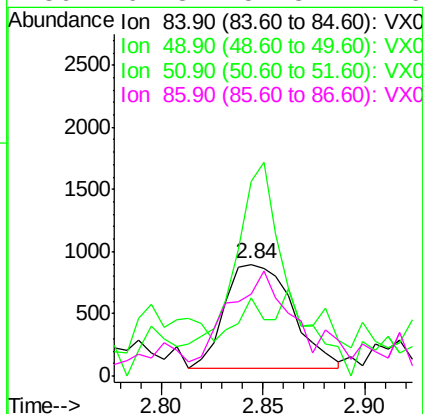
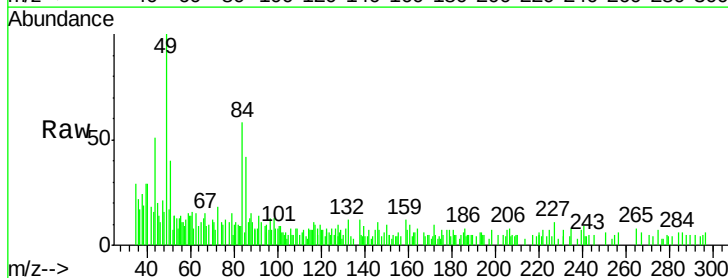
Instrument :
MSVOA_X
ClientSampleId :
FEQCFB-01-14-20

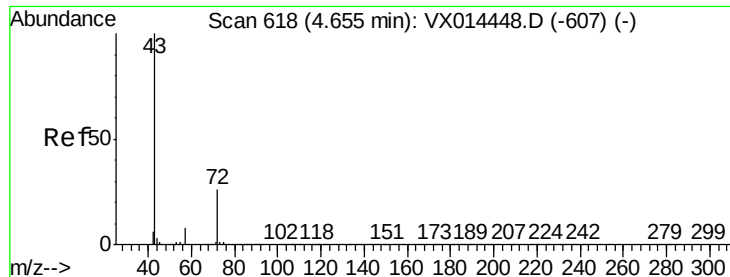
Tgt Ion: 43 Resp: 14771
Ion Ratio Lower Upper
43 100
58 29.3 25.4 38.0



#20
Methylene Chloride
Concen: 0.363 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014606.D
Acq: 14 Jan 2020 16:23

Tgt Ion: 84 Resp: 1914
Ion Ratio Lower Upper
84 100
49 156.2 95.8 143.8#
51 46.6 30.2 45.4#
86 64.8 51.8 77.6





#25

2-Butanone

Concen: 1.318 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

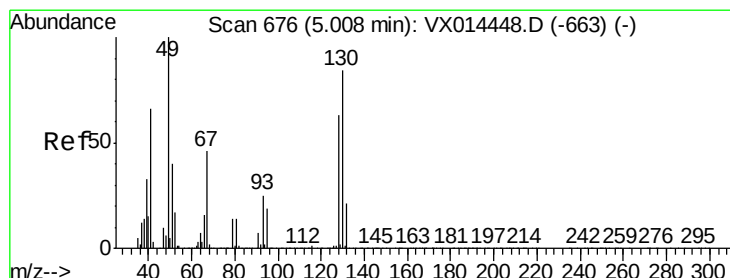
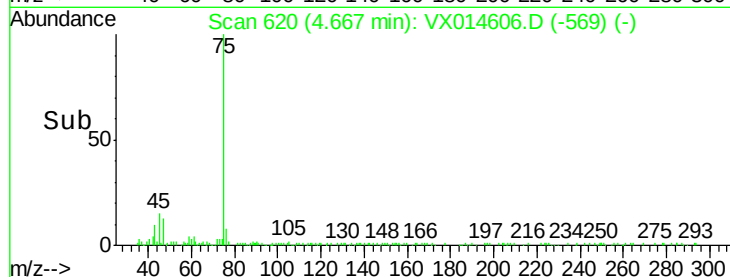
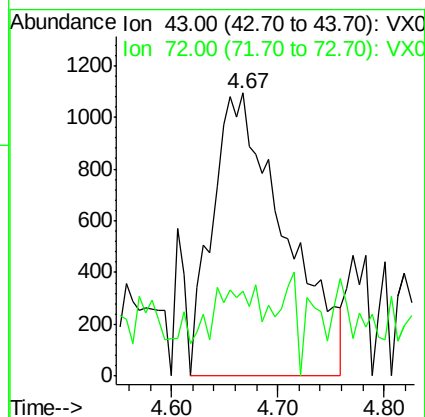
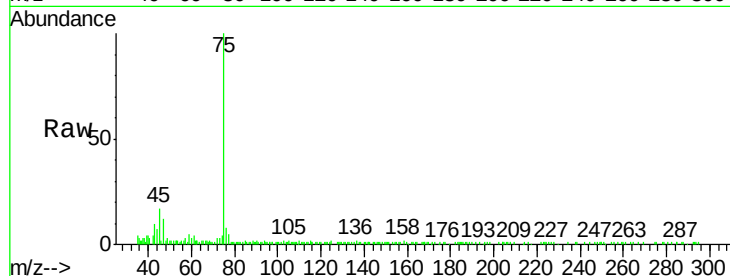
FEQCFB-01-14-20

Tgt Ion: 43 Resp: 5161

Ion Ratio Lower Upper

43 100

72 18.8 20.6 31.0#



#28

Bromochloromethane

Concen: 0.257 ug/l

RT: 5.02 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

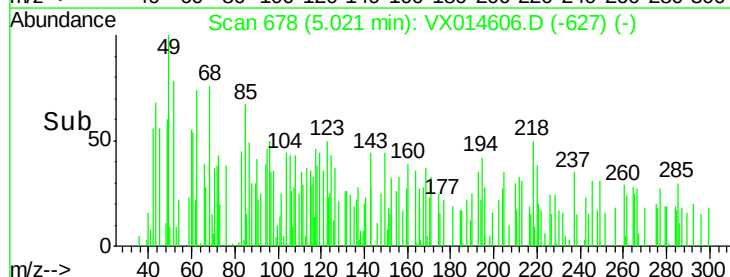
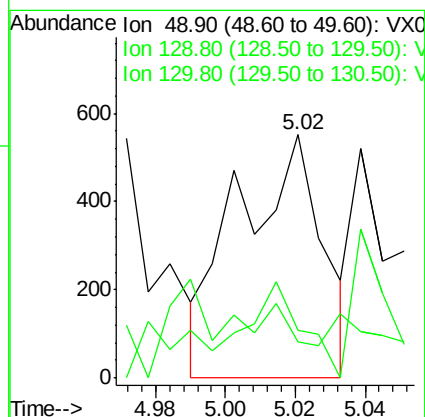
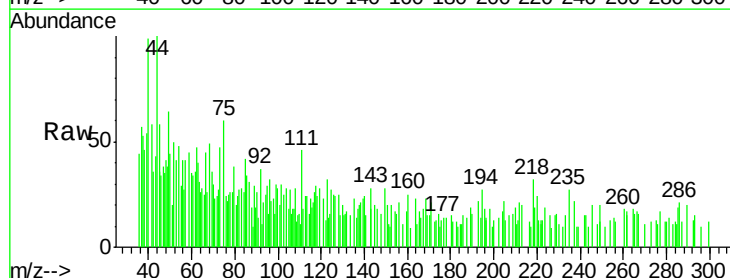
Tgt Ion: 49 Resp: 925

