

Data File : VX001974.D

Acq On : 25 May 2018 13:57

Operator : JC/MD

Sample : J3111-03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20180523

Quant Time: May 26 00:37:13 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	310610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	471414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	426104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	290588	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	5.51	113	223919	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	8.72	98	816364	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.14	95	293790	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	595	Below Cal	#	41
3) Chloromethane	1.33	50	1020	0.21 ug/l	#	76
5) Bromomethane	1.61	94	187	Below Cal	#	1
10) Methyl Iodide	2.53	142	1622	0.31 ug/l	#	82
11) Tert butyl alcohol	3.02	59	6796	6.24 ug/l	#	85
13) Acrolein	2.31	56	398	0.84 ug/l	#	82
16) Acetone	2.45	43	13084	6.11 ug/l		98
18) Methyl Acetate	2.79	43	789	Below Cal	#	69
20) Methylene Chloride	2.86	84	1959	Below Cal	#	88
21) trans-1,2-Dichloroethene	3.18	96	237	Below Cal	#	35
28) Bromochloromethane	5.01	49	126	Below Cal	#	14
29) Tetrahydrofuran	5.18	42	1029	0.40 ug/l	#	81
31) Cyclohexane	5.67	56	6517	0.85 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	21480	3.28 ug/l	#	53
38) Carbon Tetrachloride	5.67	117	28525	3.73 ug/l	#	14
41) Methacrylonitrile	5.07	41	202	Below Cal	#	42
74) N-amyl acetate	6.48	43	428	Below Cal	#	75
75) 1,1,2,2-Tetrachloroethane	11.28	83	335	Below Cal	#	83
76) 1,2,3-Trichloropropane	11.14	75	155077	28.51 ug/l	#	33
79) 2-Chlorotoluene	11.37	91	689	Below Cal		76
81) trans-1,4-Dichloro-2-buten	11.14	75	155077	68.51 ug/l	#	10

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

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ClientSampleId :

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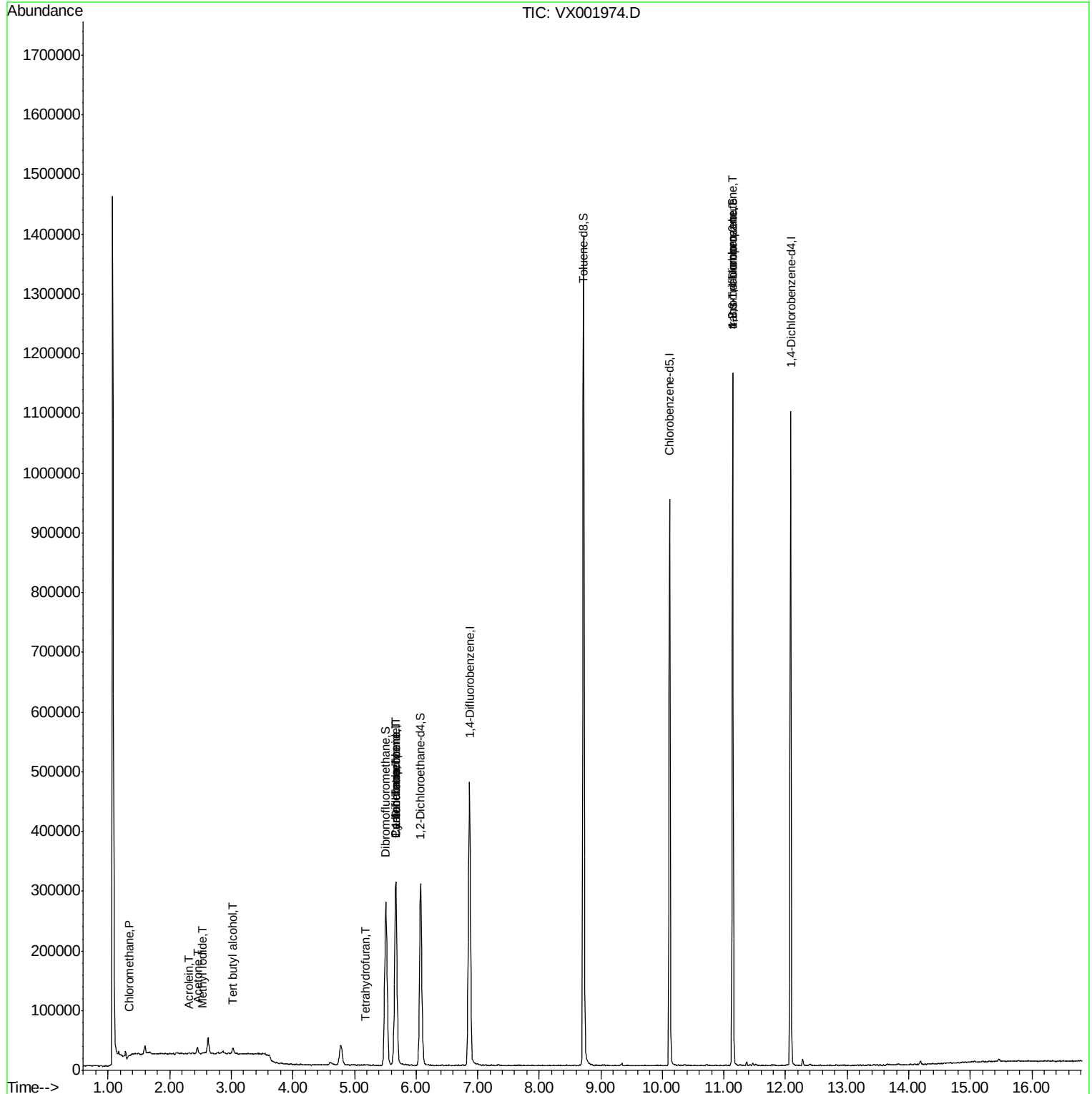
Quant Time: May 26 00:37:13 2018

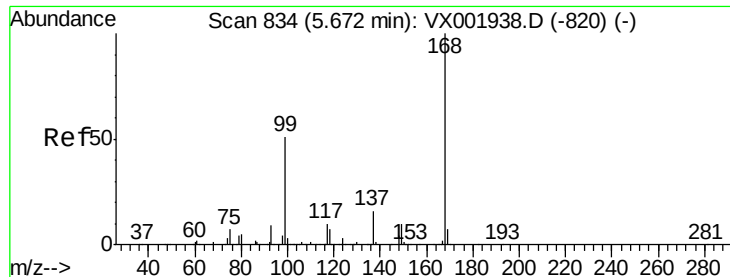
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

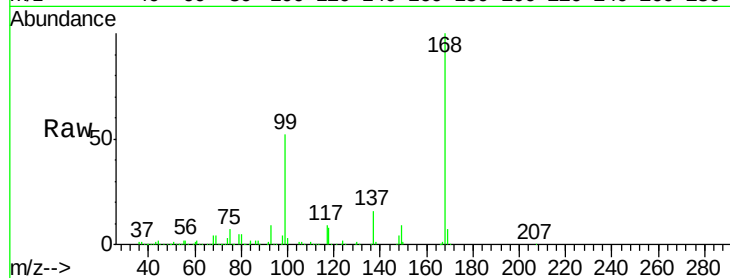
FB-20180523

Tgt Ion:168 Resp: 310610

Ion Ratio Lower Upper

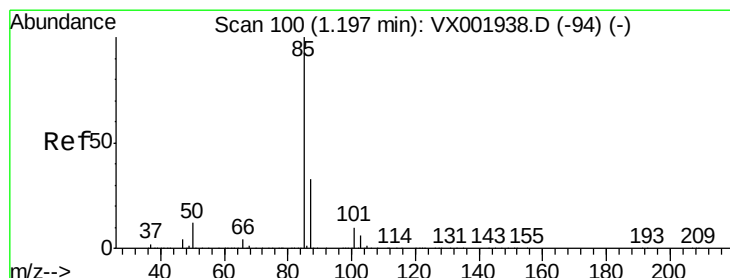
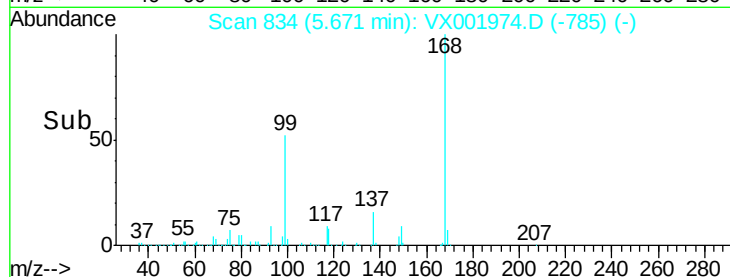
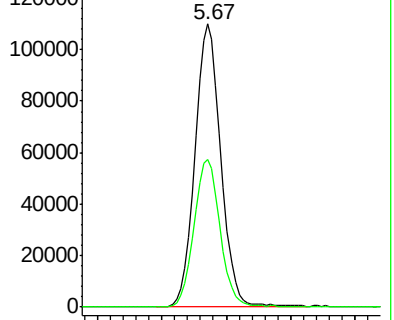
168 100

99 52.4 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: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX001974.D

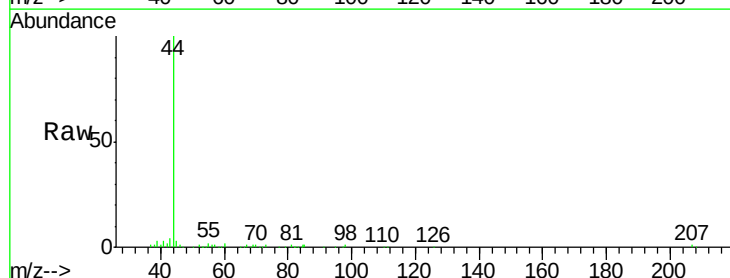
Acq: 25 May 2018 13:57

Tgt Ion: 85 Resp: 595

Ion Ratio Lower Upper

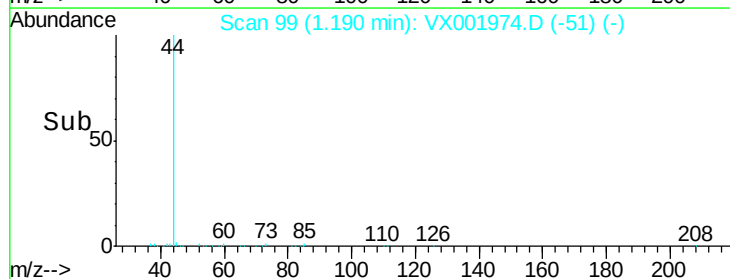
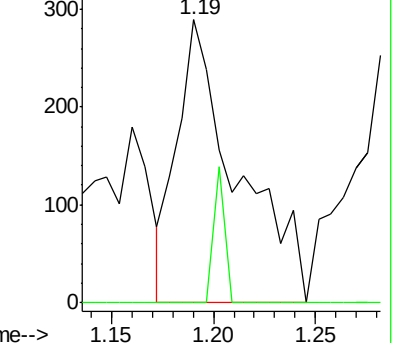
85 100

