

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
 Data File : VX015009.D
 Acq On : 26 Feb 2020 10:50
 Operator : JC/SP
 Sample : L1683-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01-20200225

Quant Time: Feb 26 12:52:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	443466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	692263	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	666189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	332935	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	249343	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.49	113	211730	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.71	98	831774	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.13	95	301802	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

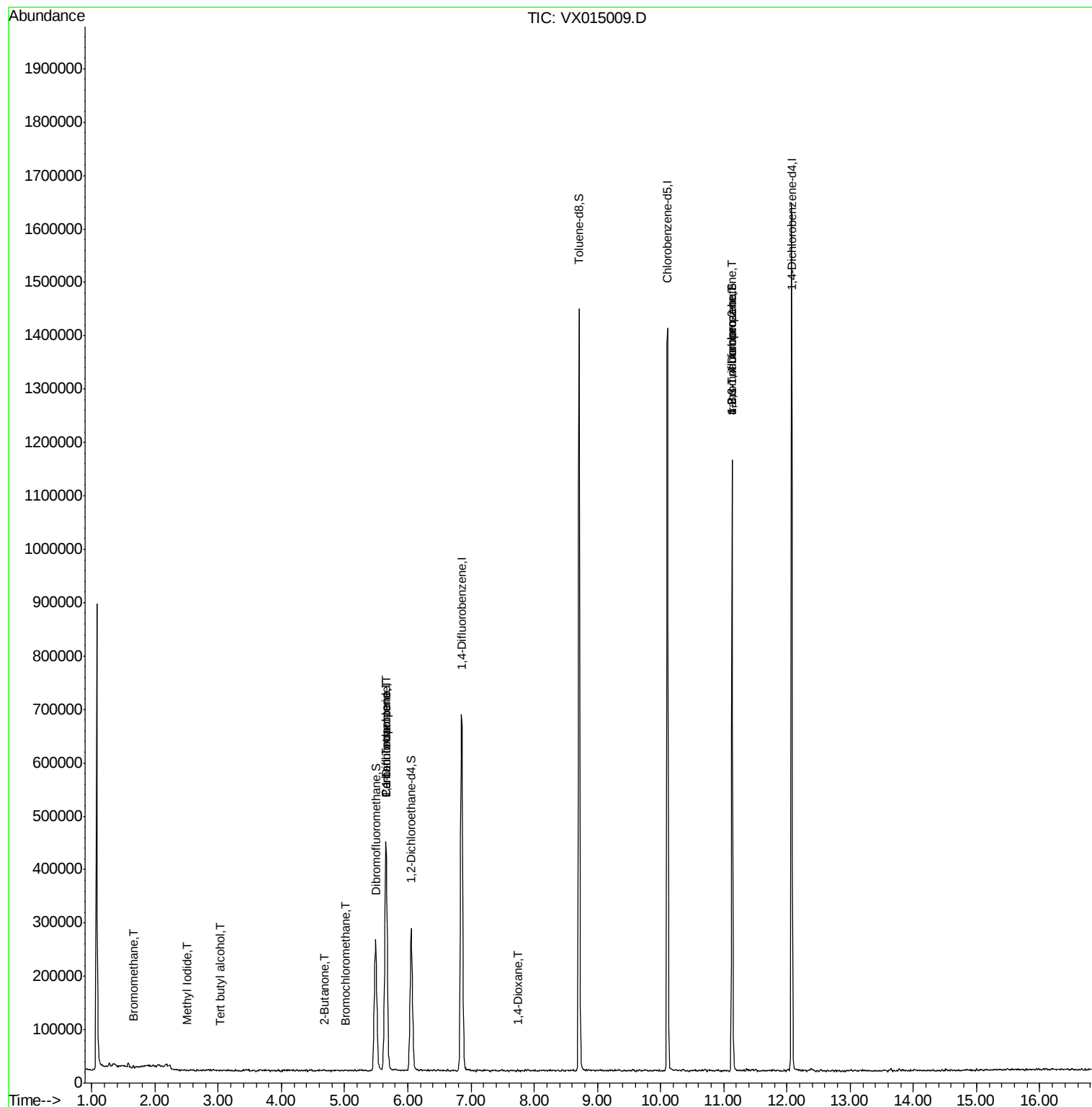
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1265	0.38	ug/l	92
10) Methyl Iodide	2.51	142	1641	4.69	ug/l #	90
11) Tert butyl alcohol	3.03	59	412	0.47	ug/l #	1
16) Acetone	2.44	43	226	Below Cal	#	1
25) 2-Butanone	4.67	43	915	0.27	ug/l #	63
28) Bromochloromethane	5.03	49	885	0.29	ug/l #	33
36) 1,1-Dichloropropene	5.65	75	30213	4.88	ug/l #	50
38) Carbon Tetrachloride	5.65	117	37946	6.29	ug/l #	18
49) 1,4-Dioxane	7.73	88	121	1.23	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	149586	24.85	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	149586	63.60	ug/l #	11

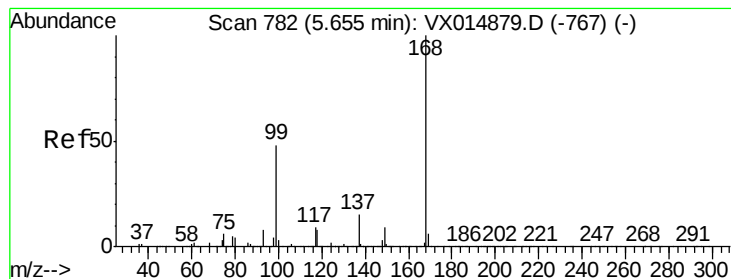
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

Instrument :

MSVOA_X

ClientSampleId :

