

Data File : VX001975.D

Acq On : 25 May 2018 14:23

Operator : JC/MD

Sample : J3015-19

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20180517

Quant Time: May 26 00:38:06 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	316909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	479695	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	435246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230088	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	290317	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	5.51	113	224217	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	8.72	98	822906	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.14	95	298319	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	263	Below Cal	#	41
3) Chloromethane	1.33	50	1011	0.21 ug/l	#	65
5) Bromomethane	1.65	94	557	Below Cal	#	50
10) Methyl Iodide	2.53	142	1613	0.30 ug/l	#	79
11) Tert butyl alcohol	3.03	59	3070	2.76 ug/l	#	90
13) Acrolein	2.31	56	373	0.78 ug/l	#	14
16) Acetone	2.45	43	17807	8.15 ug/l		97
18) Methyl Acetate	2.78	43	838	Below Cal	#	51
20) Methylene Chloride	2.87	84	2660	Below Cal		85
21) trans-1,2-Dichloroethene	3.16	96	154	Below Cal	#	24
25) 2-Butanone	4.72	43	3990	1.00 ug/l	#	90
28) Bromochloromethane	5.04	49	28	Below Cal	#	1
29) Tetrahydrofuran	5.17	42	1998	0.77 ug/l	#	69
31) Cyclohexane	5.67	56	6280	0.80 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	21656	3.25 ug/l	#	54
38) Carbon Tetrachloride	5.67	117	29639	3.81 ug/l	#	13
41) Methacrylonitrile	5.06	41	202	Below Cal	#	20
74) N-amyl acetate	6.45	43	402	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.26	83	112	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.14	75	156583	28.33 ug/l	#	32
79) 2-Chlorotoluene	11.42	91	495	Below Cal		89
81) trans-1,4-Dichloro-2-buten	11.14	75	156583	68.10 ug/l	#	10

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

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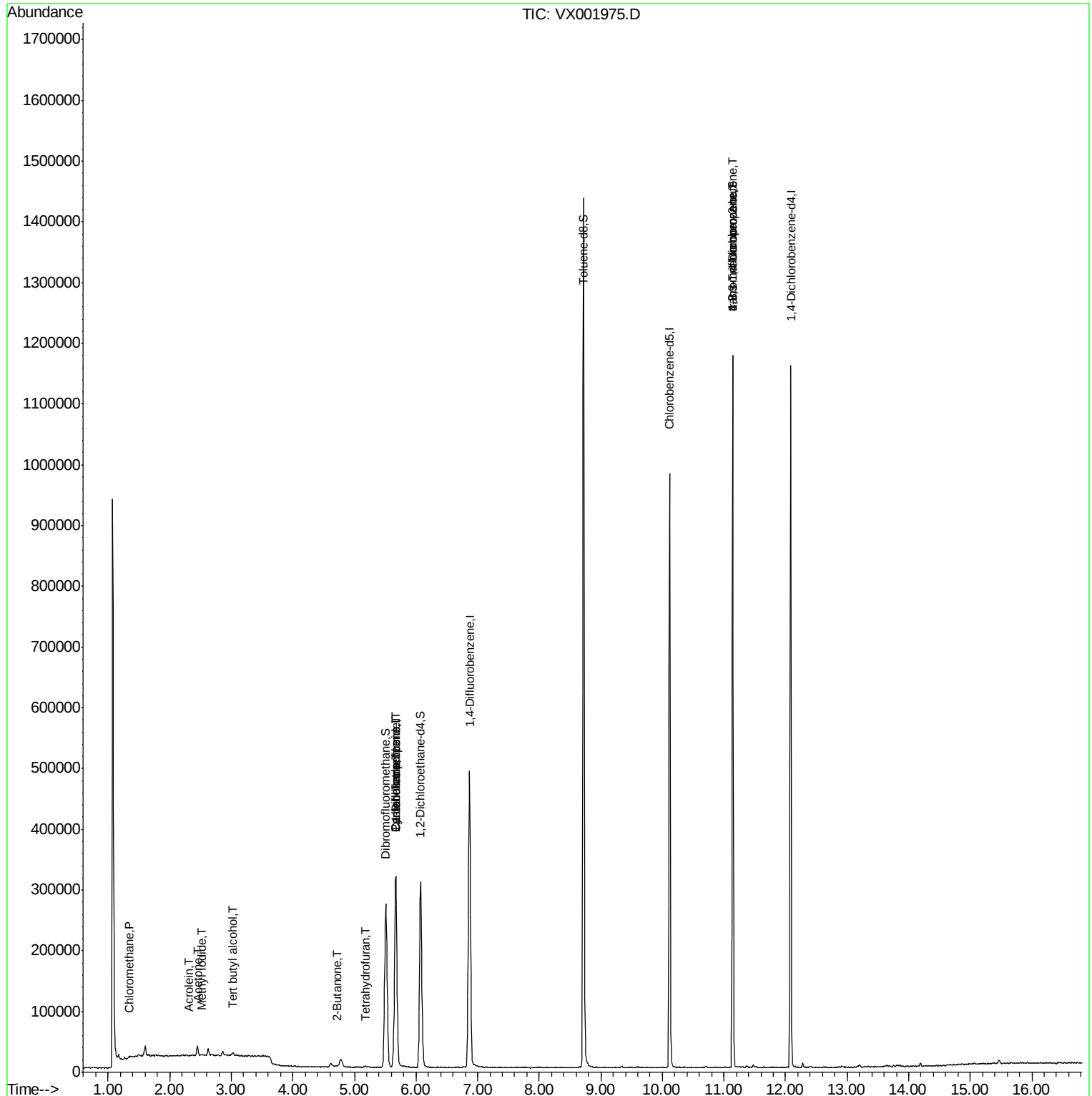
Quant Time: May 26 00:38:06 2018

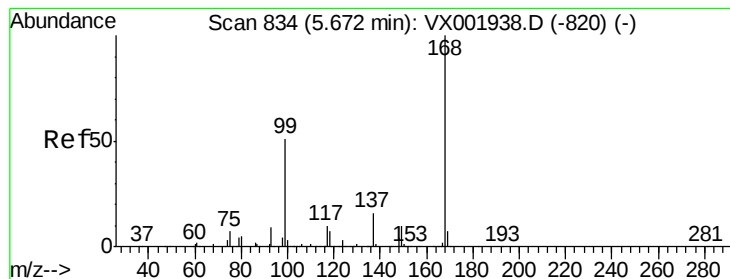
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

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: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

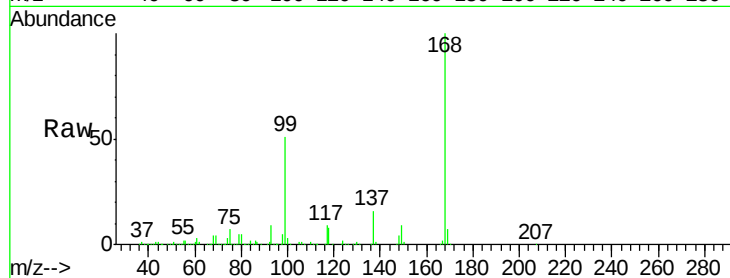
FB-20180517

Tgt Ion:168 Resp: 316909

Ion Ratio Lower Upper

168 100

99 50.9 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

120000

100000

80000

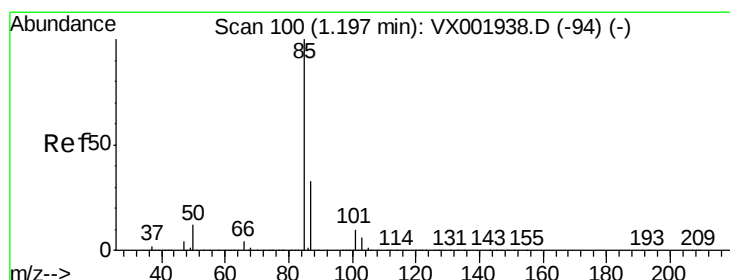
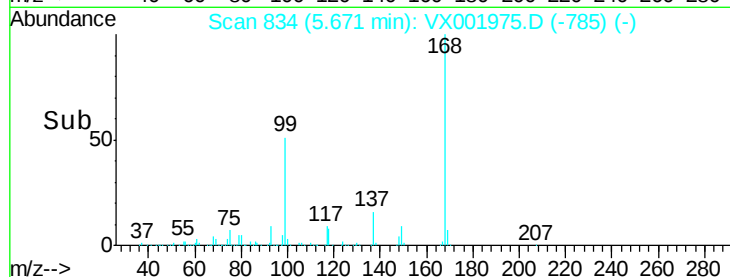
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001975.D

