

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002162.D
 Acq On : 31 May 2018 03:30
 Operator : JC/MD
 Sample : J3185-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FLATBUSH-FIELD-BLANK-1-5-25-18

Quant Time: May 31 06:38:31 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	292222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	421675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	185204	35.46	ug/l	0.00
Spiked Amount			Recovery	=	70.92%	
35) Dibromofluoromethane	5.51	113	137370	32.58	ug/l	0.00
Spiked Amount			Recovery	=	65.16%	
50) Toluene-d8	8.72	98	552649	36.20	ug/l	0.00
Spiked Amount			Recovery	=	72.40%	
62) 4-Bromofluorobenzene	11.14	95	194642	32.59	ug/l	0.00
Spiked Amount			Recovery	=	65.18%	

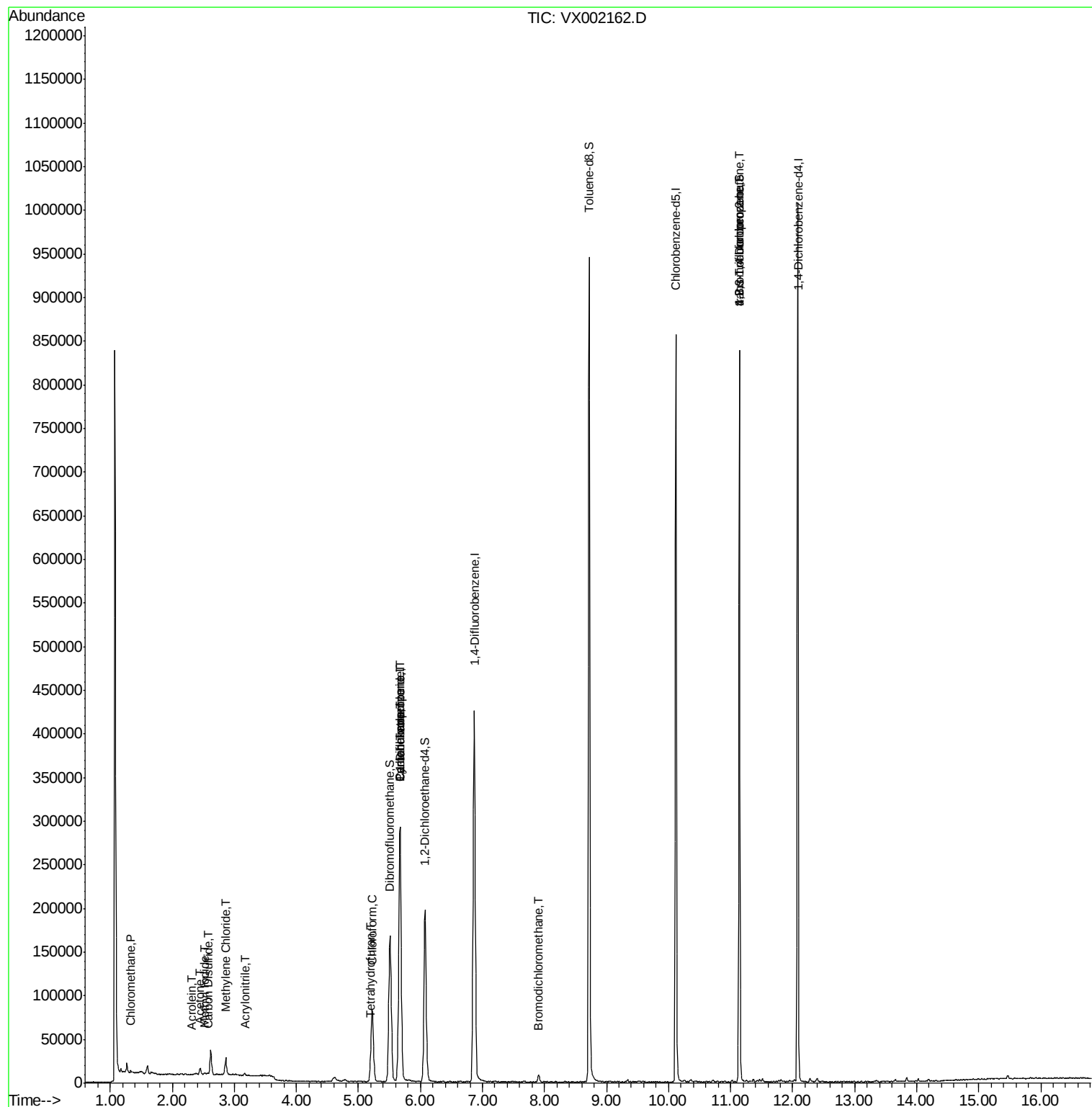
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	157	Below Cal		75
3) Chloromethane	1.33	50	978	0.22 ug/l	#	78
5) Bromomethane	1.65	94	1412	Below Cal		98
10) Methyl Iodide	2.52	142	2961	0.60 ug/l		94
13) Acrolein	2.31	56	258	0.58 ug/l	#	83
15) Acrylonitrile	3.16	53	693	0.33 ug/l	#	34
16) Acetone	2.45	43	8571	4.25 ug/l		100
17) Carbon Disulfide	2.57	76	2004	0.20 ug/l	#	89
18) Methyl Acetate	2.78	43	741	Below Cal	#	86
20) Methylene Chloride	2.86	84	8929	0.92 ug/l		98
21) trans-1,2-Dichloroethene	3.17	96	598	Below Cal	#	71
28) Bromochloromethane	5.02	49	259	Below Cal	#	39
29) Tetrahydrofuran	5.18	42	561	0.23 ug/l	#	62
30) Chloroform	5.22	83	94298	12.12 ug/l		100
31) Cyclohexane	5.67	56	6447	0.90 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	20300	3.46 ug/l	#	51
38) Carbon Tetrachloride	5.67	117	26888	3.93 ug/l	#	14
41) Methacrylonitrile	5.07	41	510	Below Cal	#	41
47) Bromodichloromethane	7.90	83	4389	0.67 ug/l		94
74) N-amyl acetate	6.46	43	46	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.14	83	296	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.14	75	105522	21.17 ug/l	#	32
79) 2-Chlorotoluene	11.43	91	761	Below Cal		98
81) trans-1,4-Dichloro-2-buten	11.14	75	105522	50.87 ug/l	#	10