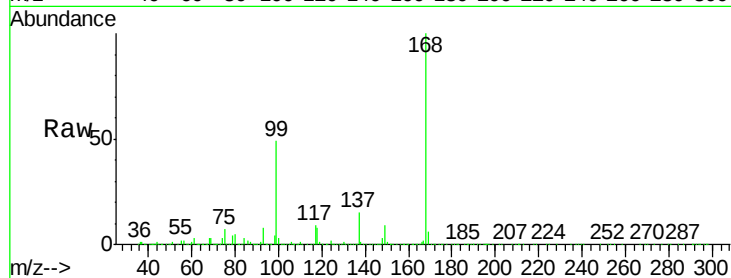
FB-01-20200225

Tgt Ion:168 Resp: 443466

Ion Ratio Lower Upper

168 100

99 49.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

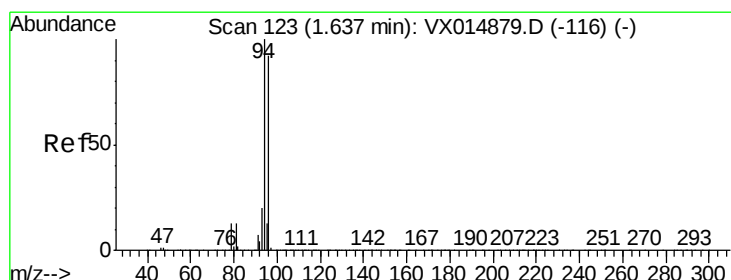
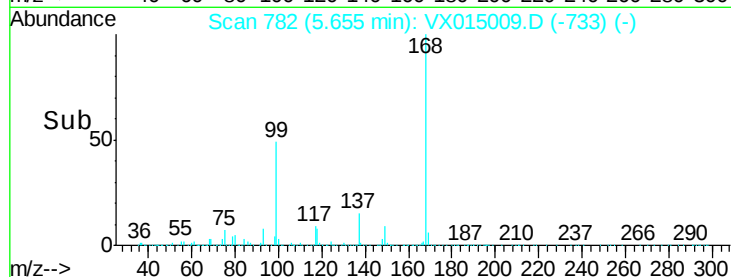
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.38 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX015009.D

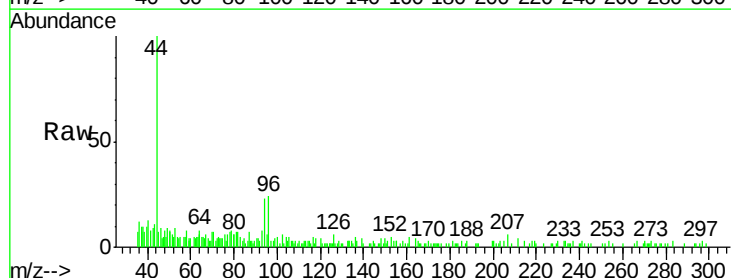
Acq: 26 Feb 2020 10:50

Tgt Ion: 94 Resp: 1265

Ion Ratio Lower Upper

94 100

96 99.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

800

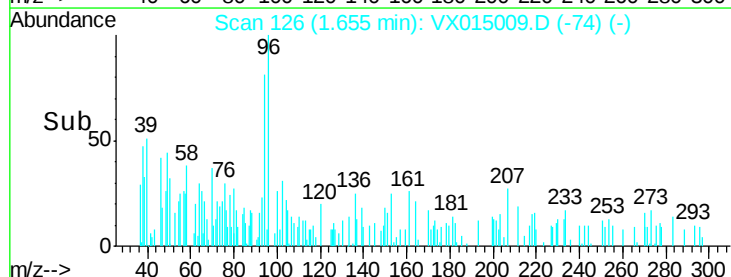
600

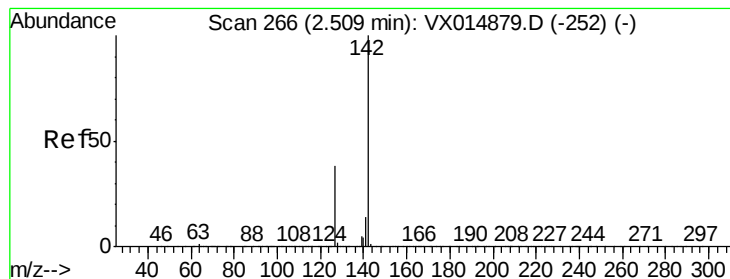
400

200

0

Time-->





#10

Methyl Iodide

Concen: 4.69 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

Instrument :

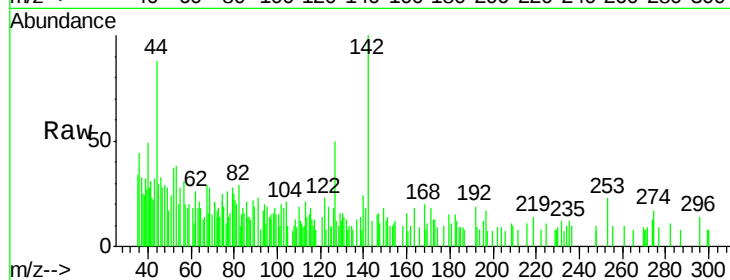
MSVOA_X

ClientSampleId :

FB-01-20200225

Tgt Ion: 142 Resp: 1641

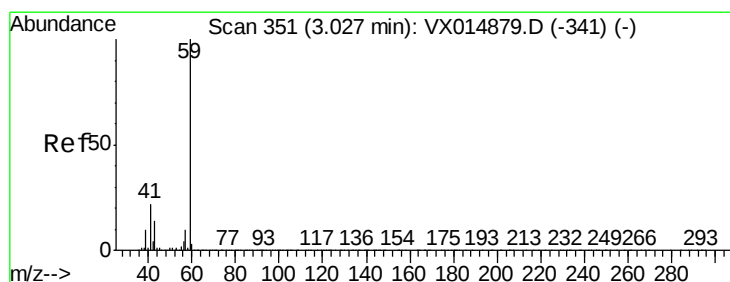
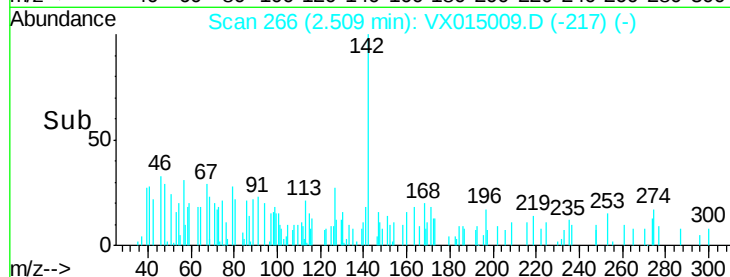
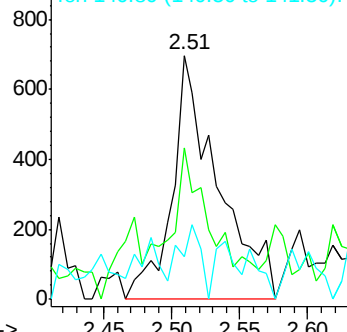
Ion	Ratio	Lower	Upper
142	100		
127	30.2	31.1	46.7#
141	14.0	11.3	16.9



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



#11

Tert butyl alcohol

Concen: 0.47 ug/l

RT: 3.03 min Scan# 351

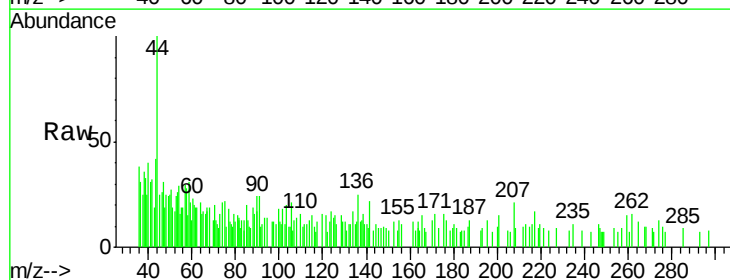
Delta R.T. -0.00 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

