

Data File : VX001973.D

Acq On : 25 May 2018 13:30

Operator : JC/MD

Sample : J3076-09

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20180522

Quant Time: May 26 00:36:43 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	327017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	491234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	234377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	295490	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.51	113	229318	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.72	98	838244	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.14	95	303849	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	490	Below Cal		83
5) Bromomethane	1.61	94	520	Below Cal	#	54
10) Methyl Iodide	2.52	142	2408	0.44	ug/l #	78
11) Tert butyl alcohol	3.03	59	3238	2.82	ug/l #	89
13) Acrolein	2.30	56	256	0.52	ug/l #	1
15) Acrylonitrile	3.15	53	601	0.25	ug/l #	71
16) Acetone	2.45	43	5632	2.50	ug/l #	88
18) Methyl Acetate	2.78	43	1409	Below Cal	#	83
20) Methylene Chloride	2.86	84	1639	Below Cal		92
21) trans-1,2-Dichloroethene	3.17	96	190	Below Cal	#	48
28) Bromochloromethane	5.03	49	22	Below Cal	#	14
36) 1,1-Dichloropropene	5.67	75	23029	3.37	ug/l #	53
38) Carbon Tetrachloride	5.67	117	30388	3.81	ug/l #	14
41) Methacrylonitrile	5.09	41	369	Below Cal	#	46
74) N-amyl acetate	6.45	43	264	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.27	83	157	Below Cal	#	13
76) 1,2,3-Trichloropropane	11.14	75	158859	28.22	ug/l #	33
79) 2-Chlorotoluene	11.43	91	601	Below Cal		88
81) trans-1,4-Dichloro-2-buten	11.14	75	158859	67.82	ug/l #	10

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

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Instrument :

MSVOA_X

ClientSampleId :

FB-20180522

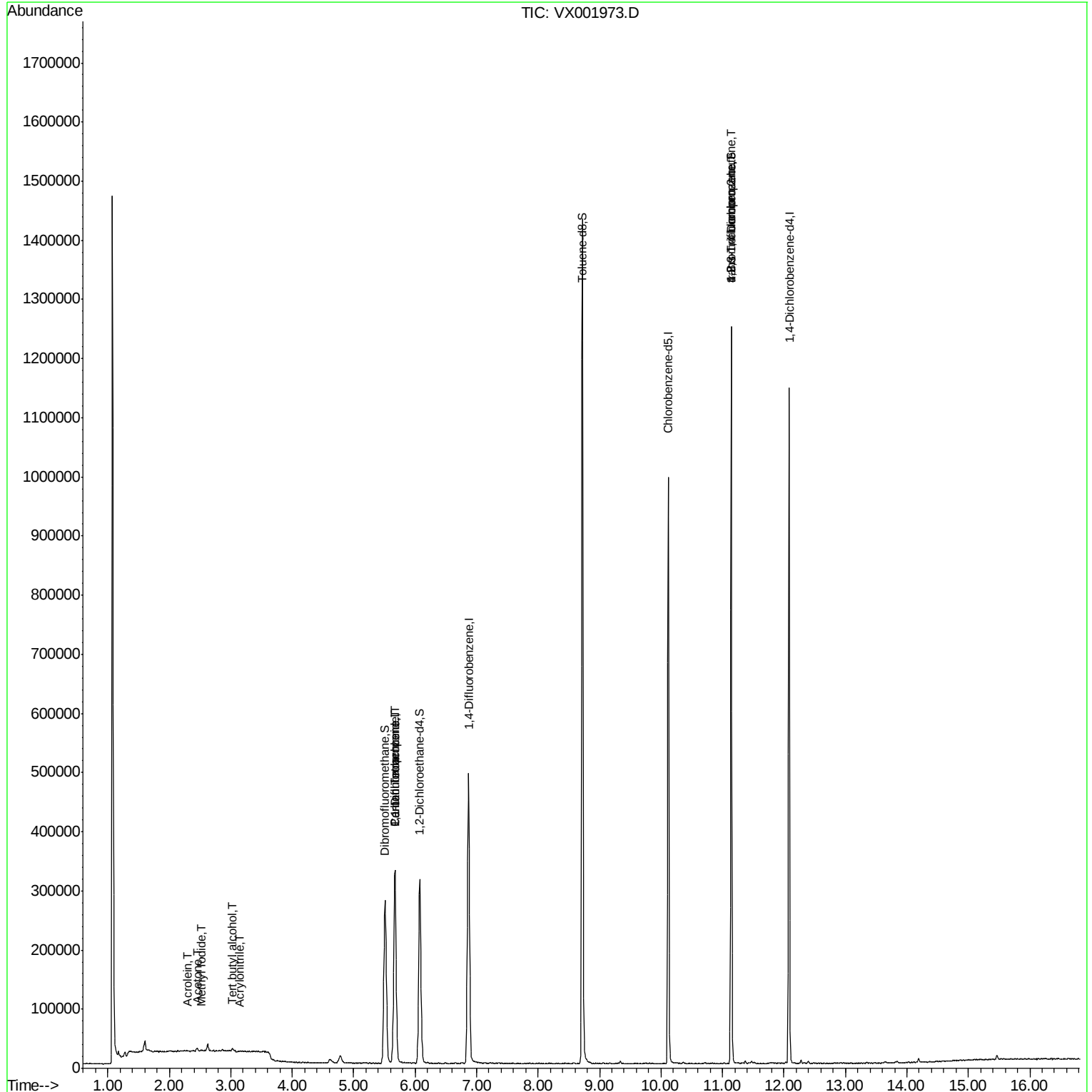
Quant Time: May 26 00:36:43 2018

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: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

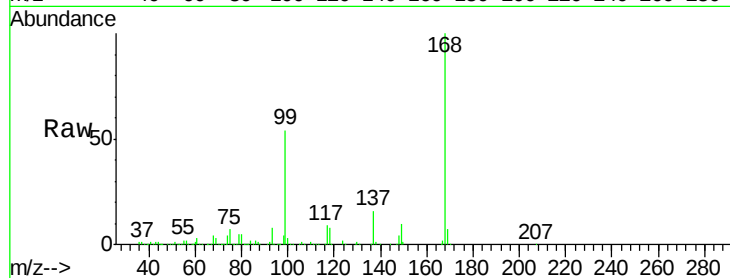
FB-20180522

Tgt Ion:168 Resp: 327017

Ion Ratio Lower Upper

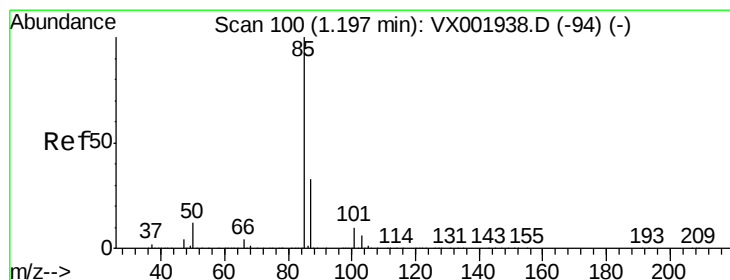
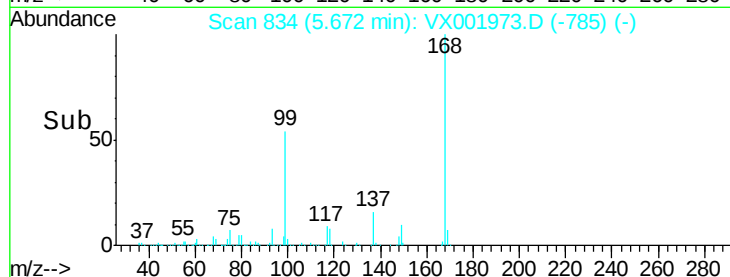
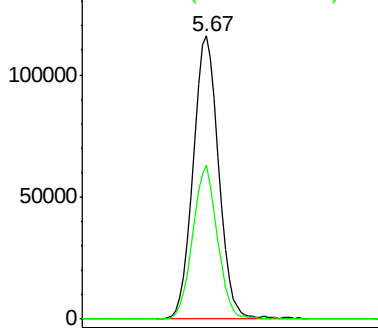
168 100

99 54.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001973.D

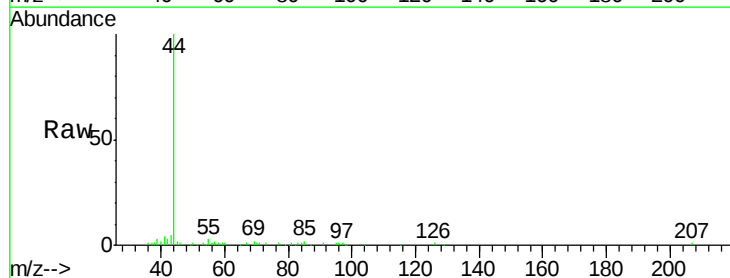
Acq: 25 May 2018 13:30

Tgt Ion: 85 Resp: 490

Ion Ratio Lower Upper

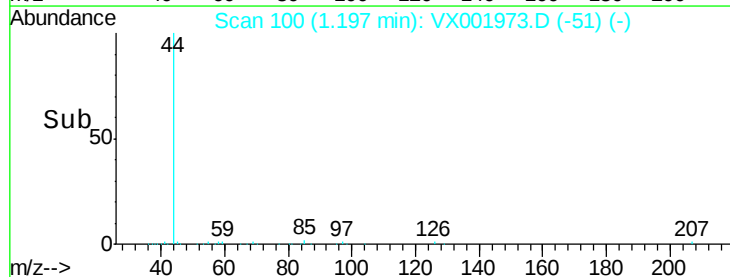
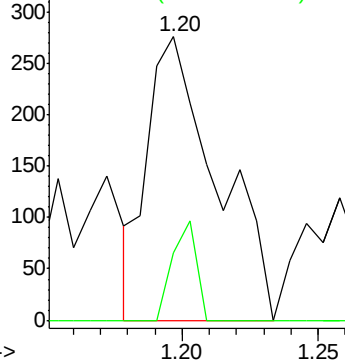
85 100