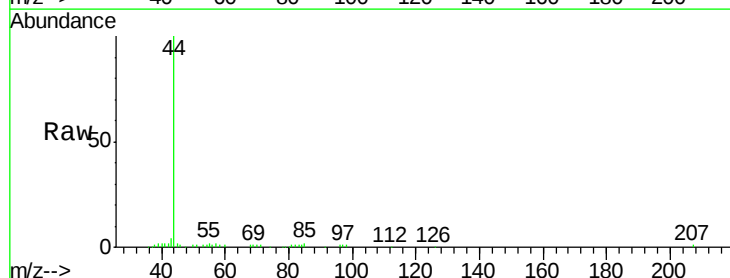
Acq: 25 May 2018 14:23

Tgt Ion: 85 Resp: 263

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

1.20

400

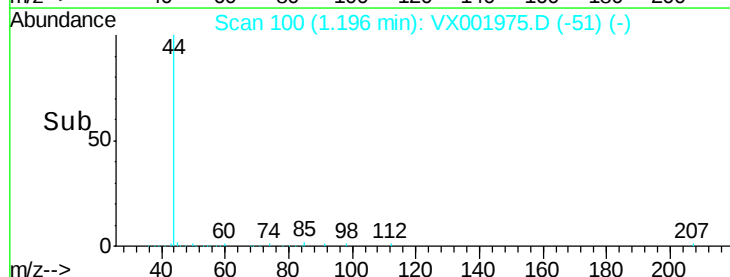
300

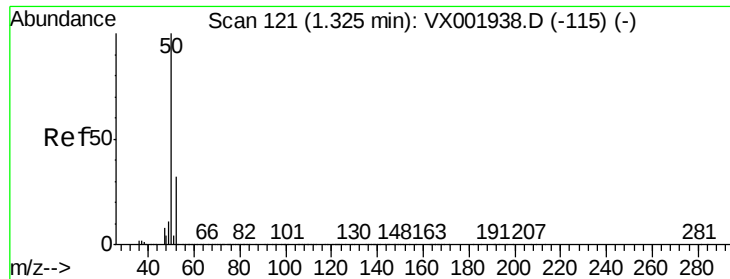
200

100

0

Time-->





#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

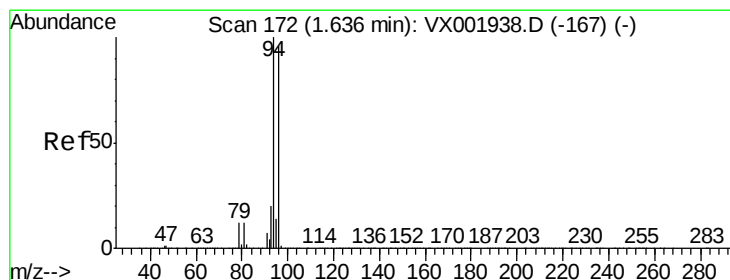
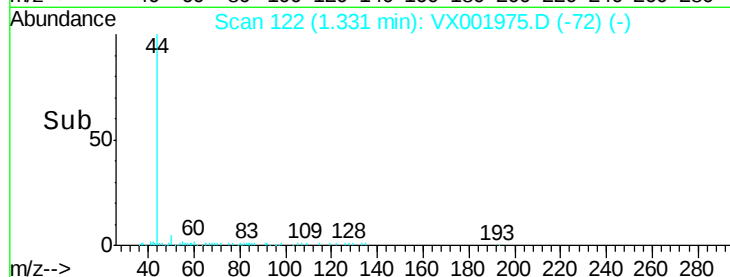
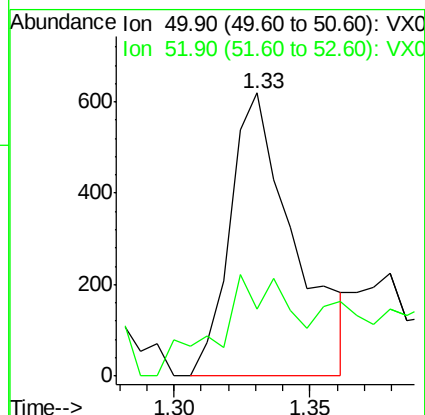
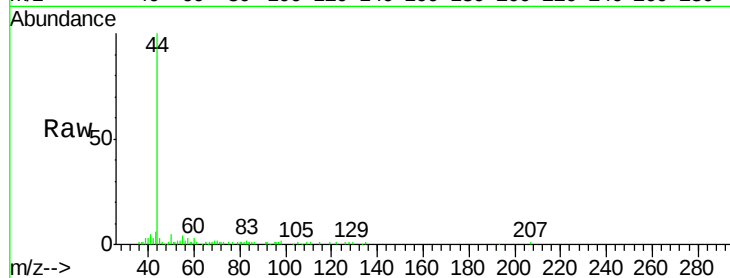
FB-20180517

Tgt Ion: 50 Resp: 1011

Ion Ratio Lower Upper

50 100

52 12.8 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001975.D

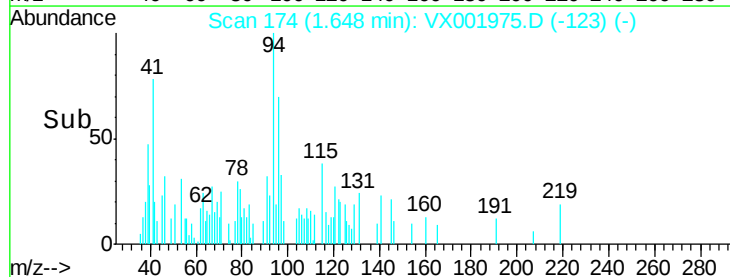
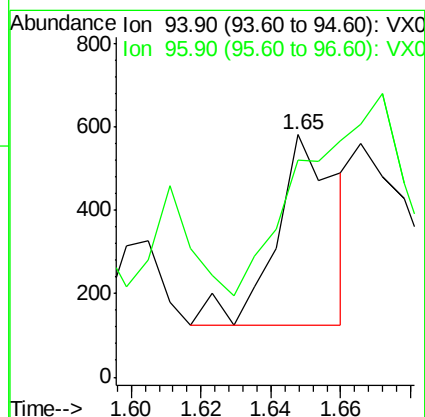
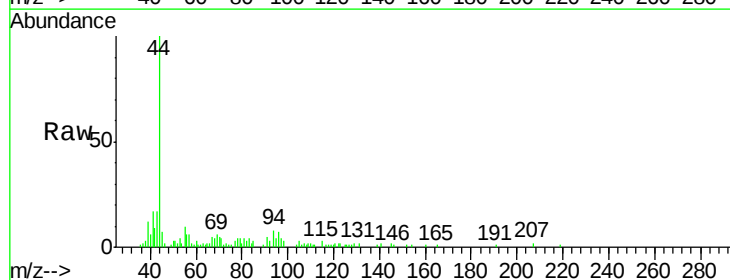
Acq: 25 May 2018 14:23

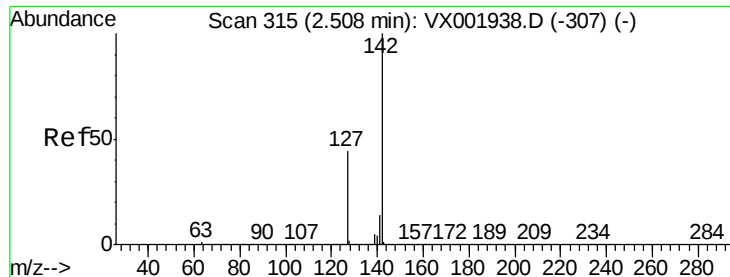
Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

94 100

96 46.2 75.9 113.9#

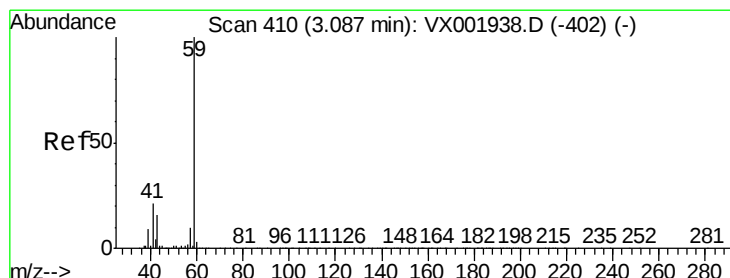
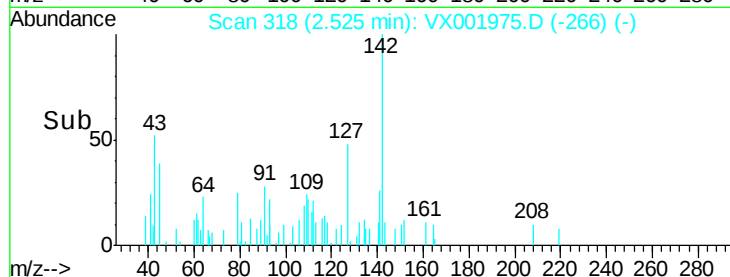
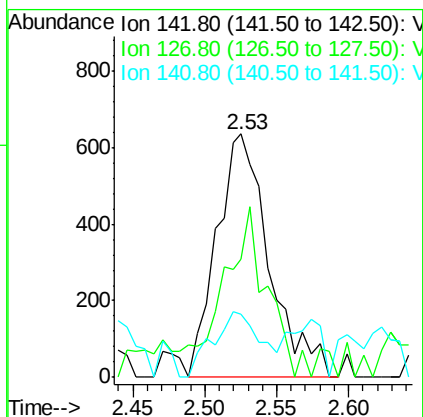
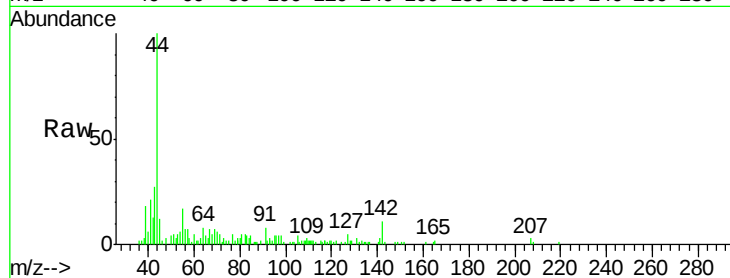




#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

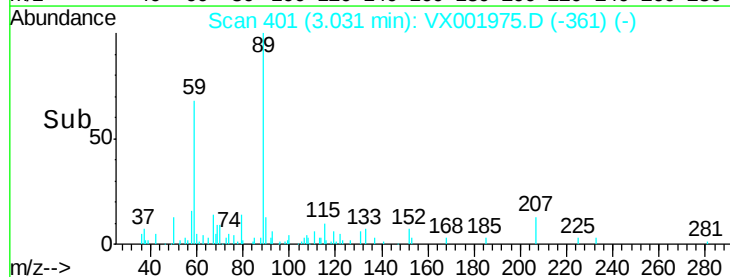
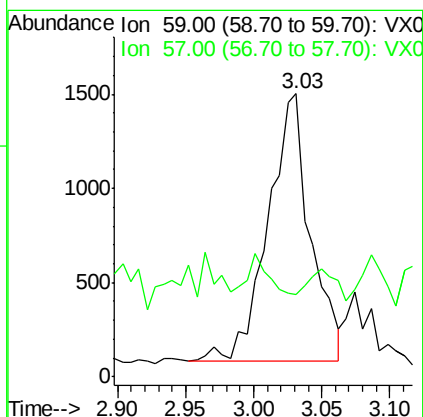
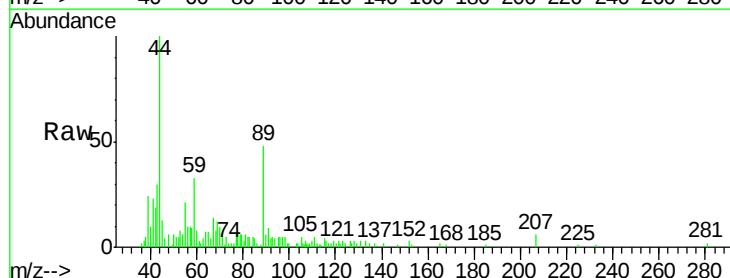
Instrument :
MSVOA_X
ClientSampleId :
FB-20180517