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

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
Data File : VX002162.D
Acq On : 31 May 2018 03:30
Operator : JC/MD
Sample : J3185-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FLATBUSH-FIELD-BLANK-1-5-25-18

Quant Time: May 31 06:38:31 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: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

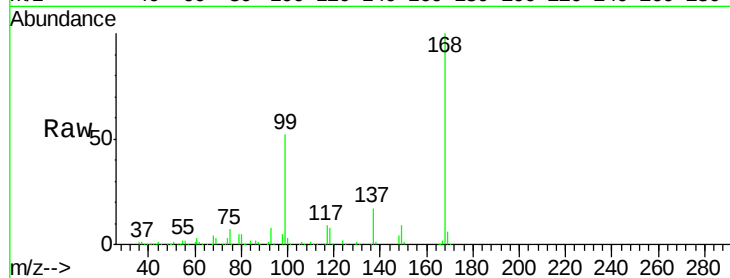
FLATBUSH-FIELD-BLANK-1-5-25-18

Tgt Ion:168 Resp: 292222

Ion Ratio Lower Upper

168 100

99 51.6 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

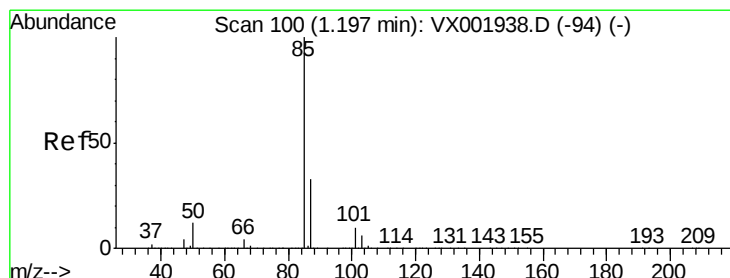
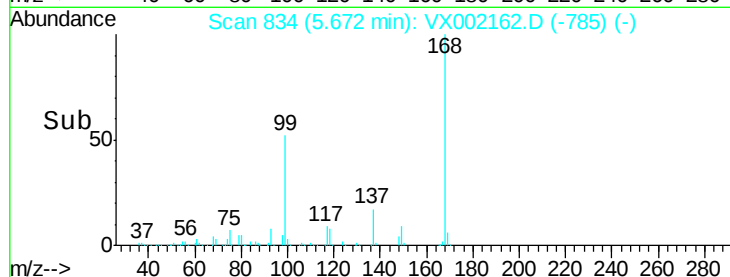
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002162.D