87 23.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

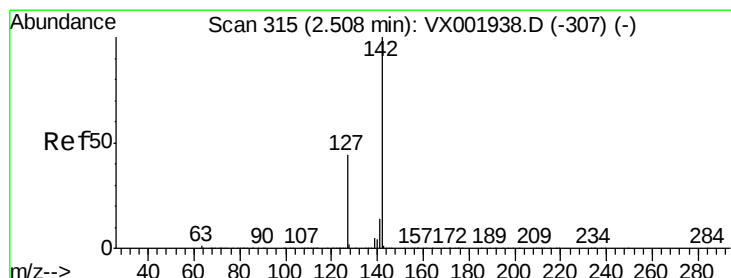
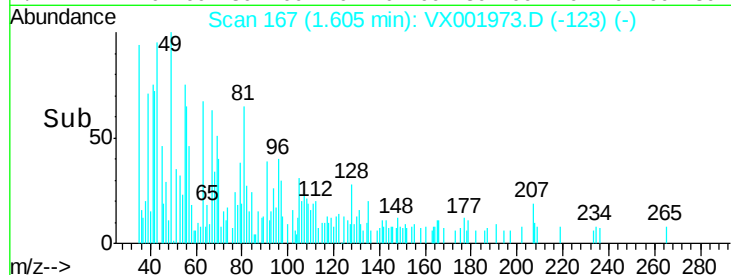
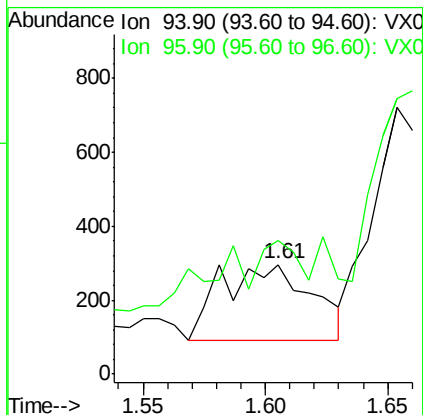
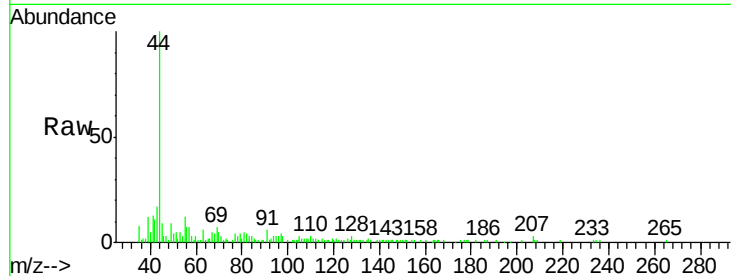
FB-20180522

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

94 100

96 50.5 75.9 113.9#



#10

Methyl Iodide

Concen: 0.44 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

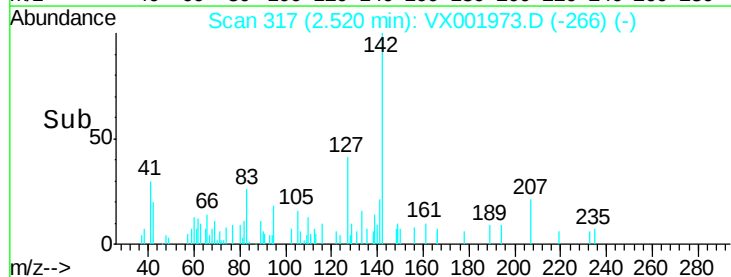
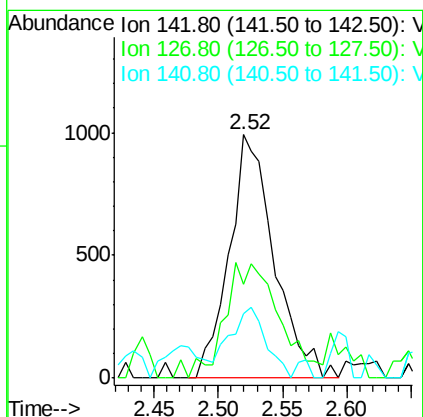
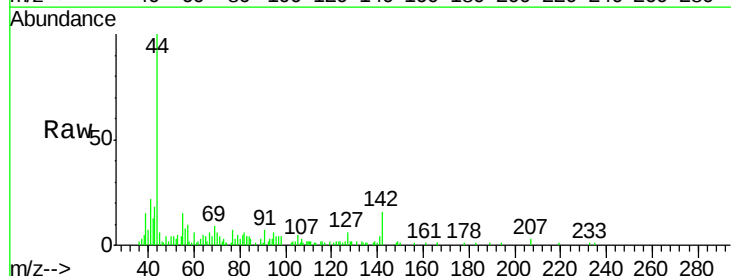
Tgt Ion: 142 Resp: 2408

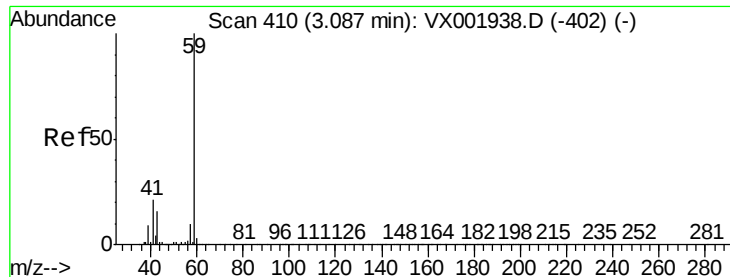
Ion Ratio Lower Upper

142 100

127 58.2 35.5 53.3#

141 23.3 11.3 16.9#



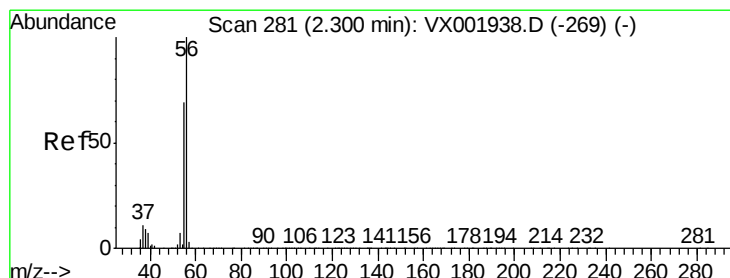
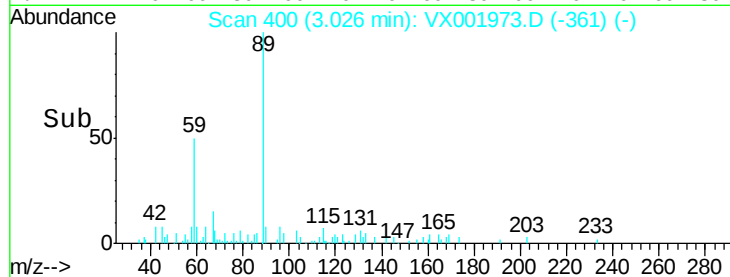
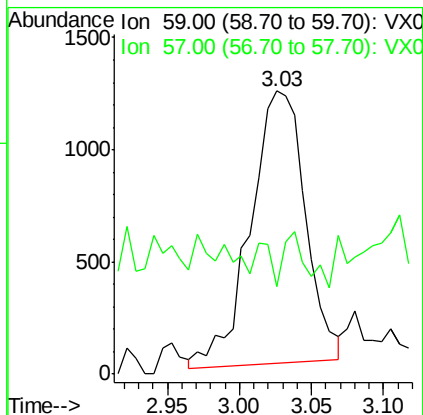
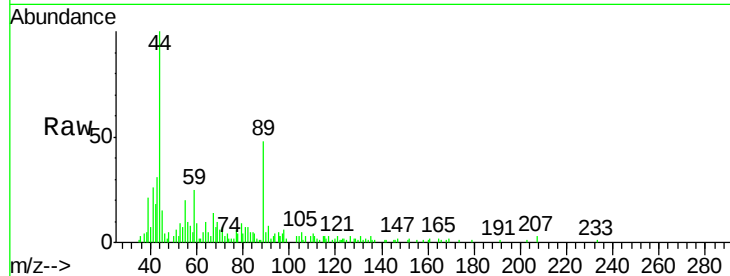


#11

Tert butyl alcohol
Concen: 2.82 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001973.D
Acq: 25 May 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
FB-20180522