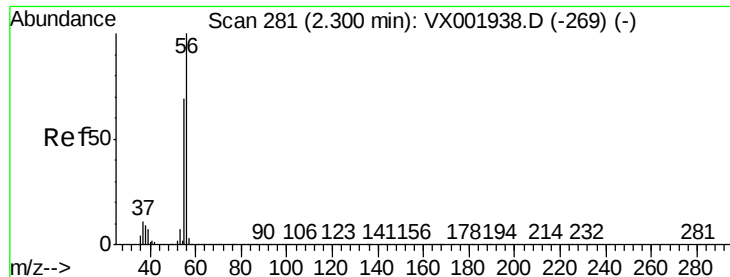
Tgt Ion	Ratio	Lower	Upper
142	100		
127	57.0	35.5	53.3#
141	24.8	11.3	16.9#



#11
Tert butyl alcohol
Concen: 2.76 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.06 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.4	8.9	13.3#





#13

Acrolein

Concen: 0.78 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

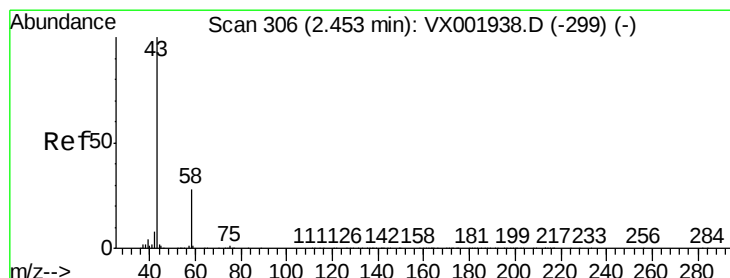
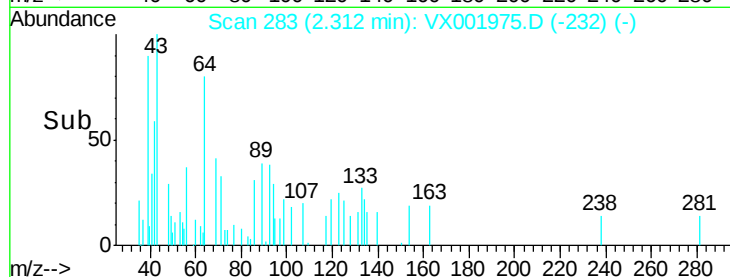
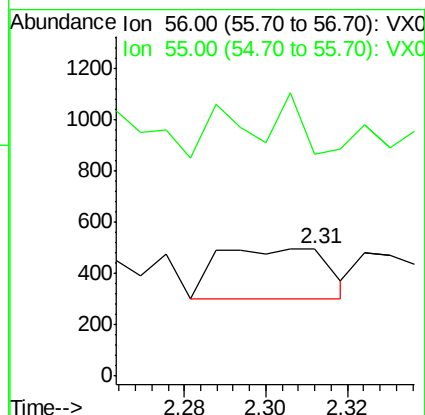
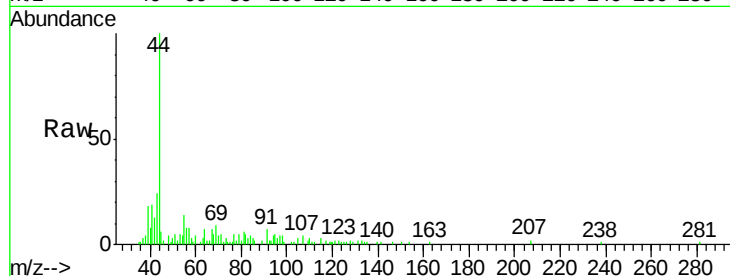
FB-20180517

Tgt Ion: 56 Resp: 373

Ion Ratio Lower Upper

56 100

55 0.0 56.8 85.2#



#16

Acetone

Concen: 8.15 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001975.D

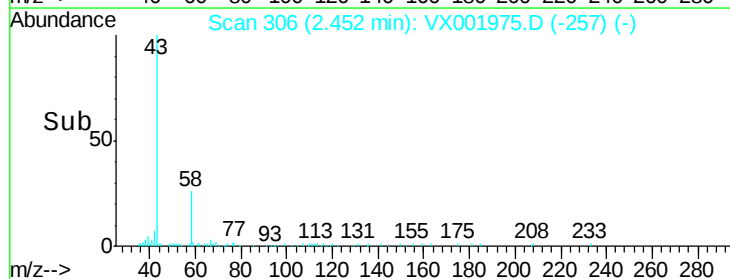
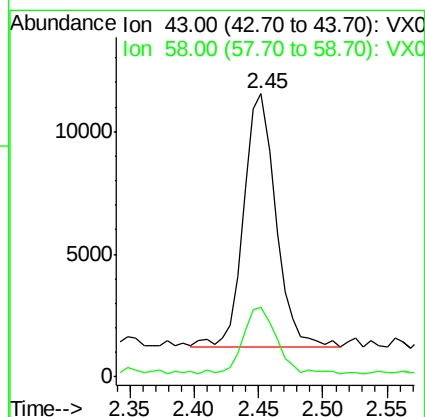
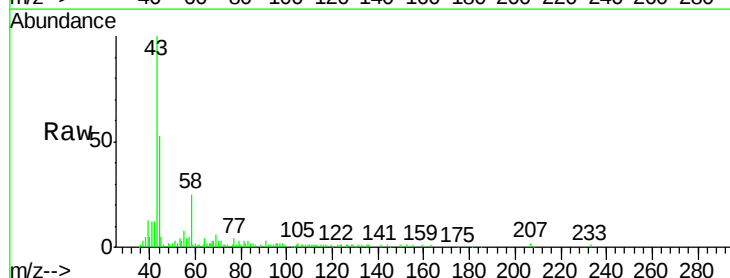
Acq: 25 May 2018 14:23

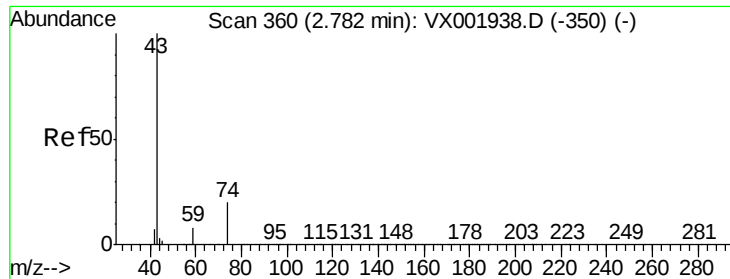
Tgt Ion: 43 Resp: 17807

Ion Ratio Lower Upper

43 100

58 26.1 22.3 33.5

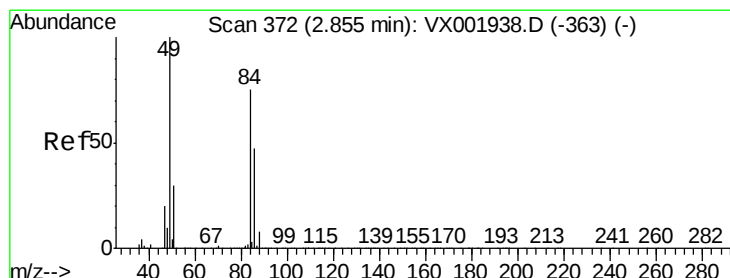
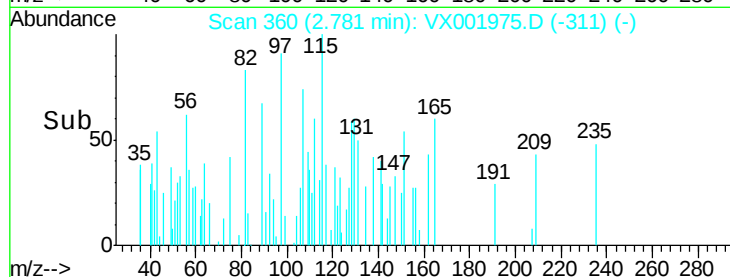
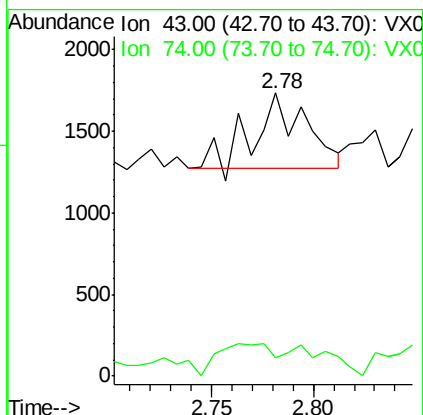
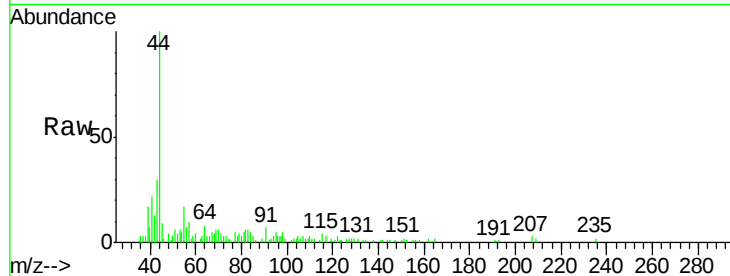




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

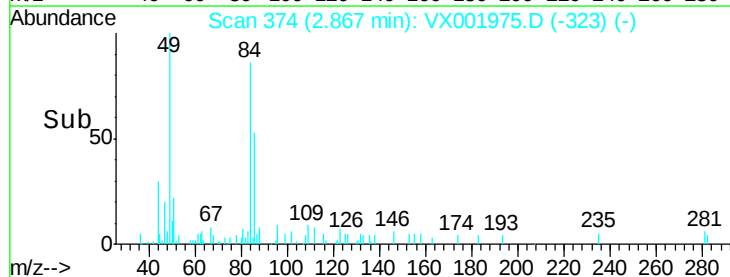
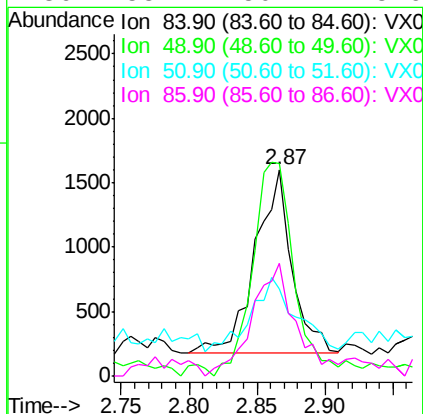
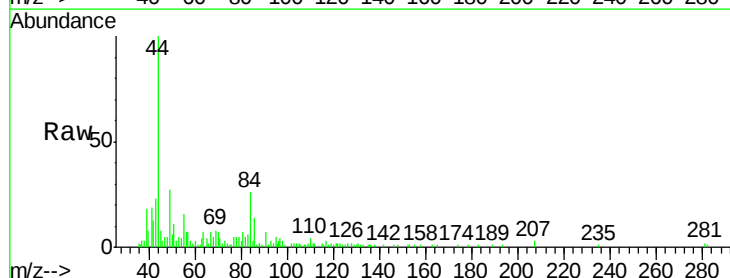
Instrument :
MSVOA_X
ClientSampleId :
FB-20180517