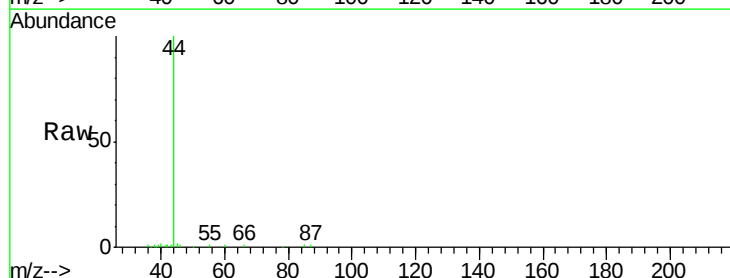
Acq: 31 May 2018 03:30

Tgt Ion: 85 Resp: 157

Ion Ratio Lower Upper

85 100

87 47.6 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

200

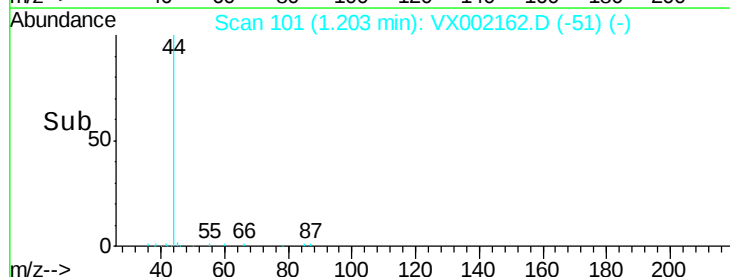
150

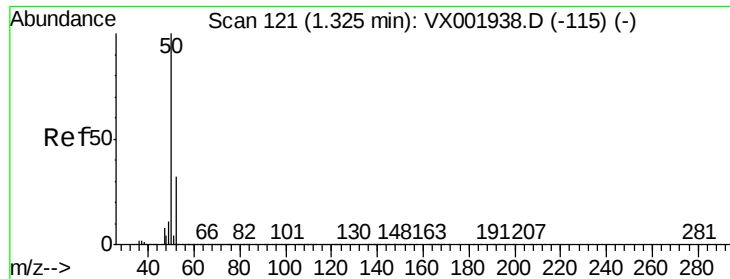
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

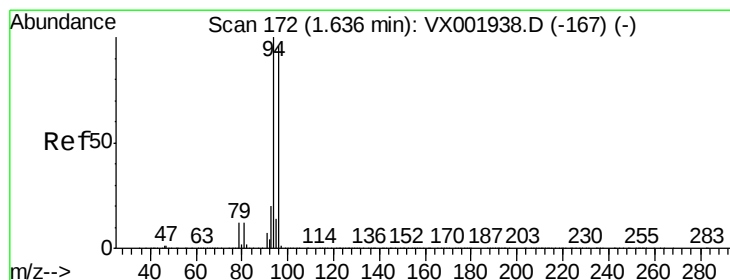
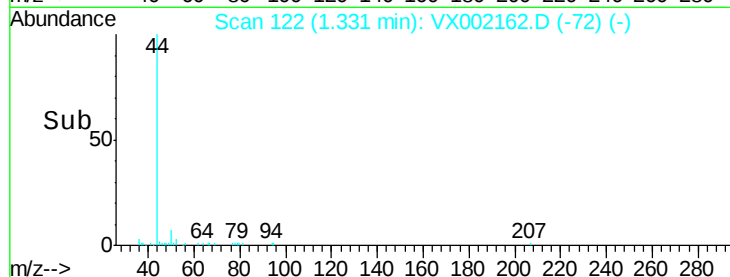
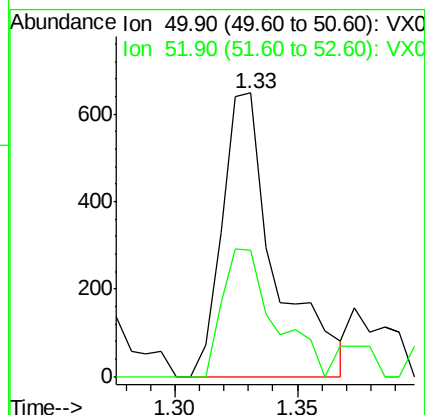
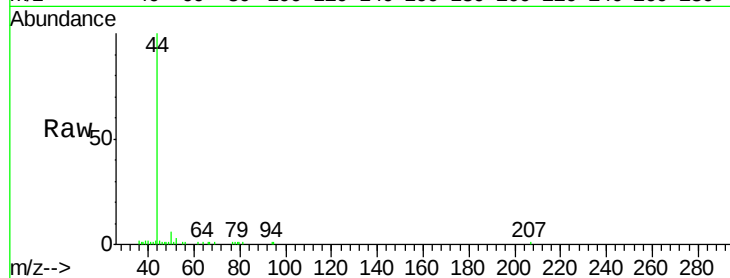
FLATBUSH-FIELD-BLANK-1-5-25-18

Tgt Ion: 50 Resp: 978

Ion Ratio Lower Upper

50 100

52 44.8 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002162.D

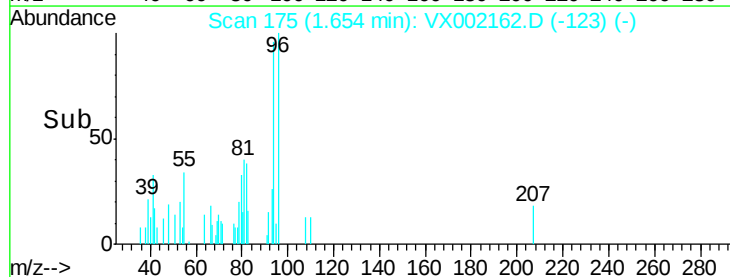
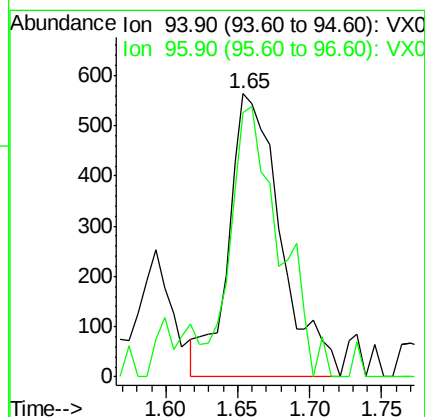
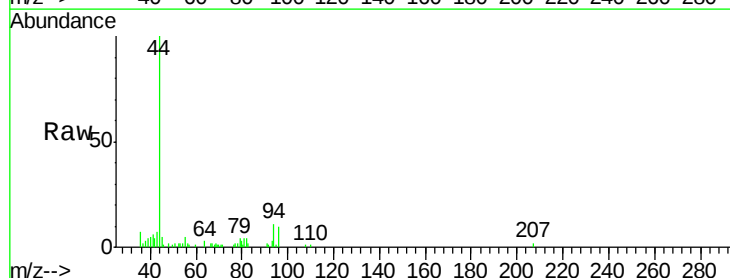
Acq: 31 May 2018 03:30