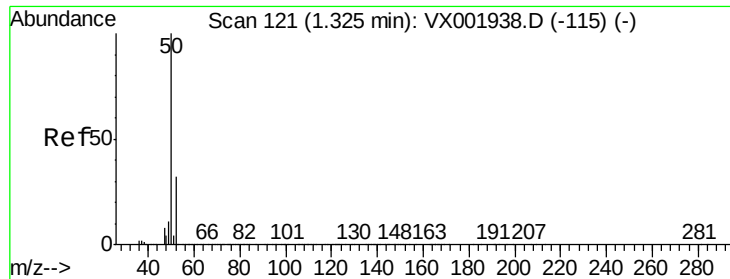
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

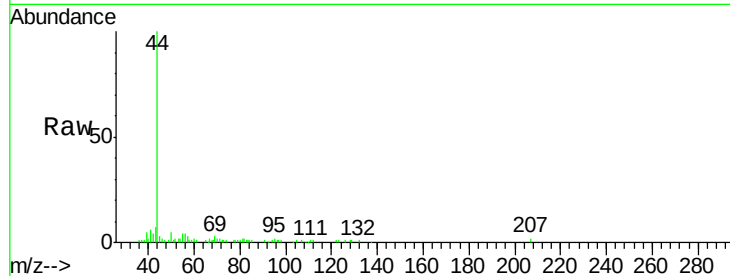
FB-20180523

Tgt Ion: 50 Resp: 1020

Ion Ratio Lower Upper

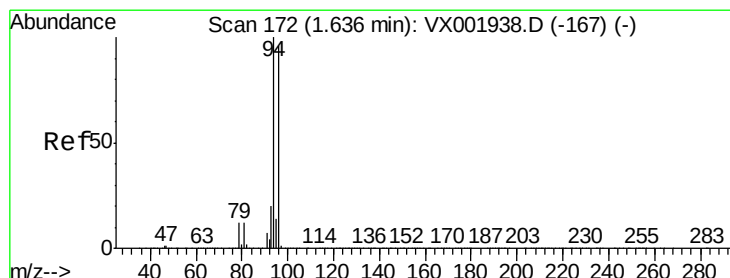
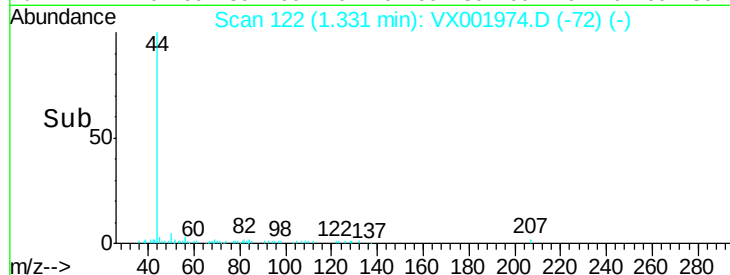
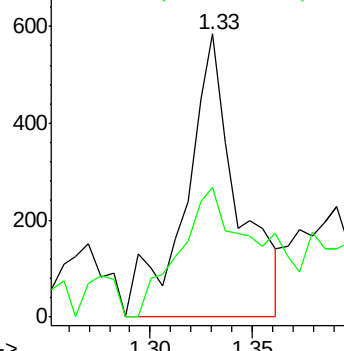
50 100

52 45.9 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VX001974.D

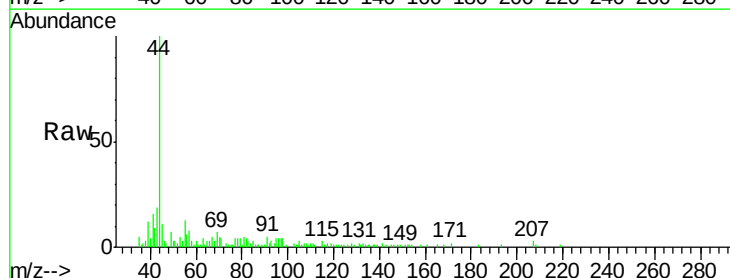
Acq: 25 May 2018 13:57

Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

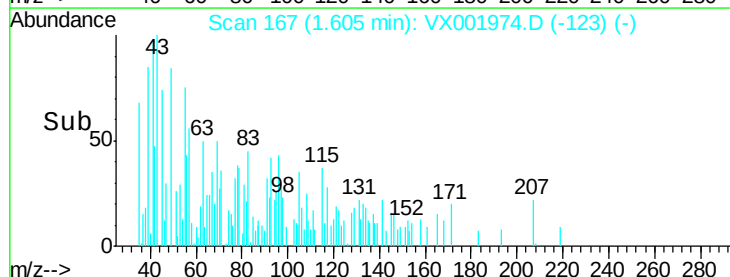
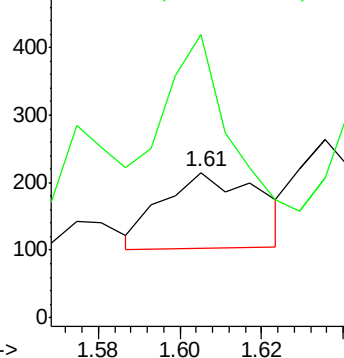
94 100

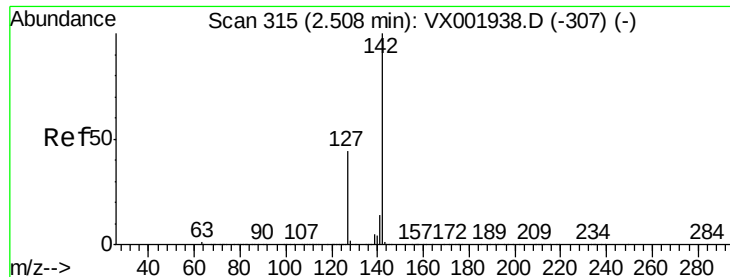
96 260.6 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

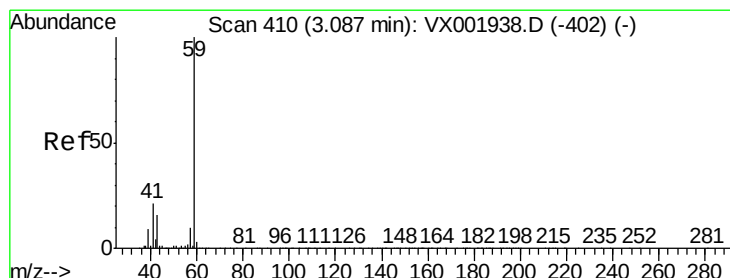
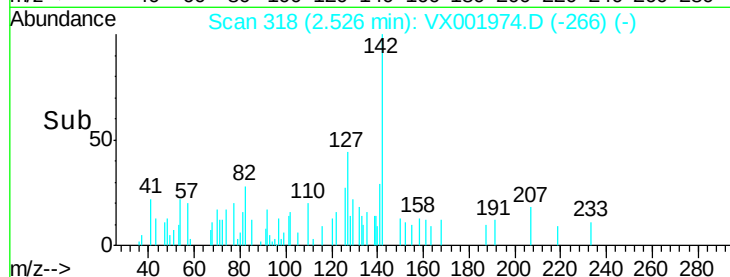
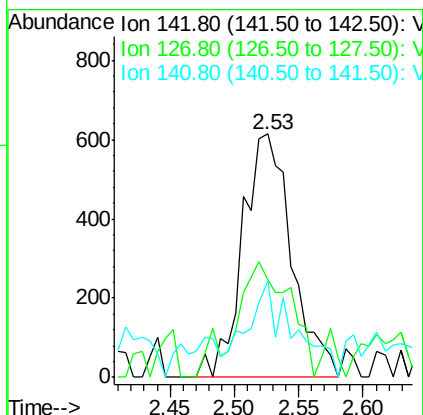
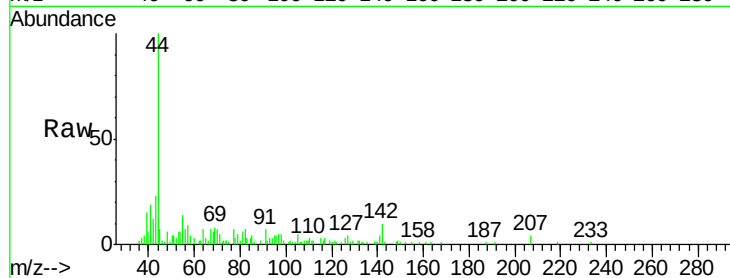




#10
Methyl Iodide
Concen: 0.31 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX001974.D
Acq: 25 May 2018 13:57

