

Data File : VX001972.D

Acq On : 25 May 2018 13:04

Operator : JC/MD

Sample : J3076-05

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20180521

Quant Time: May 26 00:36:08 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	341825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	509404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	465000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	245756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	334407	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	5.51	113	258995	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	8.72	98	934887	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.14	95	339550	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	397	Below Cal		79
5) Bromomethane	1.65	94	1691	Below Cal	#	80
10) Methyl Iodide	2.53	142	3202	0.56	ug/l #	74
11) Tert butyl alcohol	3.07	59	282	0.24	ug/l #	1
13) Acrolein	2.30	56	249	0.48	ug/l #	78
16) Acetone	2.45	43	6524	2.77	ug/l	91
17) Carbon Disulfide	2.57	76	3050	0.27	ug/l #	90
18) Methyl Acetate	2.78	43	1274	Below Cal		100
20) Methylene Chloride	2.86	84	1474	Below Cal		94
21) trans-1,2-Dichloroethene	3.16	96	709	Below Cal	#	69
28) Bromochloromethane	5.02	49	145	Below Cal	#	14
38) Carbon Tetrachloride	5.67	117	31351	3.79	ug/l #	15
41) Methacrylonitrile	5.07	41	47	Below Cal	#	1
49) 1,4-Dioxane	7.76	88	37	0.27	ug/l #	1
74) N-amyl acetate	6.49	43	365	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.27	83	243	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	177505	30.07	ug/l #	33
79) 2-Chlorotoluene	11.43	91	1094	Below Cal		85
81) trans-1,4-Dichloro-2-buten	11.14	75	177505	72.27	ug/l #	10

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

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ClientSampleId :

FB-20180521

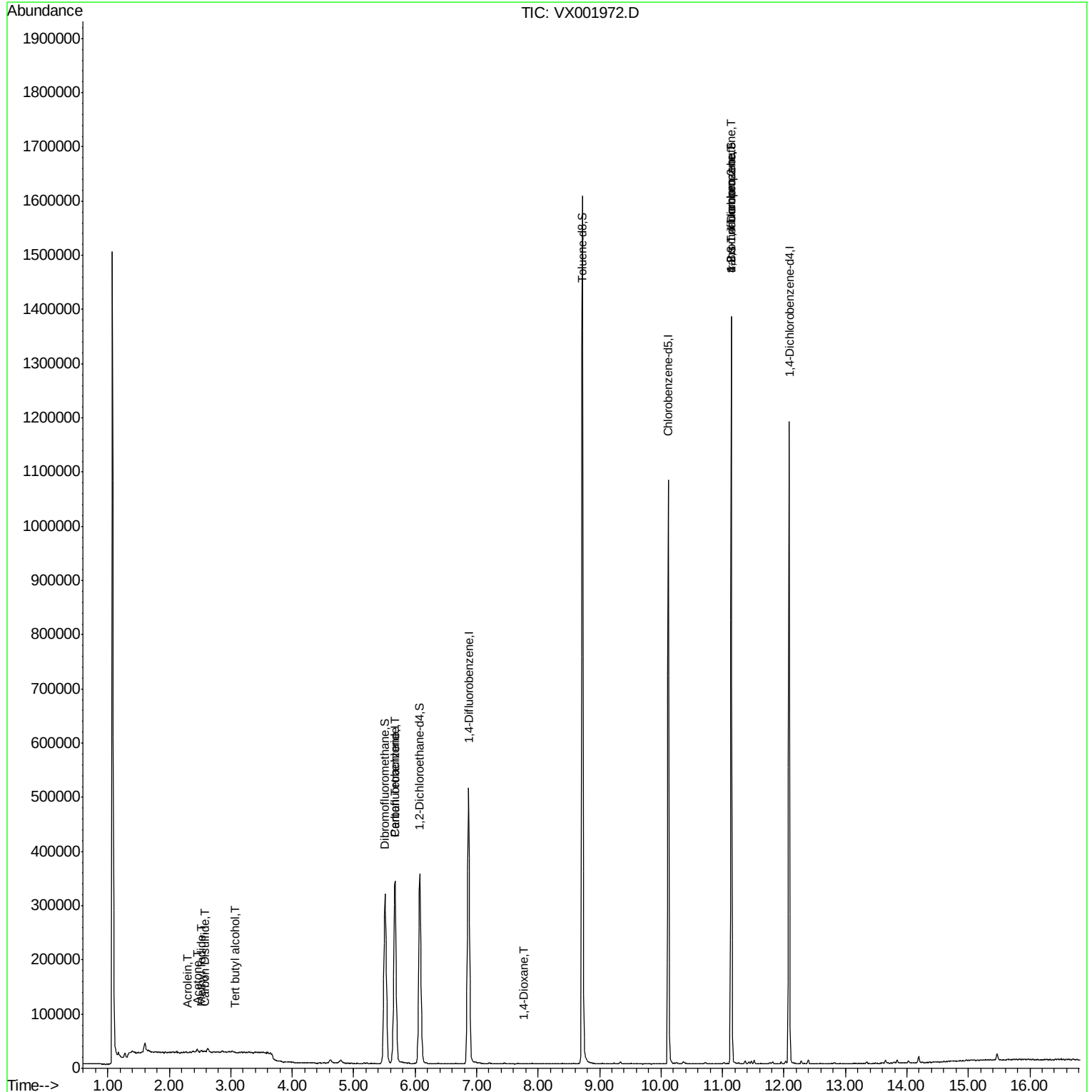
Quant Time: May 26 00:36:08 2018

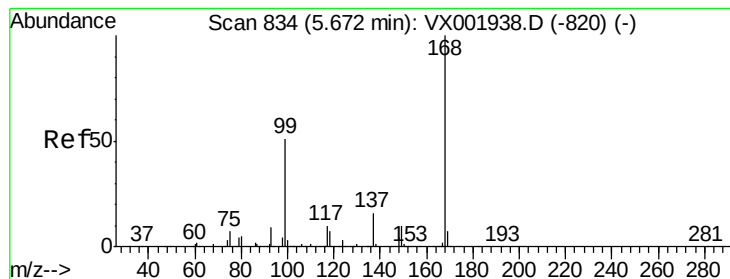
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

Instrument :

MSVOA_X

ClientSampled :

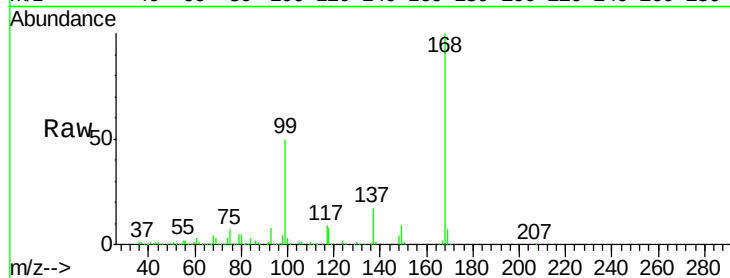
FB-20180521

Tgt Ion:168 Resp: 341825

Ion Ratio Lower Upper

168 100

99 49.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

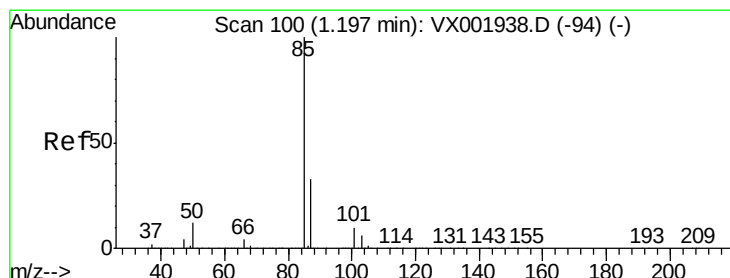
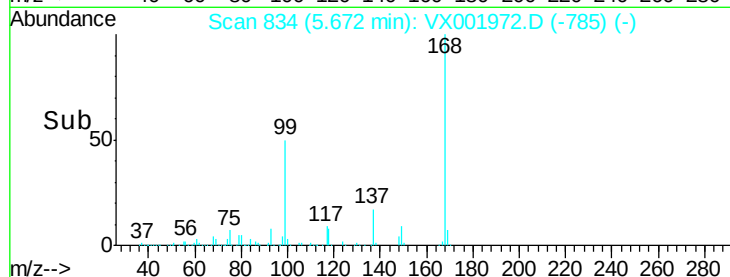
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001972.D