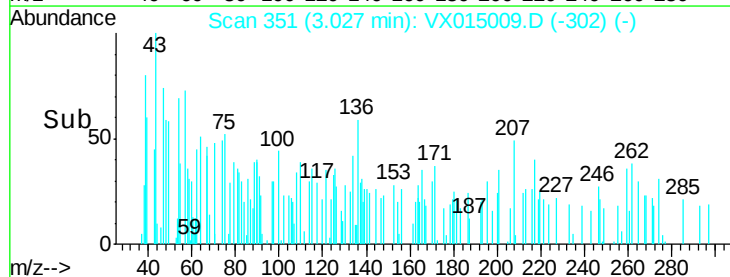
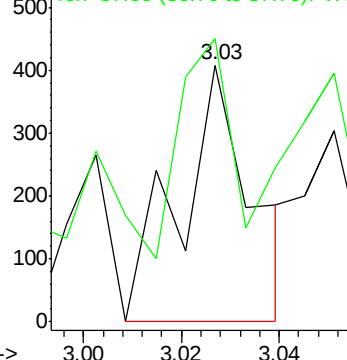
Tgt Ion: 59 Resp: 412

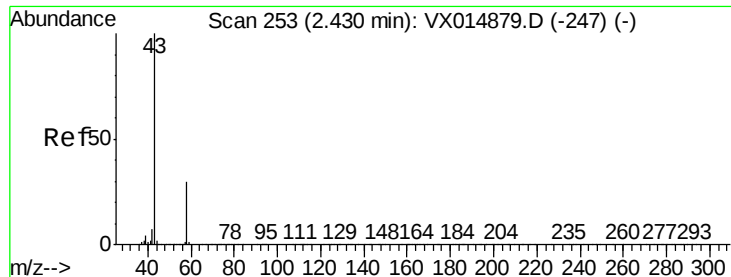
Ion	Ratio	Lower	Upper
59	100		
57	63.1	8.2	12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

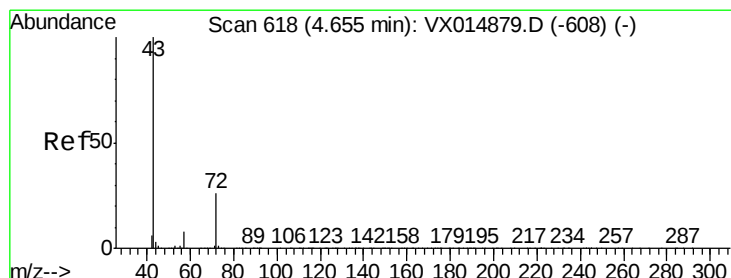
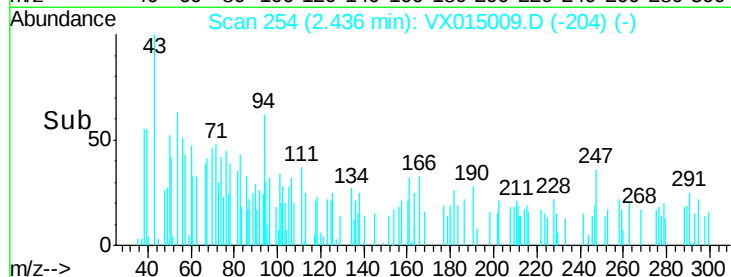
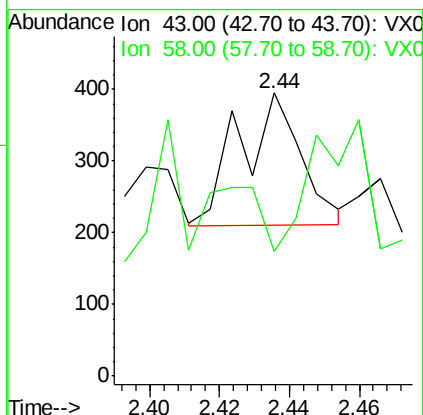
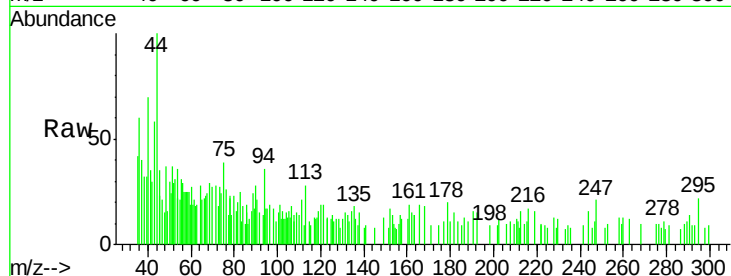




#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX015009.D
Acq: 26 Feb 2020 10:50

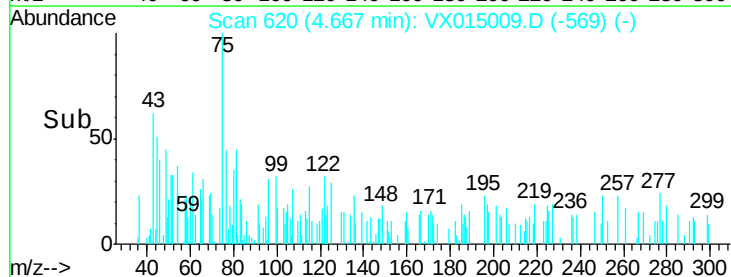
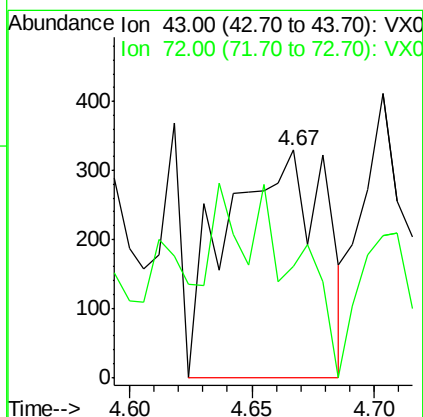
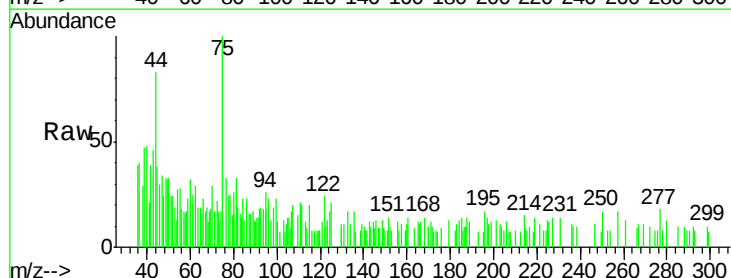
Instrument :
MSVOA_X
ClientSampleId :
FB-01-20200225