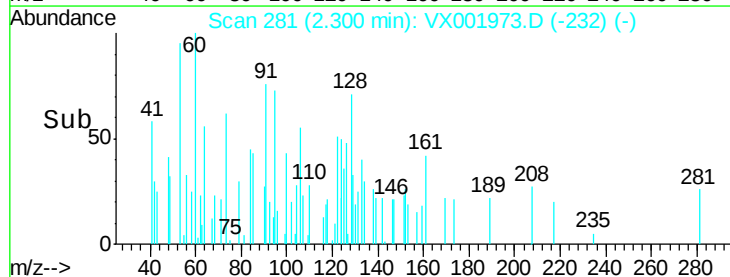
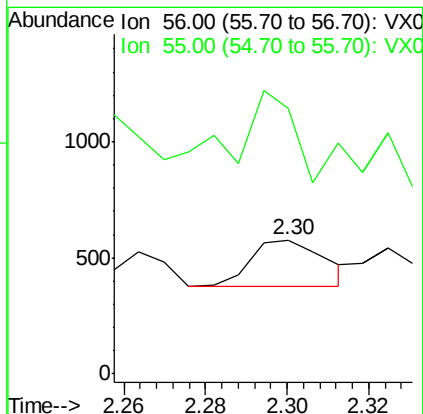
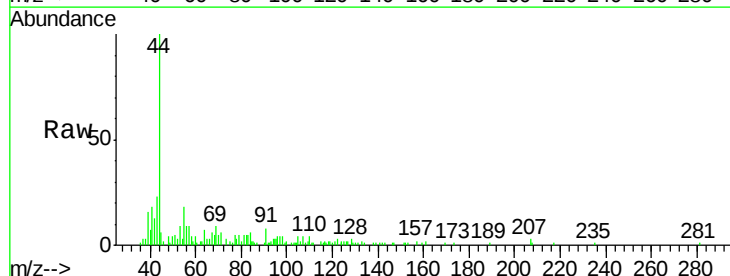
Tgt Ion: 59 Resp: 3238
Ion Ratio Lower Upper
59 100
57 6.8 8.9 13.3#

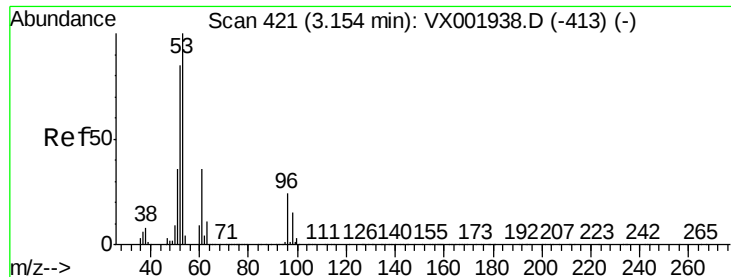


#13

Acrolein
Concen: 0.52 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001973.D
Acq: 25 May 2018 13:30

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 223.4 56.8 85.2#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

FB-20180522

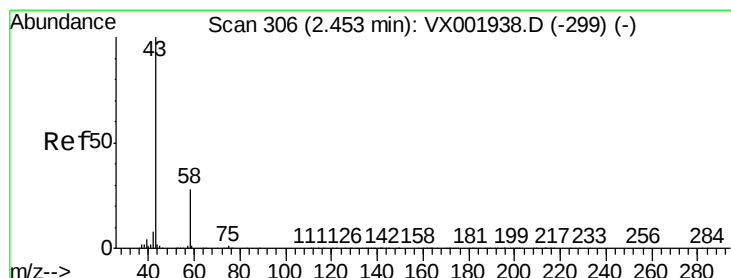
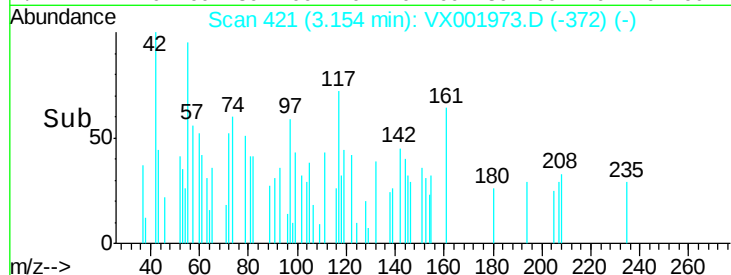
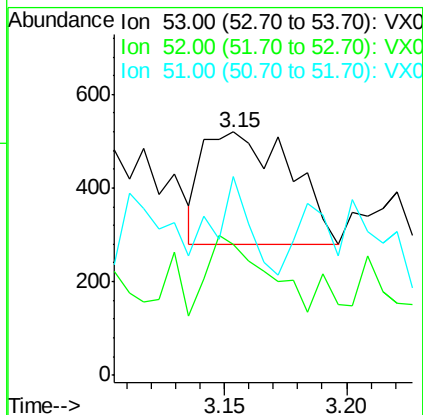
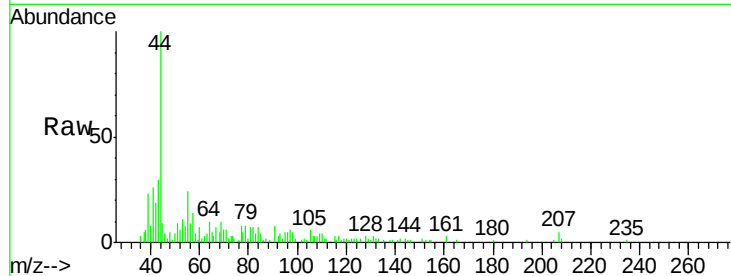
Tgt Ion: 53 Resp: 601

Ion Ratio Lower Upper

53 100

52 47.1 66.4 99.6#

51 33.8 29.3 43.9



#16

Acetone

Concen: 2.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001973.D

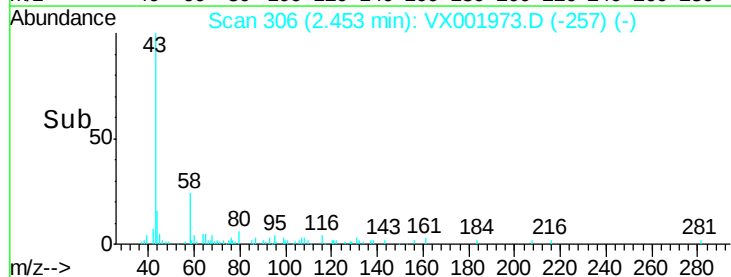
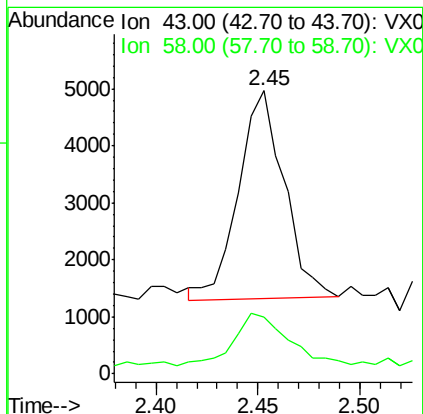
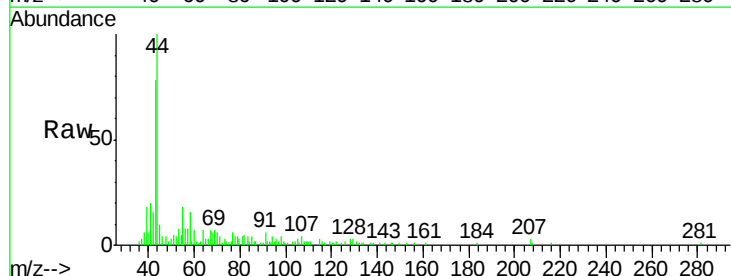
Acq: 25 May 2018 13:30

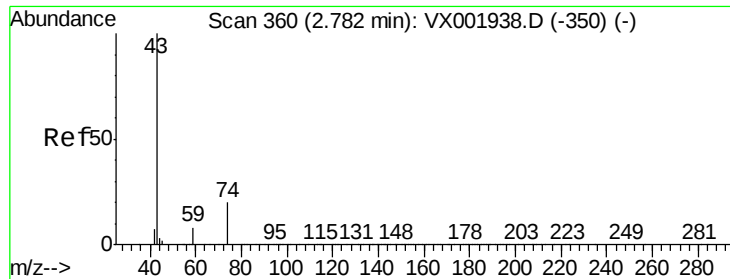
Tgt Ion: 43 Resp: 5632

Ion Ratio Lower Upper

43 100

58 21.8 22.3 33.5#

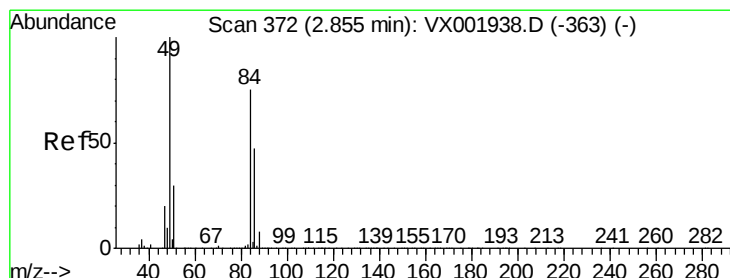
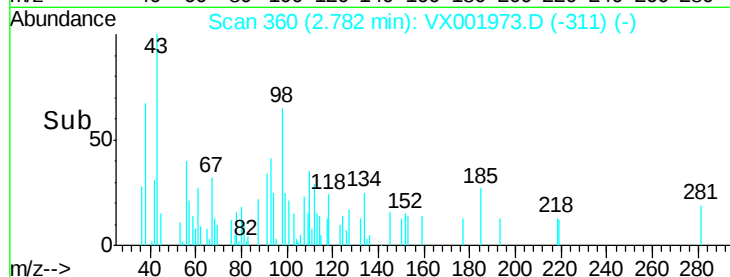
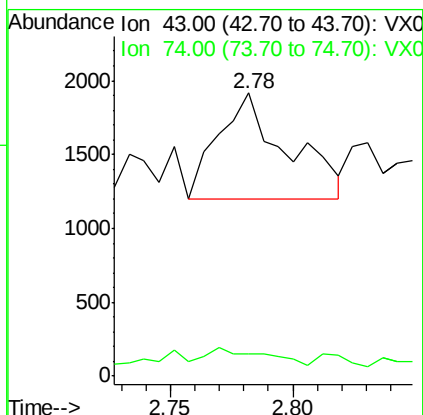
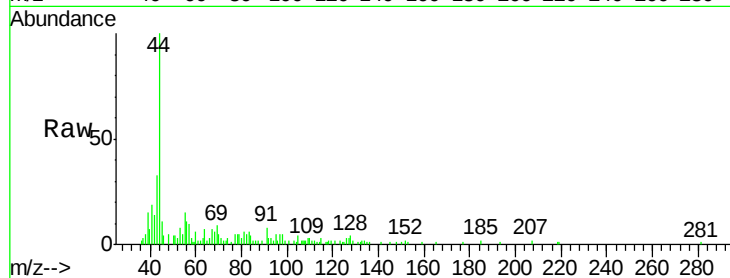