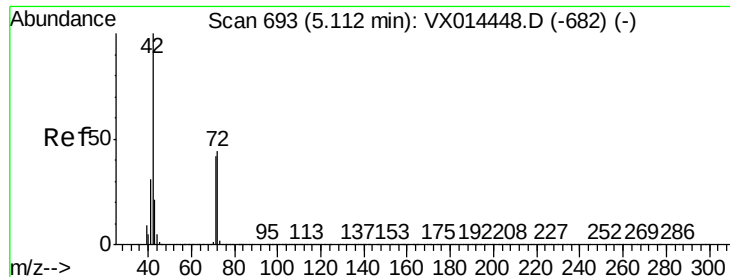
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 25.7 67.0 100.4#





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 5.35 min Scan# 732

Delta R.T. 0.24 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

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ClientSampleId :

FEQCFB-01-14-20

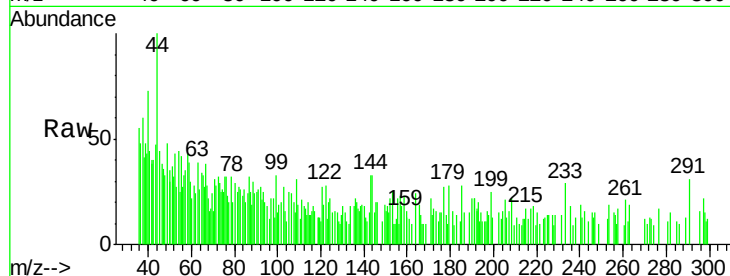
Tgt Ion: 42 Resp: 565

Ion Ratio Lower Upper

42 100

72 44.2 36.2 54.4

71 41.4 34.1 51.1



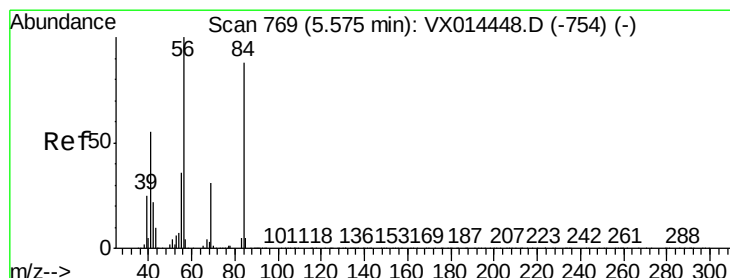
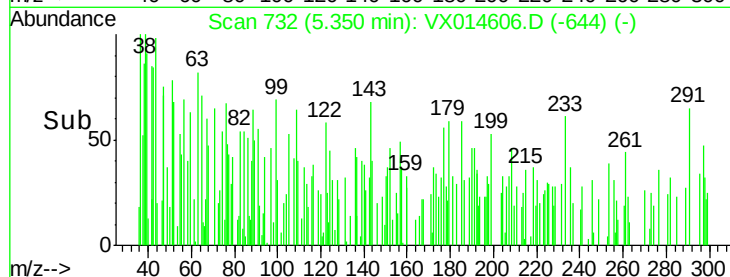
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.35

Time-->



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.07 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

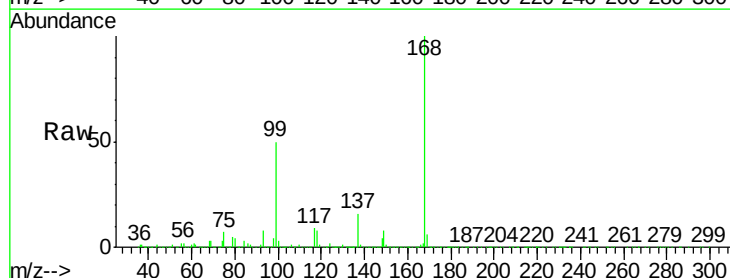
Tgt Ion: 56 Resp: 9395

Ion Ratio Lower Upper

56 100

69 147.4 24.4 36.6#

84 150.5 70.6 106.0#



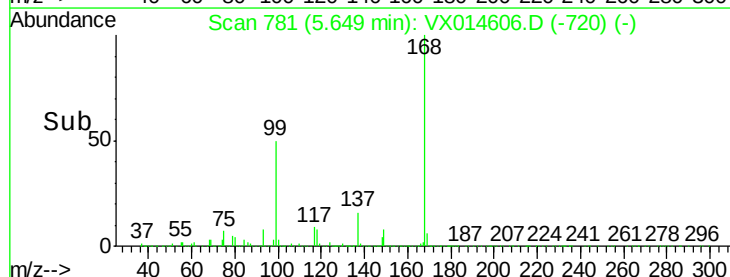
Abundance Ion 56.00 (55.70 to 56.70): VX0

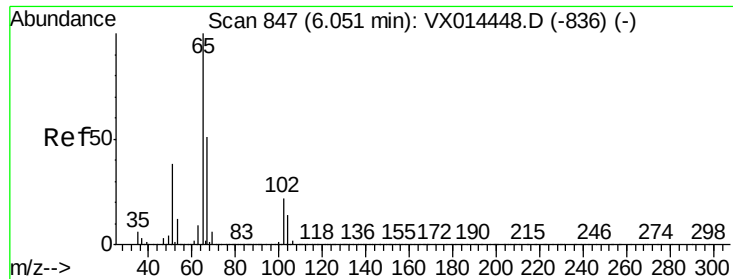
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.65