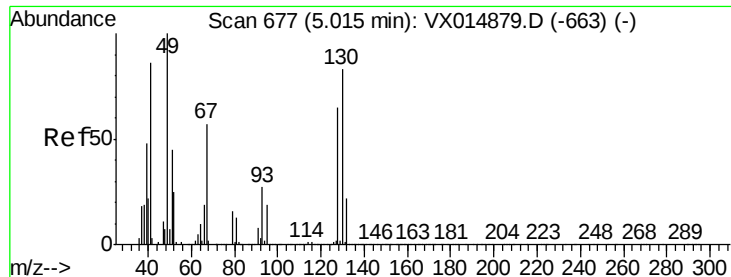
Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
58 93.4 24.1 36.1#



#25
2-Butanone
Concen: 0.27 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX015009.D
Acq: 26 Feb 2020 10:50

Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
72 7.6 21.0 31.6#





#28

Bromochloromethane

Concen: 0.29 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200225

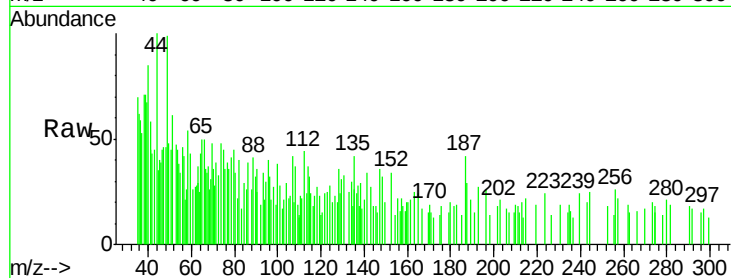
Tgt Ion: 49 Resp: 885

Ion Ratio Lower Upper

49 100

129 23.3 0.0 5.2#

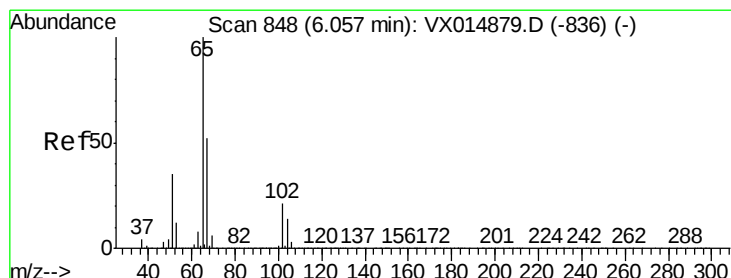
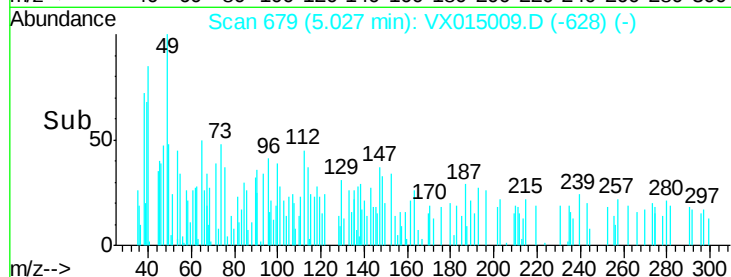
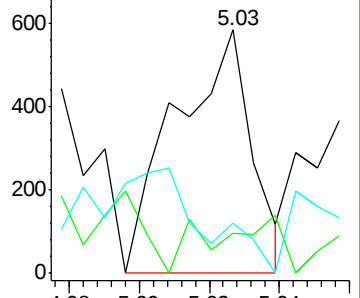
130 23.3 67.4 101.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 49.82 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015009.D

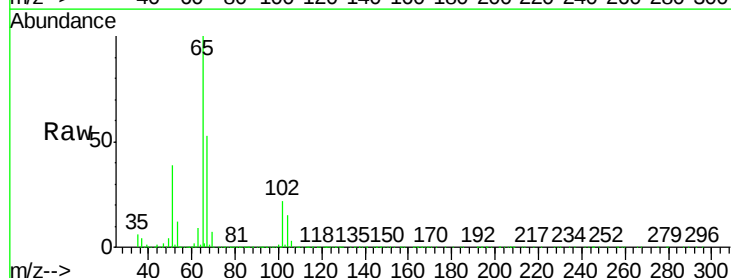
Acq: 26 Feb 2020 10:50

Tgt Ion: 65 Resp: 249343

Ion Ratio Lower Upper

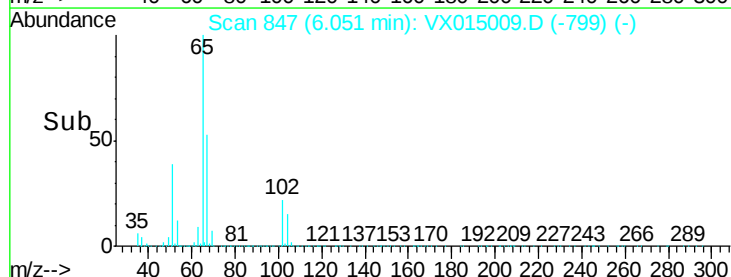
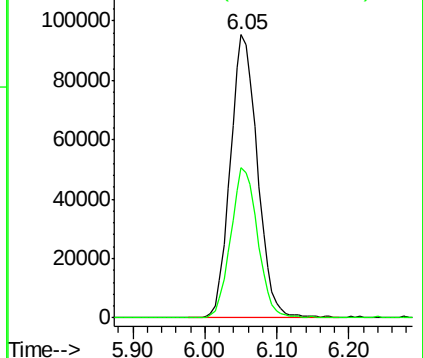
65 100

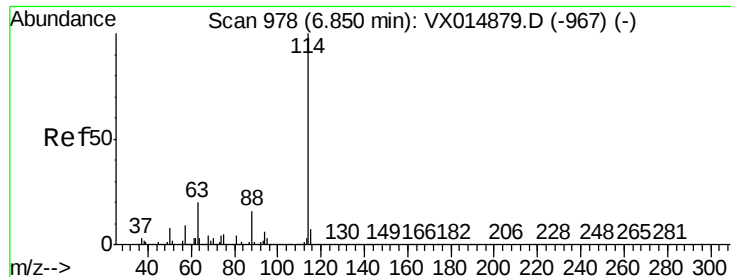
67 52.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

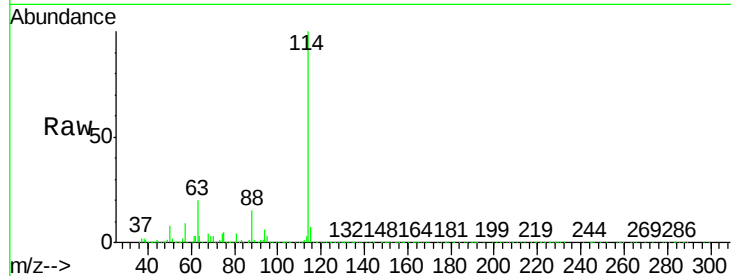
Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200225