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001973.D
Acq: 25 May 2018 13:30

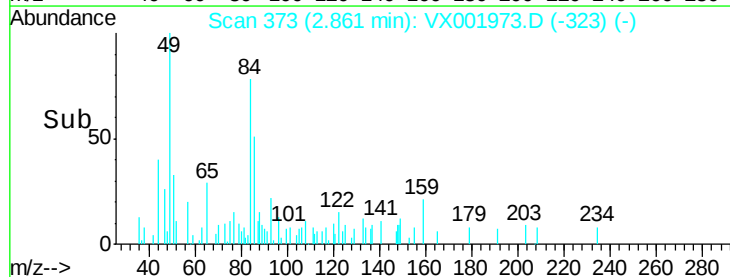
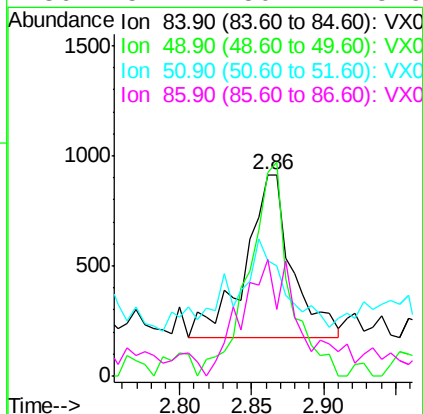
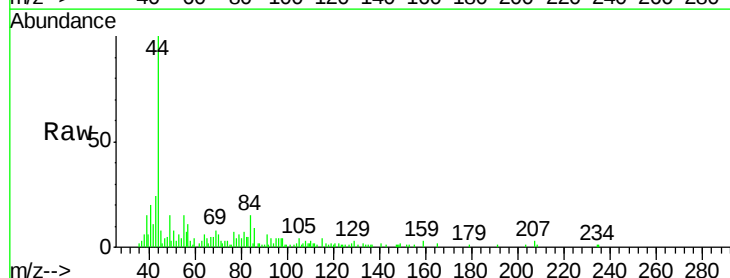
Instrument :
MSVOA_X
ClientSampleId :
FB-20180522

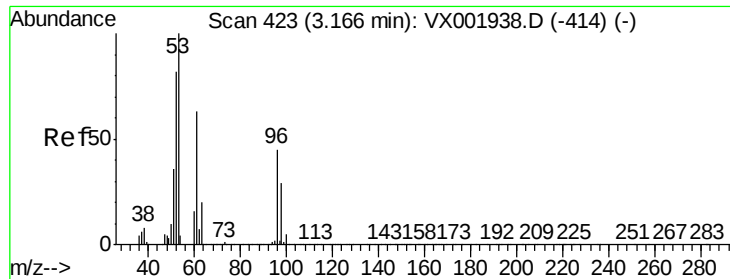
Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
74 12.9 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001973.D
Acq: 25 May 2018 13:30

Tgt Ion: 84 Resp: 1639
Ion Ratio Lower Upper
84 100
49 125.2 107.2 160.8
51 35.0 32.4 48.6
86 57.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

FB-20180522

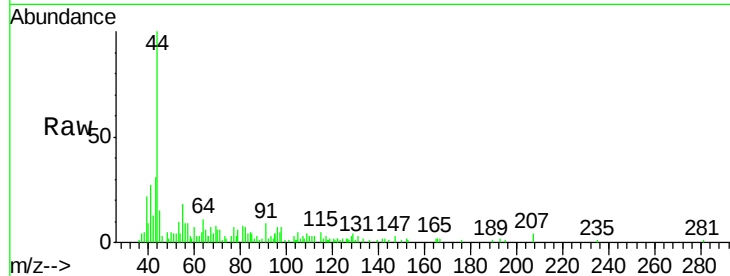
Tgt Ion: 96 Resp: 190

Ion Ratio Lower Upper

96 100

61 48.6 113.3 169.9#

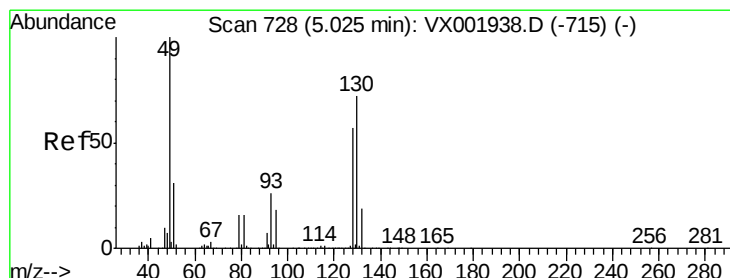
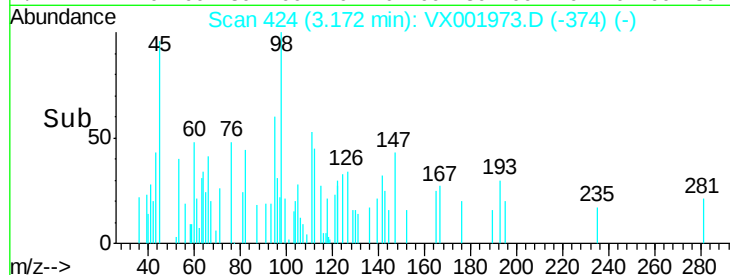
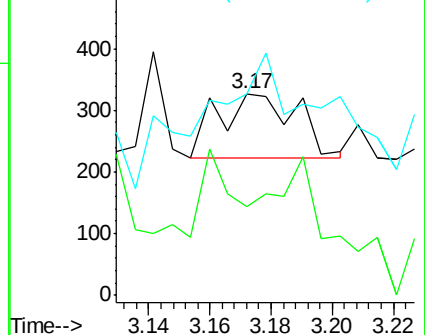
98 63.8 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

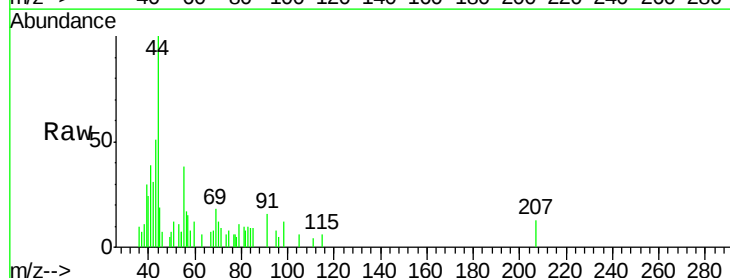
Tgt Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

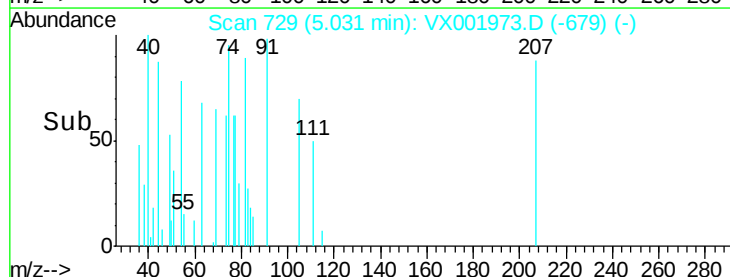
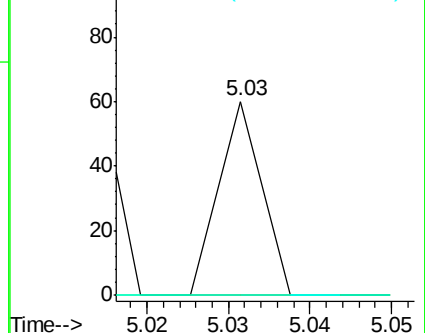
130 0.0 59.4 89.2#

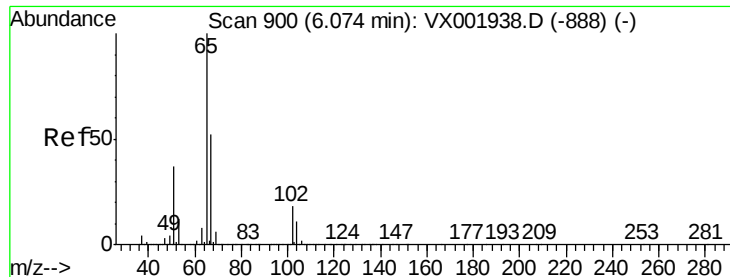


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 50.55 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