Time-->

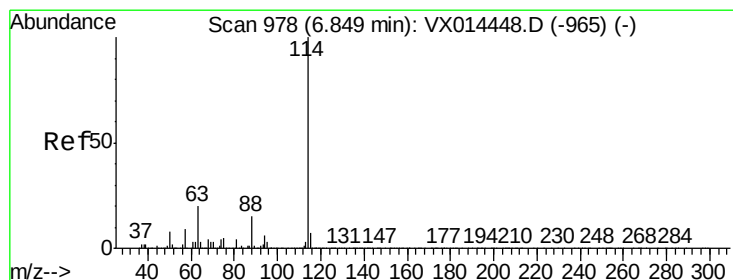
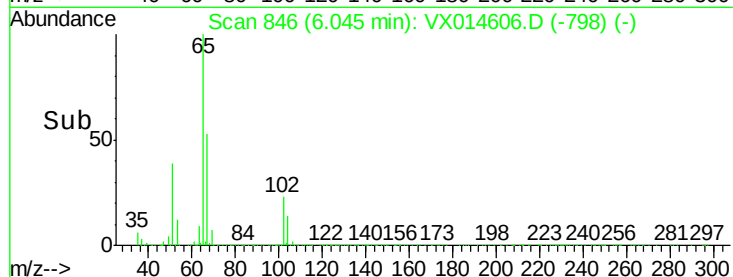
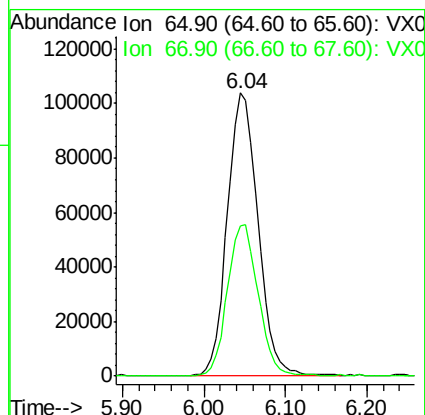
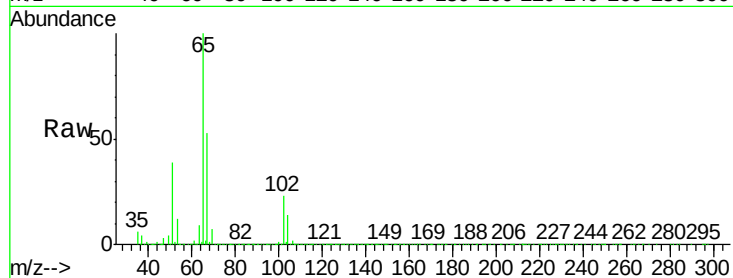




#33
 1,2-Dichloroethane-d4
 Concen: 51.218 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014606.D
 Acq: 14 Jan 2020 16:23

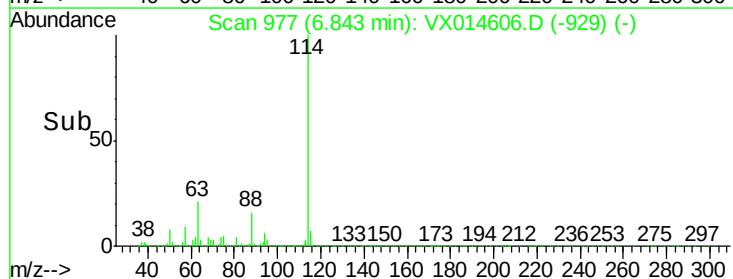
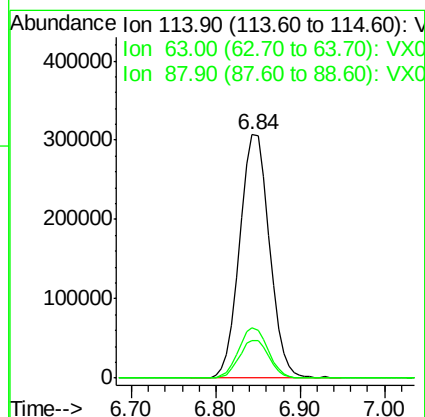
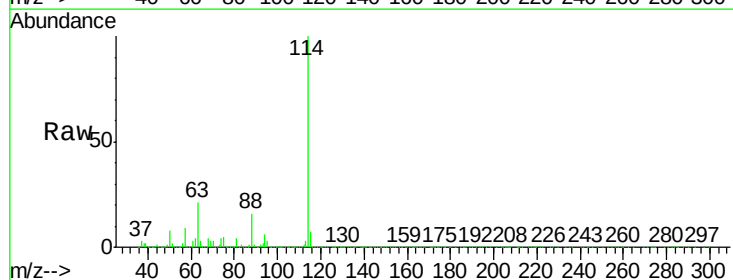
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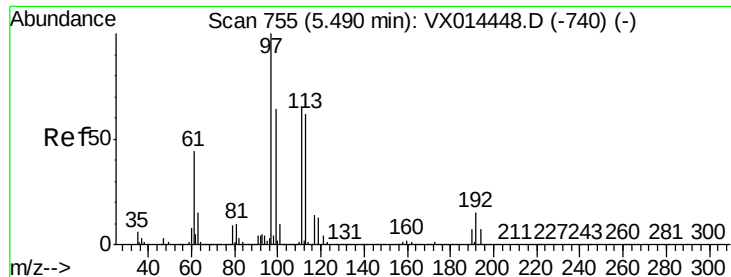
Tgt Ion: 65 Resp: 268423
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014606.D
 Acq: 14 Jan 2020 16:23

Tgt Ion: 114 Resp: 733001
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.6
 88 15.5 0.0 30.8

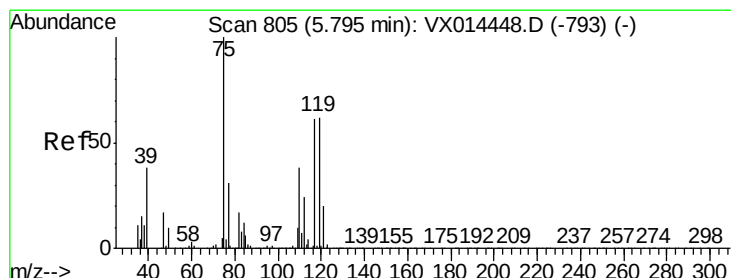
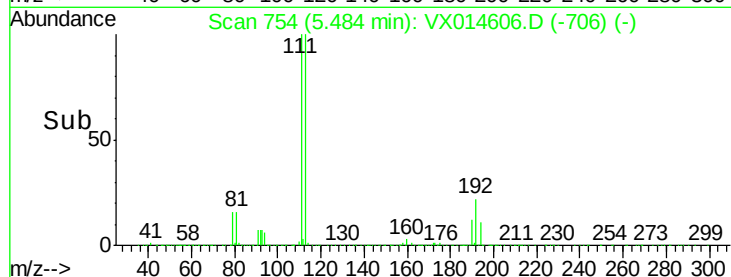
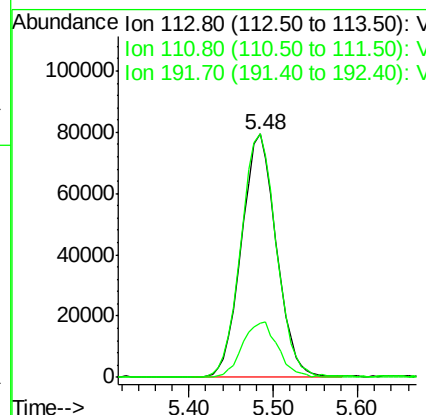
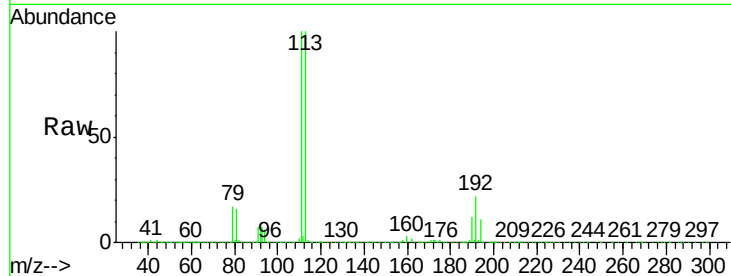