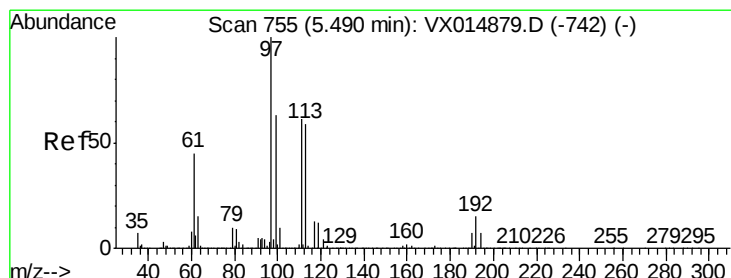
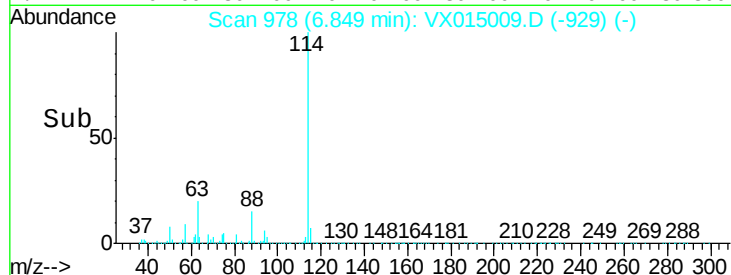
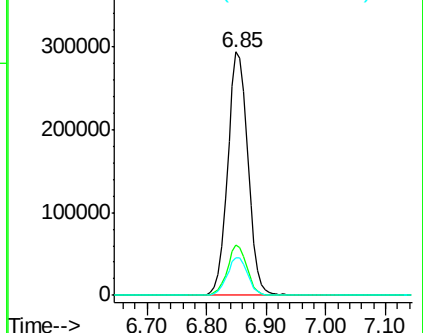
Tgt Ion:	114	Resp:	692263
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.2
88	15.3	0.0	32.0



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: 49.75 ug/l

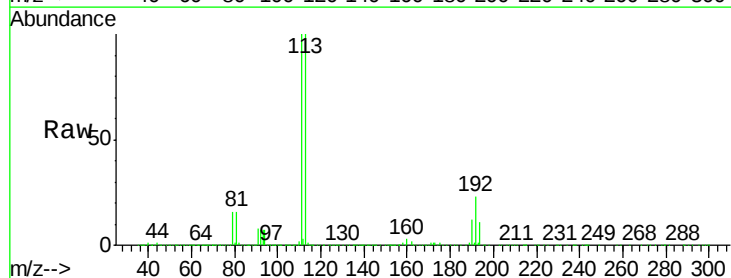
RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

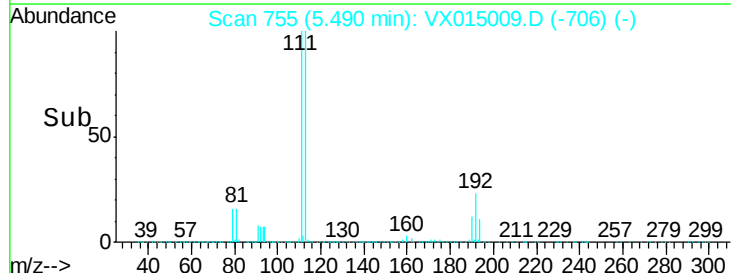
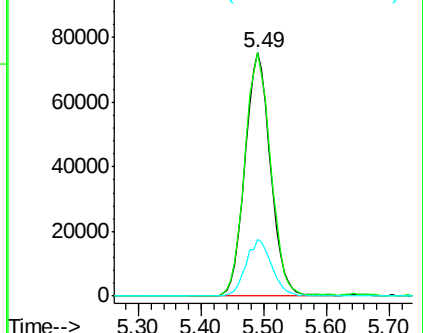
Tgt Ion:	113	Resp:	211730
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	23.5	19.1	28.7

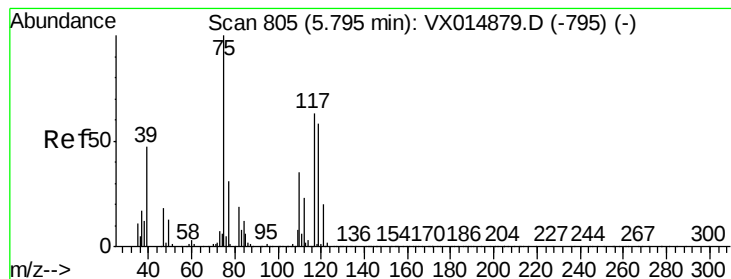


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

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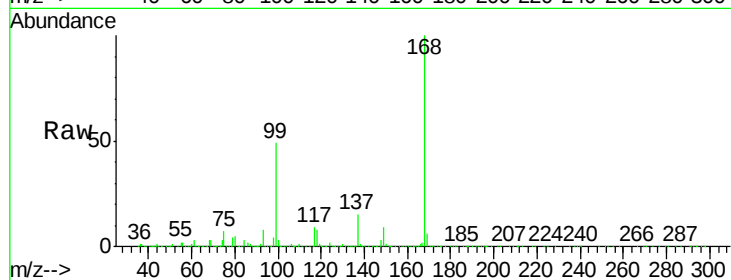
Tgt Ion: 75 Resp: 30213

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

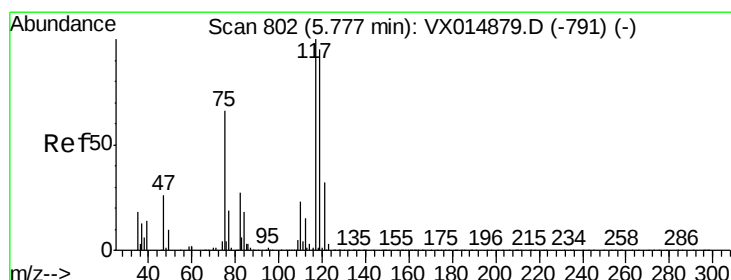
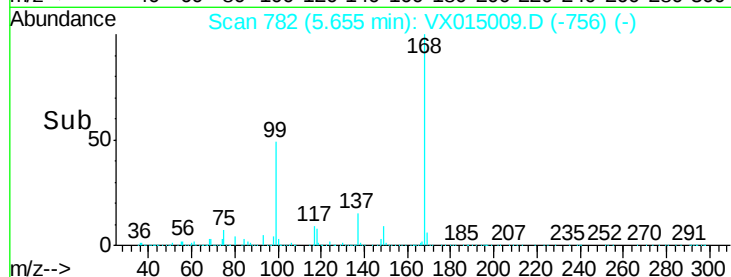
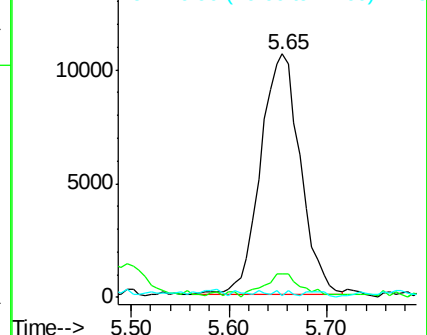
77 0.5 24.6 36.8#