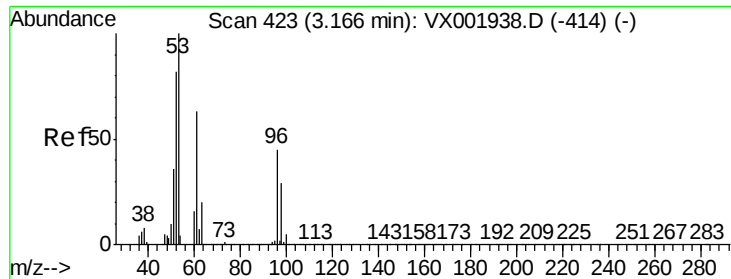
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
74 44.2 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Tgt Ion: 84 Resp: 2660
Ion Ratio Lower Upper
84 100
49 111.8 107.2 160.8
51 32.8 32.4 48.6
86 55.4 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: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

FB-20180517

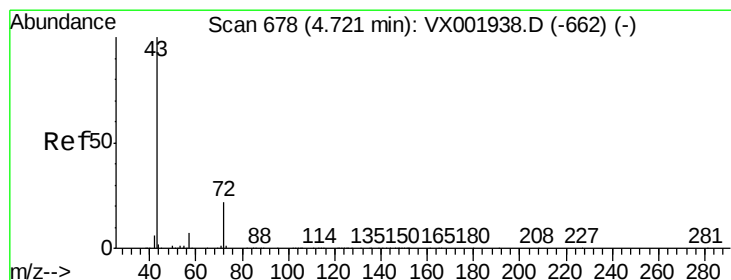
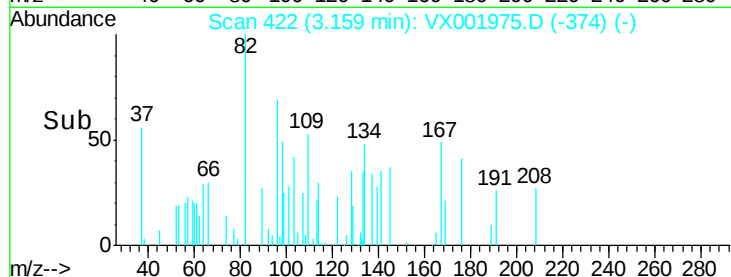
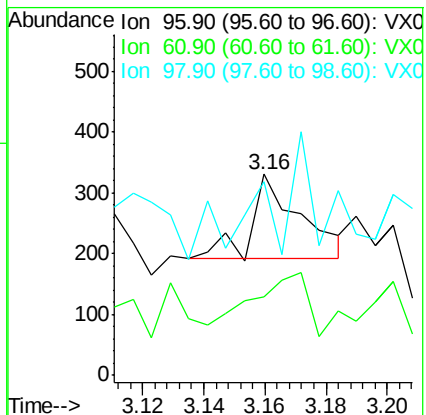
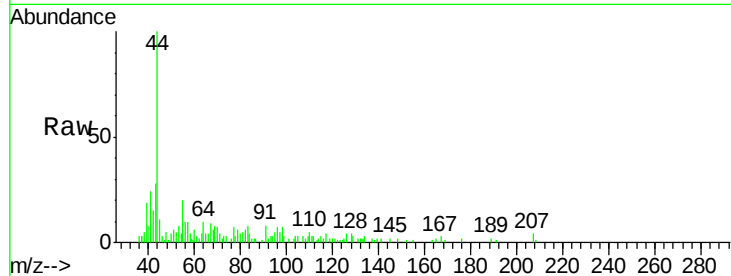
Tgt Ion: 96 Resp: 154

Ion Ratio Lower Upper

96 100

61 26.1 113.3 169.9#

98 92.8 51.7 77.5#



#25

2-Butanone

Concen: 1.00 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001975.D

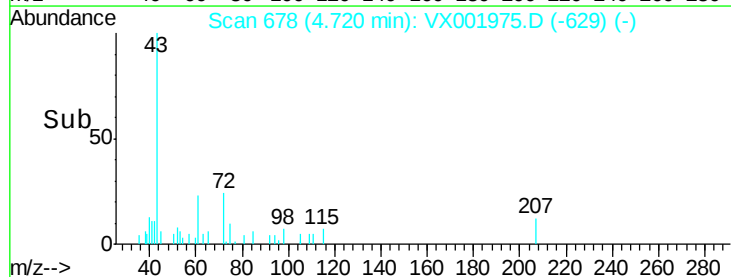
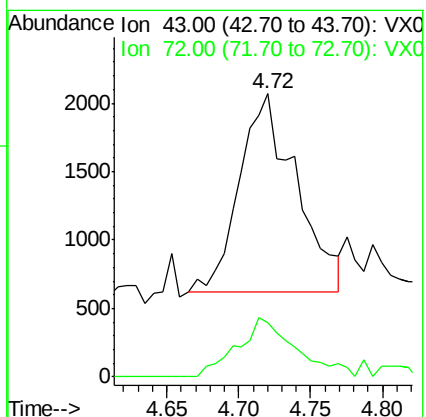
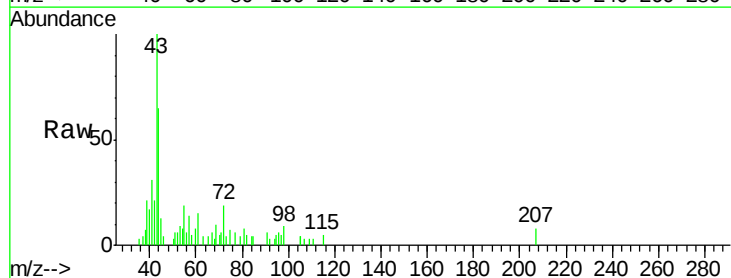
Acq: 25 May 2018 14:23

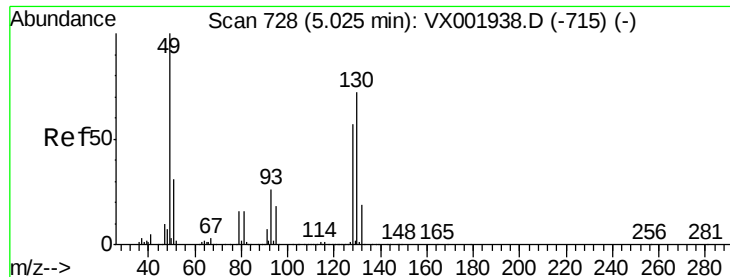
Tgt Ion: 43 Resp: 3990

Ion Ratio Lower Upper

43 100

72 27.2 17.9 26.9#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 730

Delta R.T. 0.01 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

FB-20180517

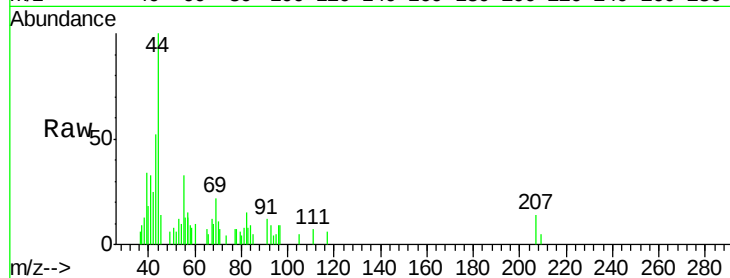
Tgt Ion: 49 Resp: 28

Ion Ratio Lower Upper

49 100

129 203.6 0.0 3.8#

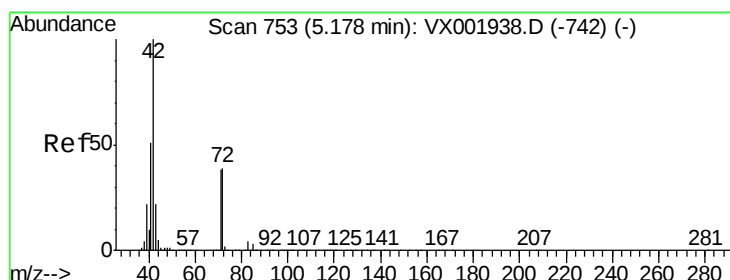
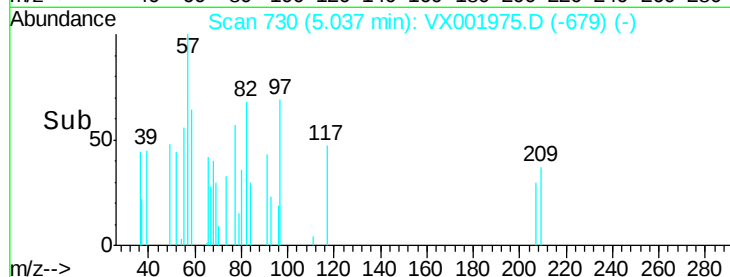
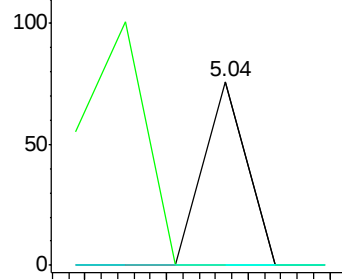
130 0.0 59.4 89.2#



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: 0.77 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