#35
 Dibromofluoromethane
 Concen: 50.062 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014606.D
 Acq: 14 Jan 2020 16:23

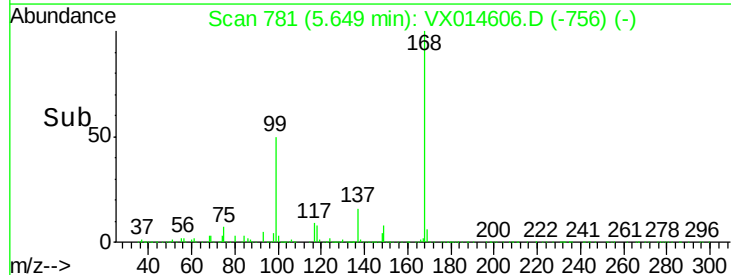
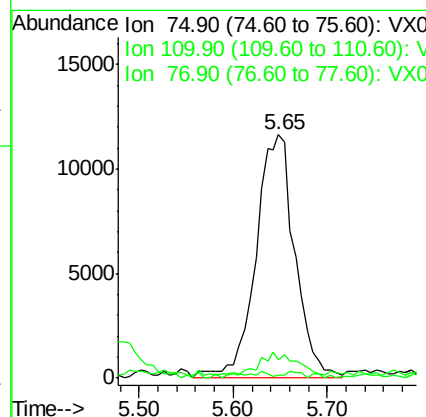
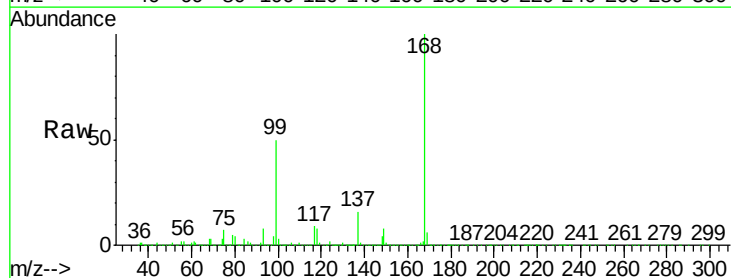
Instrument :
 MSVOA_X
 ClientSampleId :
 FEQCFB-01-14-20

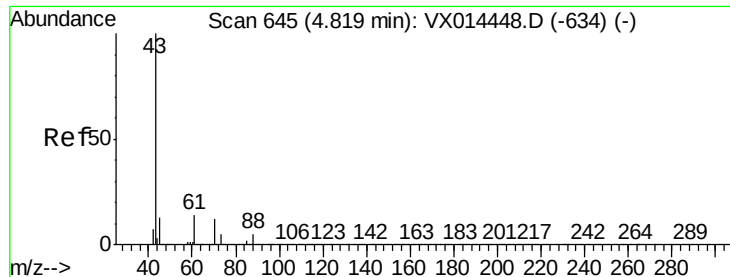
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.5	122.3
192	23.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014606.D
 Acq: 14 Jan 2020 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.6	55.8#
77	0.3	24.5	36.7#





#37

Ethyl Acetate

Concen: 0.689 ug/l

RT: 4.67 min Scan# 620

Delta R.T. -0.15 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

FEQCFB-01-14-20

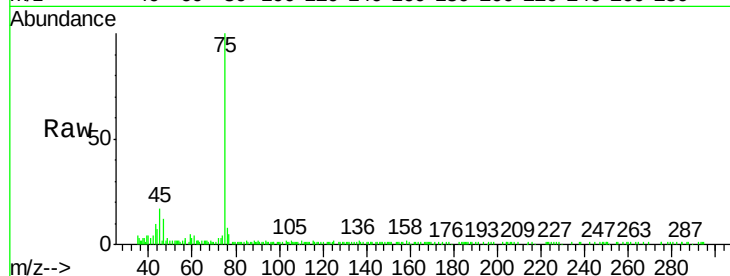
Tgt Ion: 43 Resp: 5161

Ion Ratio Lower Upper

43 100

61 15.7 11.1 16.7

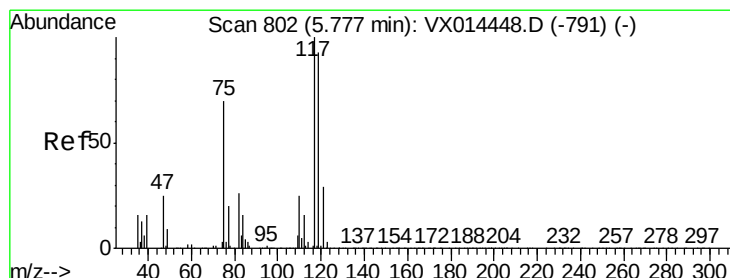
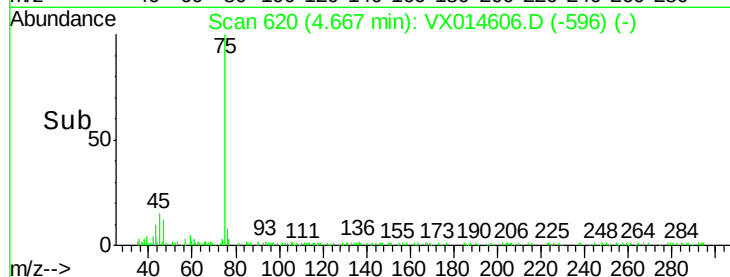
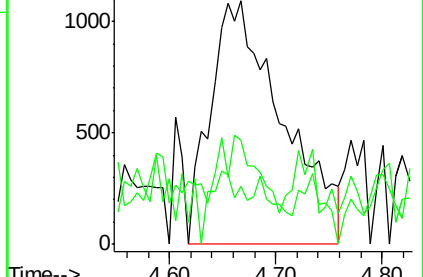
70 12.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.903 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