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: 6.29 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

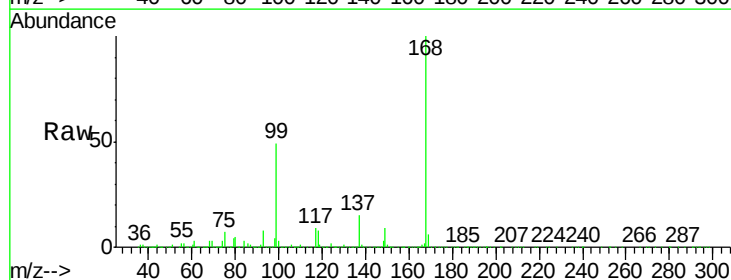
Tgt Ion: 117 Resp: 37946

Ion Ratio Lower Upper

117 100

119 7.0 76.0 114.0#

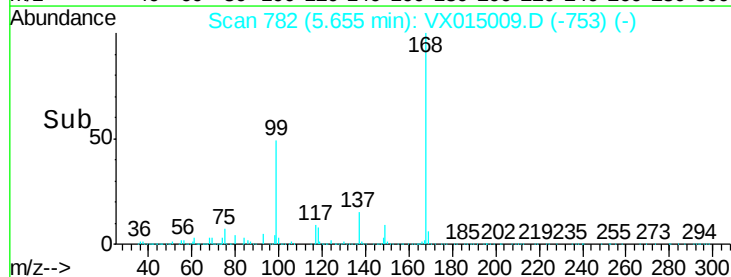
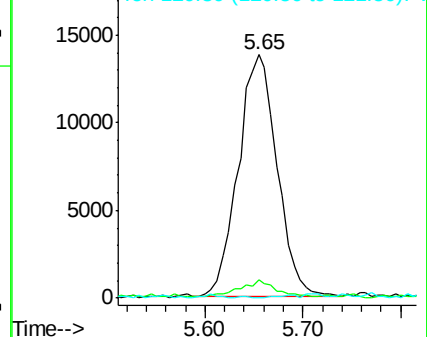
121 0.0 25.4 38.2#

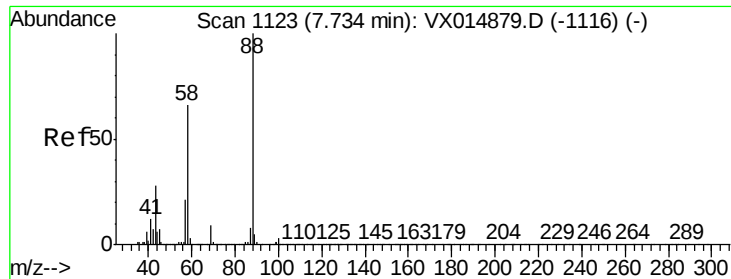


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.23 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

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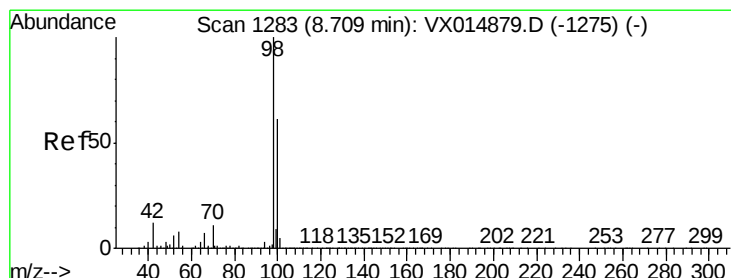
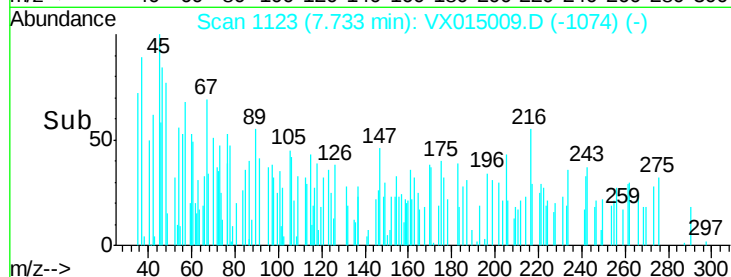
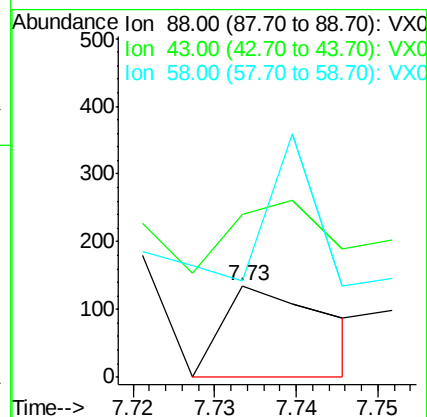
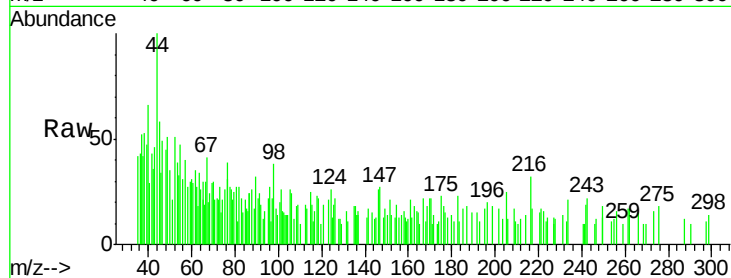
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 69.4 27.0 40.4#