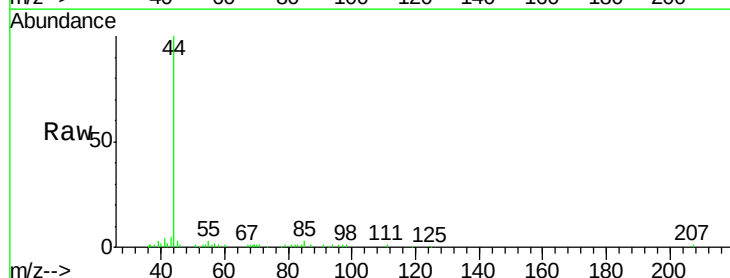
Acq: 25 May 2018 13:04

Tgt Ion: 85 Resp: 397

Ion Ratio Lower Upper

85 100

87 45.4 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

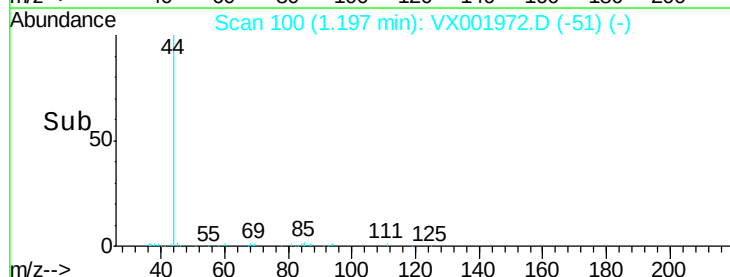
300

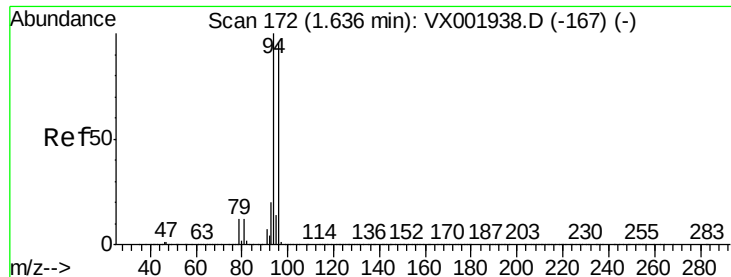
200

100

0

Time--> 1.15 1.20





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

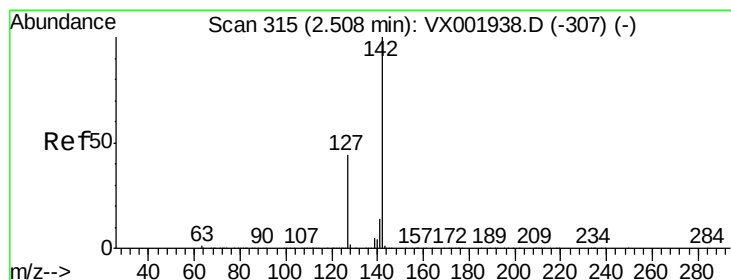
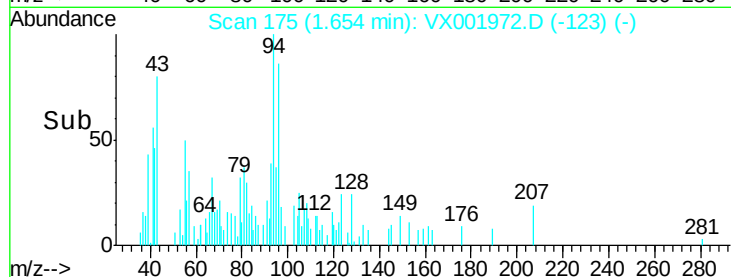
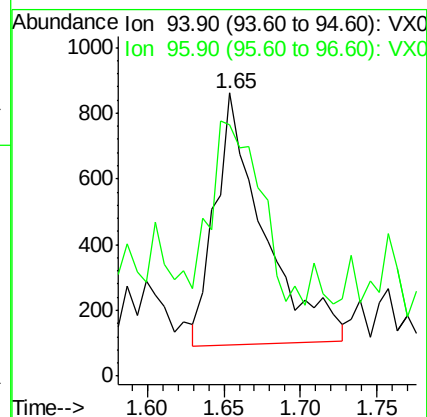
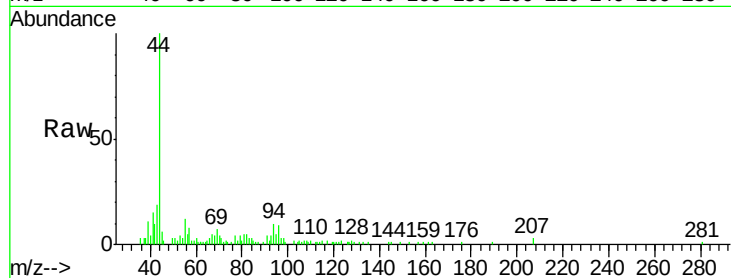
FB-20180521

Tgt Ion: 94 Resp: 1691

Ion Ratio Lower Upper

94 100

96 75.2 75.9 113.9#



#10

Methyl Iodide

Concen: 0.56 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

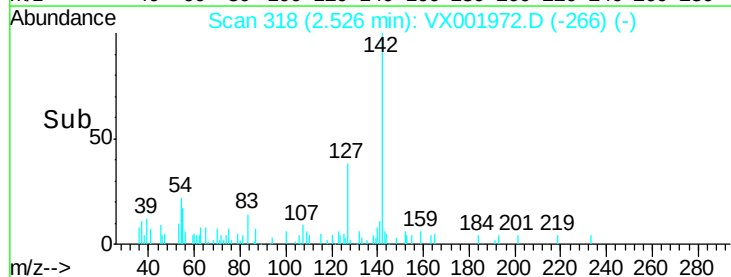
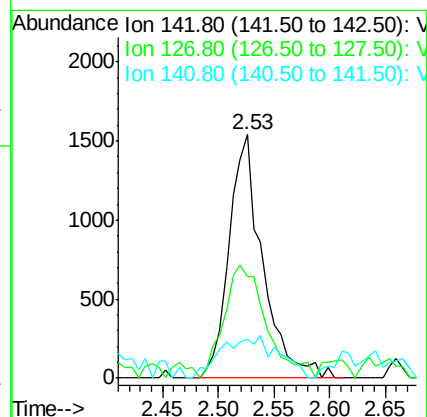
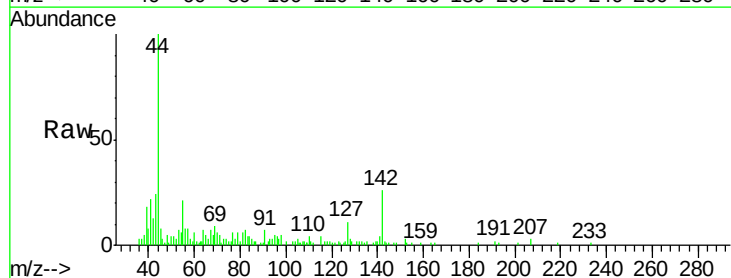
Tgt Ion: 142 Resp: 3202

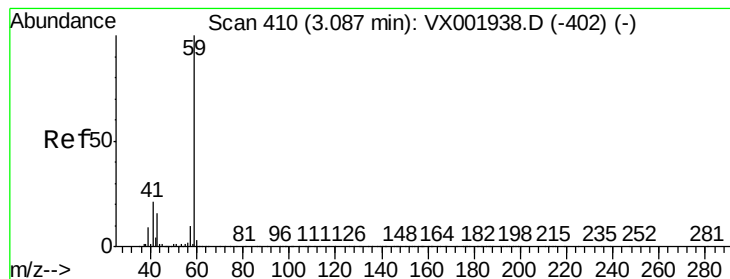
Ion Ratio Lower Upper

142 100

127 58.6 35.5 53.3#

141 29.5 11.3 16.9#



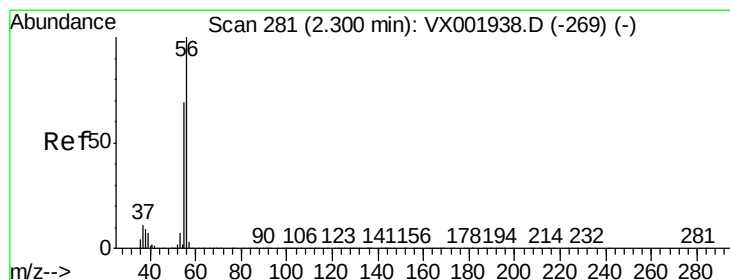
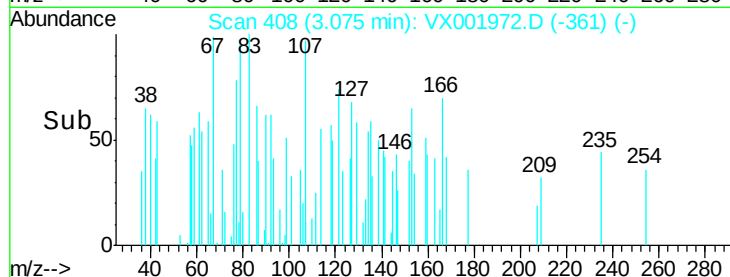
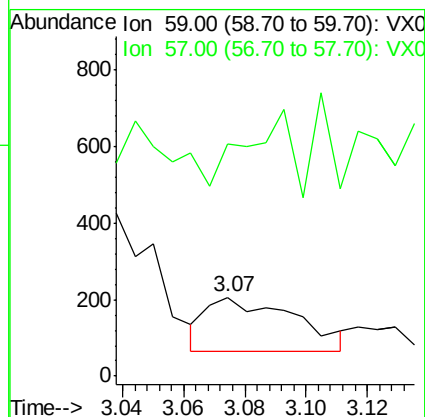
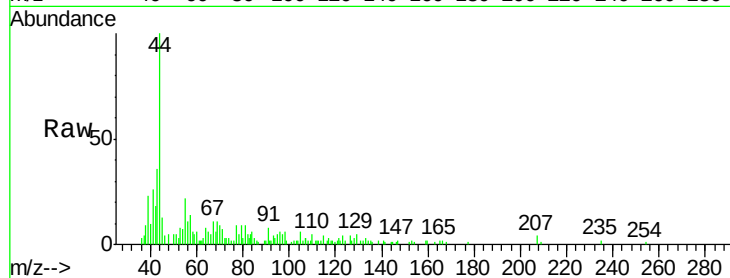