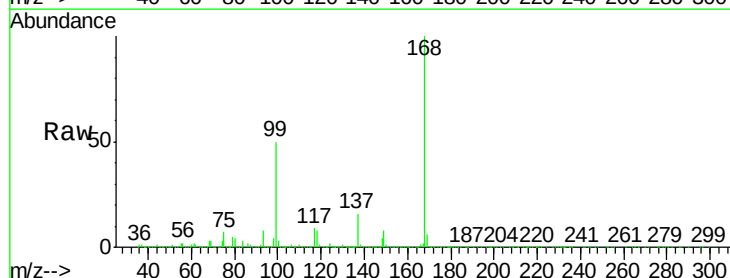
Tgt Ion: 117 Resp: 43789

Ion Ratio Lower Upper

117 100

119 5.7 73.8 110.8#

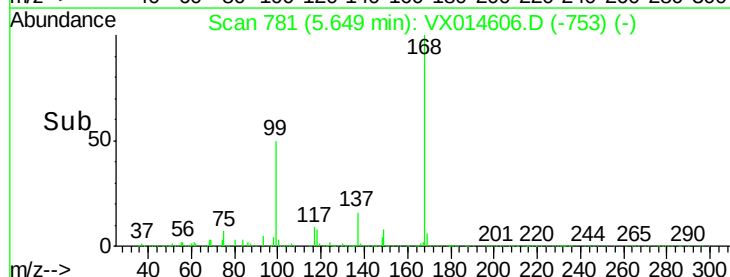
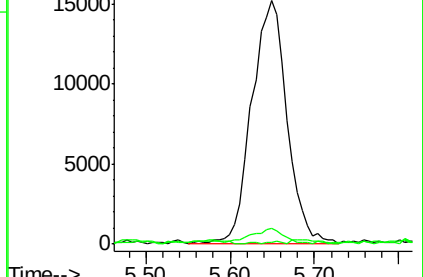
121 0.2 23.4 35.0#

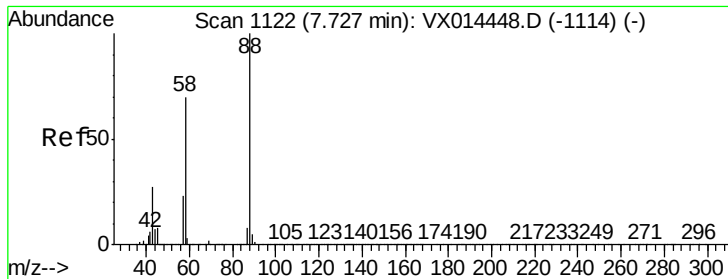


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 5.752 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

FEQCFB-01-14-20

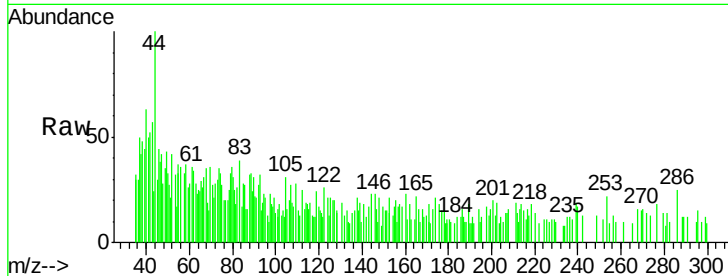
Tgt Ion: 88 Resp: 706

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

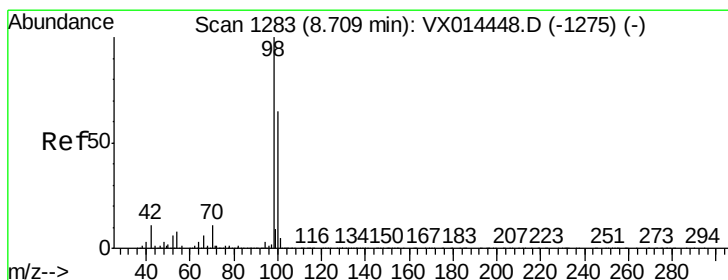
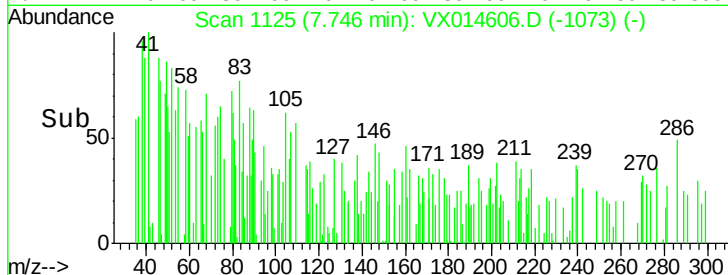
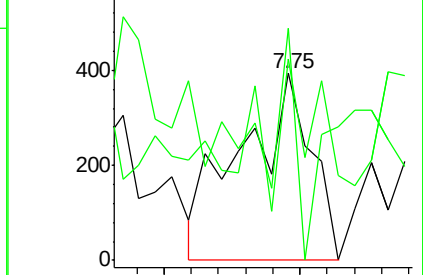
58 43.5 57.1 85.7#



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: 50.445 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014606.D

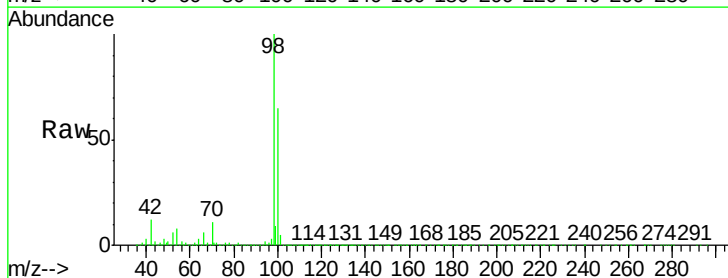
Acq: 14 Jan 2020 16:23

Tgt Ion: 98 Resp: 868628

Ion Ratio Lower Upper

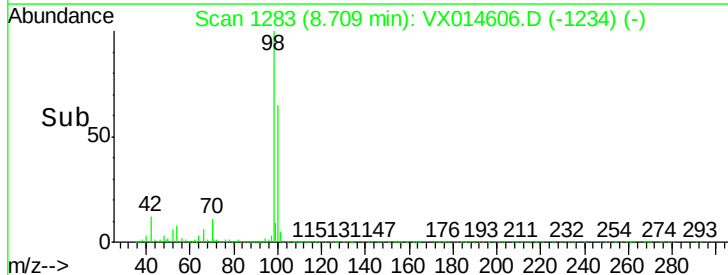
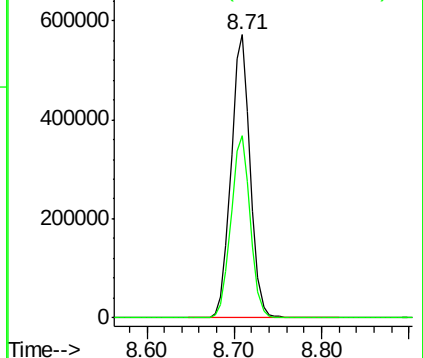
98 100

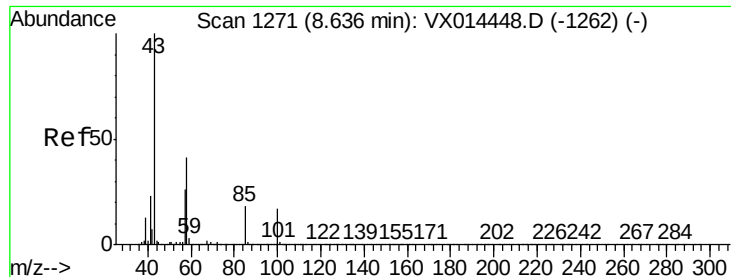
100 65.0 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