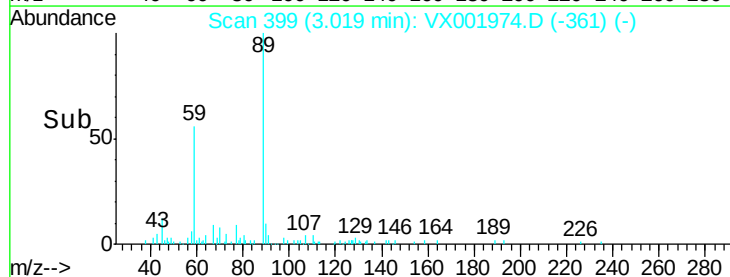
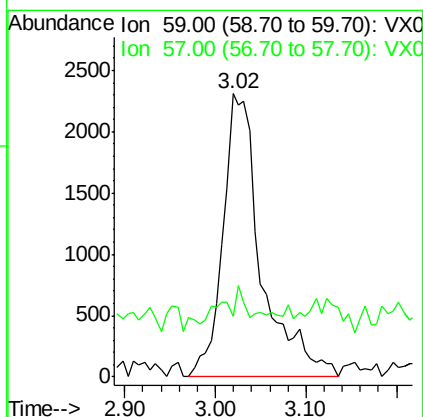
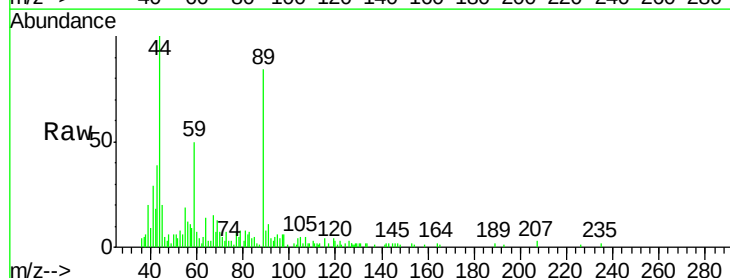
Instrument :
MSVOA_X
ClientSampleId :
FB-20180523

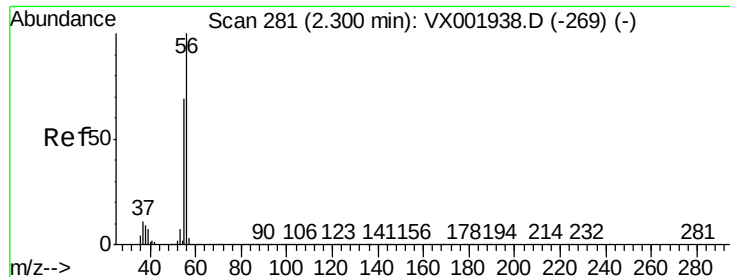
Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.6	35.5	53.3
141	38.5	11.3	16.9#



#11
Tert butyl alcohol
Concen: 6.24 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.07 min
Lab File: VX001974.D
Acq: 25 May 2018 13:57

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.9	13.3#





#13

Acrolein

Concen: 0.84 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

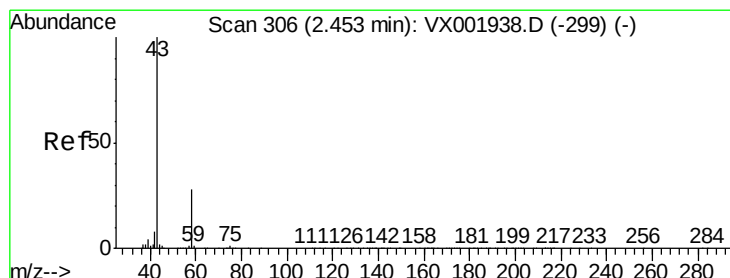
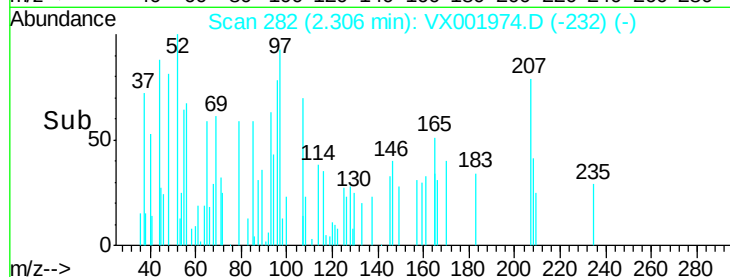
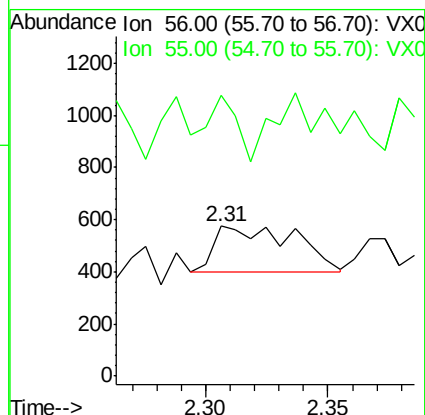
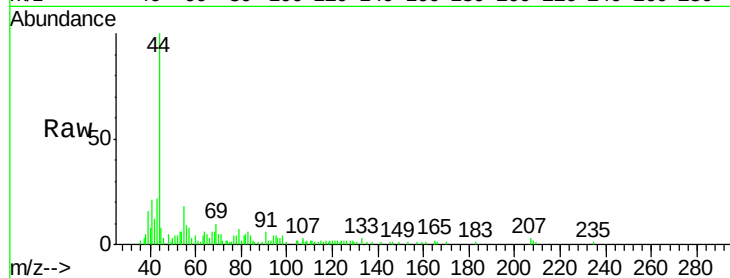
FB-20180523

Tgt Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

55 55.8 56.8 85.2#



#16

Acetone

Concen: 6.11 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001974.D

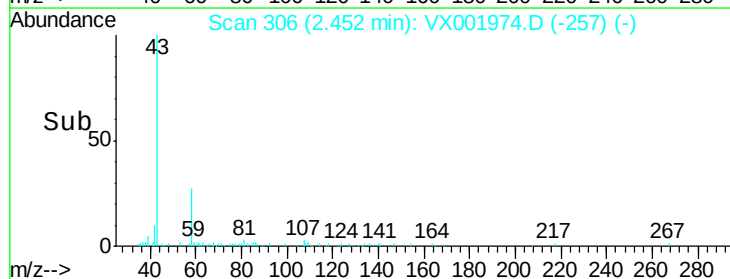
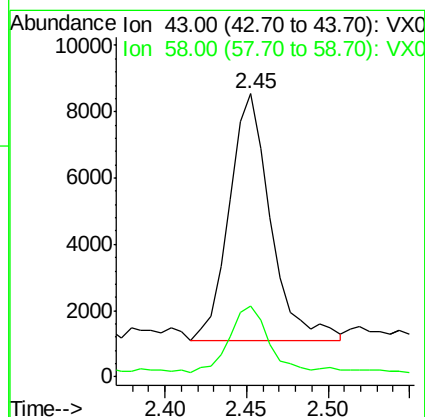
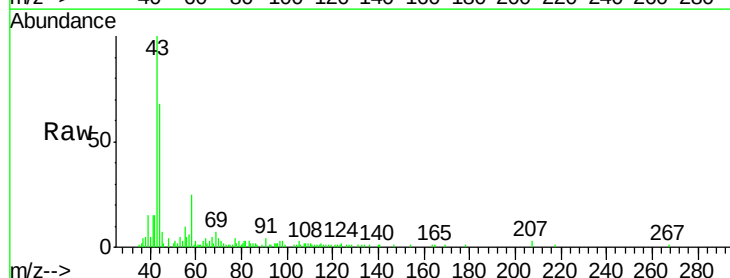
Acq: 25 May 2018 13:57

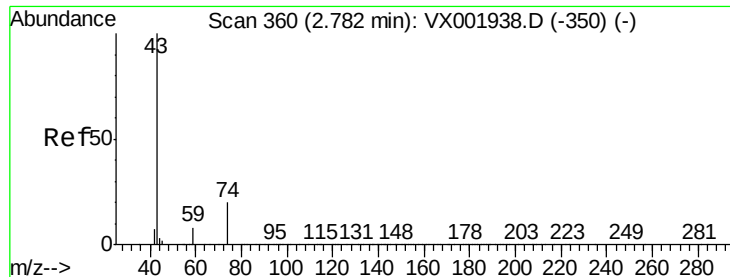
Tgt Ion: 43 Resp: 13084

Ion Ratio Lower Upper

43 100

58 26.9 22.3 33.5

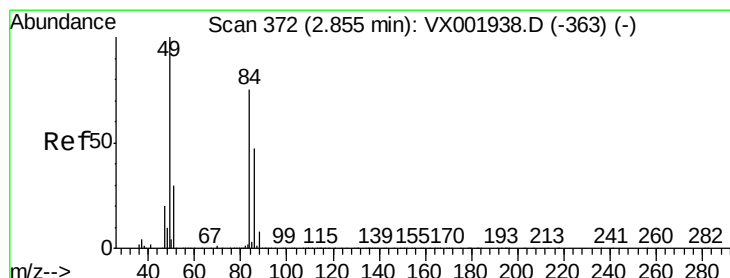
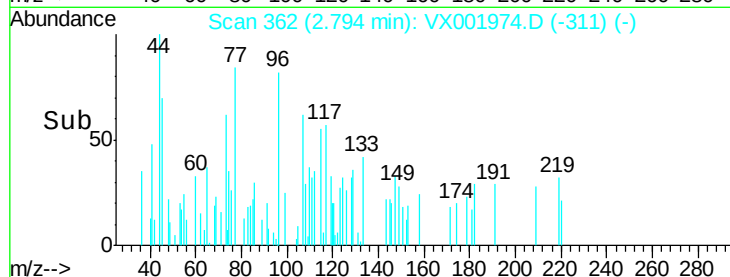
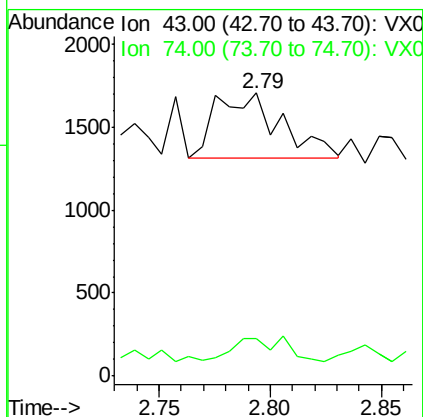
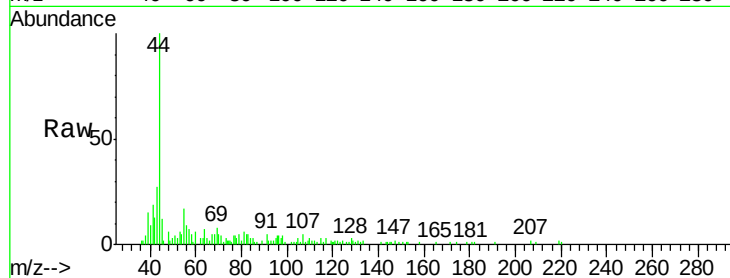




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX001974.D
Acq: 25 May 2018 13:57