#11

Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

Instrument :
MSVOA_X
ClientSampled :
FB-20180521

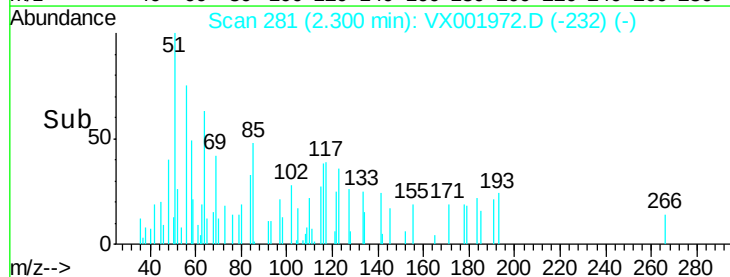
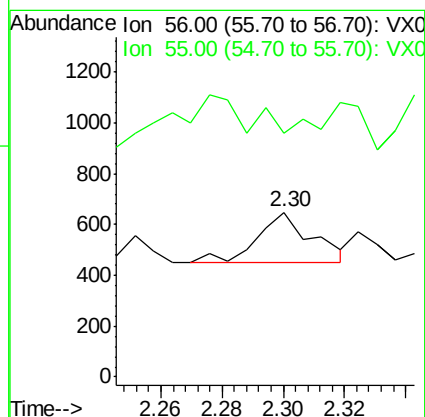
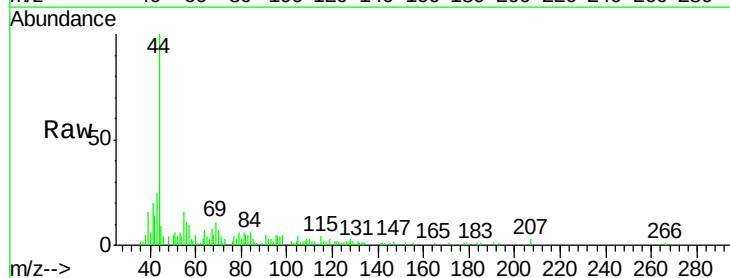
Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 86.9 8.9 13.3#

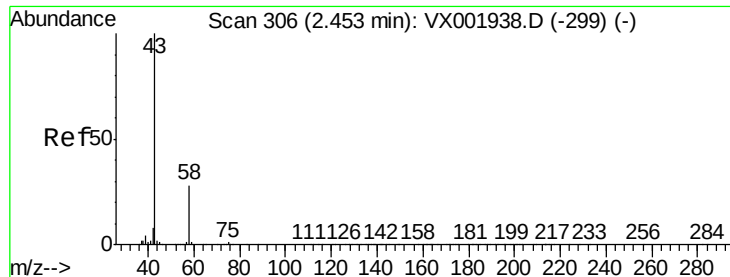


#13

Acrolein
Concen: 0.48 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 53.0 56.8 85.2#





#16

Acetone

Concen: 2.77 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

Instrument :

MSVOA_X

ClientSampled :

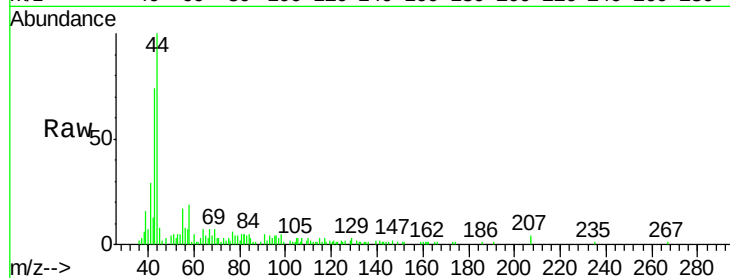
FB-20180521

Tgt Ion: 43 Resp: 6524

Ion Ratio Lower Upper

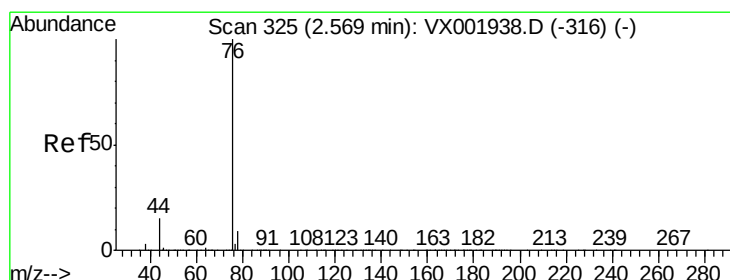
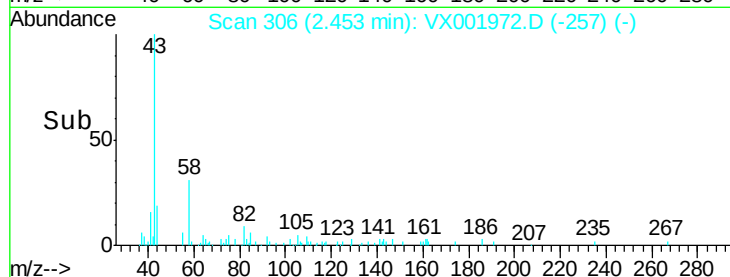
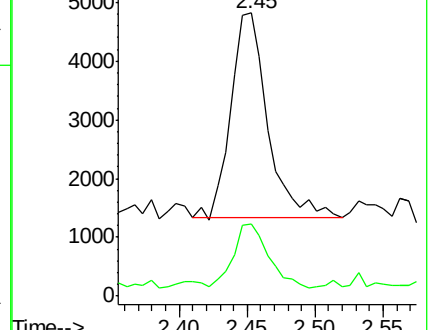
43 100

58 32.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001972.D

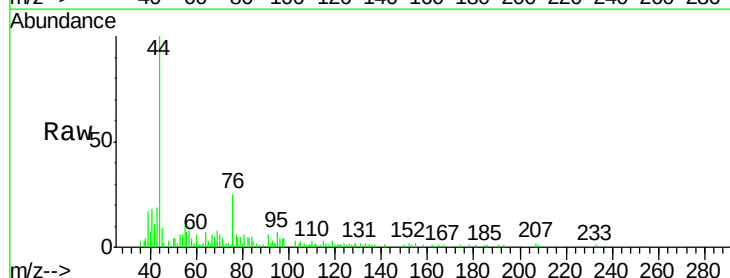
Acq: 25 May 2018 13:04

Tgt Ion: 76 Resp: 3050

Ion Ratio Lower Upper

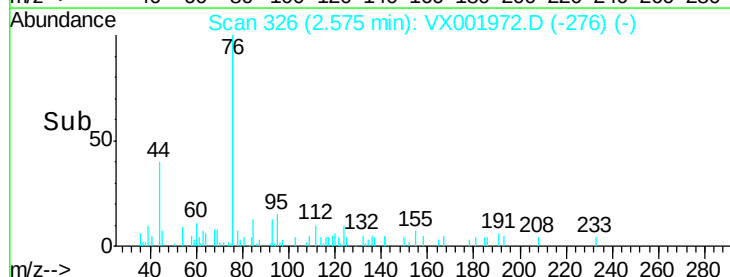
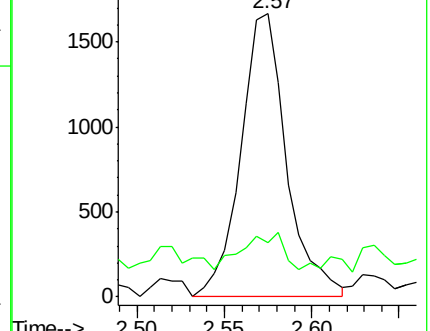
76 100

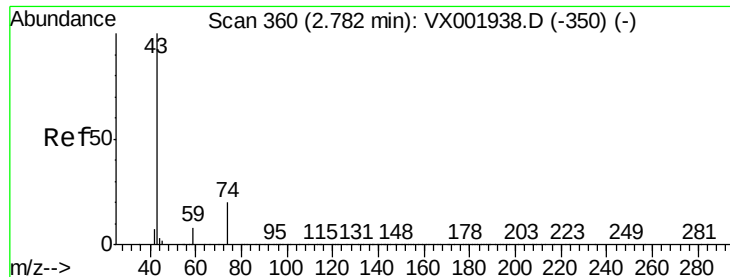
78 5.8 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

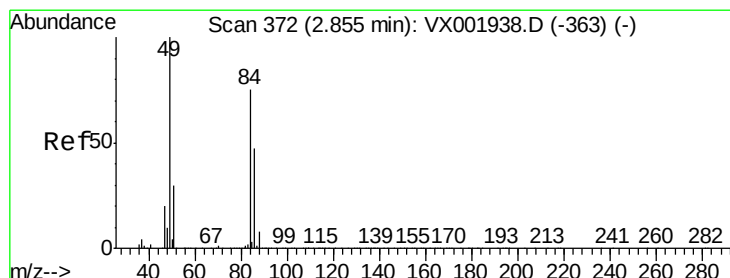
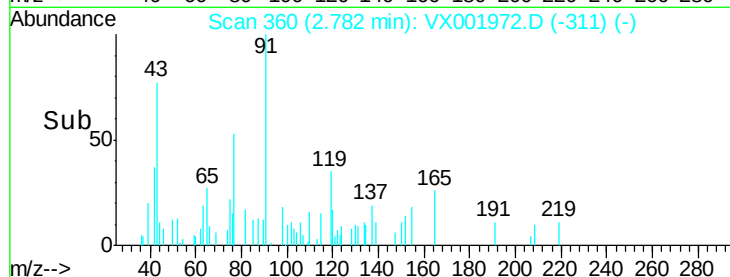
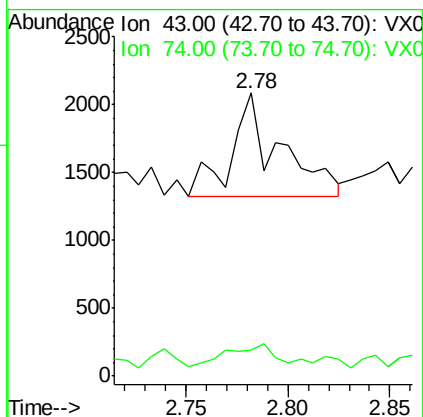
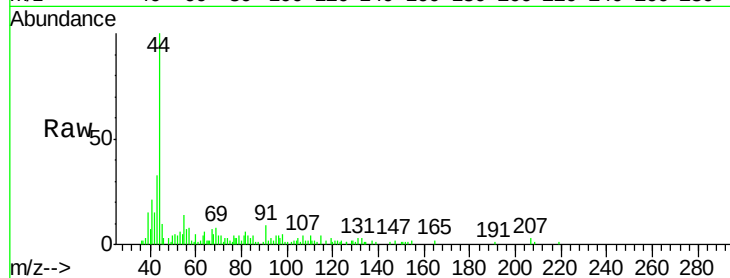