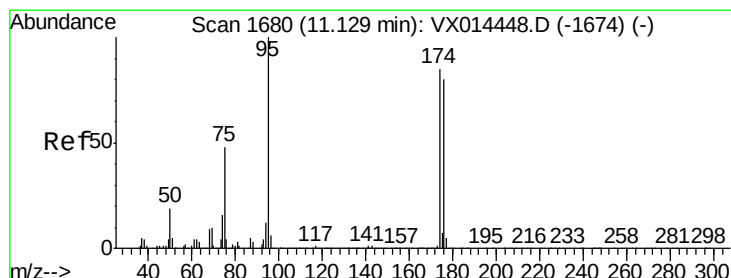
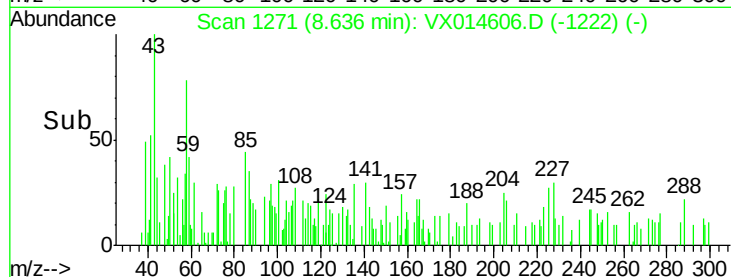
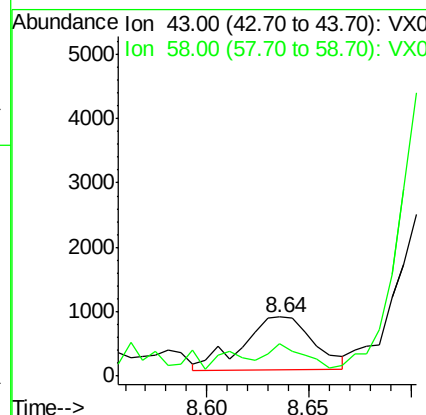
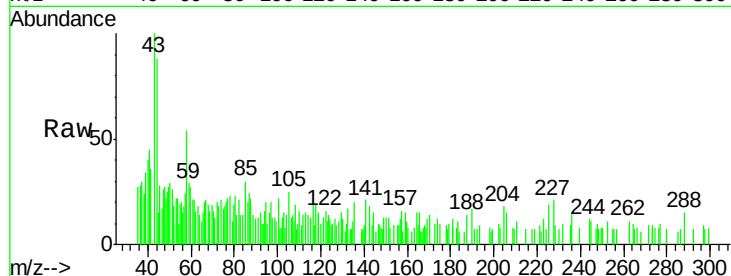




#51
 4-Methyl-2-Pentanone
 Concen: 0.276 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014606.D
 Acq: 14 Jan 2020 16:23

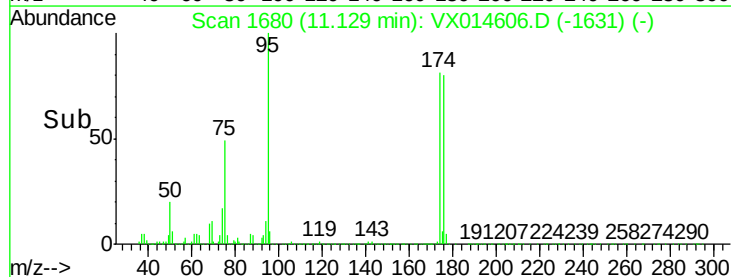
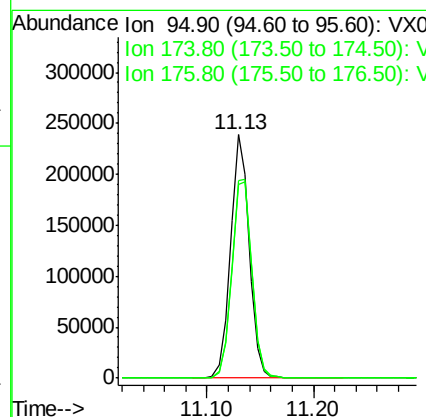
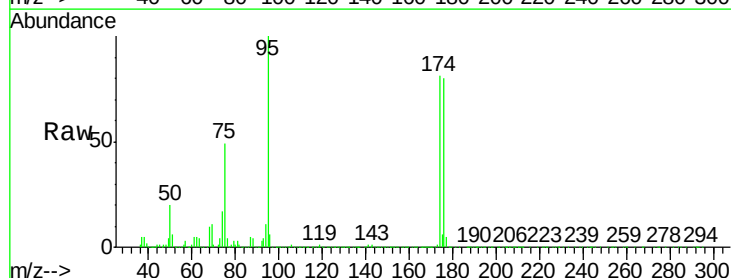
Instrument :
 MSVOA_X
 ClientSampleId :
 FEQCFB-01-14-20

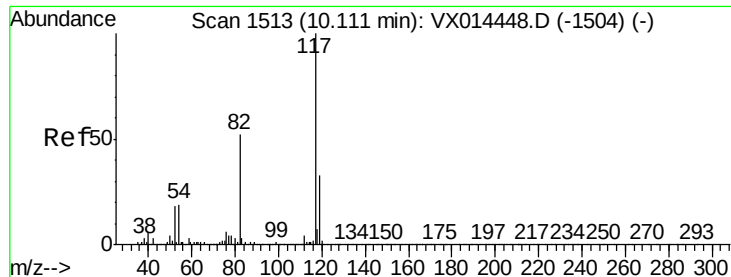
Tgt Ion: 43 Resp: 2036
 Ion Ratio Lower Upper
 43 100
 58 28.7 32.4 48.6#



#62
 4-Bromofluorobenzene
 Concen: 46.296 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VX014606.D
 Acq: 14 Jan 2020 16:23

Tgt Ion: 95 Resp: 292652
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 180.8
 176 87.1 0.0 172.8