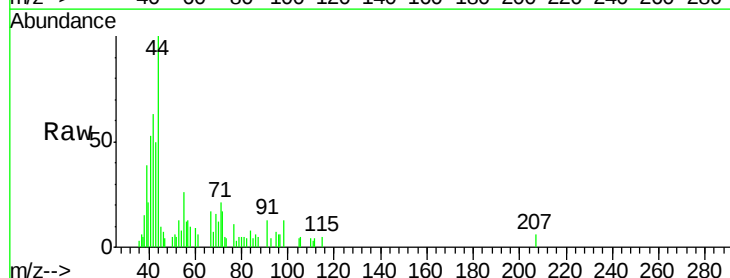
Tgt Ion: 42 Resp: 1998

Ion Ratio Lower Upper

42 100

72 40.0 31.4 47.0

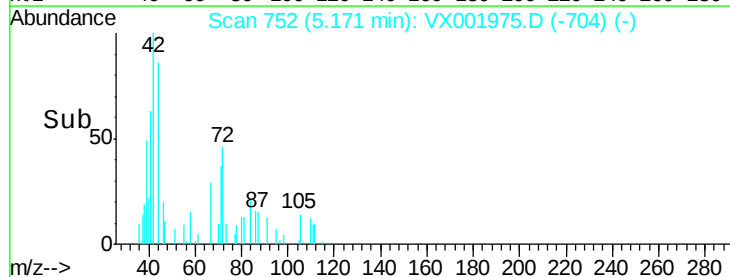
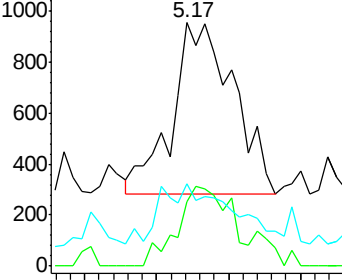
71 0.0 29.5 44.3#

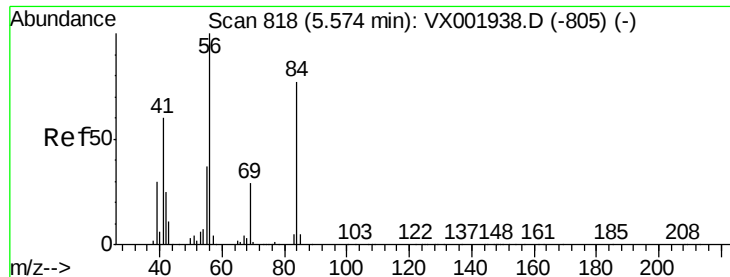


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

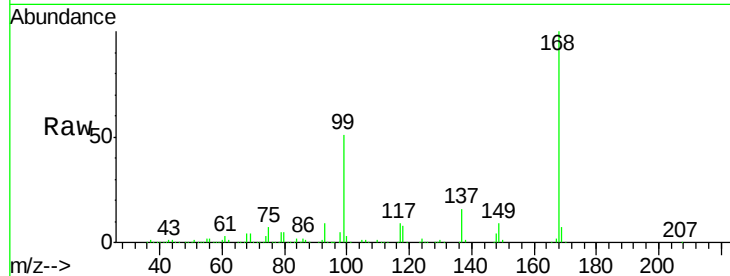




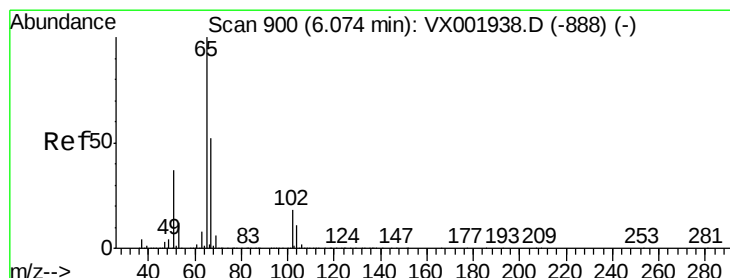
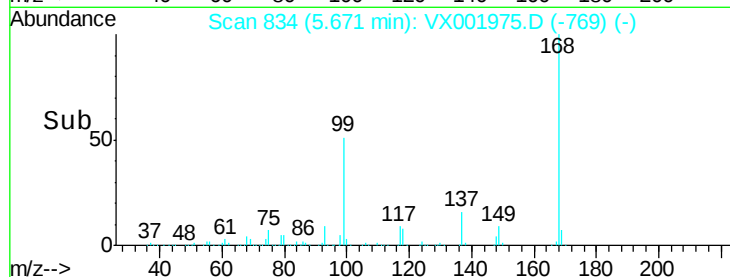
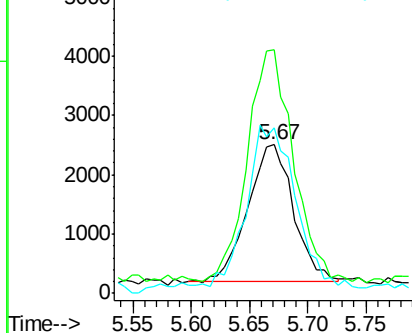
#31
Cyclohexane
Concen: 0.80 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
FB-20180517

Tgt Ion: 56 Resp: 6280
Ion Ratio Lower Upper
56 100
69 167.7 23.1 34.7#
84 115.5 62.0 93.0#

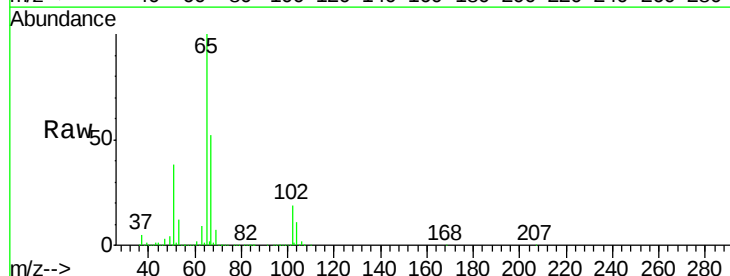


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

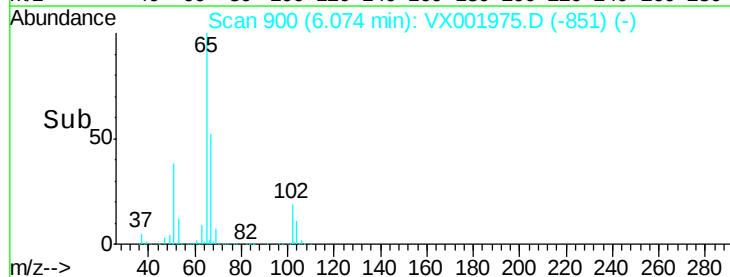
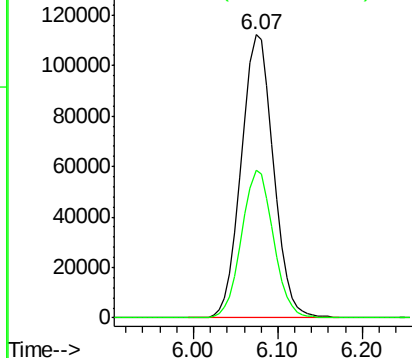


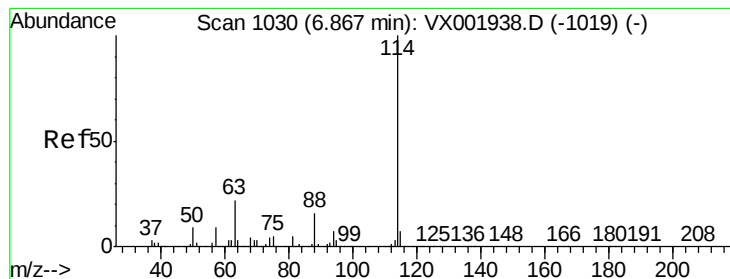
#33
1,2-Dichloroethane-d4
Concen: 51.25 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Tgt Ion: 65 Resp: 290317
Ion Ratio Lower Upper
65 100
67 51.6 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: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

FB-20180517

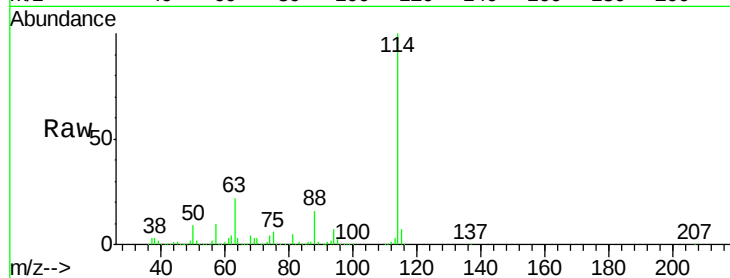
Tgt Ion:114 Resp: 479695

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

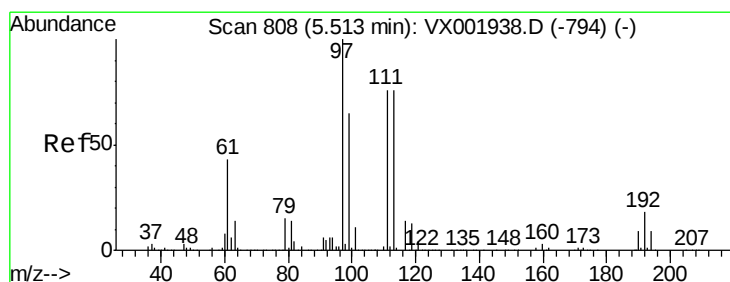
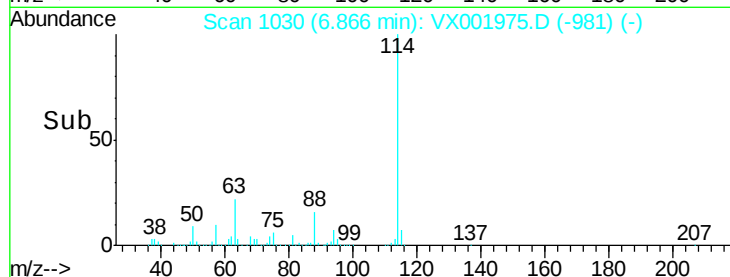
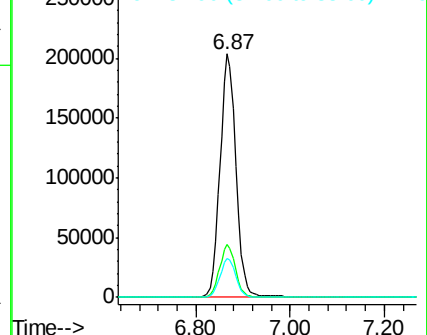
88 16.2 0.0 31.6



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: 46.74 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