58 171.1 53.2 79.8#



#50

Toluene-d8

Concen: 51.20 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015009.D

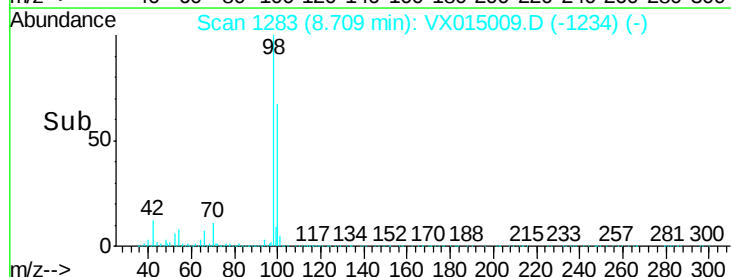
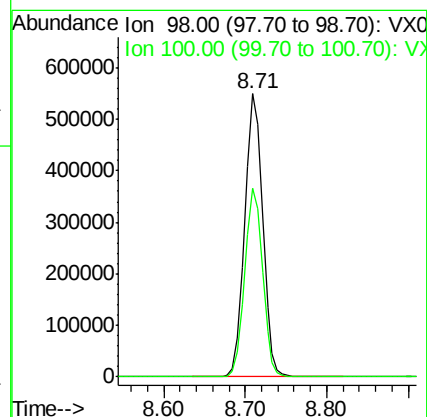
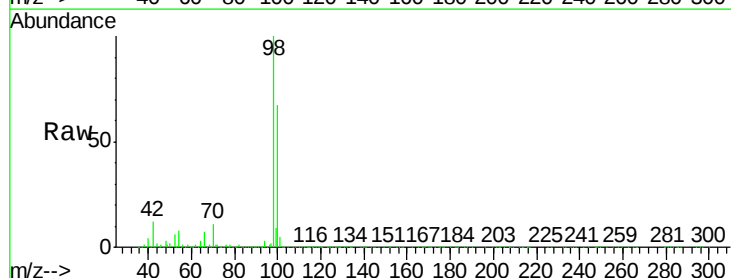
Acq: 26 Feb 2020 10:50

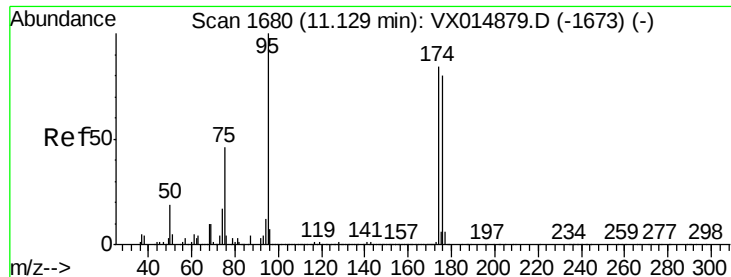
Tgt Ion: 98 Resp: 831774

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6

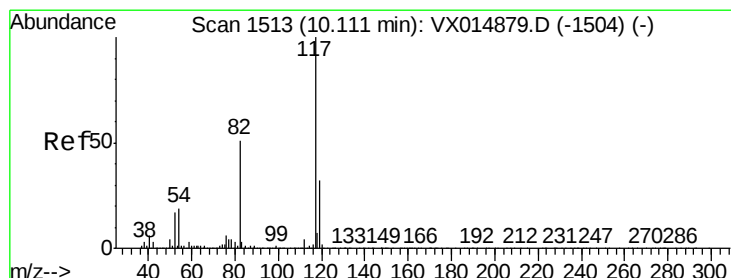
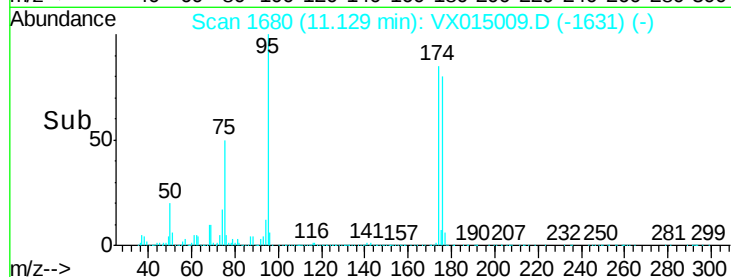
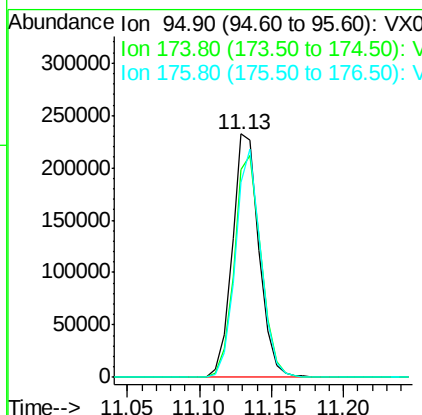
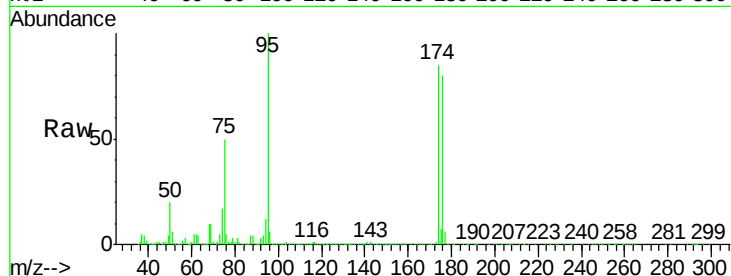




#62
4-Bromofluorobenzene
Concen: 51.57 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015009.D
Acq: 26 Feb 2020 10:50

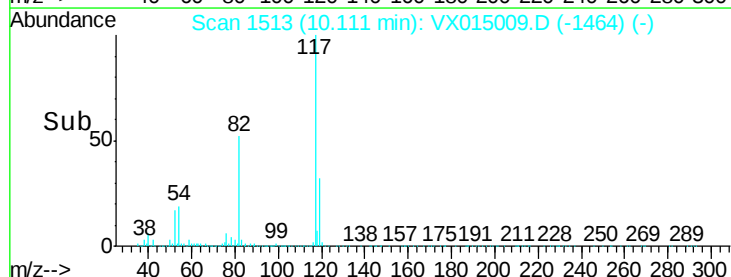
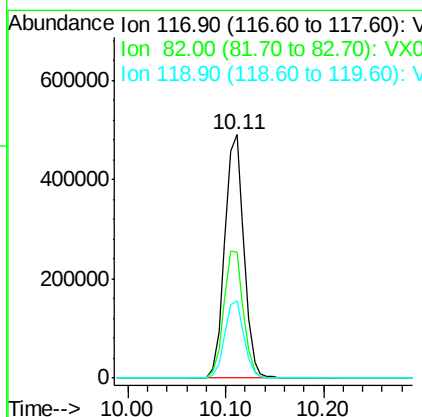
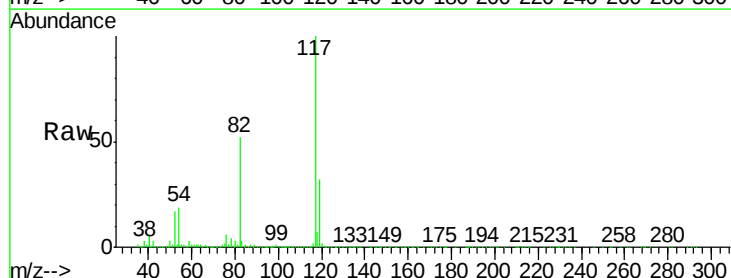
Instrument :
MSVOA_X
ClientSampleId :
FB-01-20200225