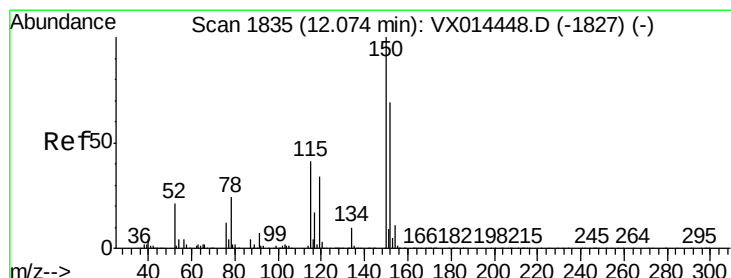
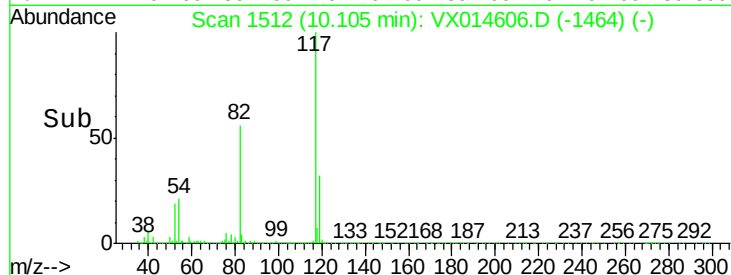
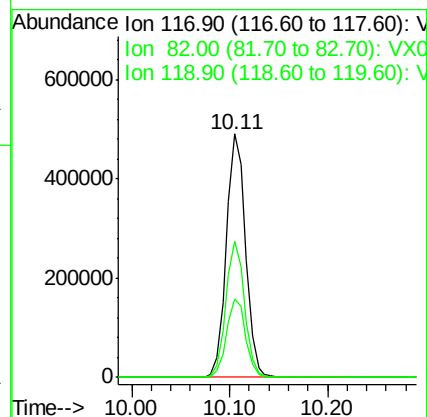
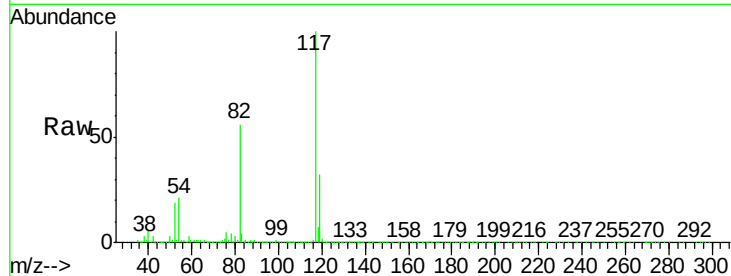




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014606.D
Acq: 14 Jan 2020 16:23

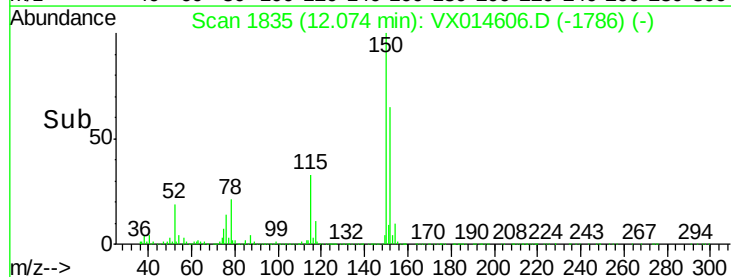
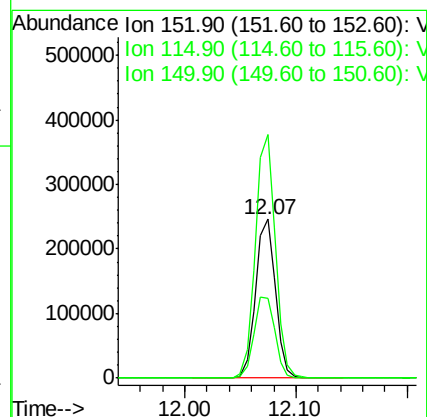
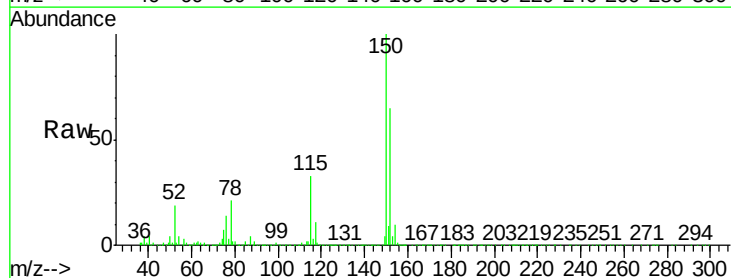
Instrument :
MSVOA_X
ClientSampleId :
FEQCFB-01-14-20

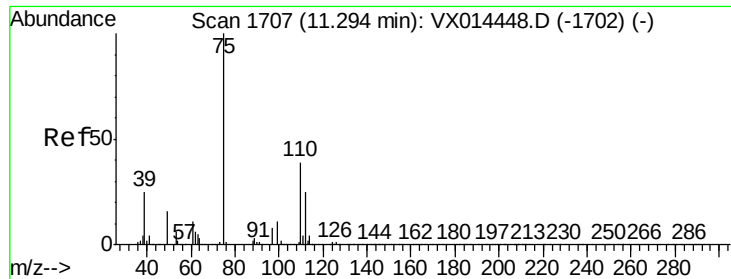
Tgt Ion:117 Resp: 667719
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.6
119 32.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014606.D
Acq: 14 Jan 2020 16:23

Tgt Ion:152 Resp: 305264
Ion Ratio Lower Upper
152 100
115 53.8 39.5 118.3
150 153.4 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 22.896 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

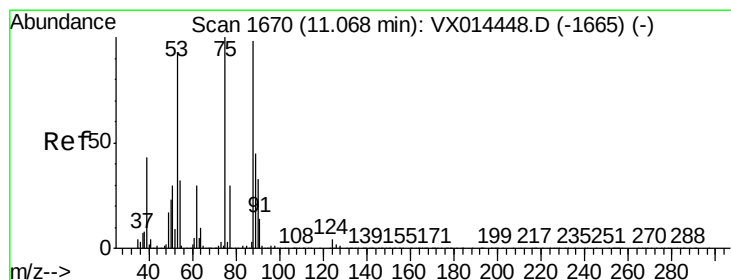
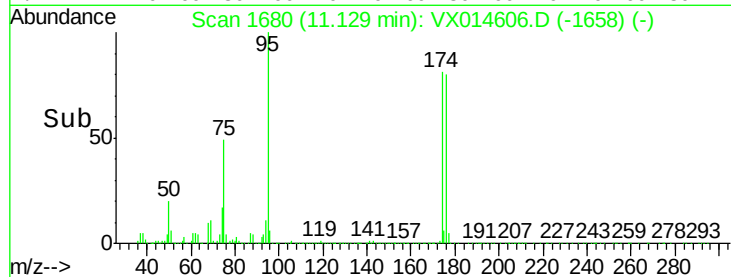
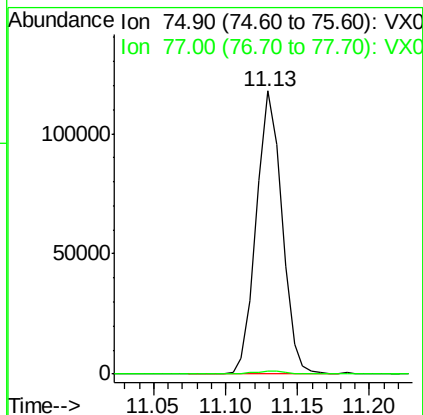
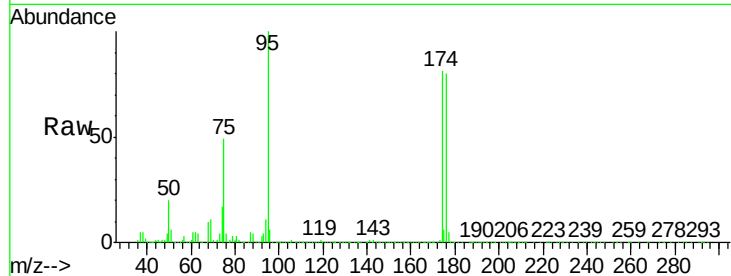
FEQCFB-01-14-20