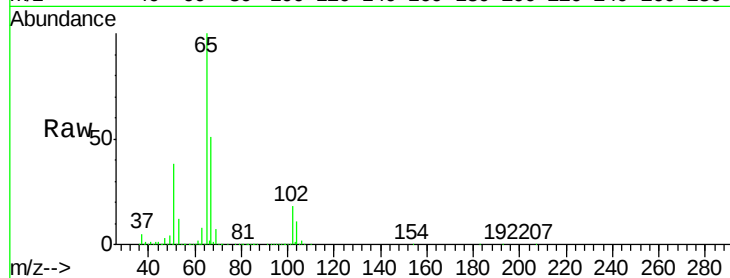
FB-20180522

Tgt Ion: 65 Resp: 295490

Ion Ratio Lower Upper

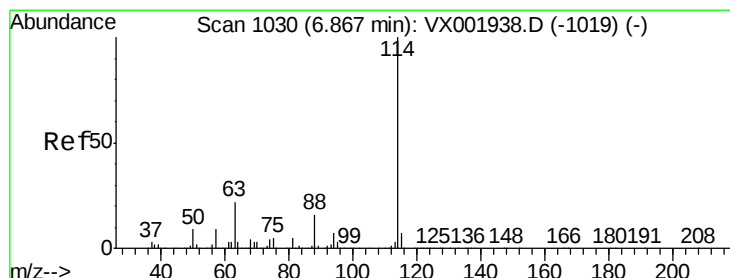
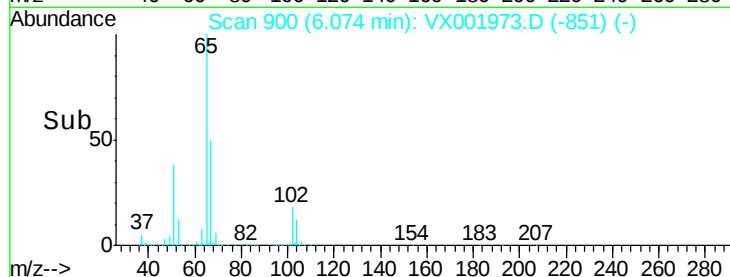
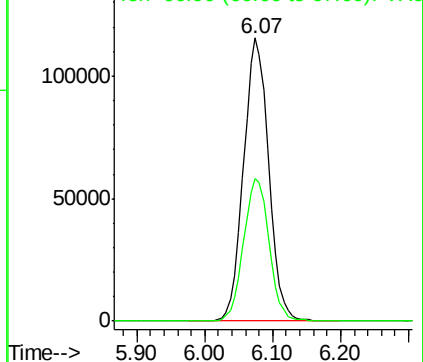
65 100

67 51.2 0.0 104.0



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

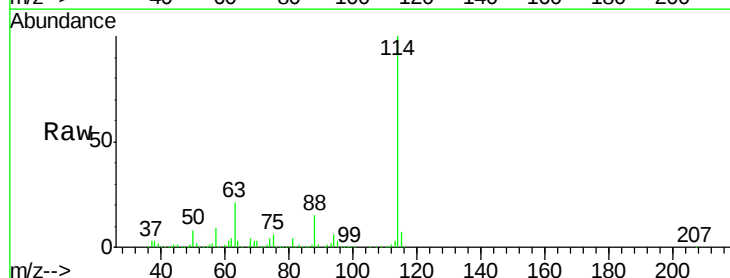
Tgt Ion: 114 Resp: 491234

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

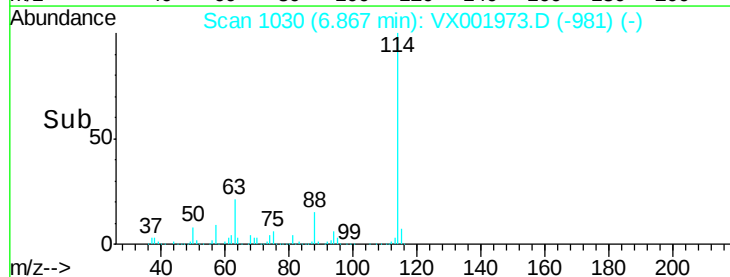
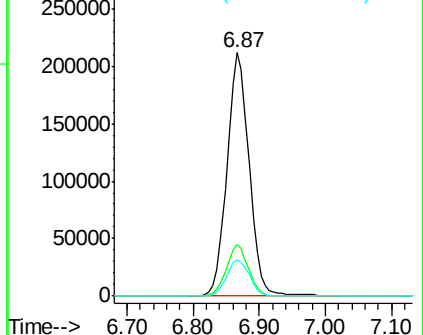
88 14.6 0.0 31.6

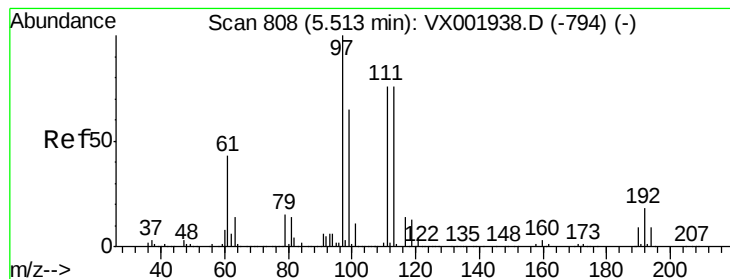


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.68 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

FB-20180522

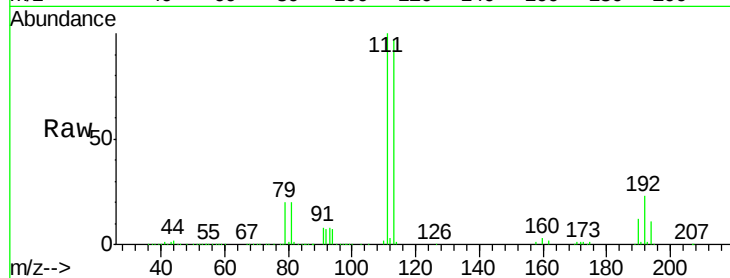
Tgt Ion:113 Resp: 229318

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

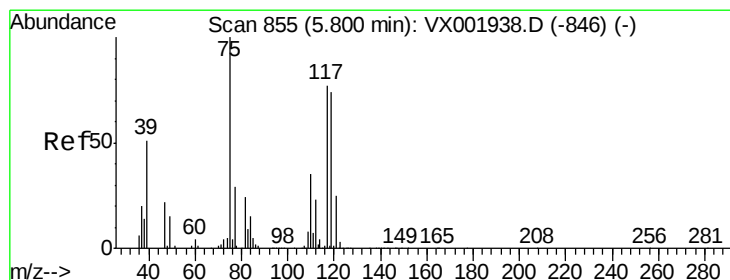
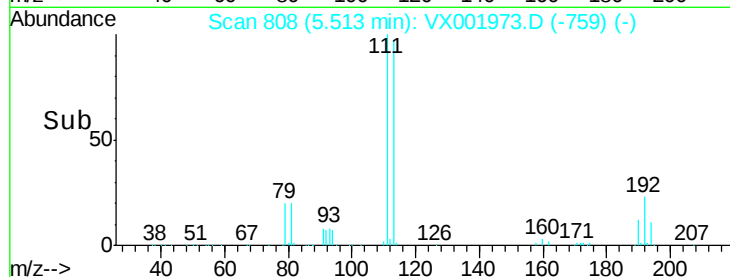
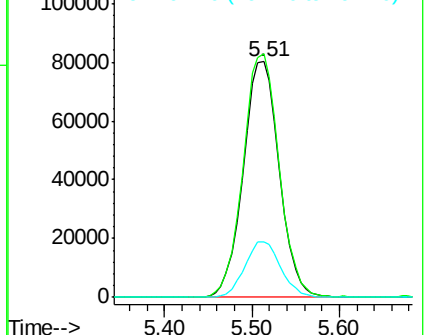
192 23.6 18.9 28.3



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



#36

1,1-Dichloropropene

Concen: 3.37 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

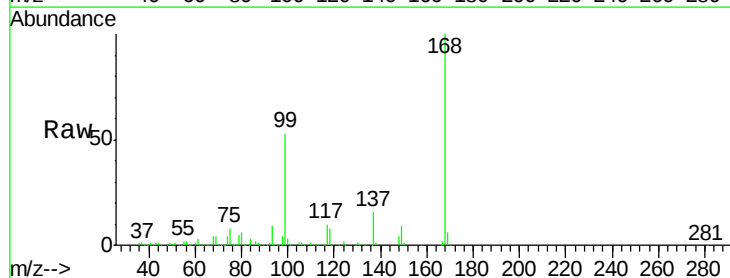
Tgt Ion: 75 Resp: 23029

Ion Ratio Lower Upper

75 100

110 11.4 17.4 52.2#

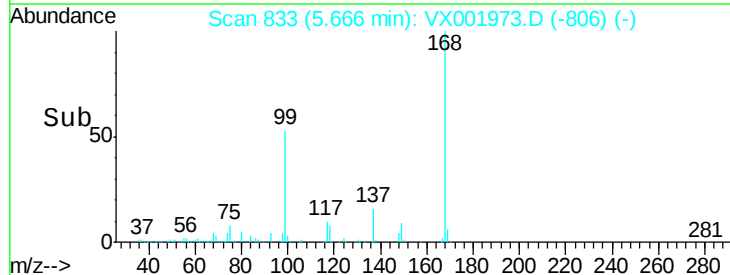
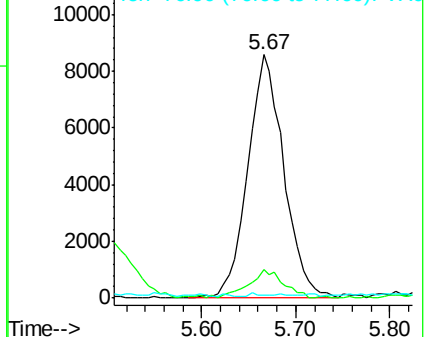
77 0.5 24.4 36.6#