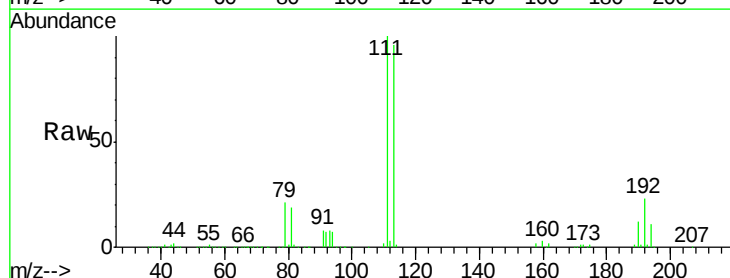
Tgt Ion:113 Resp: 224217

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

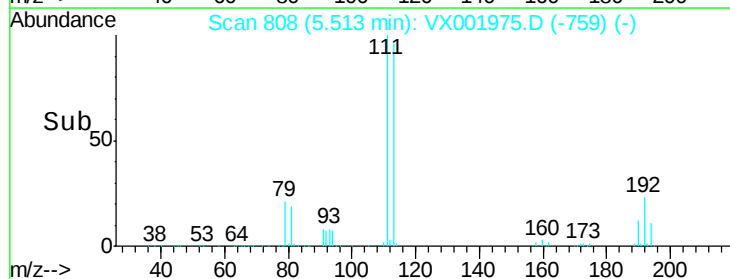
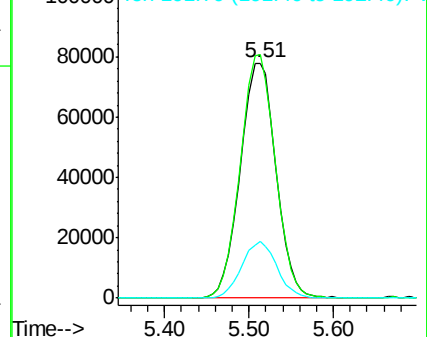
192 23.7 18.9 28.3

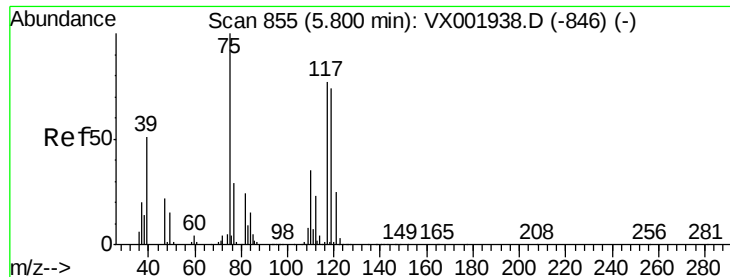


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.25 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

FB-20180517

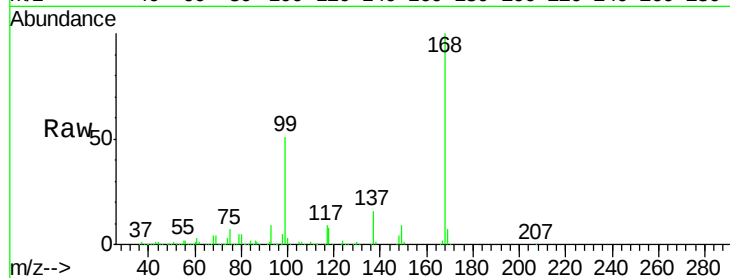
Tgt Ion: 75 Resp: 21656

Ion Ratio Lower Upper

75 100

110 12.7 17.4 52.2#

77 0.4 24.4 36.6#

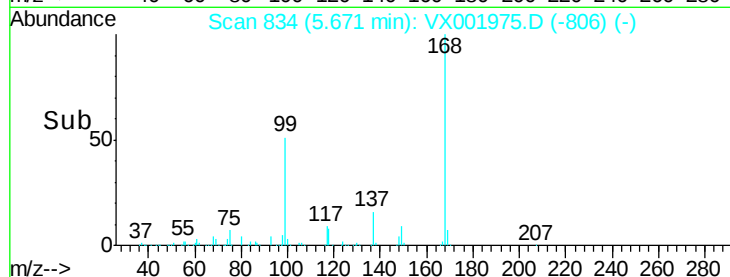


Abundance Ion 74.90 (74.60 to 75.60): VX001938.D (-846) (-)

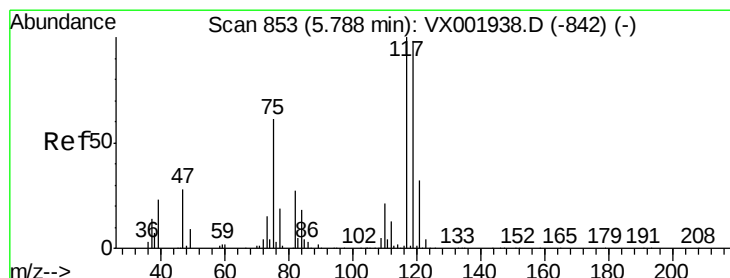
Ion 109.90 (109.60 to 110.60): VX001938.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX001938.D (-846) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 3.81 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

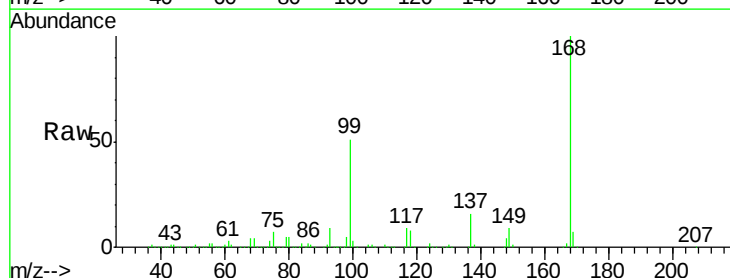
Tgt Ion: 117 Resp: 29639

Ion Ratio Lower Upper

117 100

119 3.0 78.5 117.7#

121 0.0 25.5 38.3#

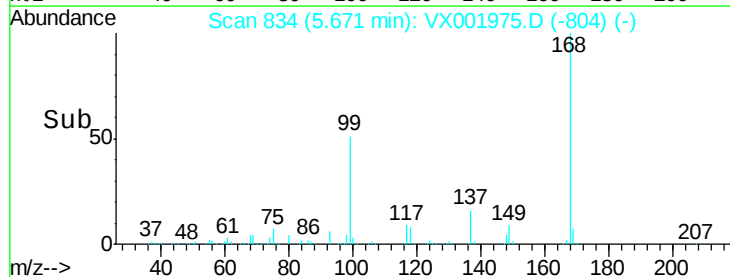


Abundance Ion 116.80 (116.50 to 117.50): VX001938.D (-842) (-)

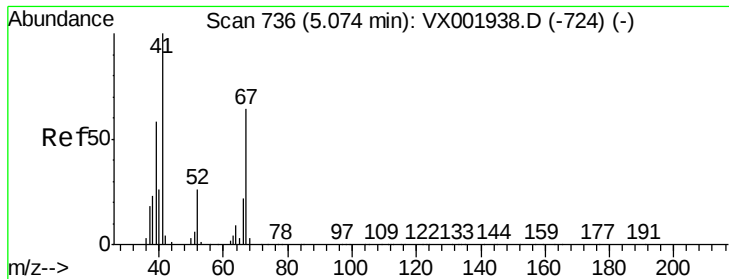
Ion 118.80 (118.50 to 119.50): VX001938.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001938.D (-842) (-)

Time-->



Time-->



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

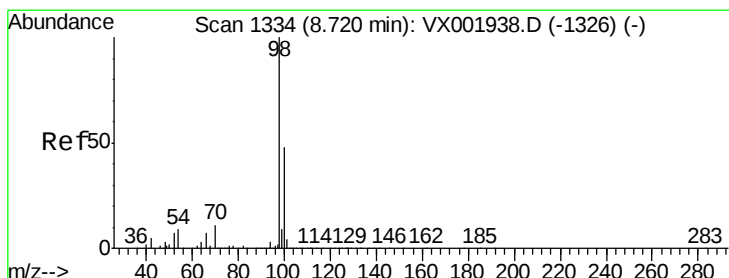
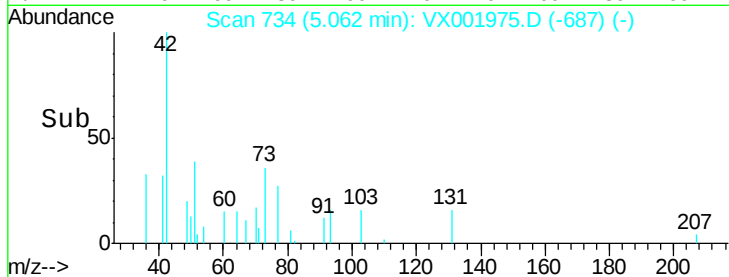
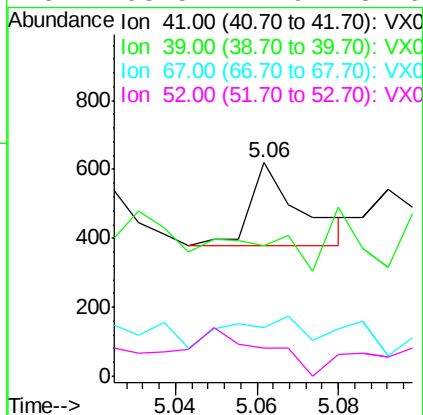
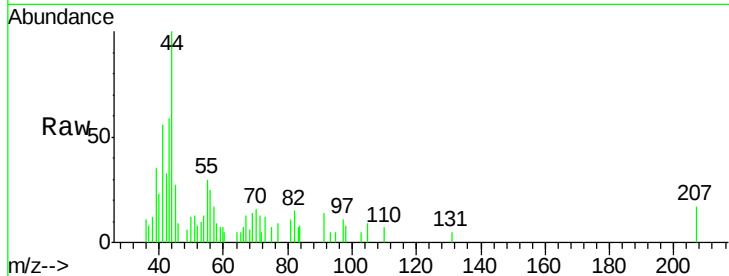
Instrument :

MSVOA_X

ClientSampled :

FB-20180517

Tgt Ion:	41	Resp:	202
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.0	69.0#
67	107.9	50.6	75.8#
52	98.5	21.9	32.9#