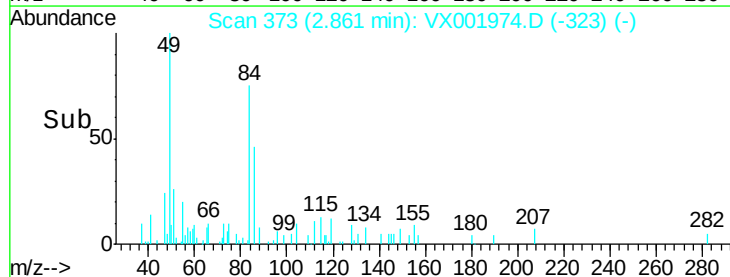
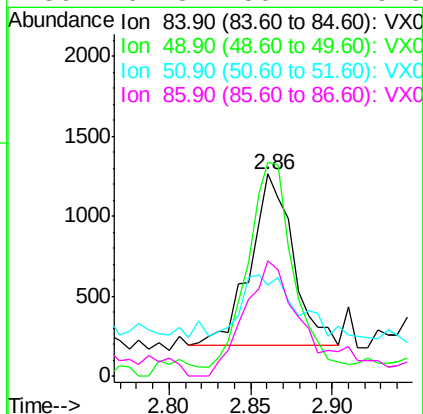
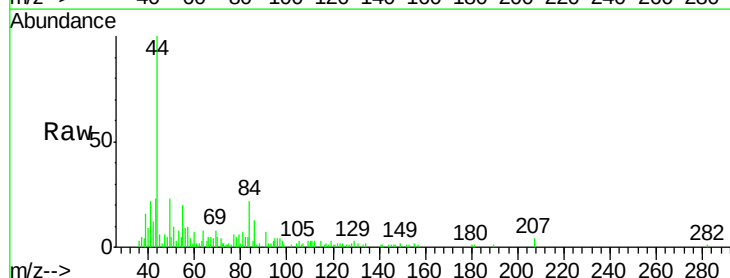
Instrument :
MSVOA_X
ClientSampleId :
FB-20180523

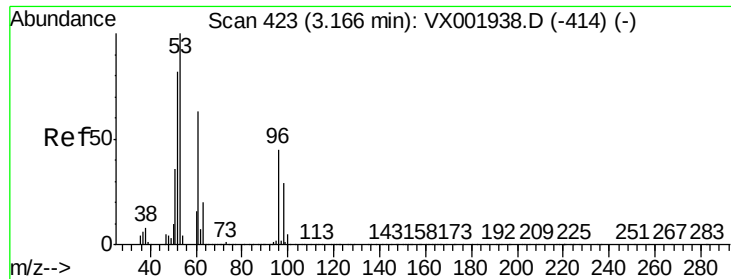
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
74 35.4 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001974.D
Acq: 25 May 2018 13:57

Tgt Ion: 84 Resp: 1959
Ion Ratio Lower Upper
84 100
49 117.6 107.2 160.8
51 30.7 32.4 48.6#
86 67.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.18 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

FB-20180523

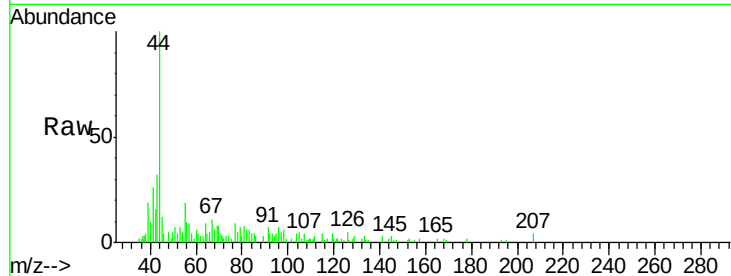
Tgt Ion: 96 Resp: 237

Ion Ratio Lower Upper

96 100

61 37.6 113.3 169.9#

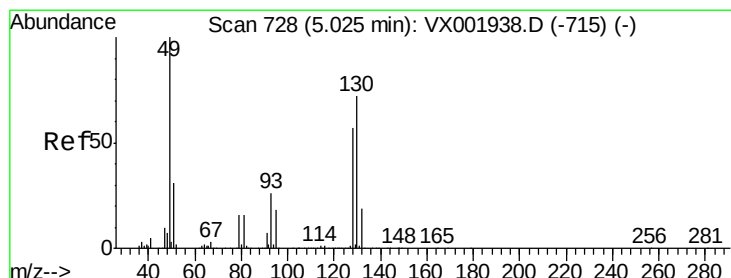
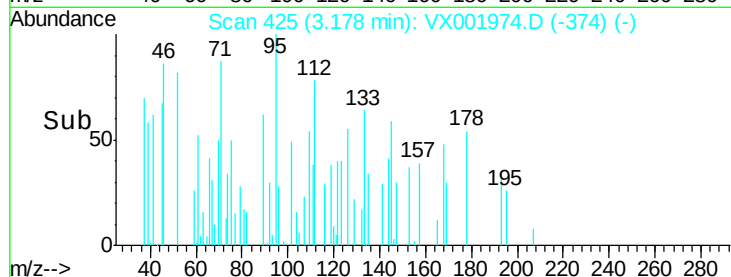
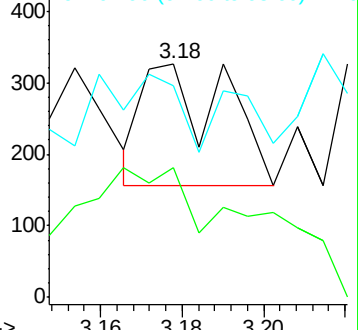
98 47.1 51.7 77.5#



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: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

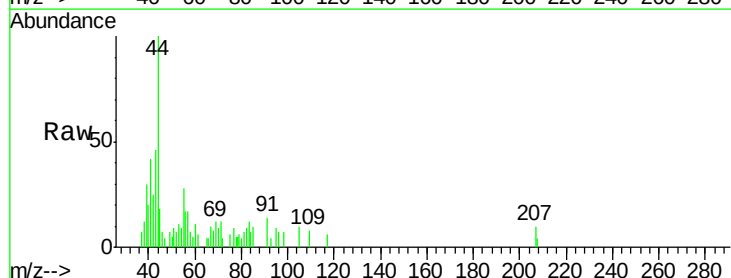
Tgt Ion: 49 Resp: 126

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

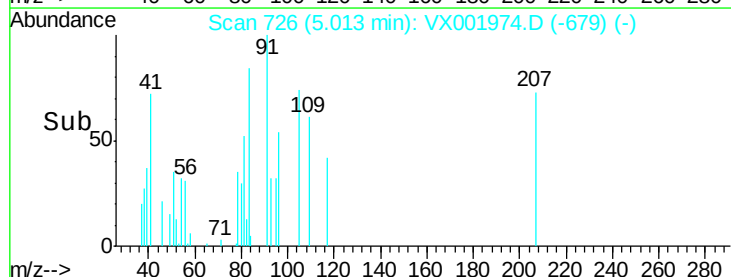
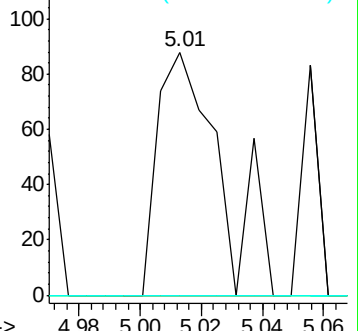
130 0.0 59.4 89.2#

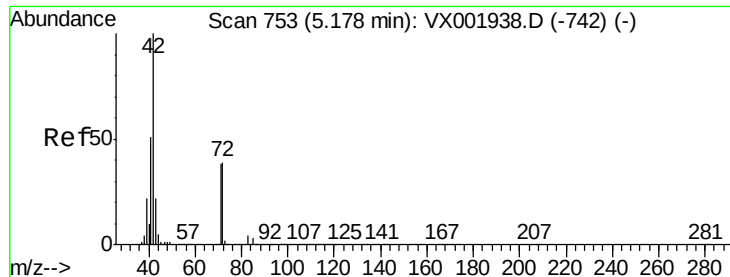


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

FB-20180523

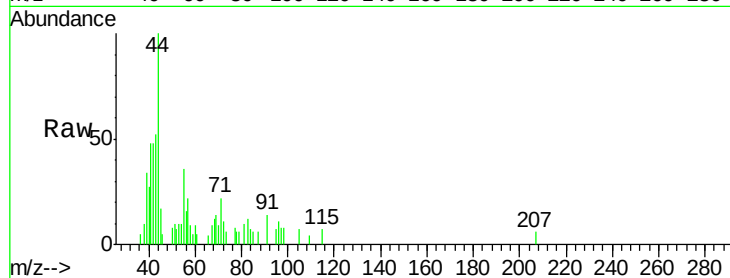
Tgt Ion: 42 Resp: 1029

Ion Ratio Lower Upper

42 100

72 50.3 31.4 47.0#

71 25.4 29.5 44.3#



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

5.18

600

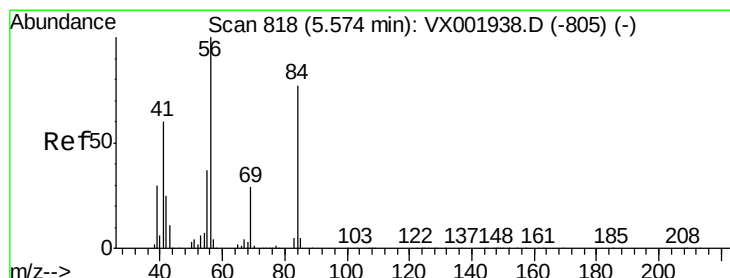
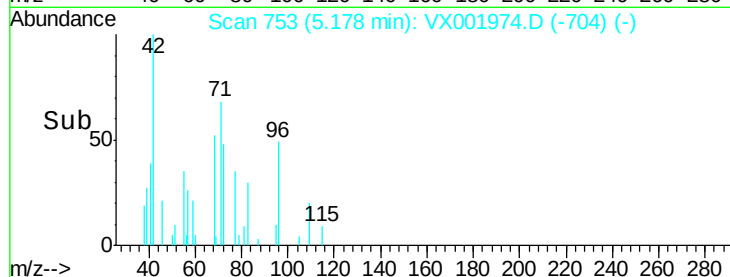
400