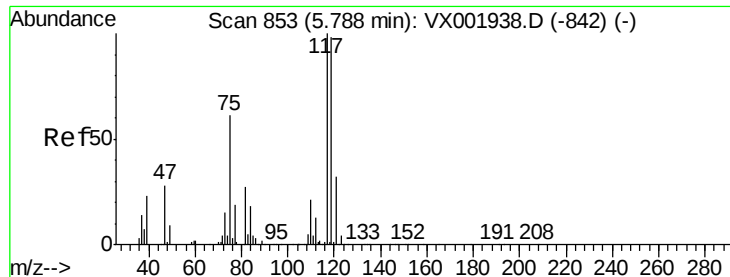


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.81 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

FB-20180522

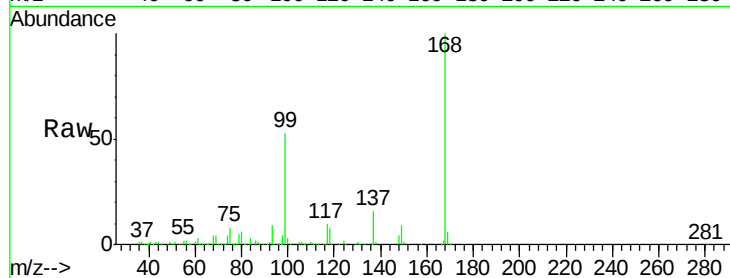
Tgt Ion: 117 Resp: 30388

Ion Ratio Lower Upper

117 100

119 3.8 78.5 117.7#

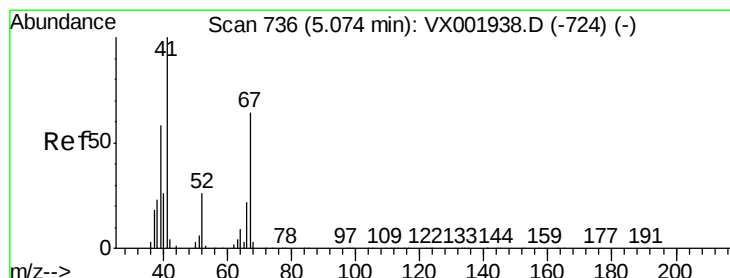
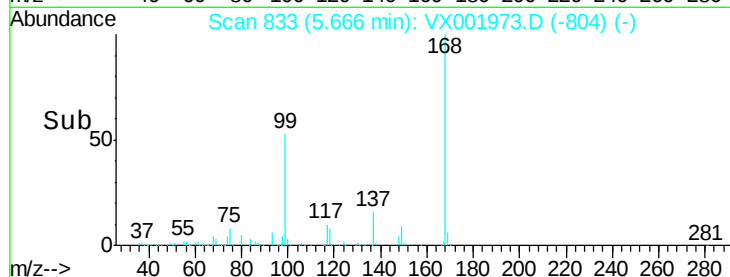
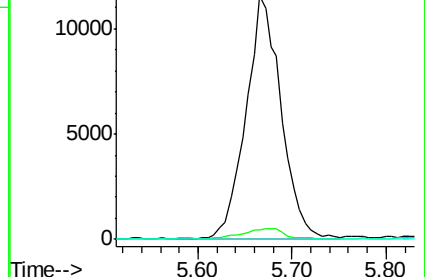
121 0.0 25.5 38.3#



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: 5.09 min Scan# 738

Delta R.T. 0.01 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Tgt Ion: 41 Resp: 369

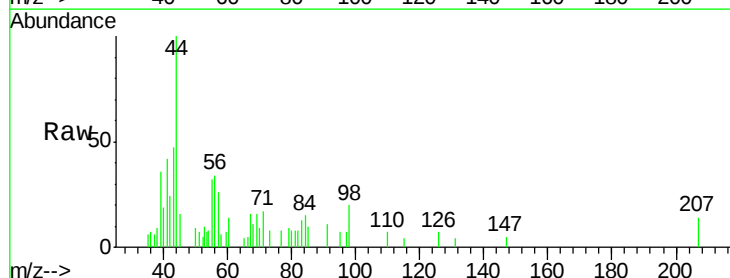
Ion Ratio Lower Upper

41 100

39 132.8 46.0 69.0#

67 38.2 50.6 75.8#

52 25.2 21.9 32.9

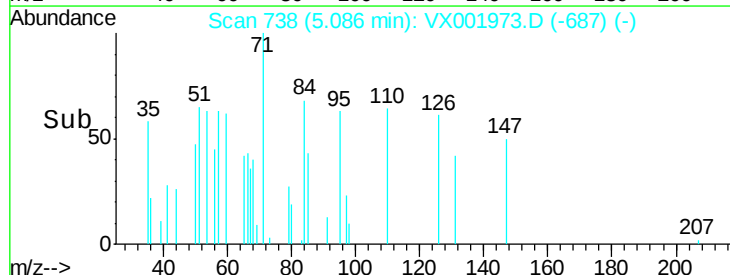
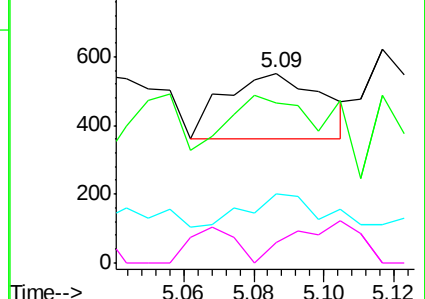


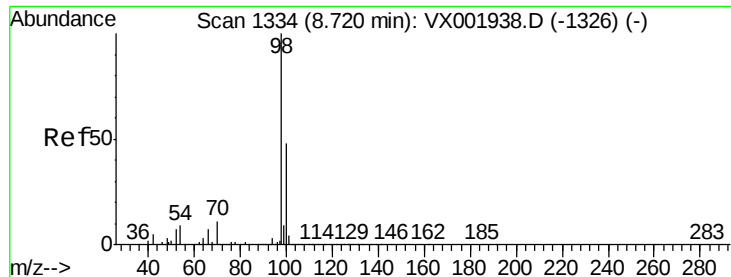
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 47.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

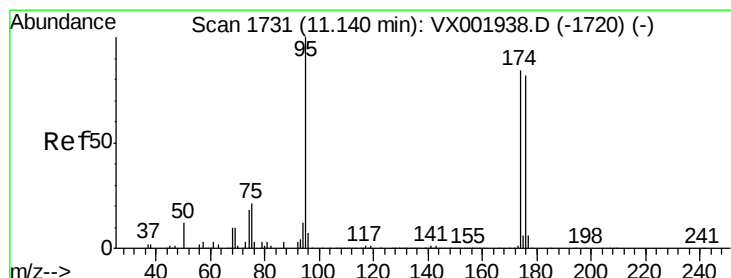
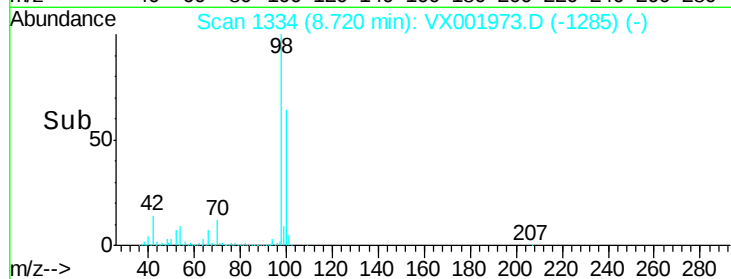
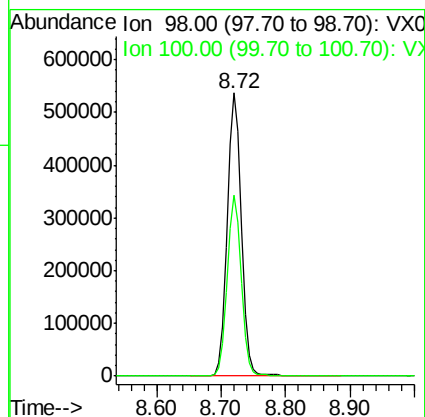
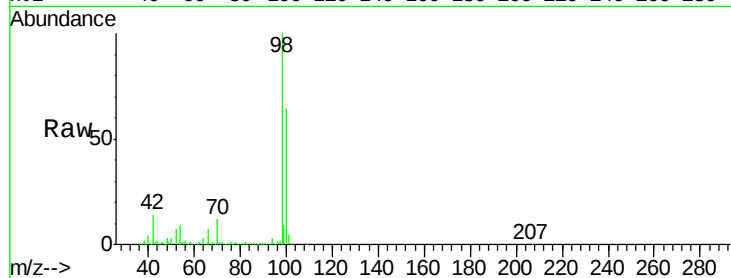
FB-20180522

Tgt Ion: 98 Resp: 838244

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 43.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