#50

Toluene-d8

Concen: 47.38 ug/l

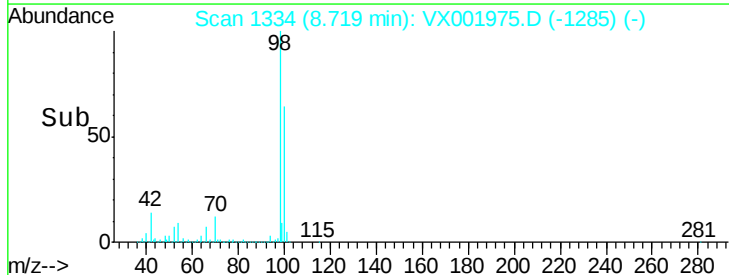
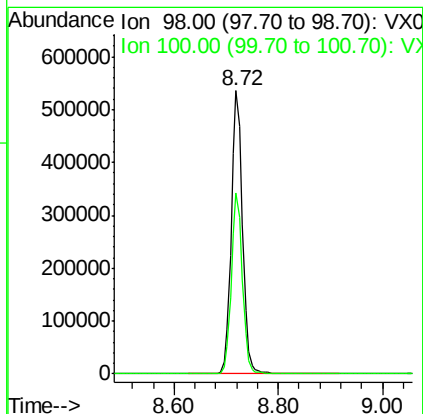
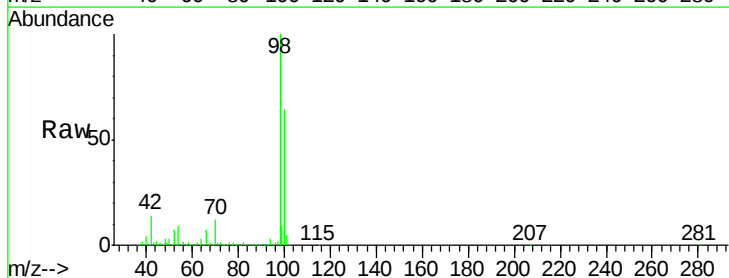
RT: 8.72 min Scan# 1334

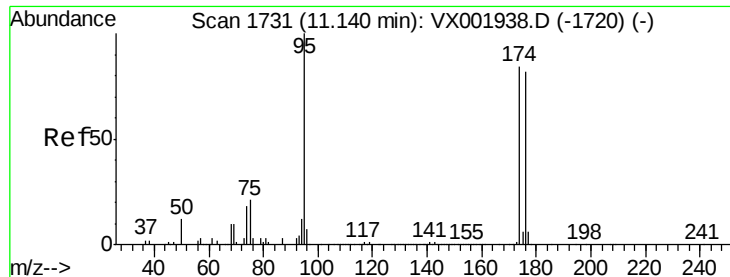
Delta R.T. 0.00 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

Tgt Ion:	98	Resp:	822906
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3





#62

4-Bromofluorobenzene

Concen: 43.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

FB-20180517

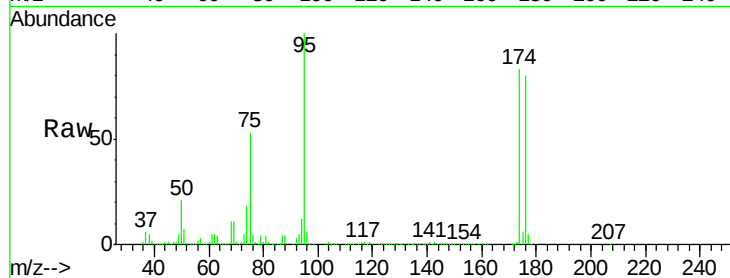
Tgt Ion: 95 Resp: 298319

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.8

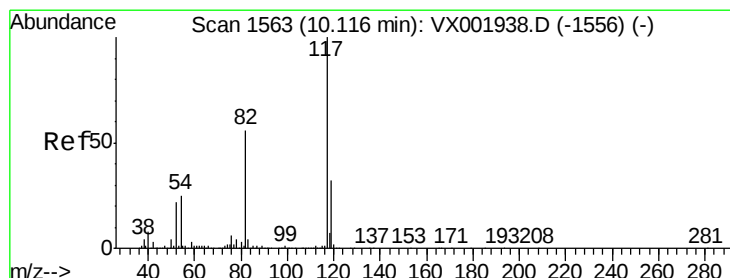
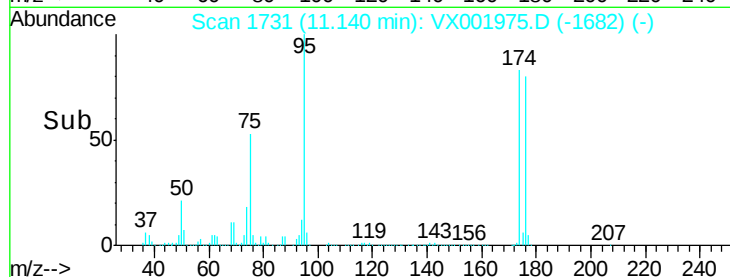
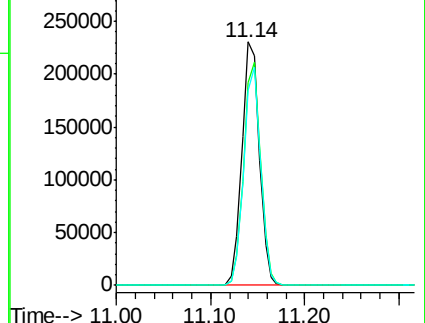
176 87.6 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)

Ion 173.80 (173.50 to 174.50): VX001938.D (-1720) (-)

Ion 175.80 (175.50 to 176.50): VX001938.D (-1720) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

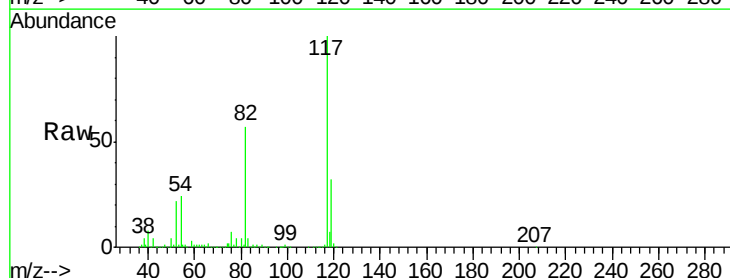
Tgt Ion: 117 Resp: 435246

Ion Ratio Lower Upper

117 100

82 56.9 44.8 67.2

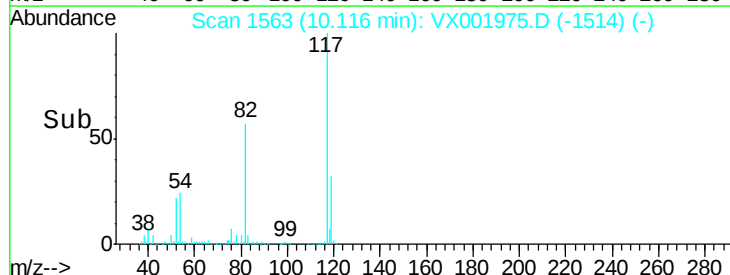
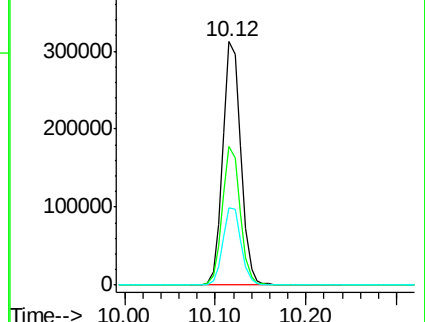
119 31.8 25.5 38.3

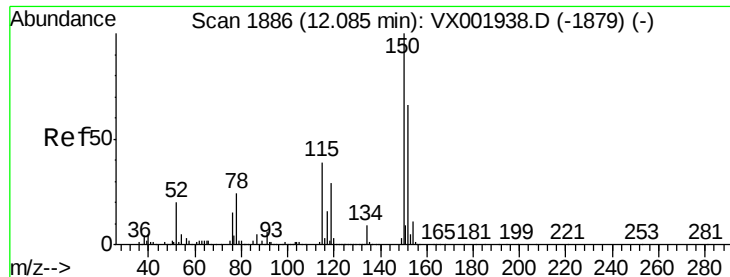


Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001938.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001938.D (-1556) (-)



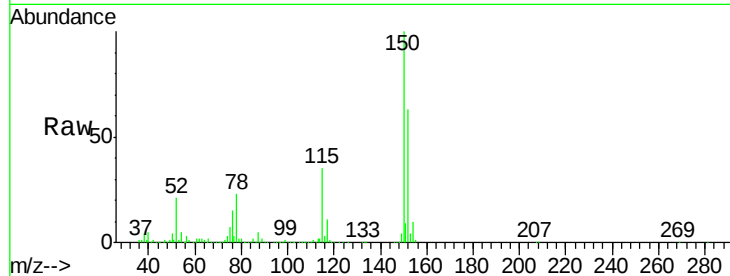


#72

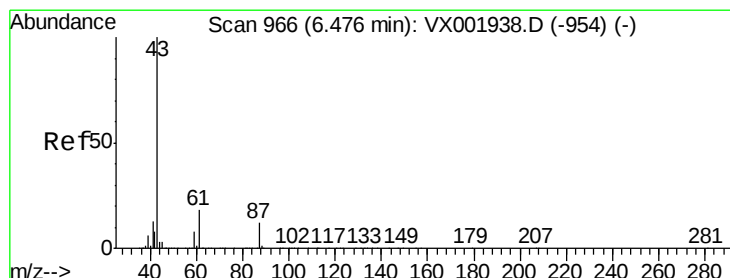
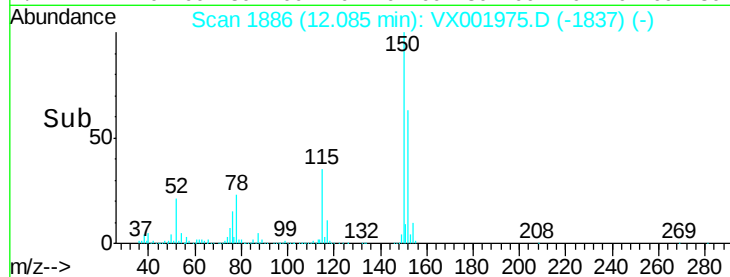
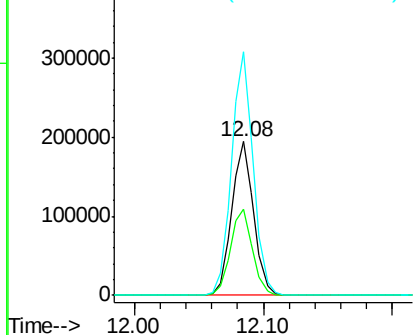
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Instrument :
MSVOA_X
ClientSampled :
FB-20180517

Tgt Ion: 152 Resp: 230088
Ion Ratio Lower Upper
152 100
115 56.7 42.3 126.8
150 157.2 0.0 351.0



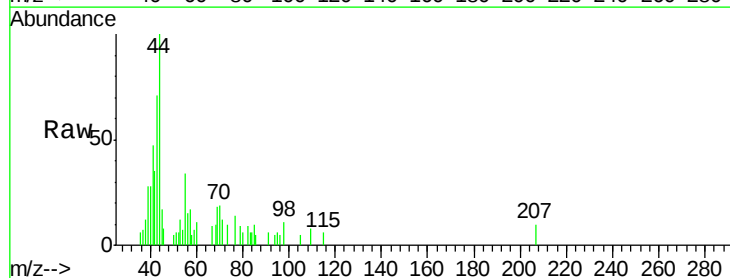
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