200

0

5.15 5.20 5.25

Time-->



#31

Cyclohexane

Concen: 0.85 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

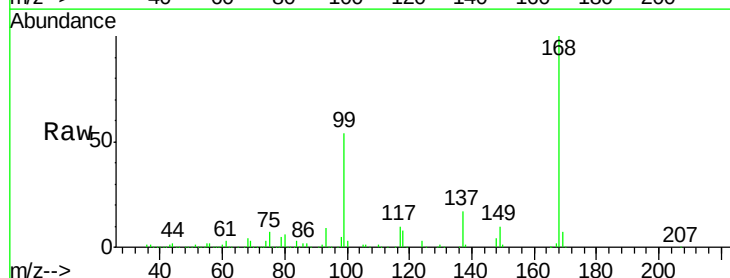
Tgt Ion: 56 Resp: 6517

Ion Ratio Lower Upper

56 100

69 144.4 23.1 34.7#

84 129.9 62.0 93.0#



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

5.67

5000

4000

3000

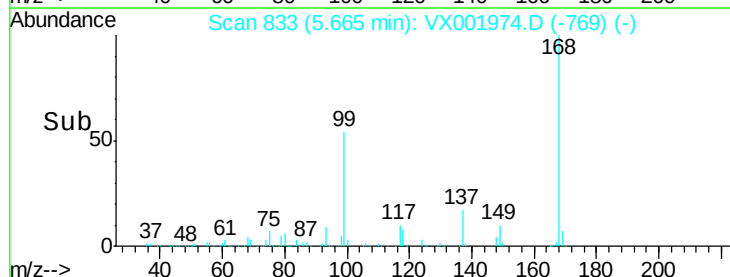
2000

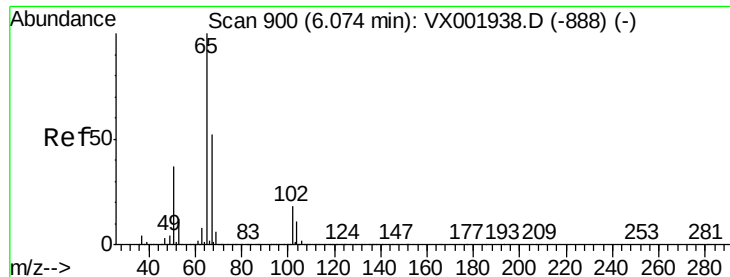
1000

0

5.60 5.70

Time-->

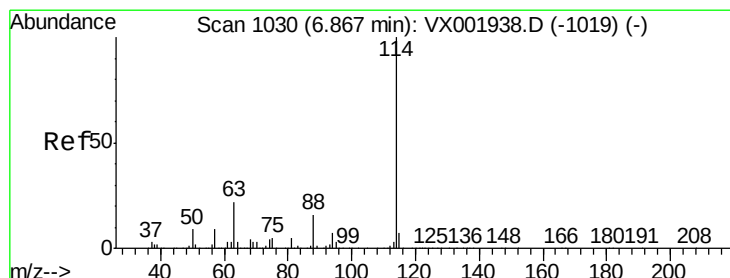
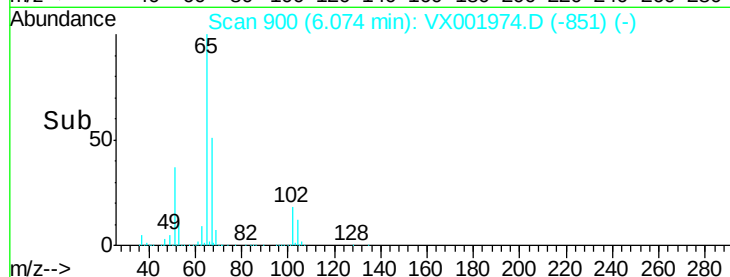
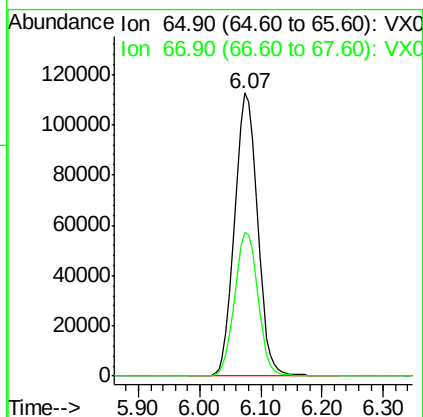
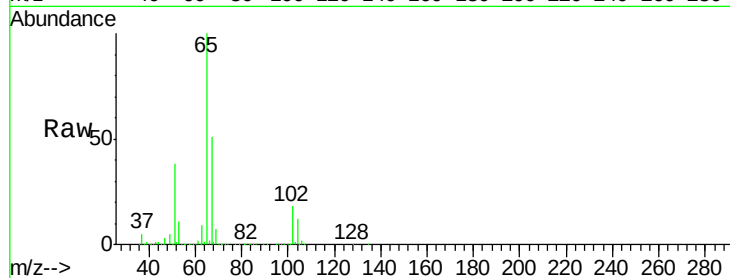




#33
 1,2-Dichloroethane-d4
 Concen: 52.34 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001974.D
 Acq: 25 May 2018 13:57

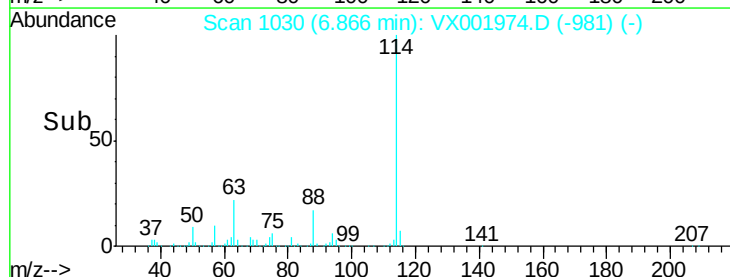
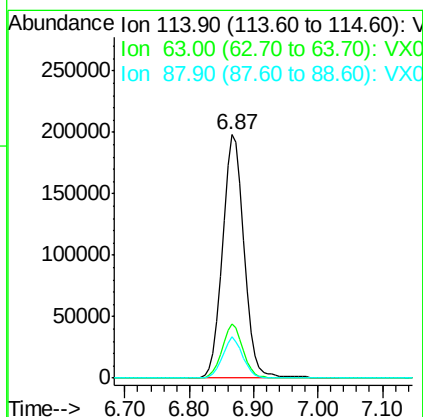
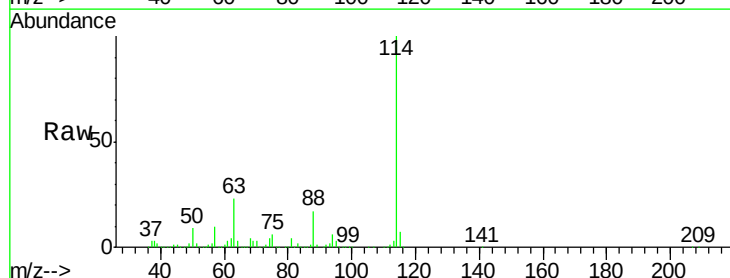
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-20180523

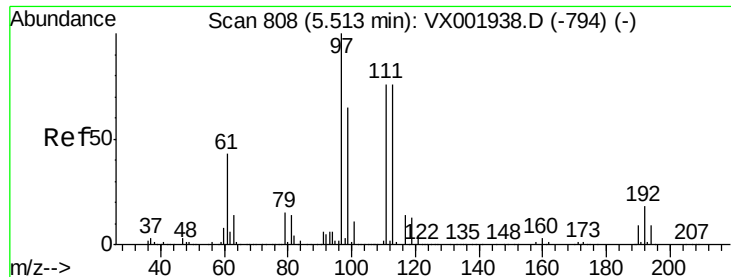
Tgt Ion: 65 Resp: 290588
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001974.D
 Acq: 25 May 2018 13:57

Tgt Ion: 114 Resp: 471414
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.2
 88 16.9 0.0 31.6

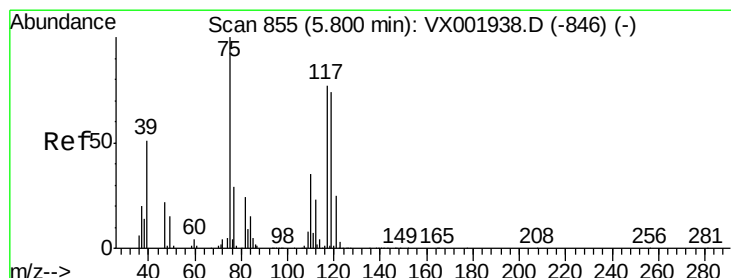
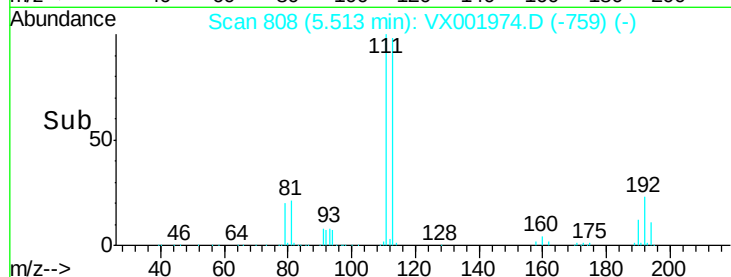
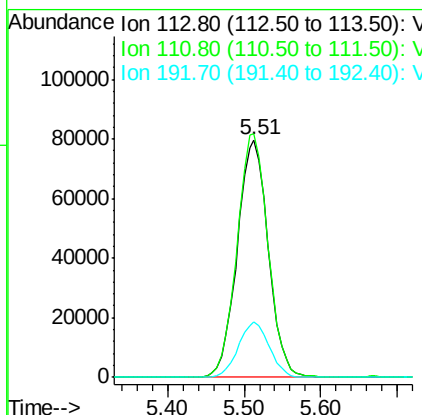
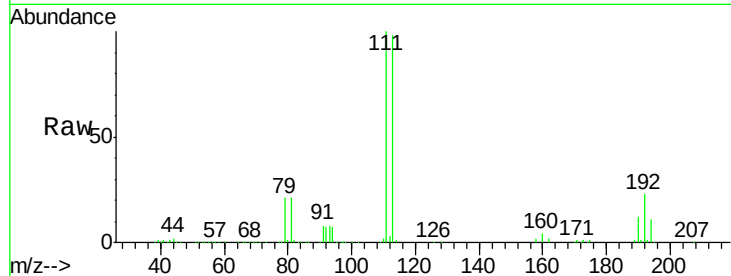