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

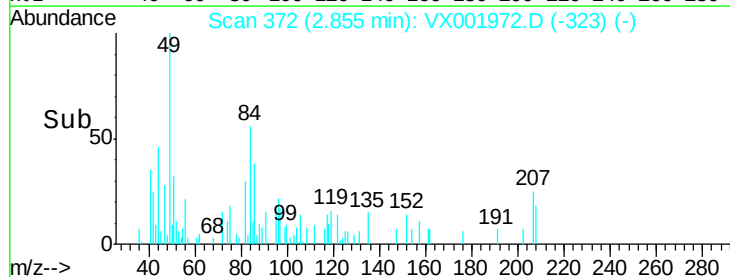
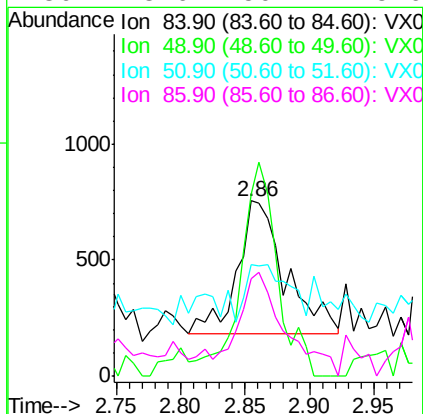
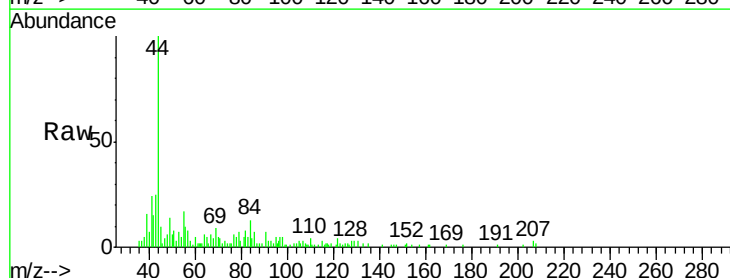
Instrument :
MSVOA_X
ClientSampleId :
FB-20180521

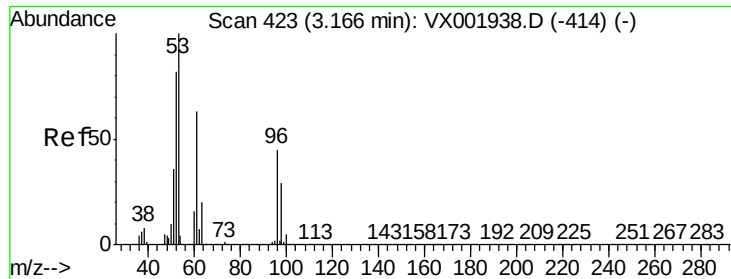
Tgt Ion: 43 Resp: 1274
Ion Ratio Lower Upper
43 100
74 20.8 16.8 25.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

Tgt Ion: 84 Resp: 1474
Ion Ratio Lower Upper
84 100
49 137.4 107.2 160.8
51 36.0 32.4 48.6
86 73.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

FB-20180521

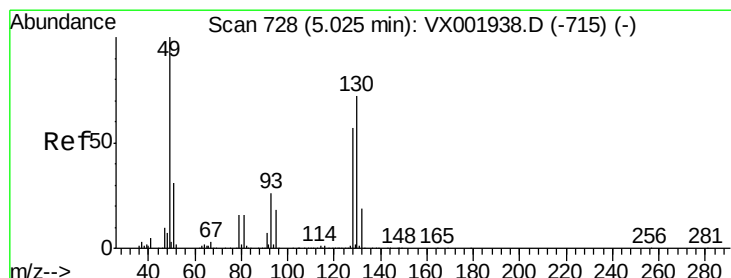
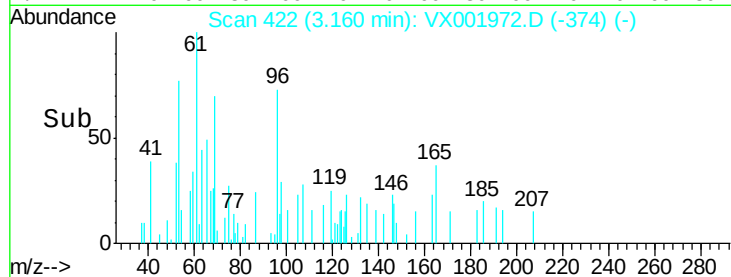
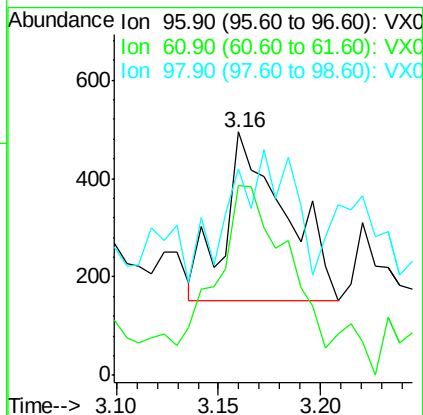
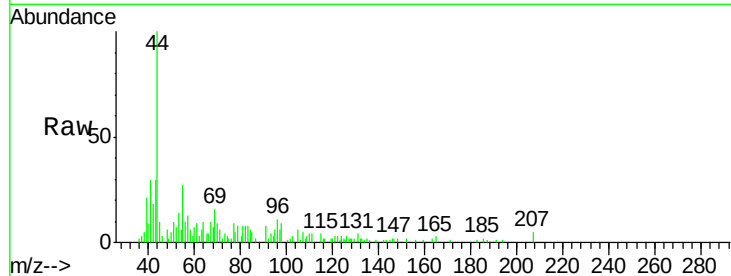
Tgt Ion: 96 Resp: 709

Ion Ratio Lower Upper

96 100

61 88.3 113.3 169.9#

98 67.9 51.7 77.5



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

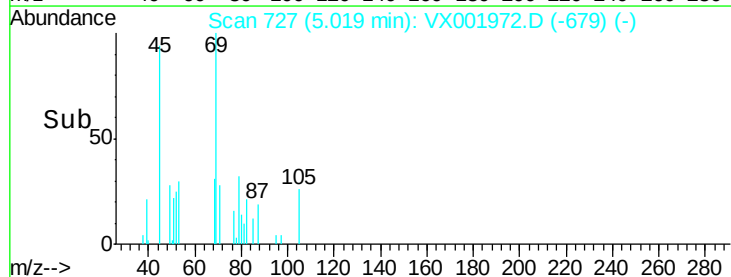
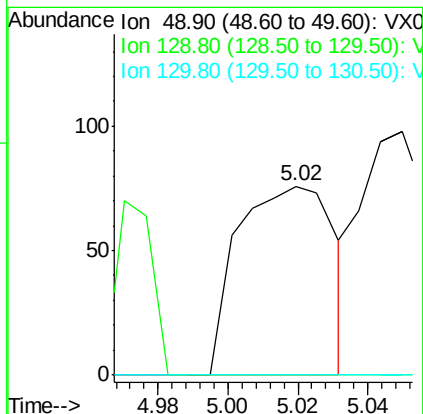
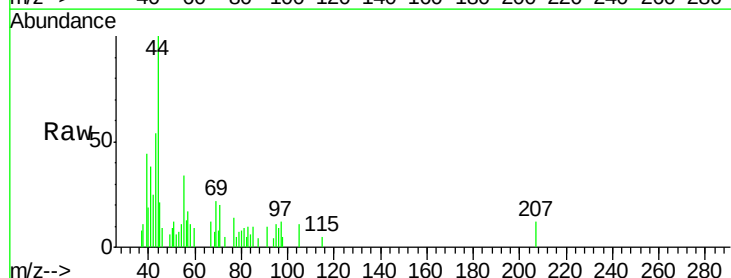
Tgt Ion: 49 Resp: 145

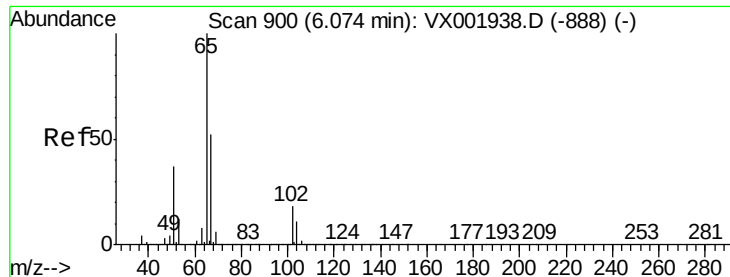
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 59.4 89.2#