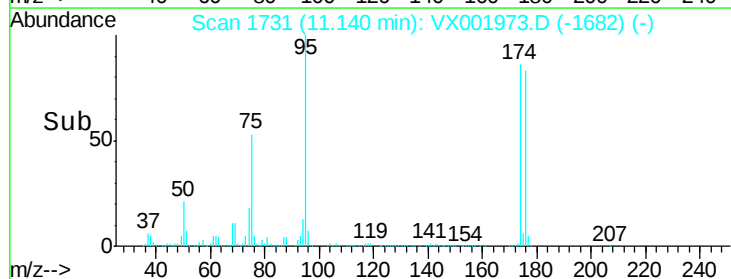
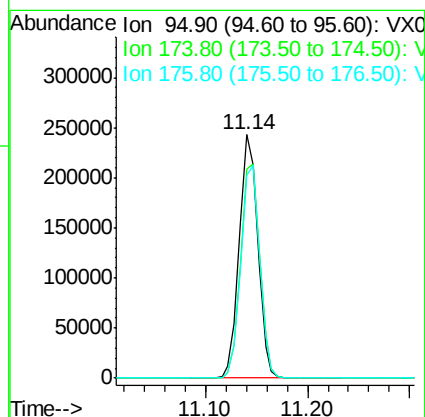
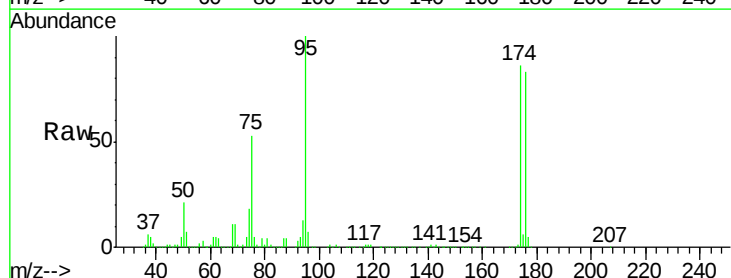
Tgt Ion: 95 Resp: 303849

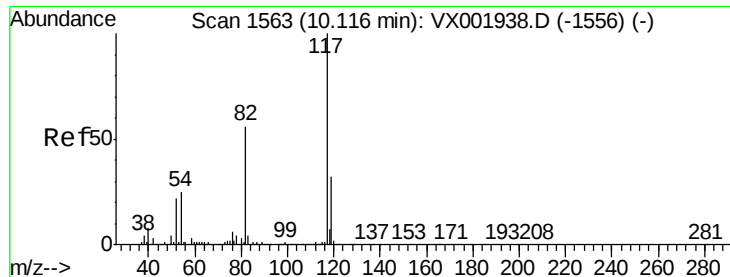
Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.8

176 88.7 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: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

FB-20180522

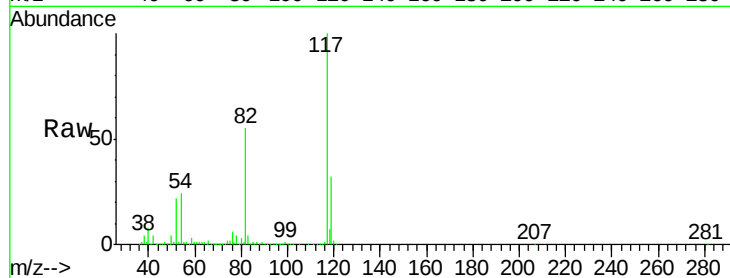
Tgt Ion:117 Resp: 444850

Ion Ratio Lower Upper

117 100

82 55.1 44.8 67.2

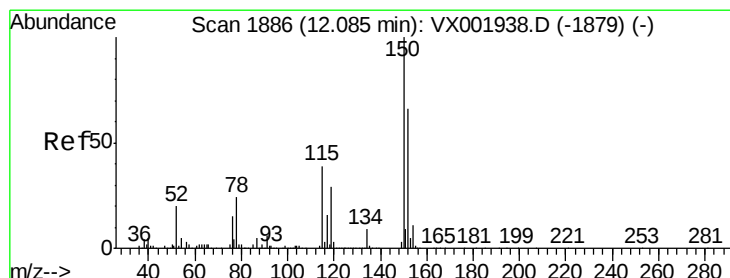
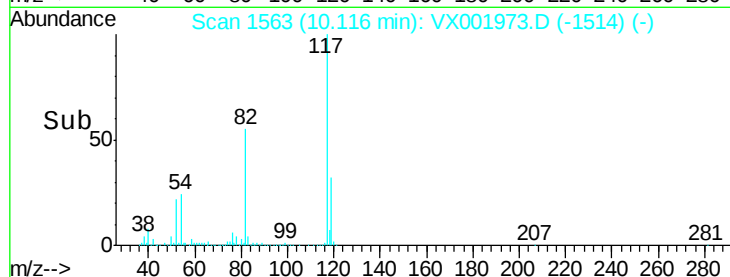
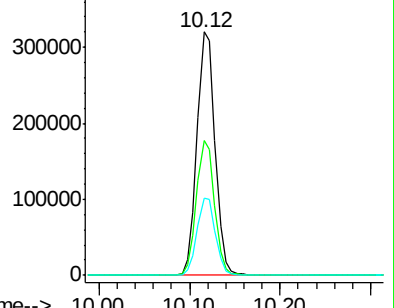
119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

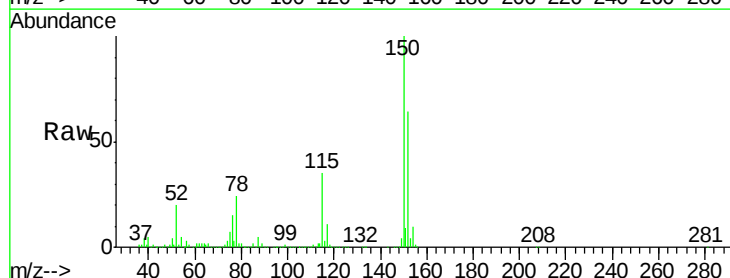
Tgt Ion:152 Resp: 234377

Ion Ratio Lower Upper

152 100

115 55.8 42.3 126.8

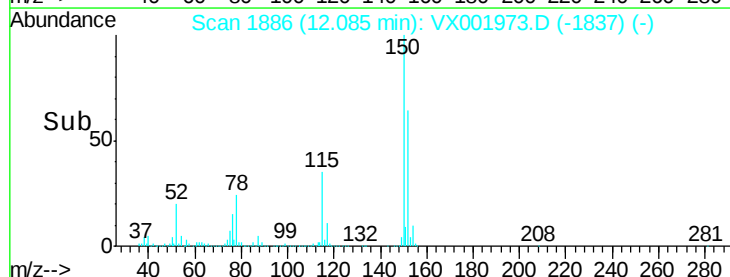
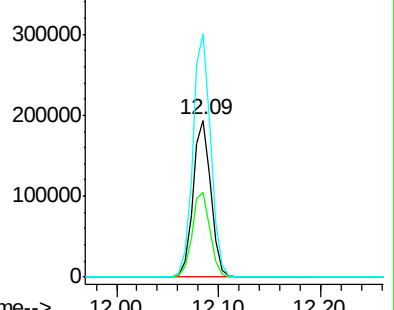
150 156.5 0.0 351.0

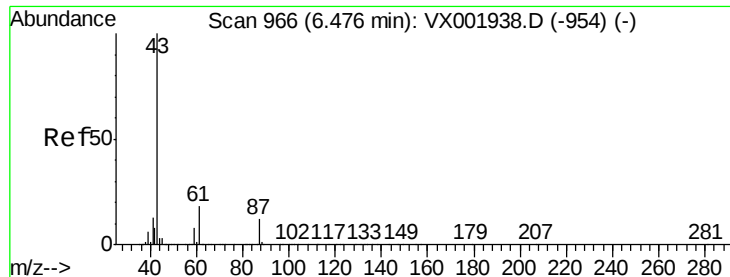


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 6.45 min Scan# 962

Delta R.T. -0.02 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

FB-20180522

Tgt Ion: 43 Resp: 264

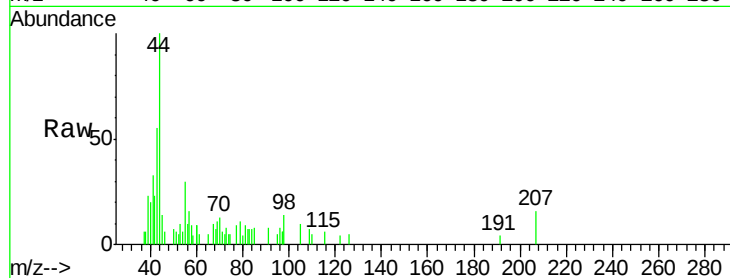
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 33.7 0.1 0.1#

61 0.0 14.5 21.7#

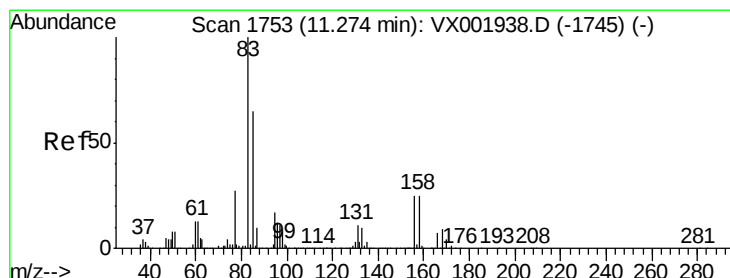
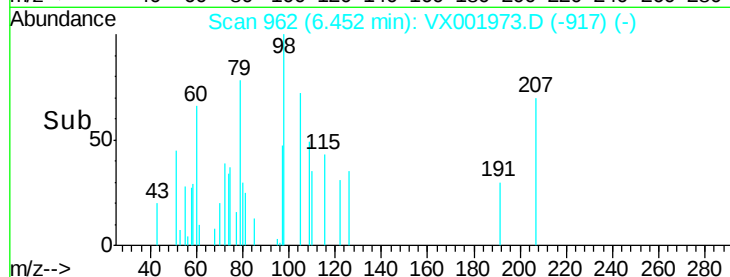
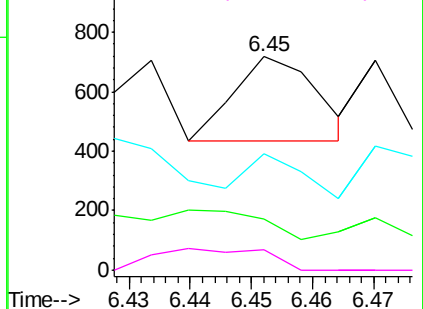