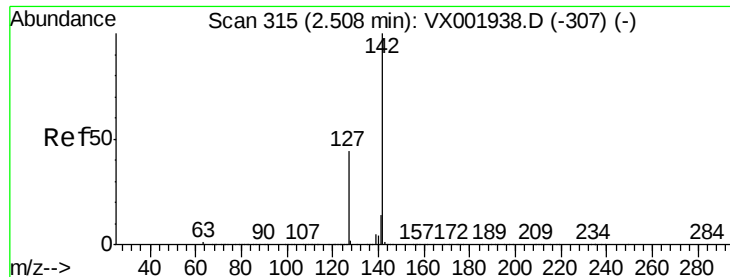
Tgt Ion: 94 Resp: 1412

Ion Ratio Lower Upper

94 100

96 93.3 75.9 113.9





#10

Methyl Iodide

Concen: 0.60 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

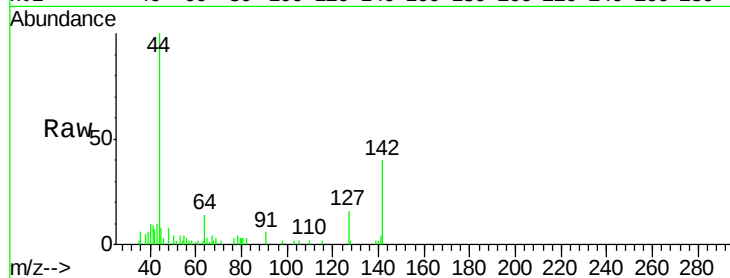
Tgt Ion: 142 Resp: 2961

Ion Ratio Lower Upper

142 100

127 49.3 35.5 53.3

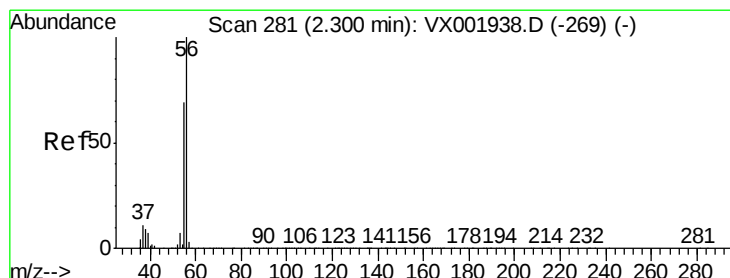
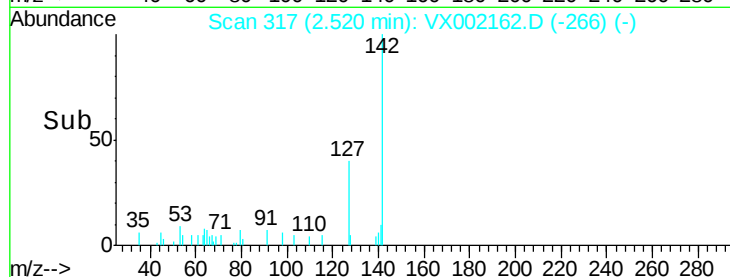
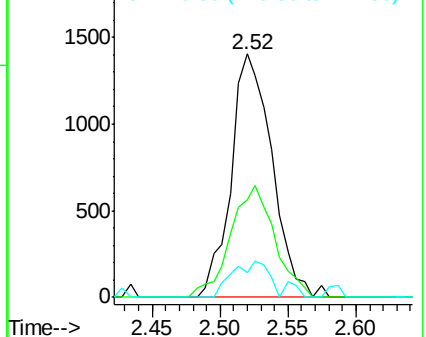
141 13.0 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.58 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX002162.D