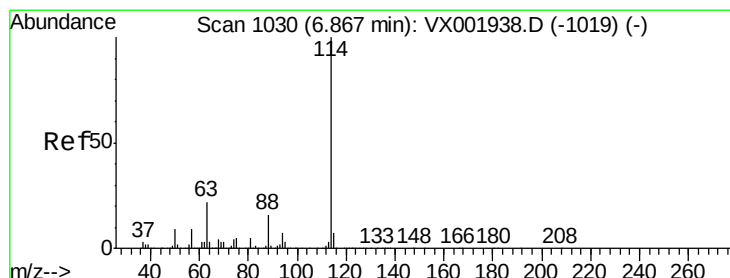
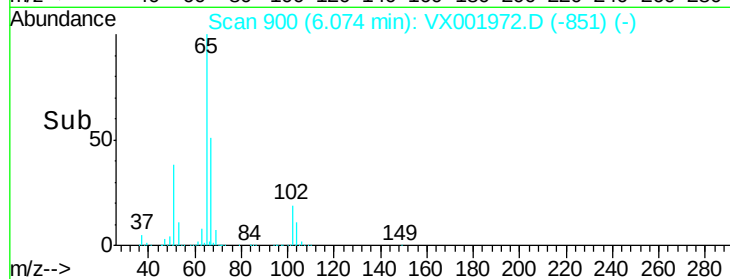
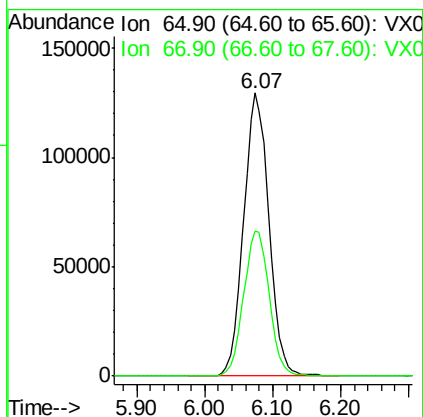
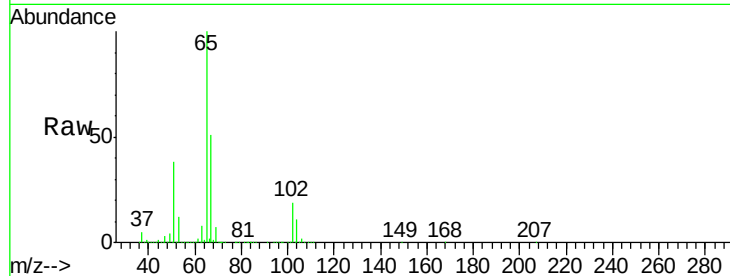




#33
 1,2-Dichloroethane-d4
 Concen: 54.73 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001972.D
 Acq: 25 May 2018 13:04

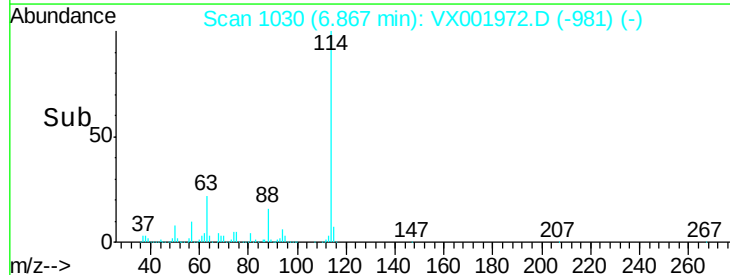
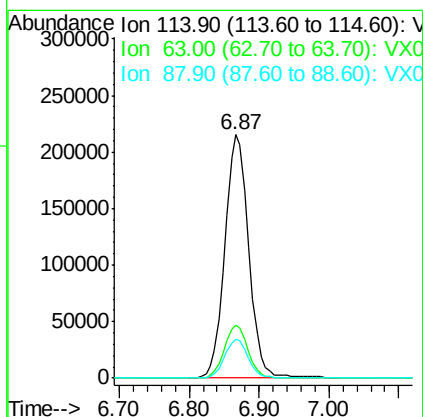
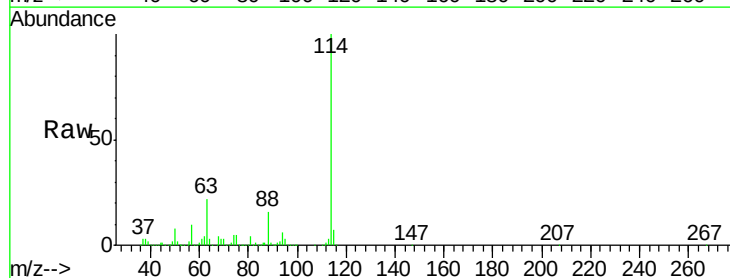
Instrument :
 MSVOA_X
 ClientSampleID :
 FB-20180521

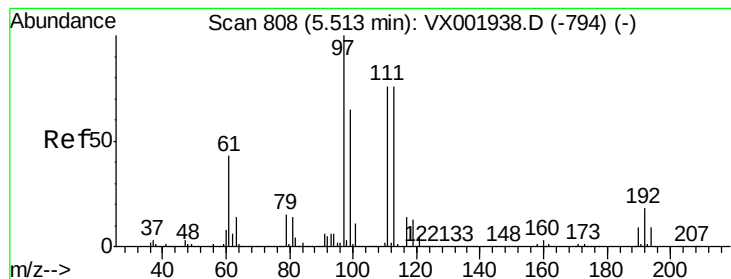
Tgt Ion: 65 Resp: 334407
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001972.D
 Acq: 25 May 2018 13:04

Tgt Ion: 114 Resp: 509404
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

FB-20180521

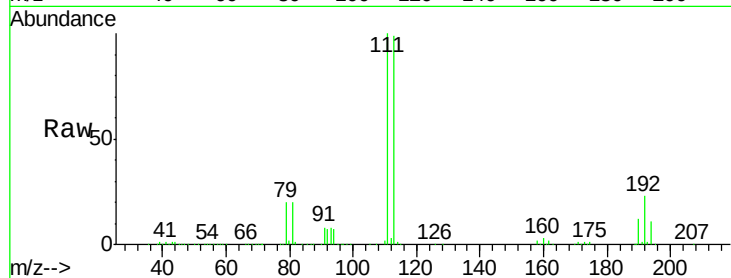
Tgt Ion:113 Resp: 258995

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

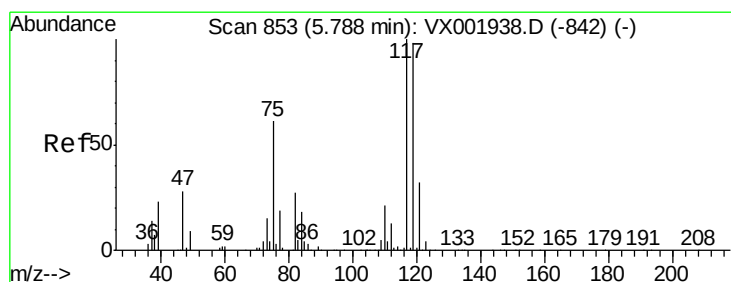
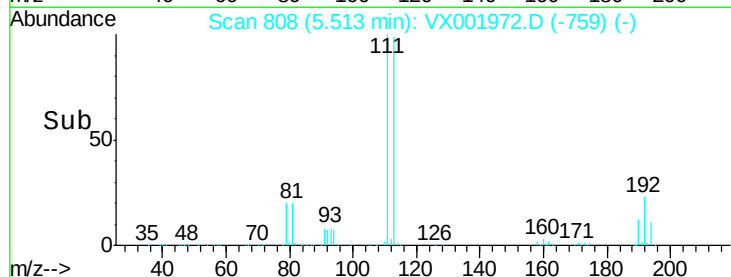
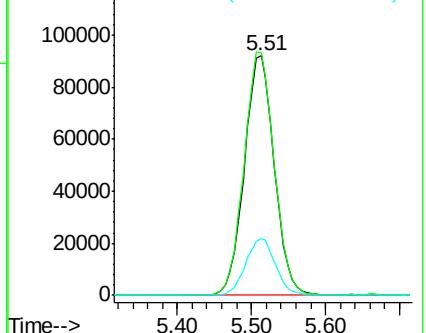
192 23.6 18.9 28.3



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



#38

Carbon Tetrachloride

Concen: 3.79 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

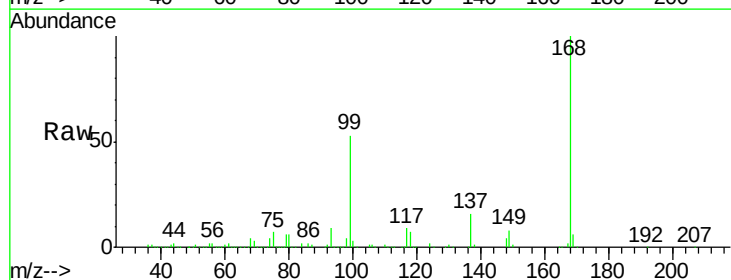
Tgt Ion:117 Resp: 31351

Ion Ratio Lower Upper

117 100

119 4.7 78.5 117.7#

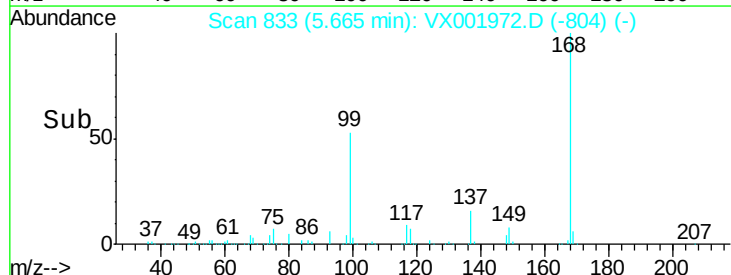
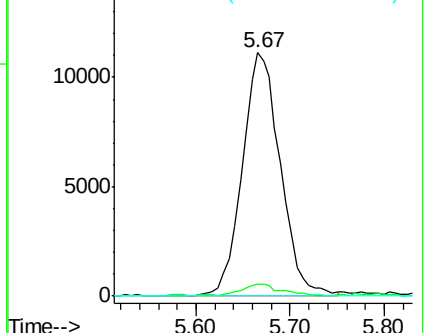
121 0.0 25.5 38.3#