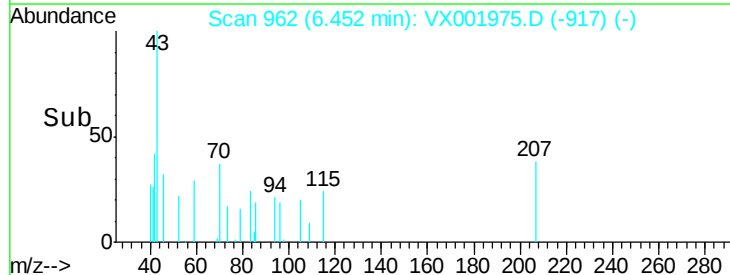
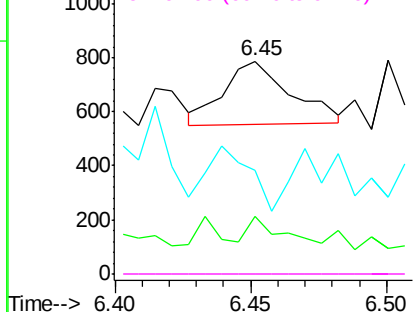
#74

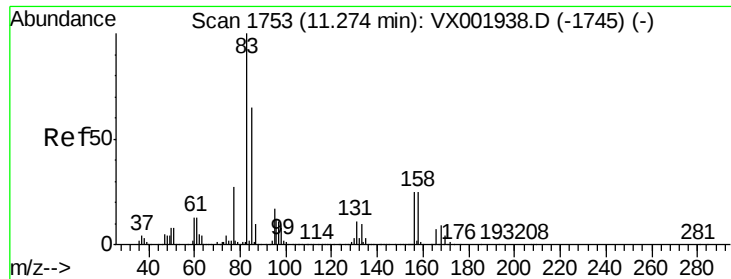
N-amil acetate
Concen: Below Cal
RT: 6.45 min Scan# 962
Delta R.T. -0.02 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Tgt Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
70 17.9 0.1 0.1#
55 79.9 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: 11.26 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VX001975.D

Acq: 25 May 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

FB-20180517

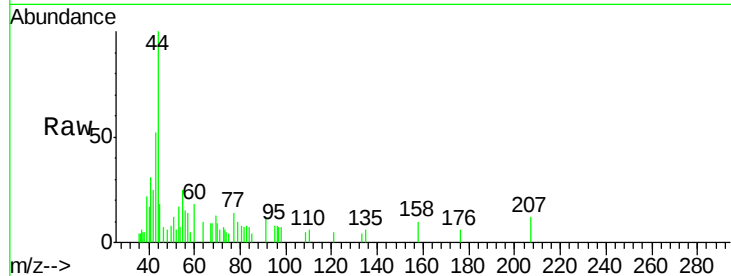
Tgt Ion: 83 Resp: 112

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

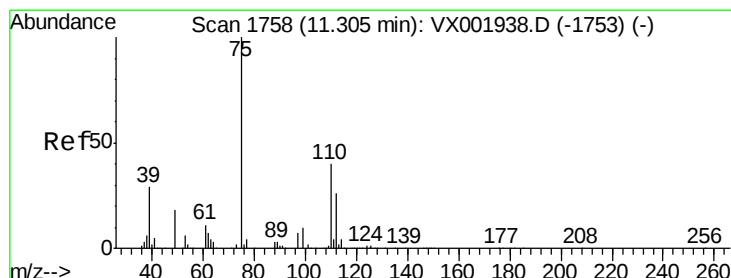
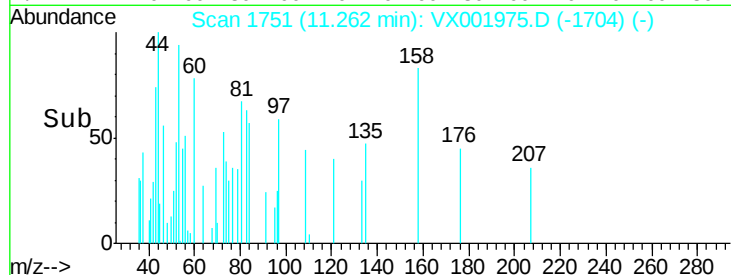
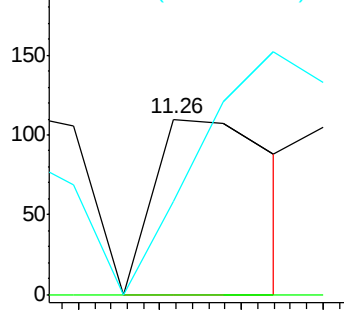
85 176.8 32.6 97.7#



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: 28.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.17 min

Lab File: VX001975.D

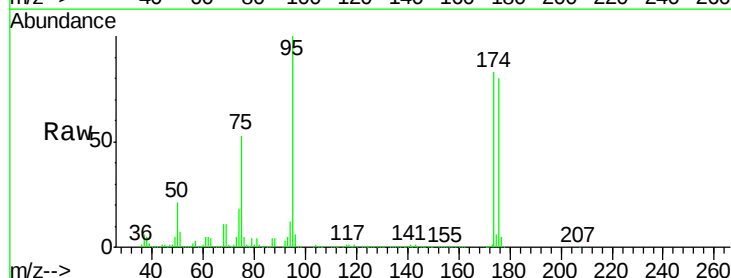
Acq: 25 May 2018 14:23

Tgt Ion: 75 Resp: 156583

Ion Ratio Lower Upper

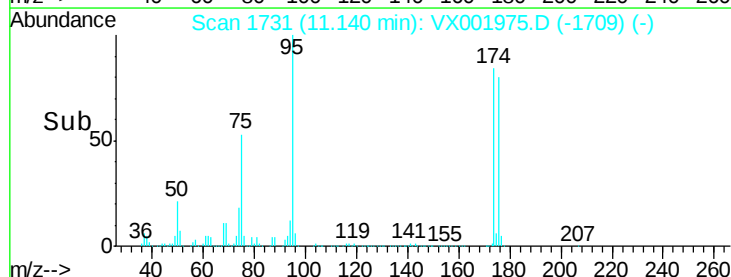
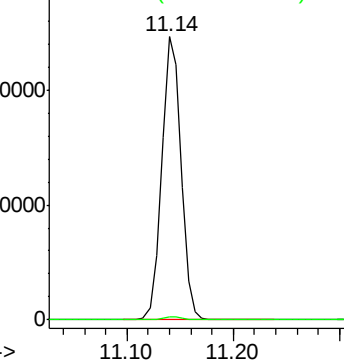
75 100

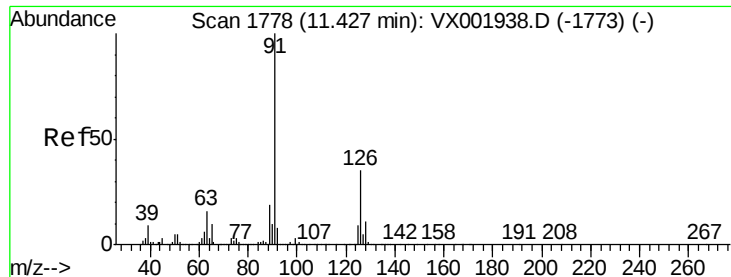
77 1.0 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

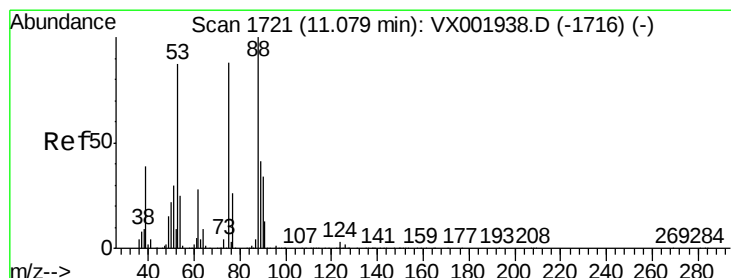
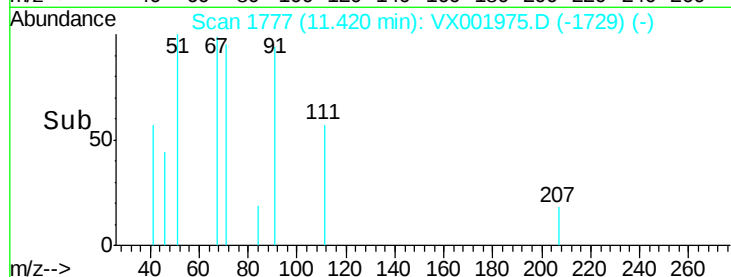
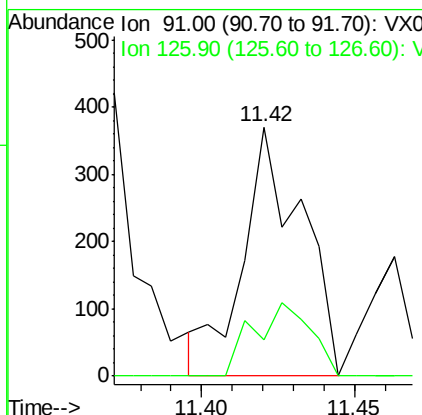
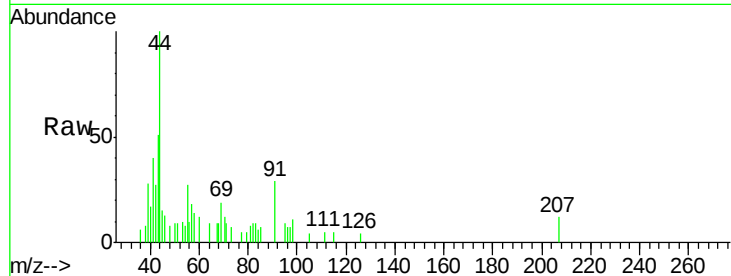




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.42 min Scan# 1777
Delta R.T. -0.01 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
FB-20180517

Tgt Ion: 91 Resp: 495
Ion Ratio Lower Upper
91 100
126 28.5 17.4 52.2



#81
trans-1,4-Dichloro-2-butene
Concen: 68.10 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001975.D
Acq: 25 May 2018 14:23

Tgt Ion: 75 Resp: 156583
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 39.4 59.2#