Abundance Ion 43.00 (42.70 to 43.70): VX0

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# 1752

Delta R.T. -0.01 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

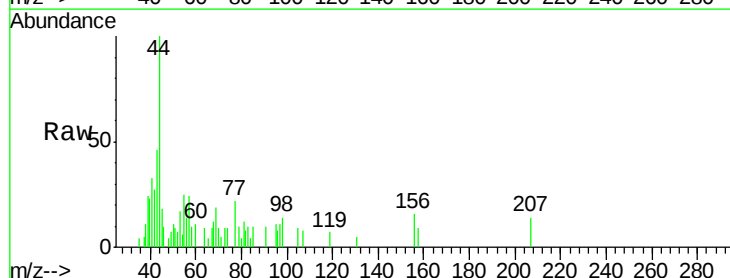
Tgt Ion: 83 Resp: 157

Ion Ratio Lower Upper

83 100

131 14.6 5.7 17.0

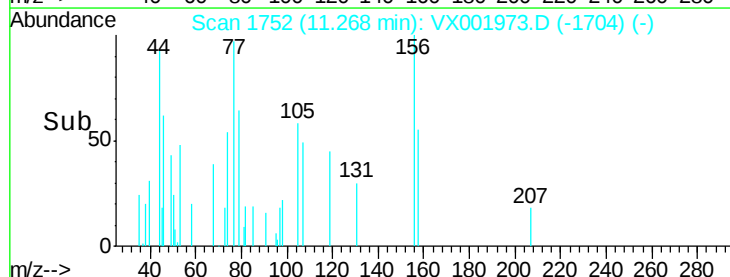
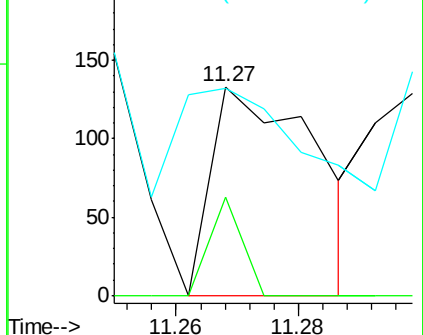
85 144.6 32.6 97.7#

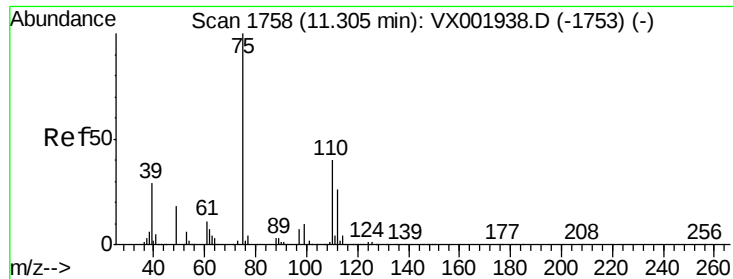


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

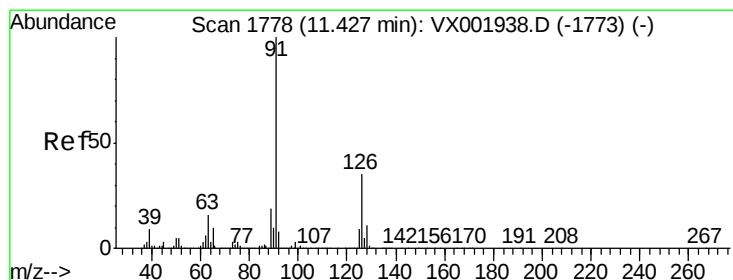
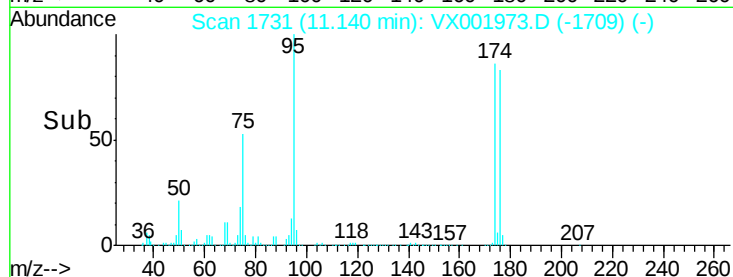
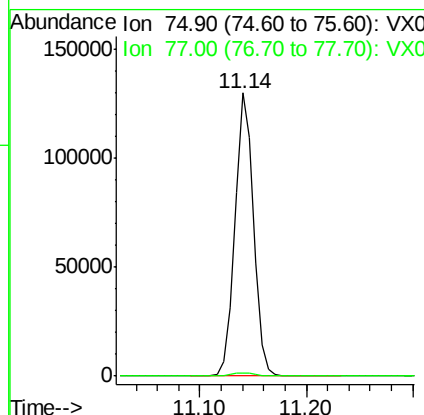
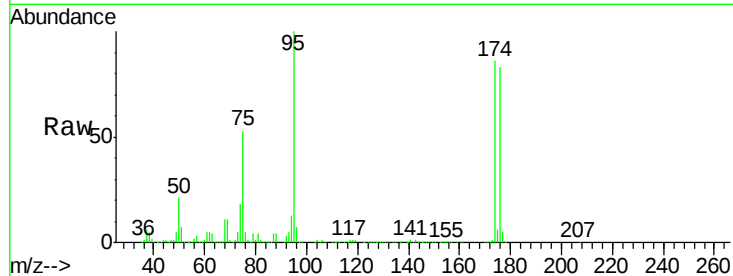




#76
 1,2,3-Trichloropropane
 Concen: 28.22 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001973.D
 Acq: 25 May 2018 13:30

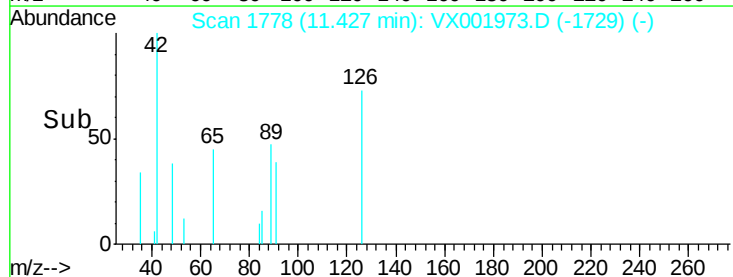
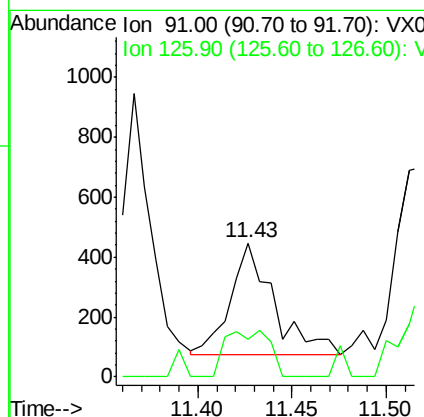
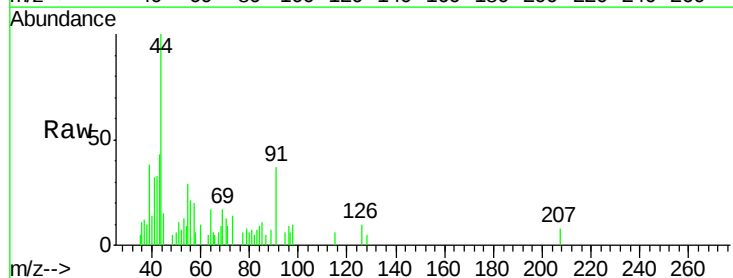
Instrument :
 MSVOA_X
 ClientSampled :
 FB-20180522

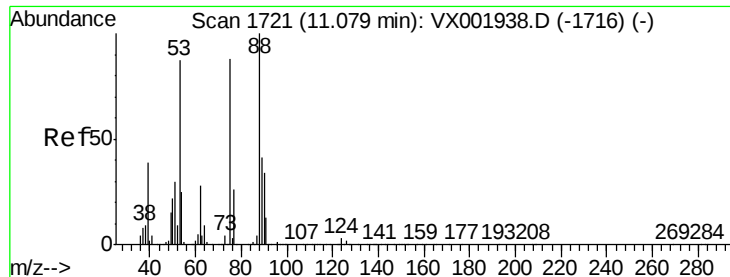
Tgt Ion: 75 Resp: 158859
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001973.D
 Acq: 25 May 2018 13:30

Tgt Ion: 91 Resp: 601
 Ion Ratio Lower Upper
 91 100
 126 41.6 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 67.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001973.D

Acq: 25 May 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

FB-20180522

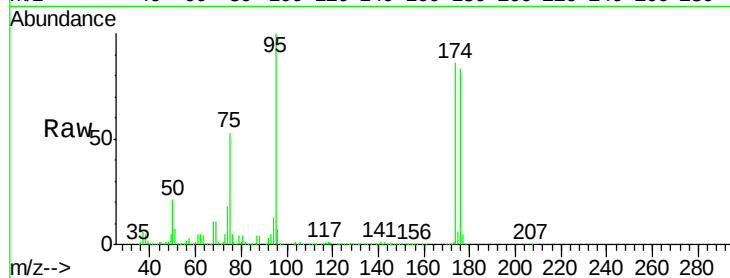
Tgt Ion: 75 Resp: 158859

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