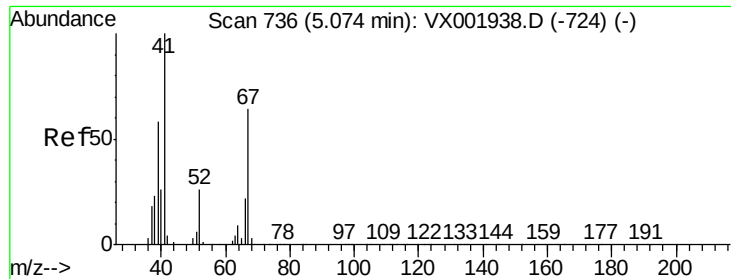


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

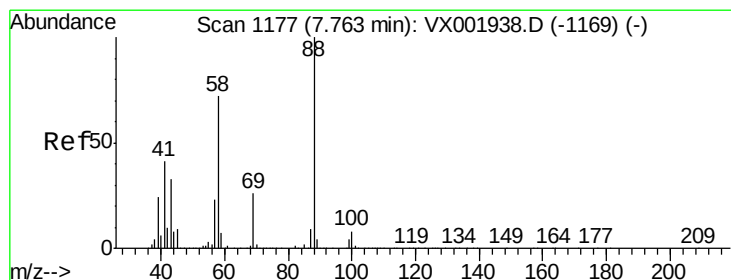
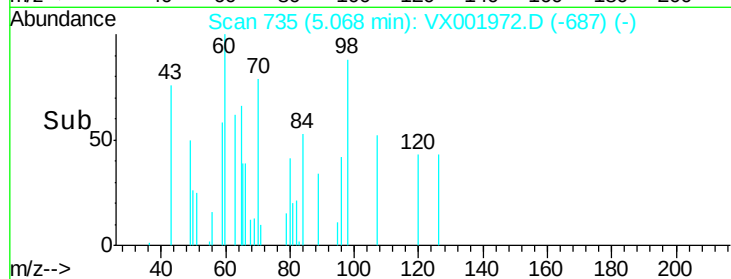
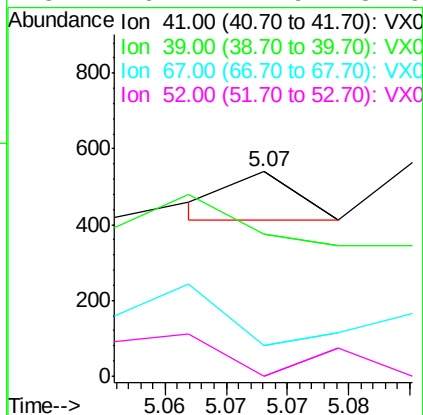
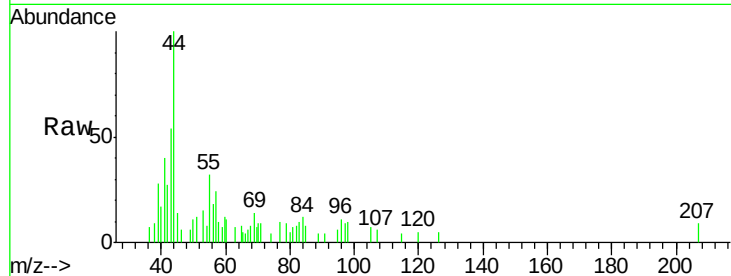




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

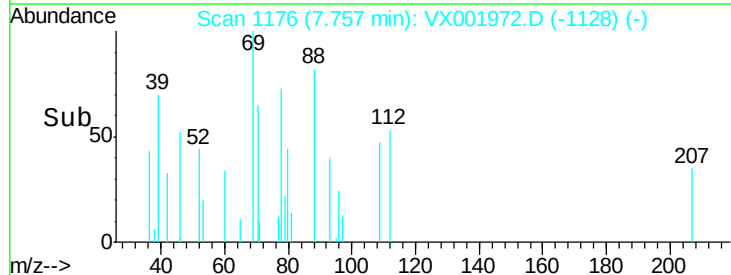
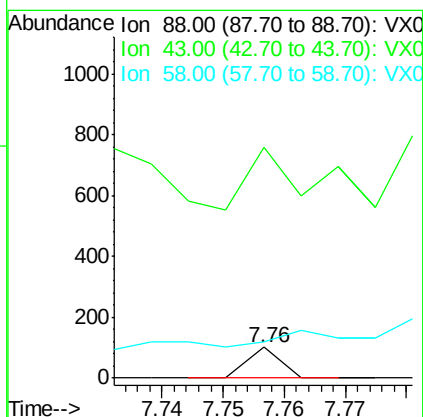
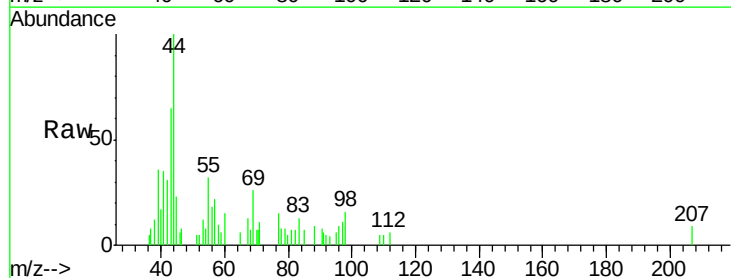
Instrument :
MSVOA_X
ClientSampled :
FB-20180521

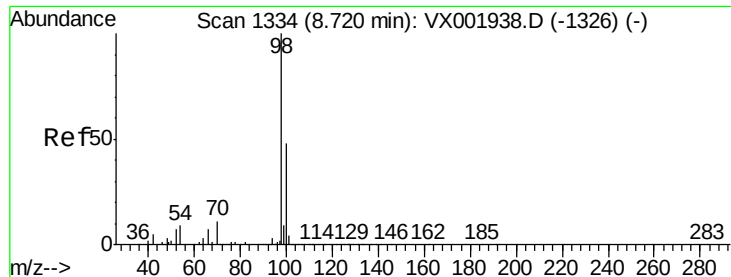
Tgt Ion:	41	Resp:	47
Ion	Ratio	Lower	Upper
41	100		
39	231.9	46.0	69.0#
67	212.8	50.6	75.8#
52	270.2	21.9	32.9#



#49
1,4-Dioxane
Concen: 0.27 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

Tgt Ion:	88	Resp:	37
Ion	Ratio	Lower	Upper
88	100		
43	251.4	29.8	44.8#
58	0.0	58.7	88.1#

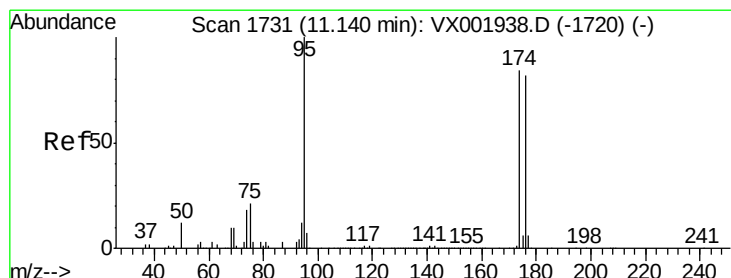
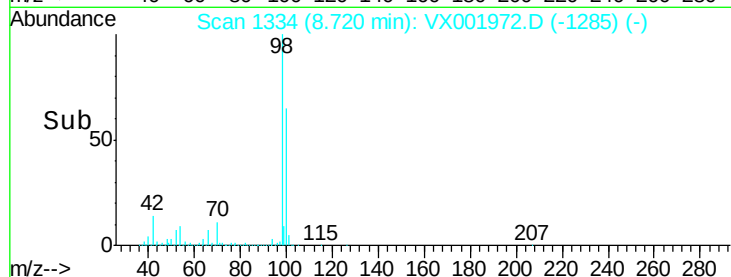
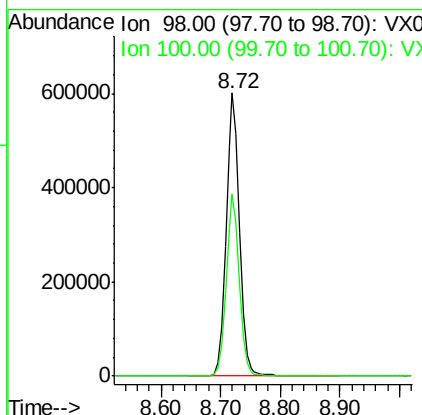
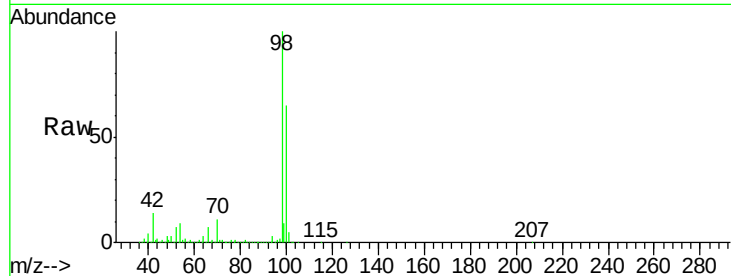




#50
Toluene-d8
Concen: 50.69 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