Tgt Ion: 75 Resp: 144609

Ion Ratio Lower Upper

75 100

77 1.3 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.532 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

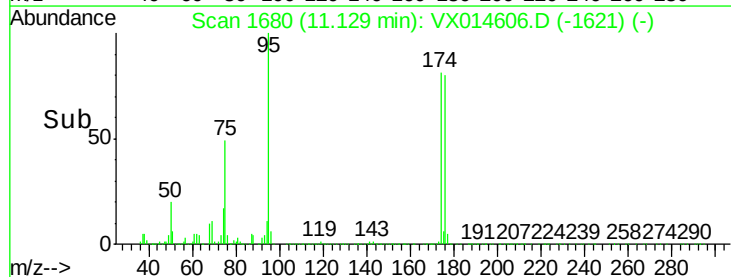
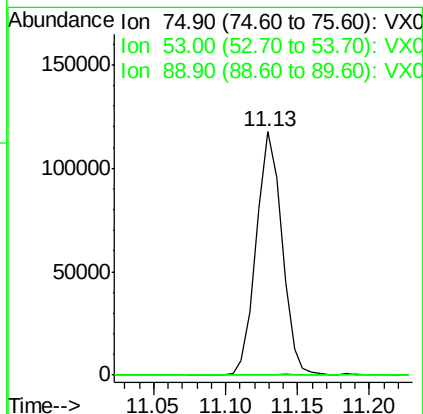
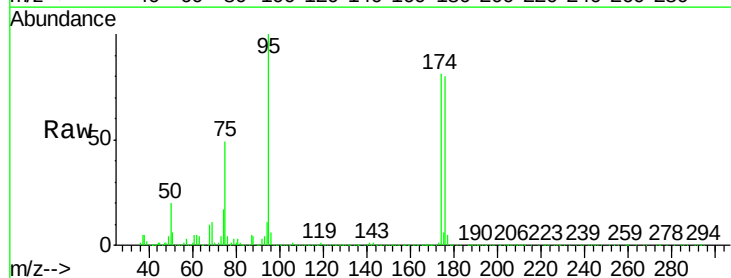
Tgt Ion: 75 Resp: 144609

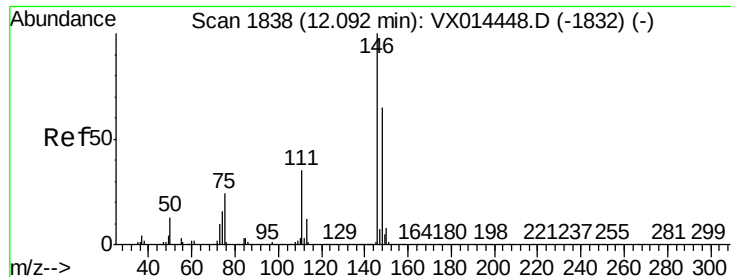
Ion Ratio Lower Upper

75 100

53 0.4 74.8 112.2#

89 0.0 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

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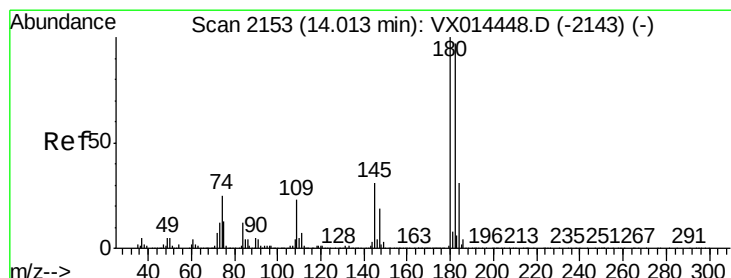
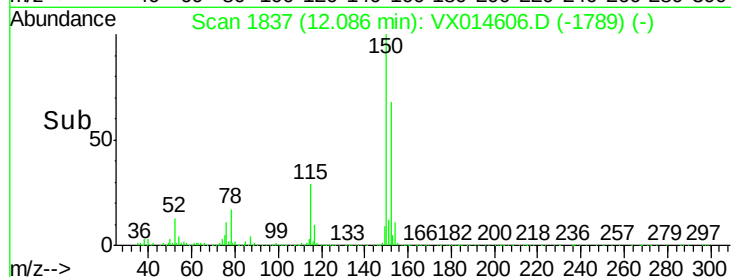
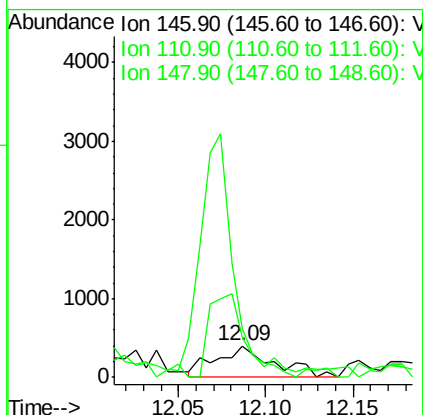
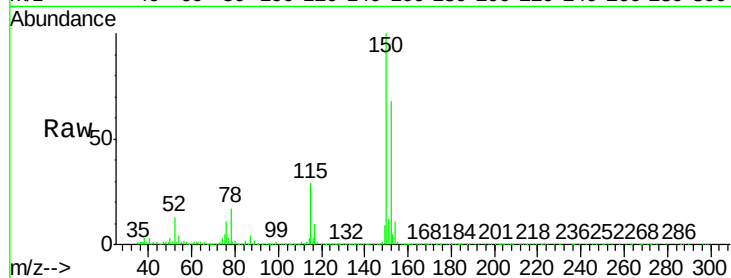
Tgt Ion:146 Resp: 924

Ion Ratio Lower Upper

146 100

111 446.4 18.1 54.1#

148 165.7 32.1 96.3#



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.11 min Scan# 2169

Delta R.T. 0.10 min

Lab File: VX014606.D

Acq: 14 Jan 2020 16:23

Tgt Ion:180 Resp: 254

Ion Ratio Lower Upper

180 100

182 56.7 47.9 143.6

145 32.7 14.8 44.3