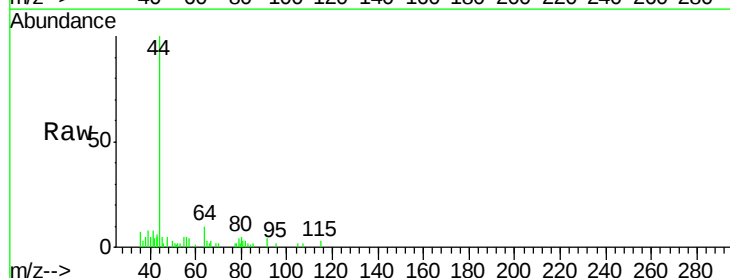
Acq: 31 May 2018 03:30

Tgt Ion: 56 Resp: 258

Ion Ratio Lower Upper

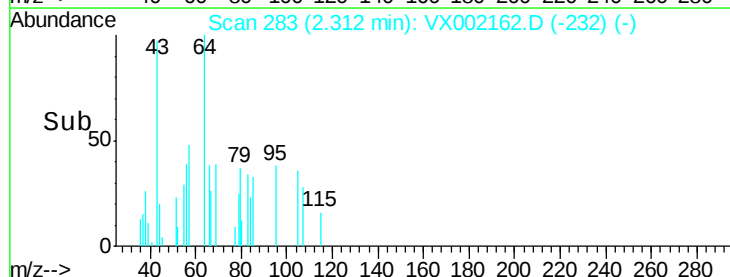
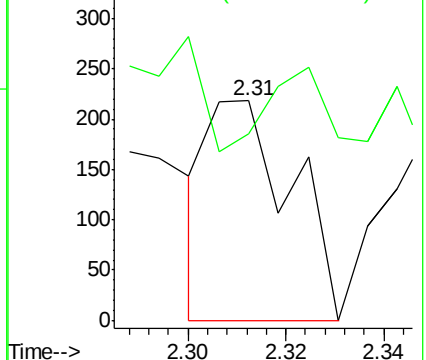
56 100

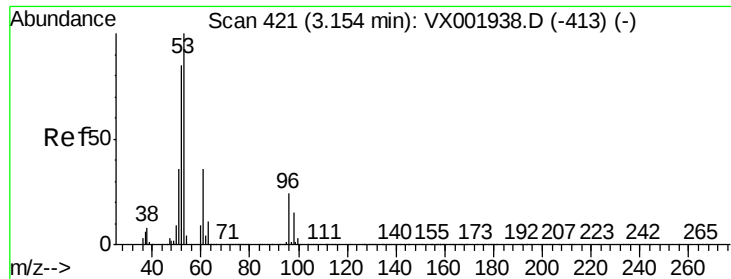
55 56.6 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

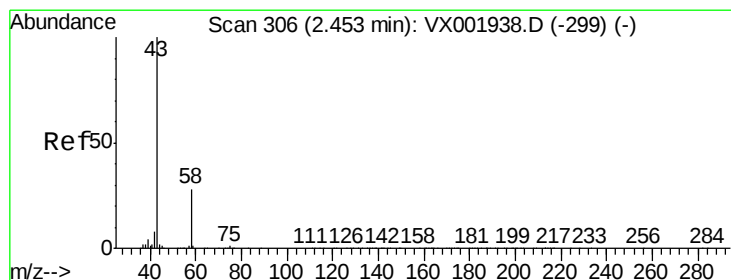
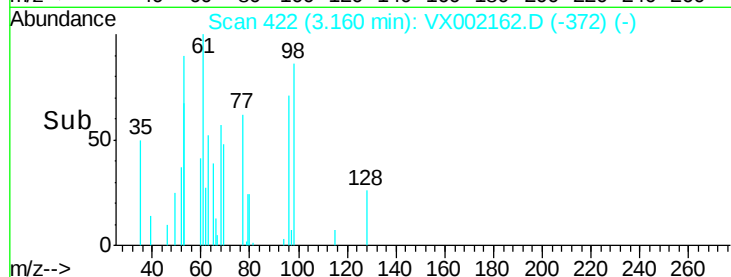
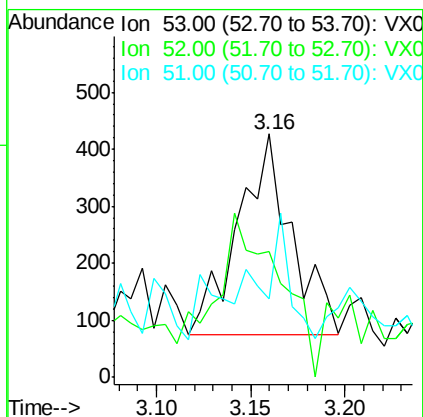
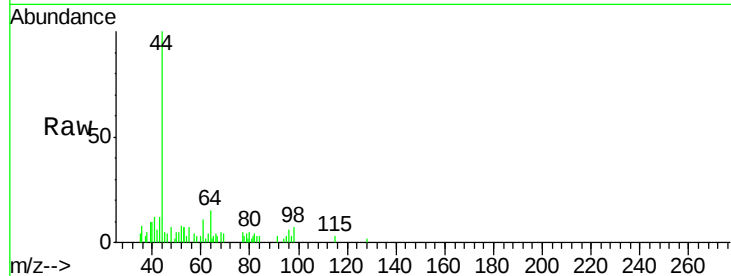
Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

Tgt Ion:	53	Resp:	693
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.4	99.6#
51	31.7	29.3	43.9