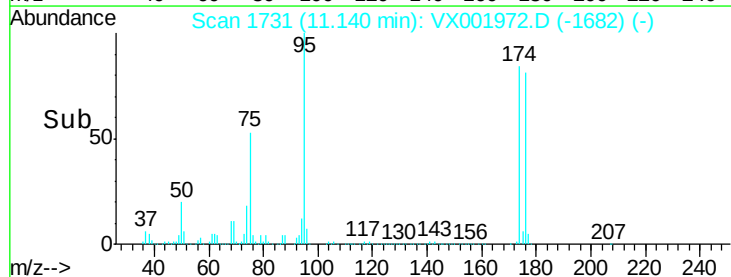
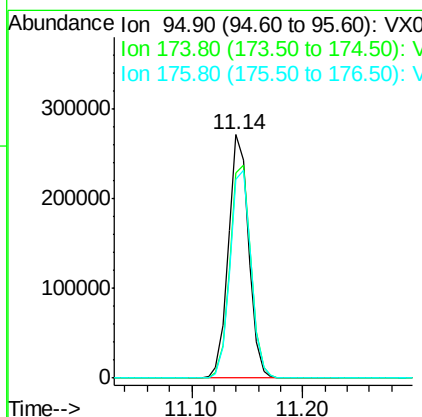
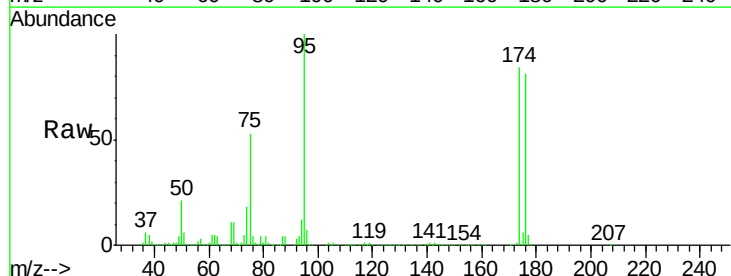
Instrument :
MSVOA_X
ClientSampleId :
FB-20180521

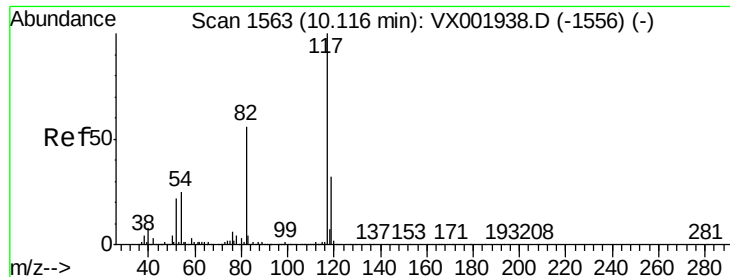
Tgt Ion: 98 Resp: 934887
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.06 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

Tgt Ion: 95 Resp: 339550
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.8
176 88.5 0.0 175.6

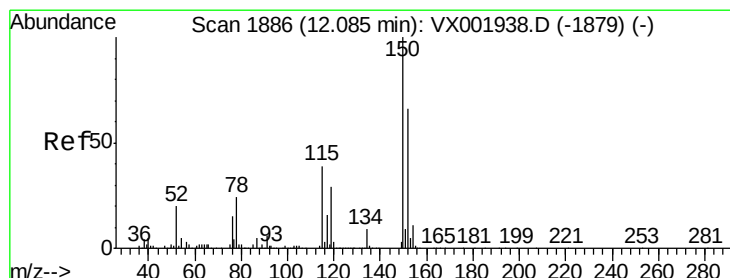
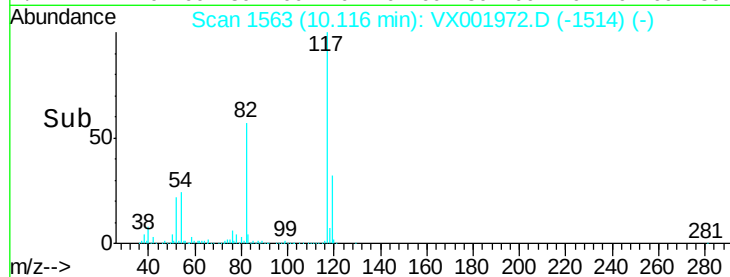
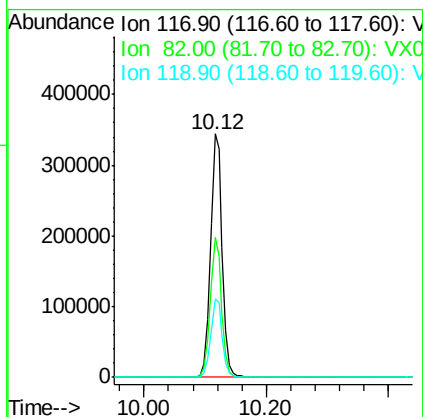
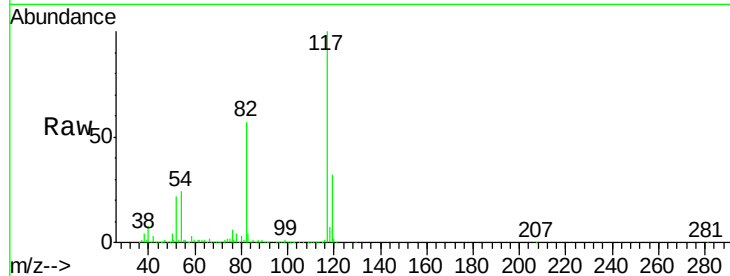




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

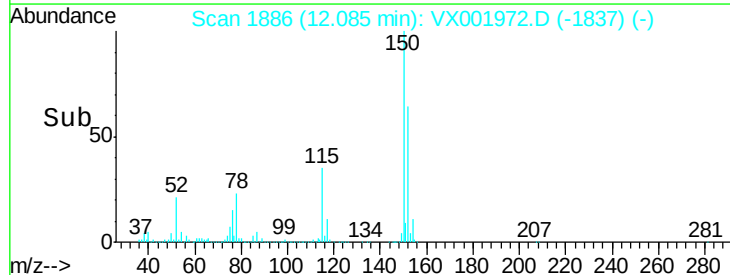
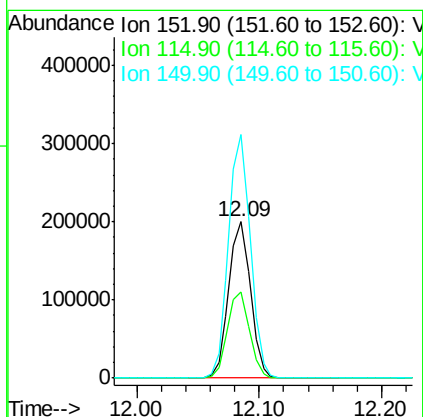
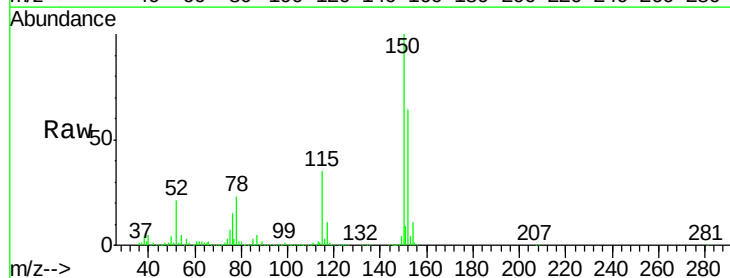
Instrument :
MSVOA_X
ClientSampleId :
FB-20180521

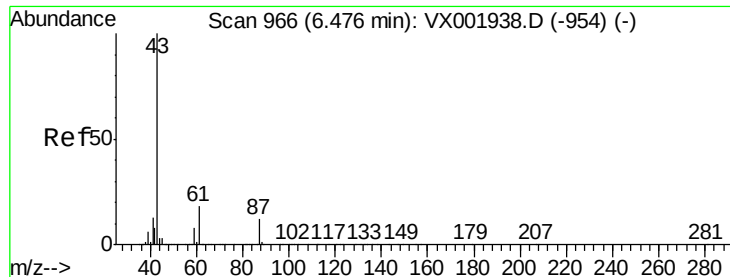
Tgt Ion:117 Resp: 465000
Ion Ratio Lower Upper
117 100
82 57.3 44.8 67.2
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001972.D
Acq: 25 May 2018 13:04

Tgt Ion:152 Resp: 245756
Ion Ratio Lower Upper
152 100
115 55.6 42.3 126.8
150 156.4 0.0 351.0





#74

N-amyI acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

FB-20180521

Tgt Ion: 43 Resp: 365

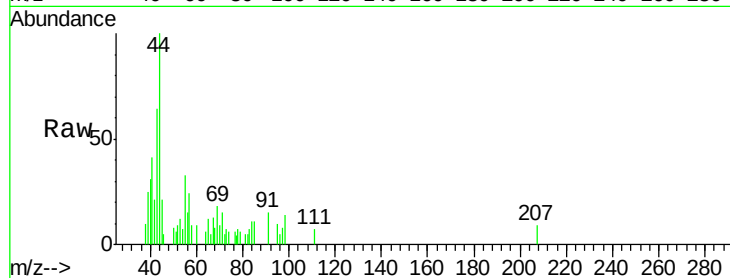
Ion Ratio Lower Upper

43 100

70 9.0 0.1 0.1#

55 72.1 0.1 0.1#

61 0.0 14.5 21.7#

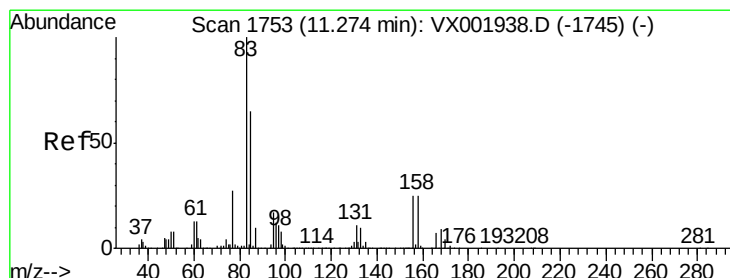
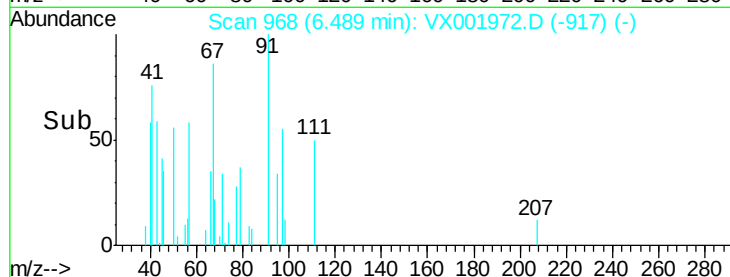
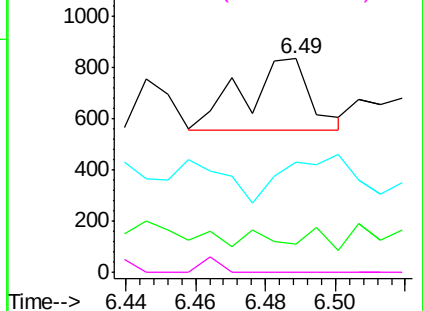