#35
 Dibromofluoromethane
 Concen: 47.50 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001974.D
 Acq: 25 May 2018 13:57

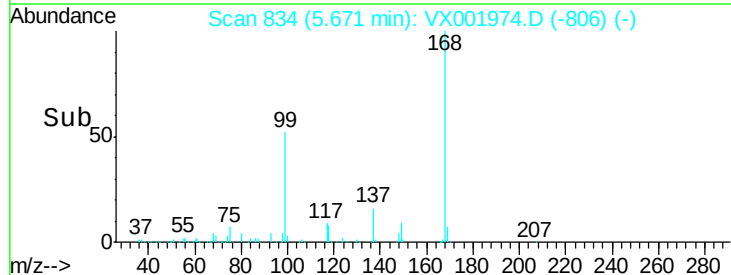
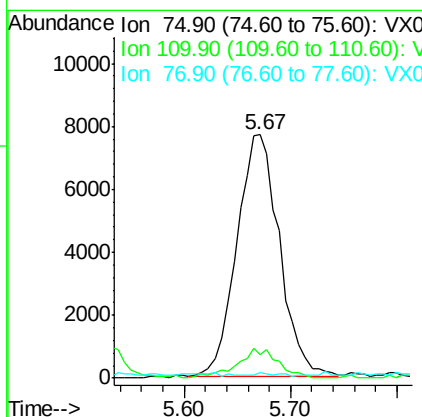
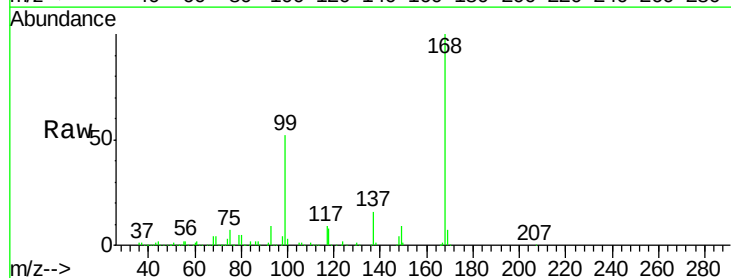
Instrument :
 MSVOA_X
 ClientSampled :
 FB-20180523

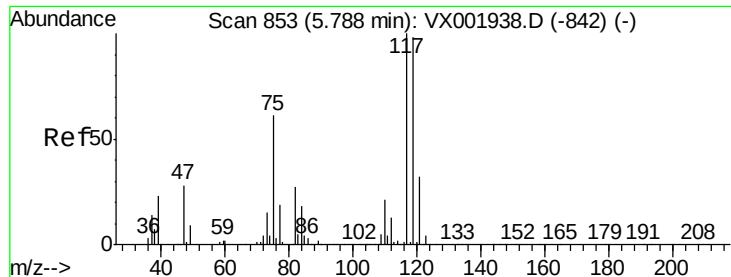
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.3	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 3.28 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001974.D
 Acq: 25 May 2018 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.4	52.2#
77	0.3	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 3.73 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampled :

FB-20180523

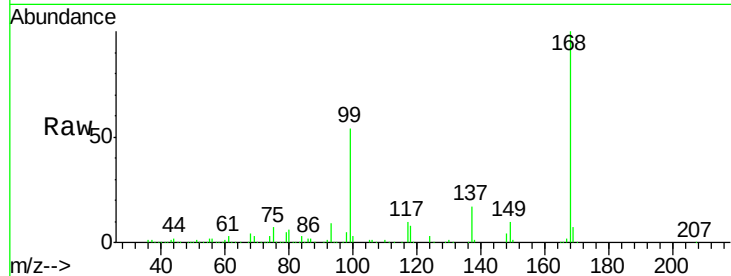
Tgt Ion: 117 Resp: 28525

Ion Ratio Lower Upper

117 100

119 3.4 78.5 117.7#

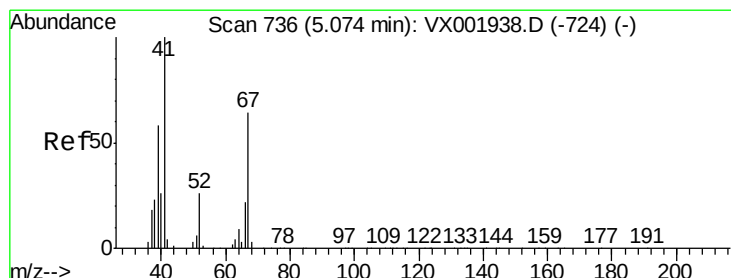
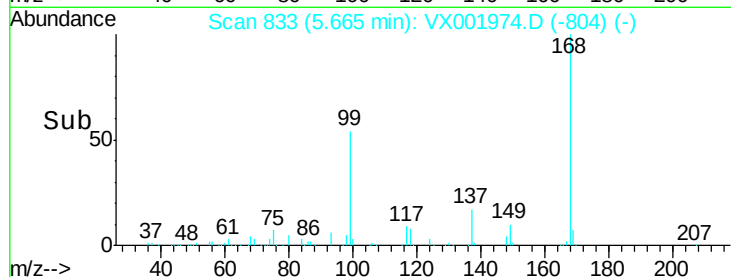
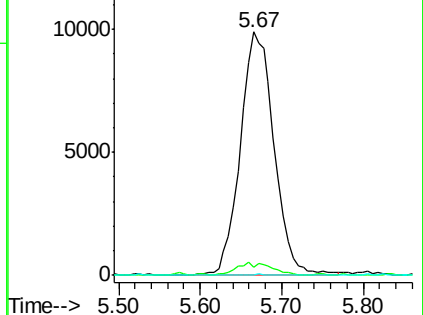
121 0.0 25.5 38.3#



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# 736

Delta R.T. -0.00 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Tgt Ion: 41 Resp: 202

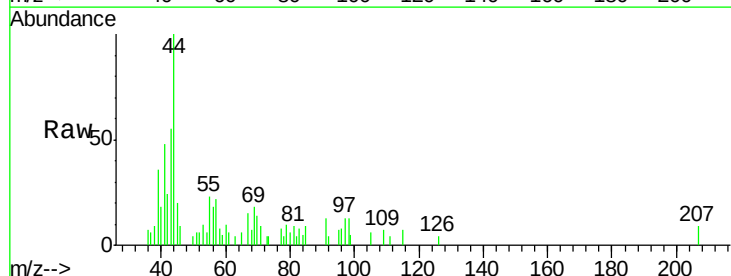
Ion Ratio Lower Upper

41 100

39 33.7 46.0 69.0#

67 121.8 50.6 75.8#

52 63.9 21.9 32.9#

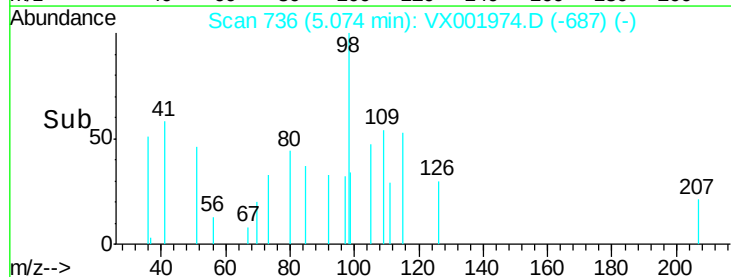
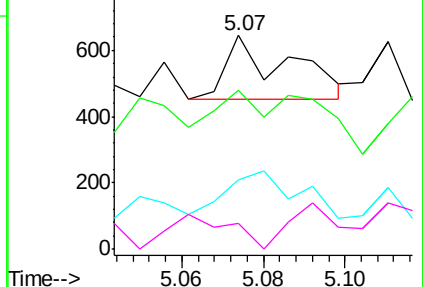


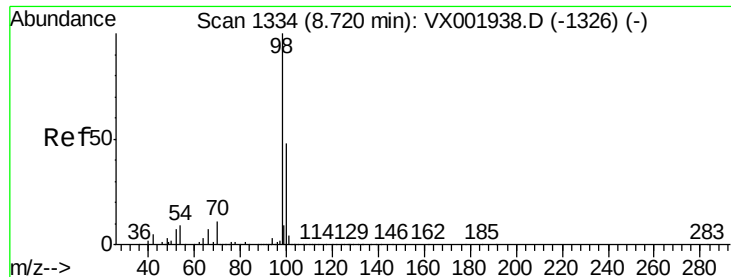
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.83 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

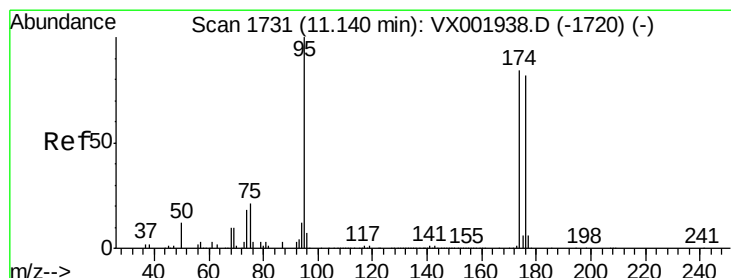
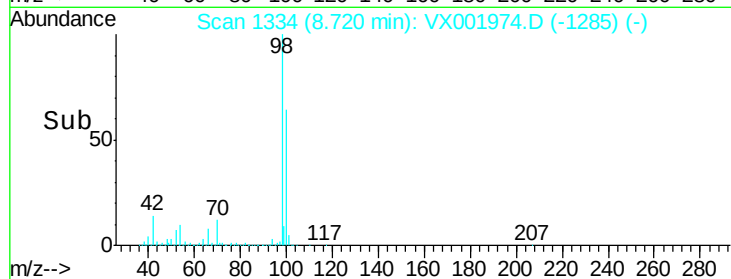
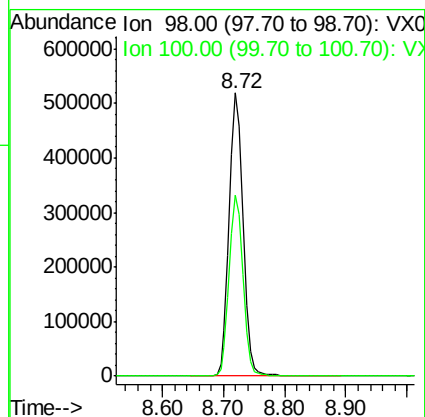
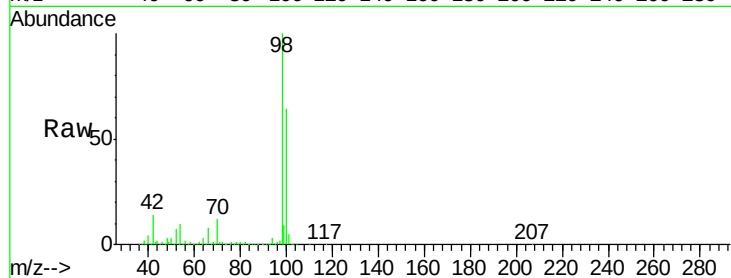
FB-20180523