#16

Acetone

Concen: 4.25 ug/l

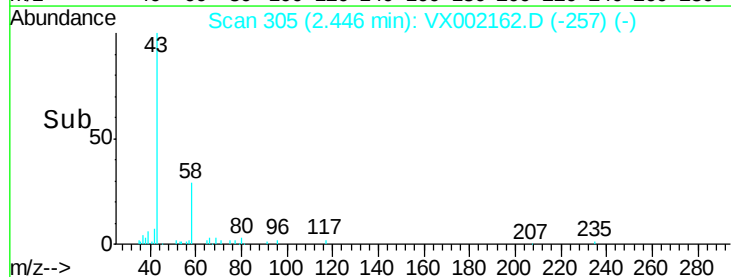
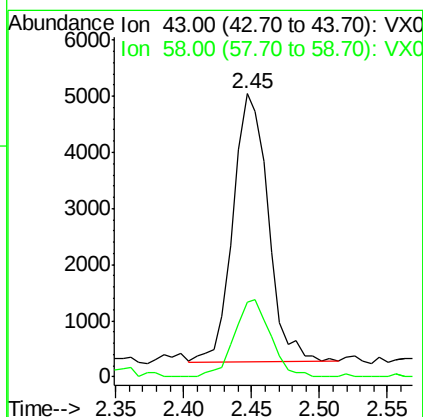
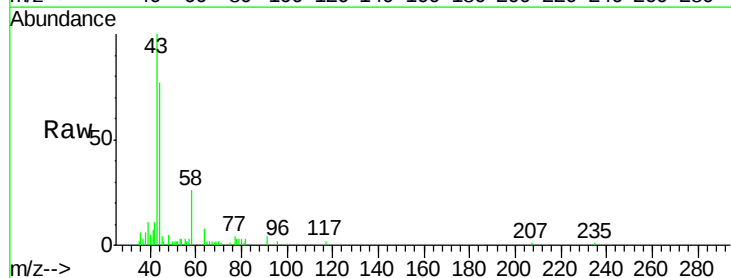
RT: 2.45 min Scan# 305

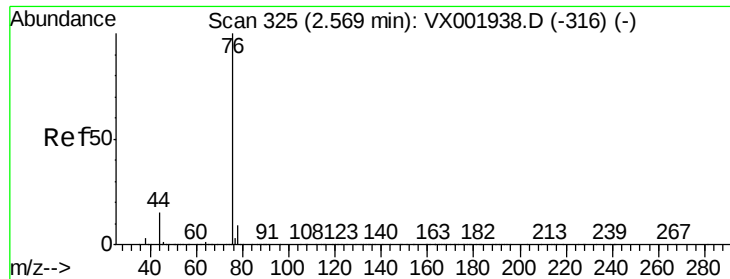
Delta R.T. -0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Tgt Ion:	43	Resp:	8571
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.3	33.5

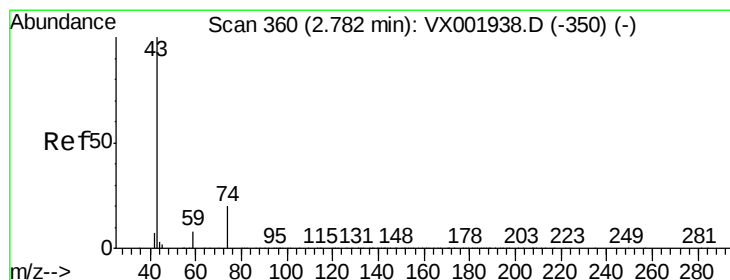
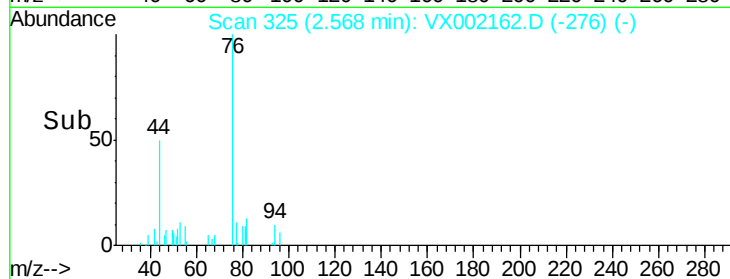
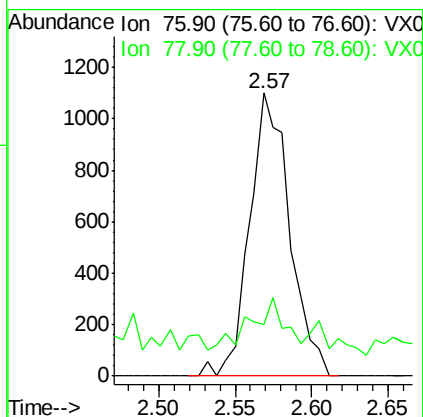
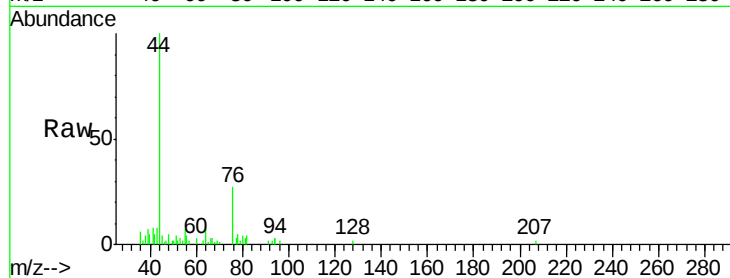




#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002162.D
Acq: 31 May 2018 03:30