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

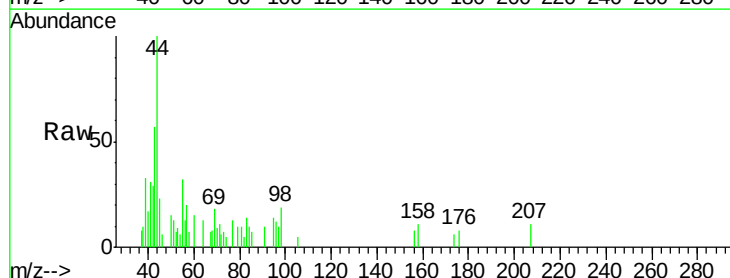
Tgt Ion: 83 Resp: 243

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

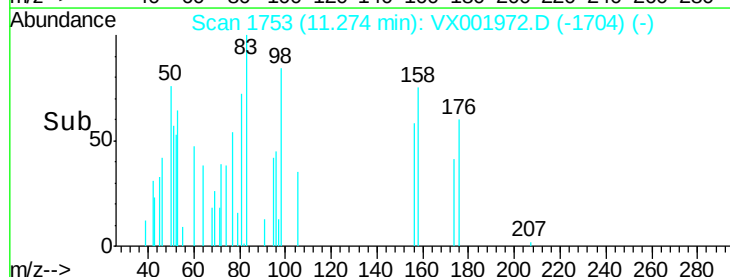
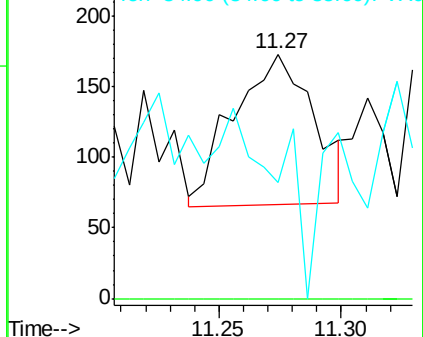
85 0.0 32.6 97.7#

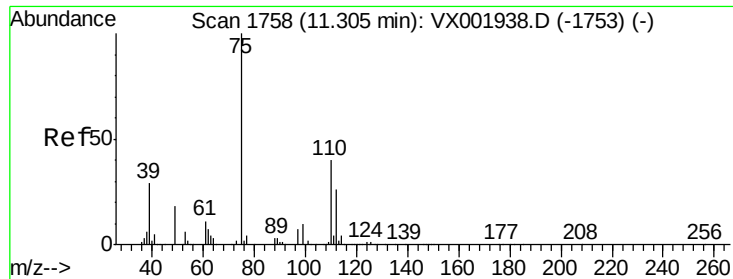


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

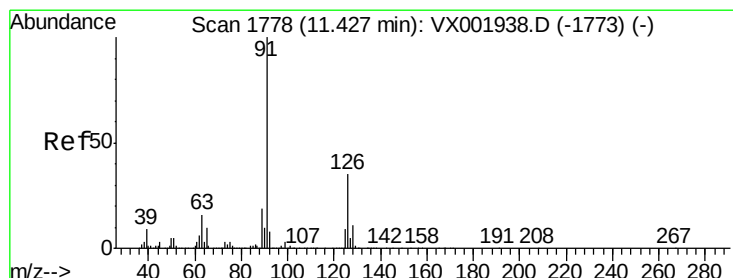
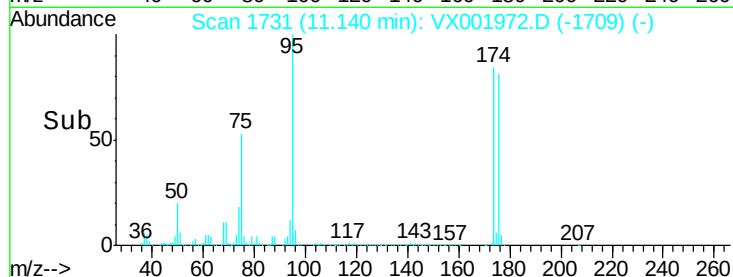
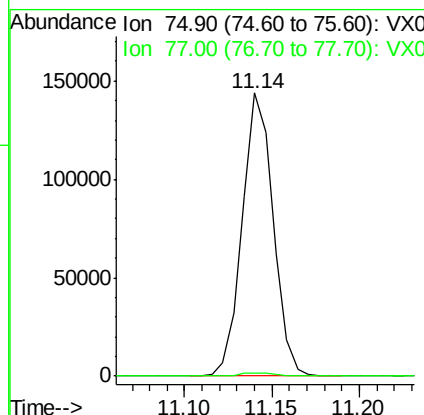
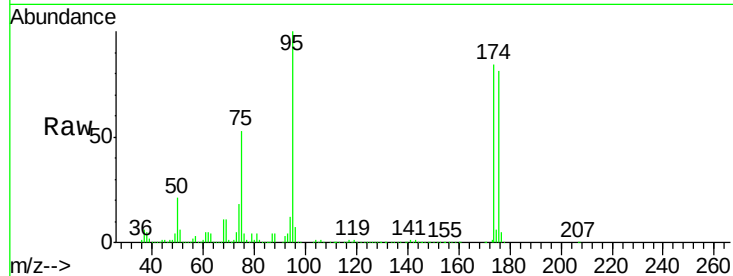




#76
 1,2,3-Trichloropropane
 Concen: 30.07 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001972.D
 Acq: 25 May 2018 13:04

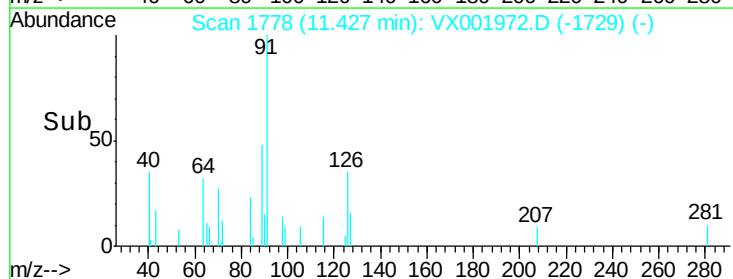
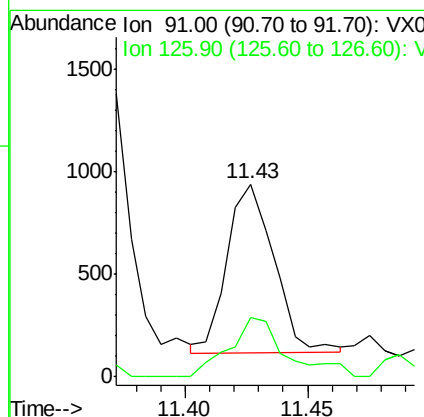
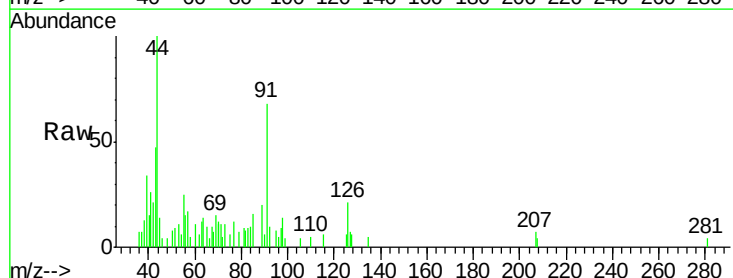
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-20180521

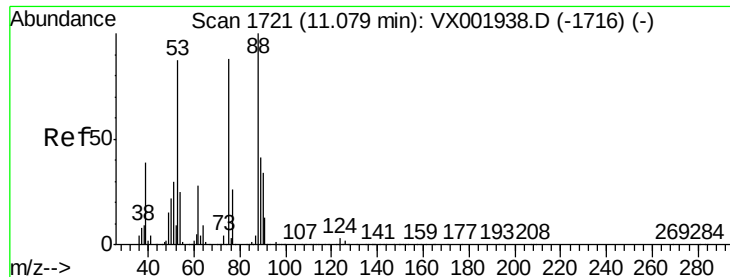
Tgt Ion: 75 Resp: 177505
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001972.D
 Acq: 25 May 2018 13:04

Tgt Ion: 91 Resp: 1094
 Ion Ratio Lower Upper
 91 100
 126 43.2 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 72.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001972.D

Acq: 25 May 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

FB-20180521

Tgt Ion: 75 Resp: 177505

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