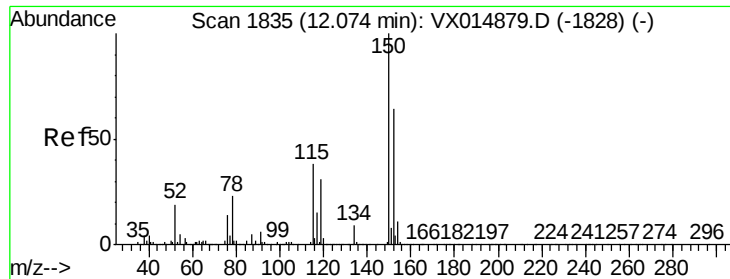
Tgt Ion: 95 Resp: 301802
Ion Ratio Lower Upper
95 100
174 91.4 0.0 183.0
176 89.0 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015009.D
Acq: 26 Feb 2020 10:50

Tgt Ion: 117 Resp: 666189
Ion Ratio Lower Upper
117 100
82 51.8 40.5 60.7
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200225

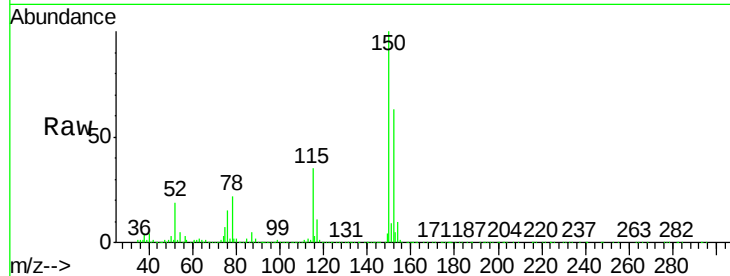
Tgt Ion: 152 Resp: 332935

Ion Ratio Lower Upper

152 100

115 55.6 38.6 116.0

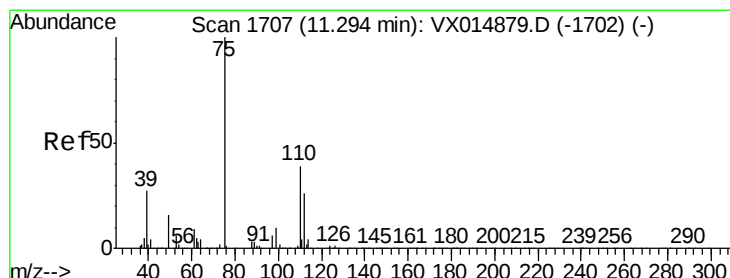
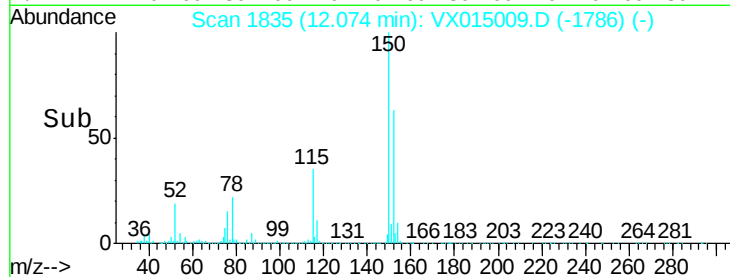
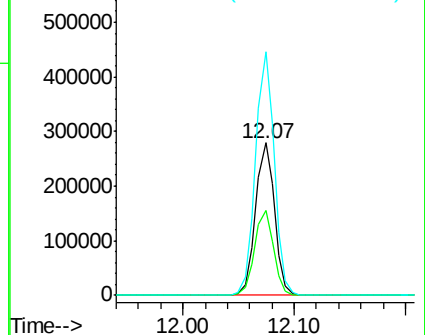
150 157.6 0.0 349.0



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: 24.85 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015009.D

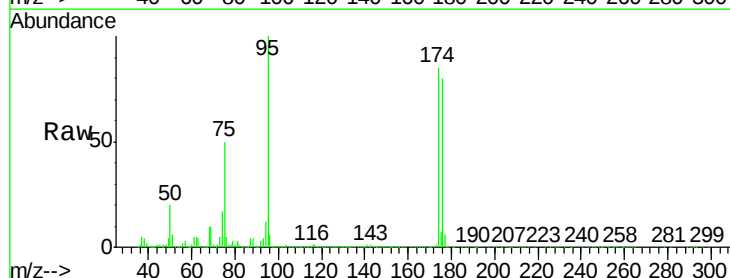
Acq: 26 Feb 2020 10:50

Tgt Ion: 75 Resp: 149586

Ion Ratio Lower Upper

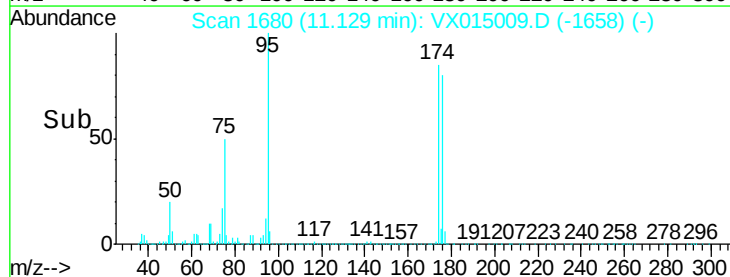
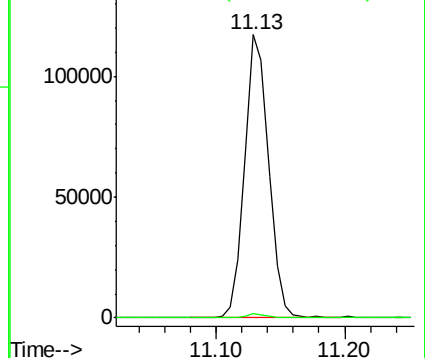
75 100

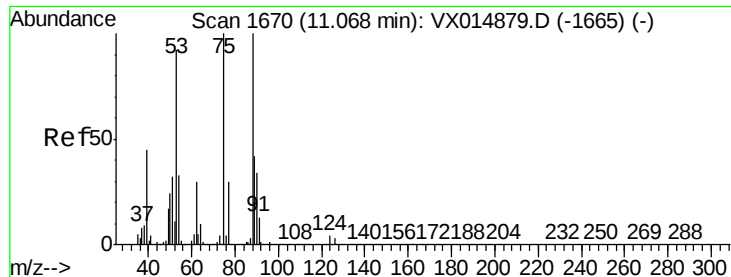
77 1.7 18.4 55.0#



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: 63.60 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015009.D

Acq: 26 Feb 2020 10:50

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200225

Tgt Ion: 75 Resp: 149586

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 35.8 53.6#