Tgt Ion: 98 Resp: 816364

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 44.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

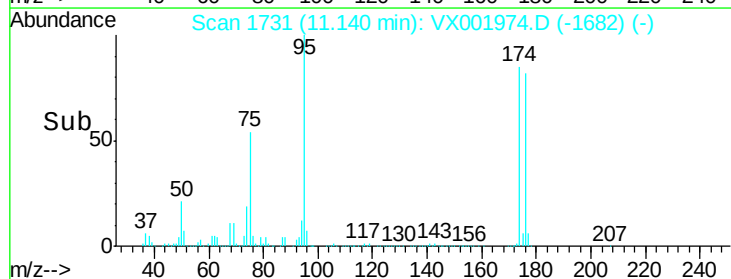
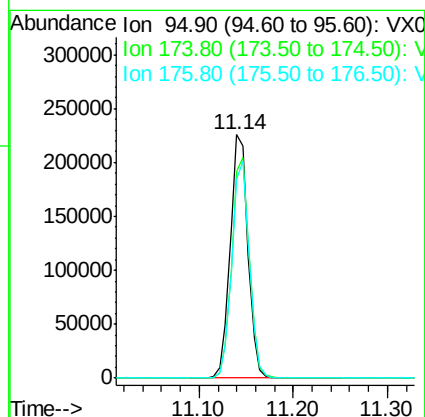
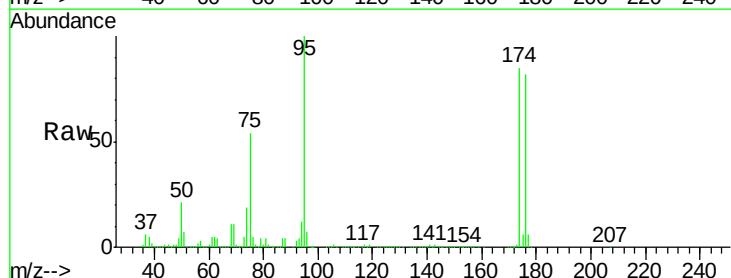
Tgt Ion: 95 Resp: 293790

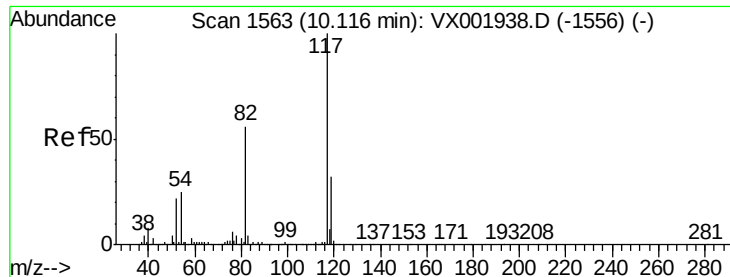
Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

176 88.1 0.0 175.6

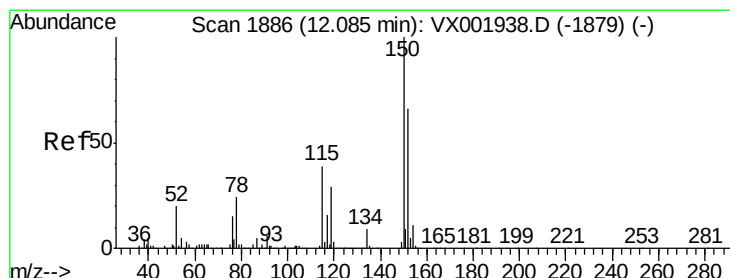
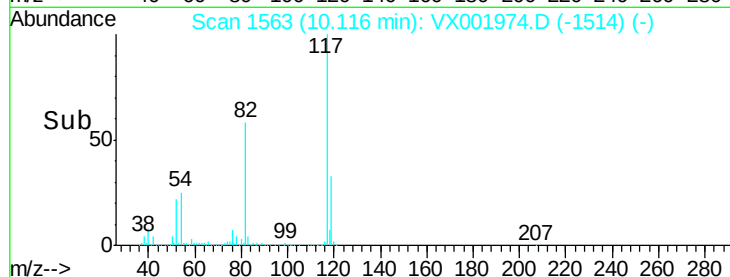
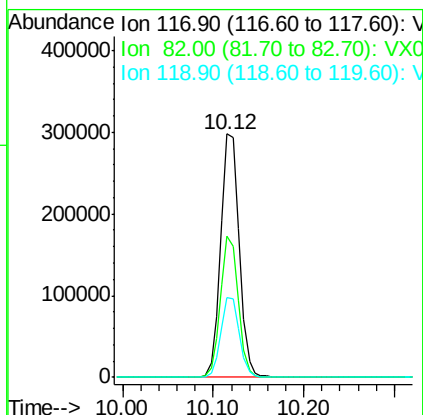
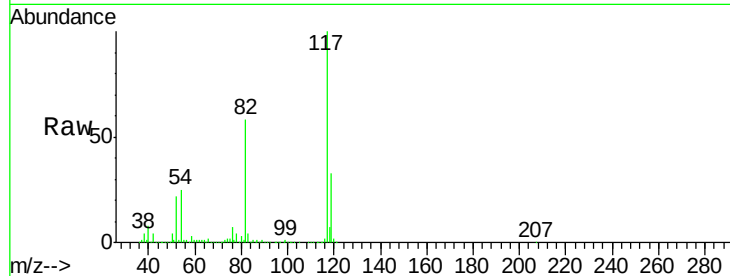




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001974.D
Acq: 25 May 2018 13:57

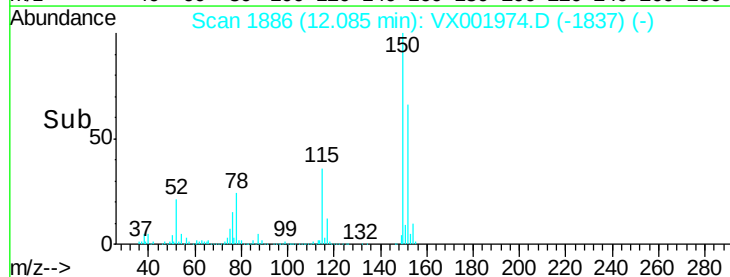
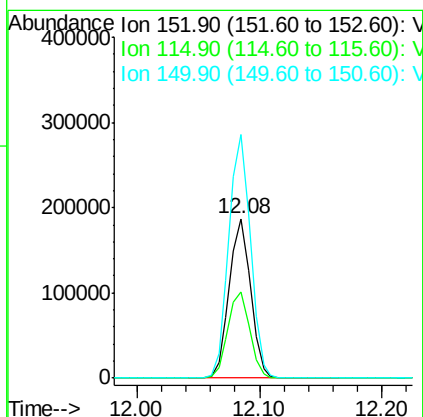
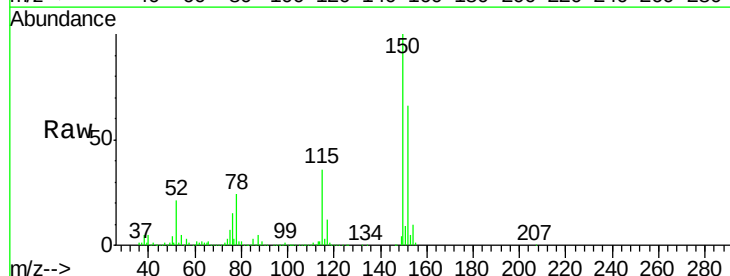
Instrument :
MSVOA_X
ClientSampleId :
FB-20180523

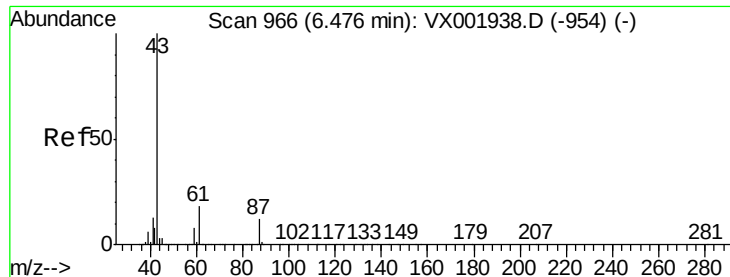
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.8	67.2
119	32.8	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001974.D
Acq: 25 May 2018 13:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	42.3	126.8
150	154.7	0.0	351.0





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

FB-20180523

Tgt Ion: 43 Resp: 428

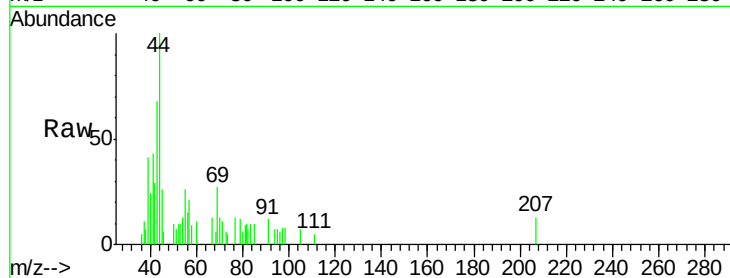
Ion Ratio Lower Upper

43 100

70 22.7 0.1 0.1#

55 37.6 0.1 0.1#

61 6.8 14.5 21.7#

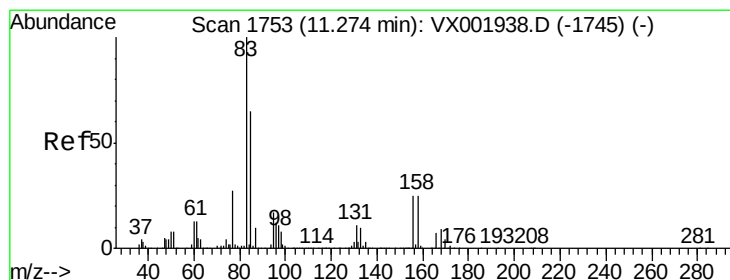
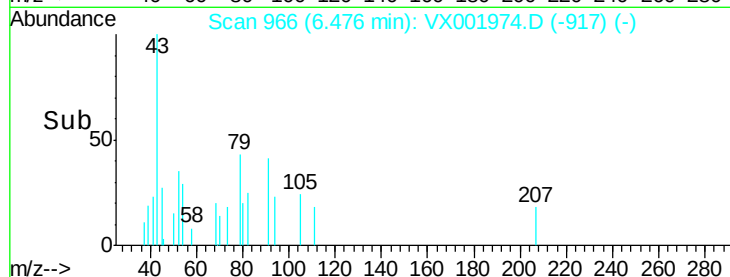
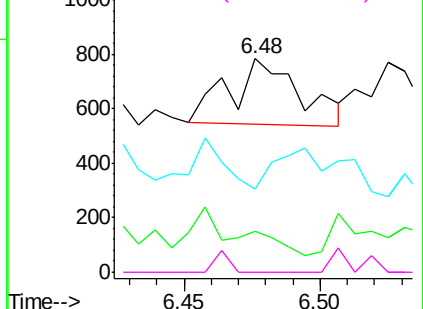


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

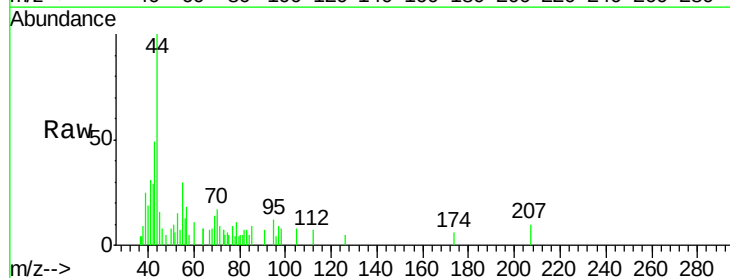
Tgt Ion: 83 Resp: 335

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

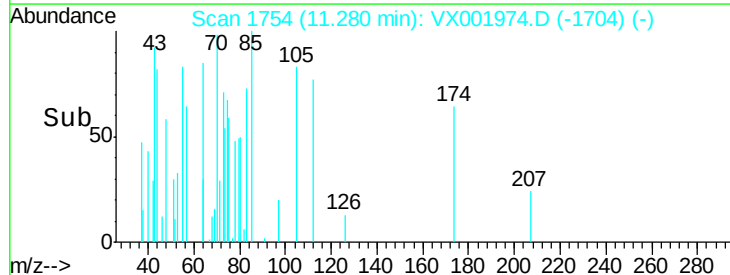
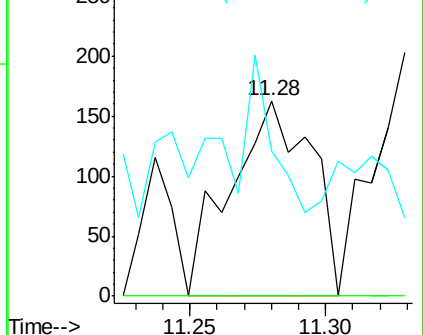
85 53.7 32.6 97.7

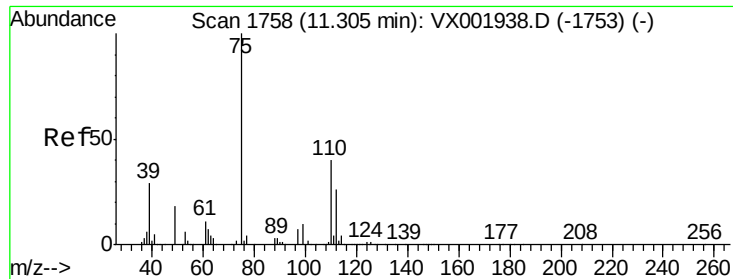


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

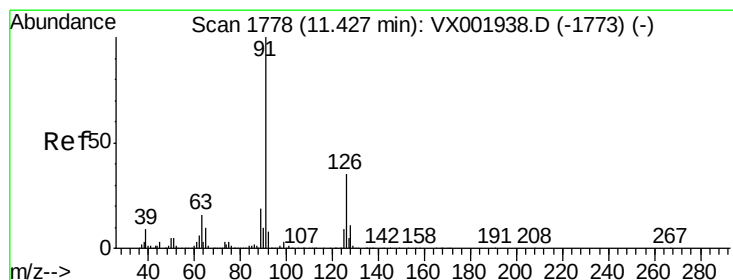
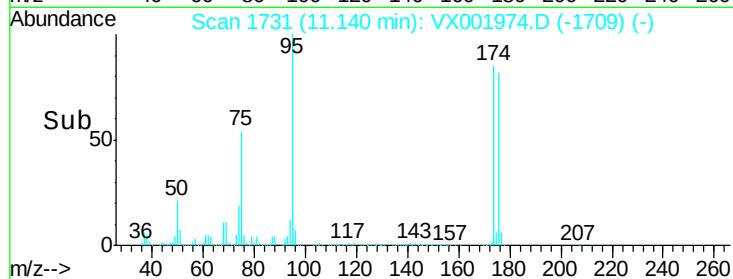
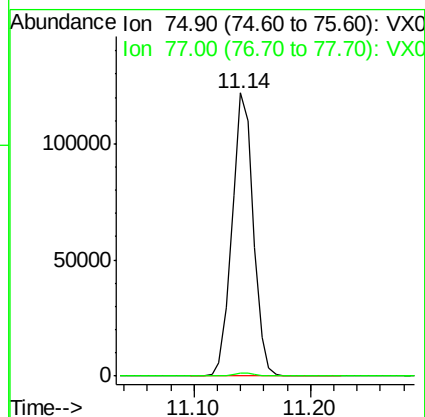
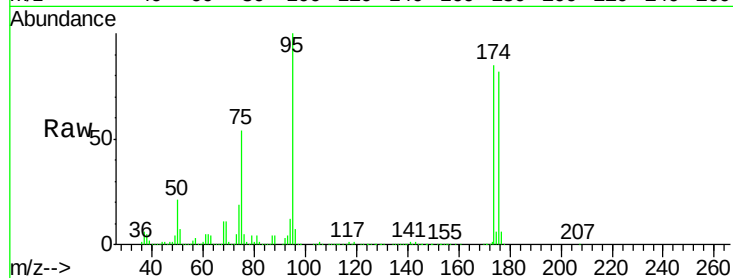




#76
 1,2,3-Trichloropropane
 Concen: 28.51 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001974.D
 Acq: 25 May 2018 13:57

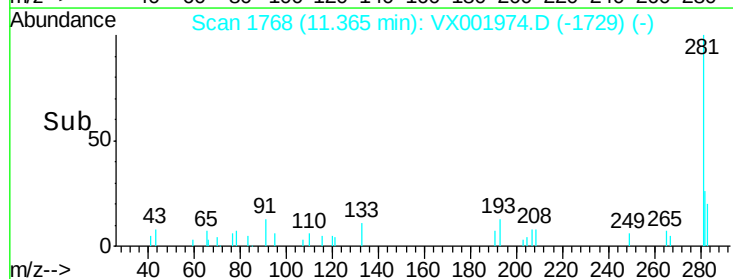
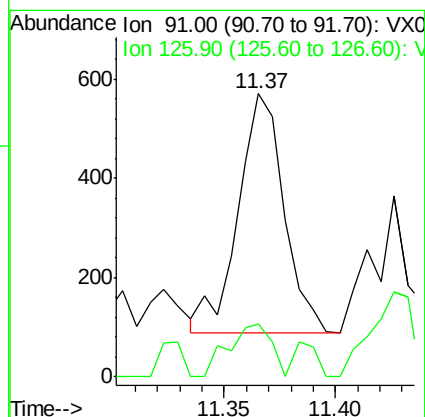
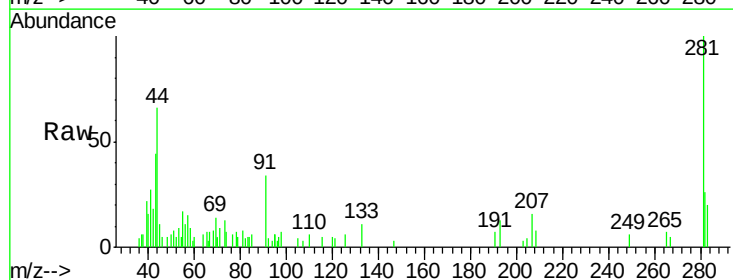
Instrument :
 MSVOA_X
 ClientSampled :
 FB-20180523

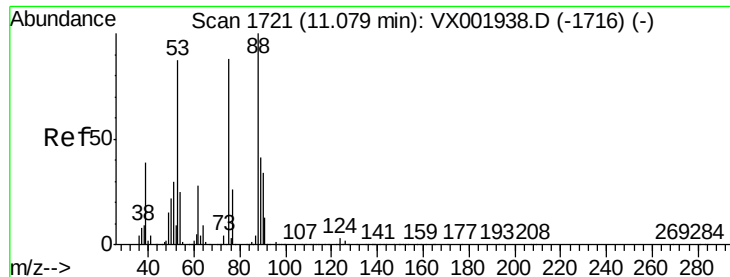
Tgt Ion: 75 Resp: 155077
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.37 min Scan# 1768
 Delta R.T. -0.06 min
 Lab File: VX001974.D
 Acq: 25 May 2018 13:57

Tgt Ion: 91 Resp: 689
 Ion Ratio Lower Upper
 91 100
 126 20.9 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 68.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001974.D

Acq: 25 May 2018 13:57

Instrument :

MSVOA_X

ClientSampleId :

FB-20180523

Tgt Ion: 75 Resp: 155077

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#