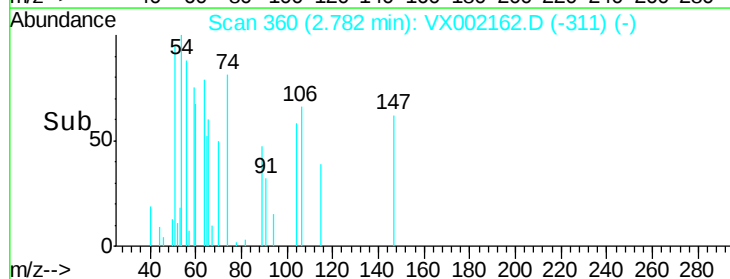
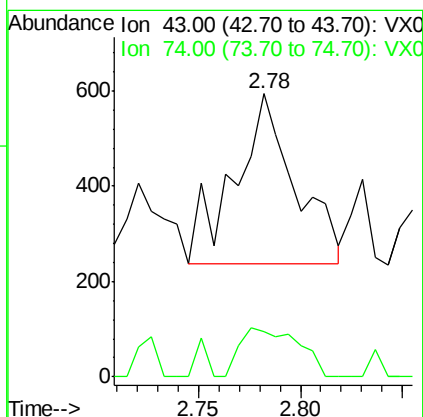
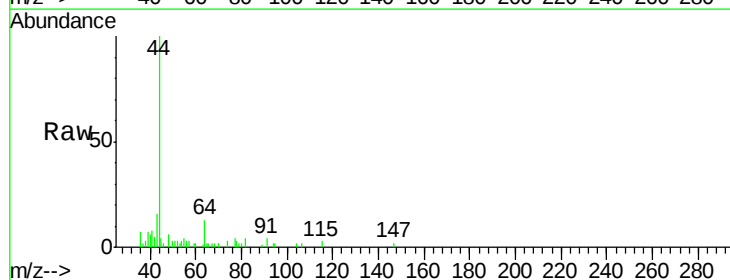
Instrument :
MSVOA_X
ClientSampleId :
FLATBUSH-FIELD-BLANK-1-5-25-18

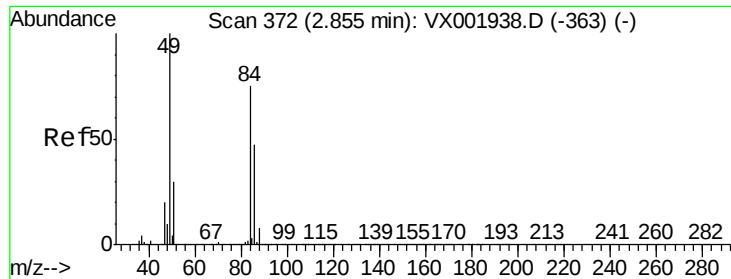
Tgt Ion: 76 Resp: 2004
Ion Ratio Lower Upper
76 100
78 5.2 7.4 11.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002162.D
Acq: 31 May 2018 03:30

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
74 27.5 16.8 25.2#





#20

Methylene Chloride

Concen: 0.92 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

Tgt Ion: 84 Resp: 8929

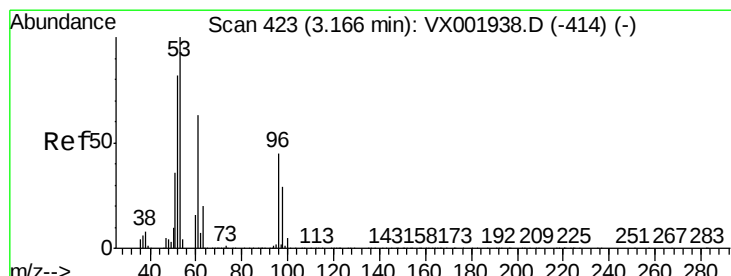
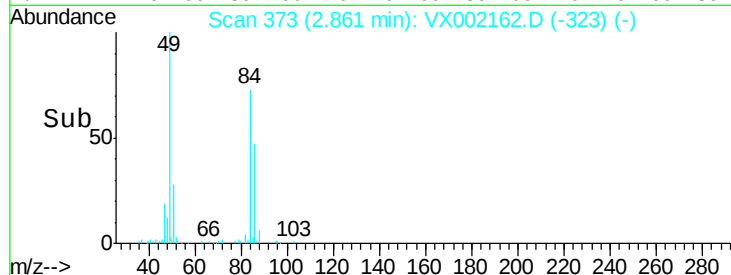
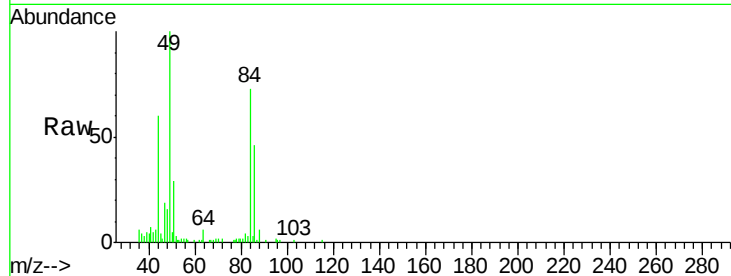
Ion	Ratio	Lower	Upper
84	100		
49	135.4	107.2	160.8
51	38.2	32.4	48.6
86	63.7	50.4	75.6

Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

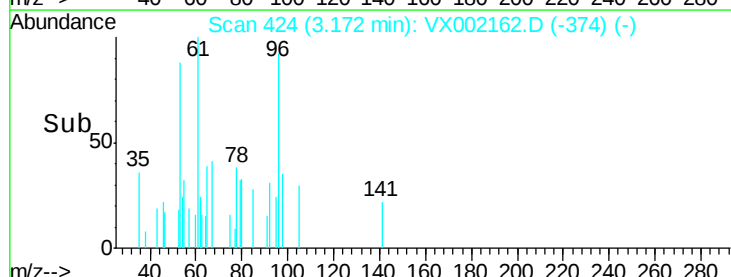
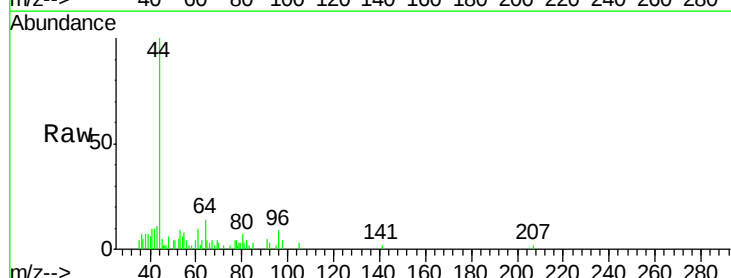
Tgt Ion: 96 Resp: 598

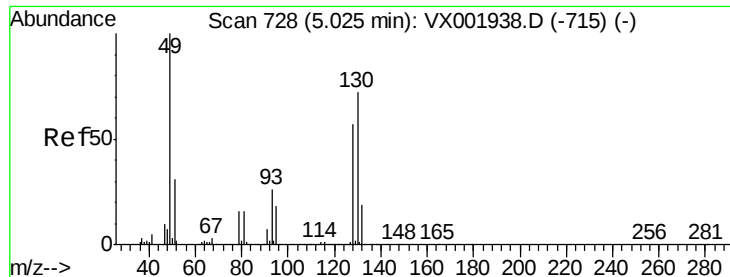
Ion	Ratio	Lower	Upper
96	100		
61	109.2	113.3	169.9#
98	38.0	51.7	77.5#

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: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

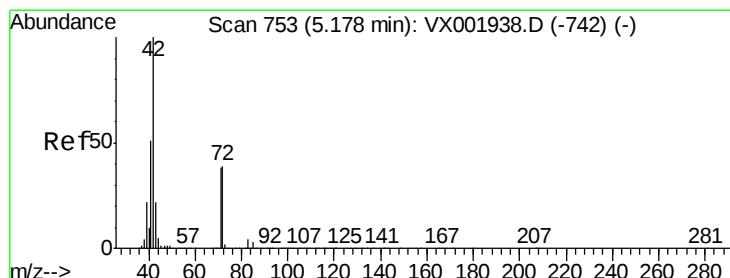
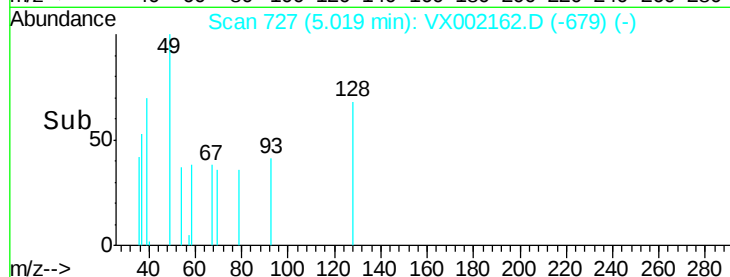
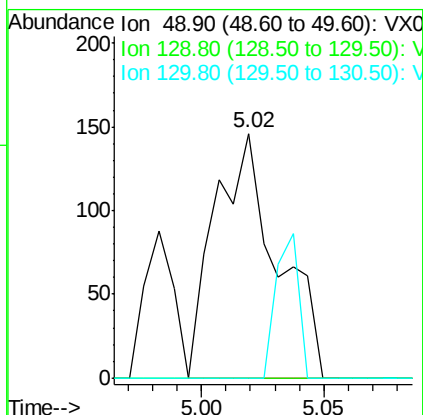
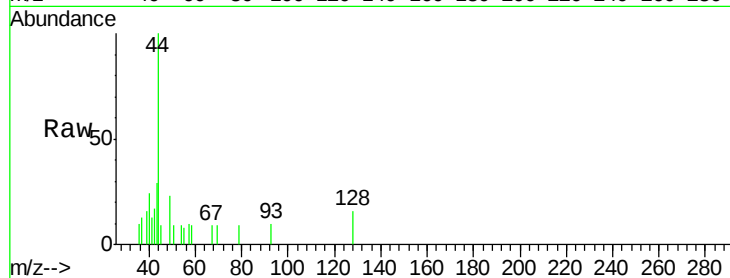
Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

Tgt Ion:	49	Resp:	259
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	21.6	59.4	89.2#



#29

Tetrahydrofuran

Concen: 0.23 ug/l

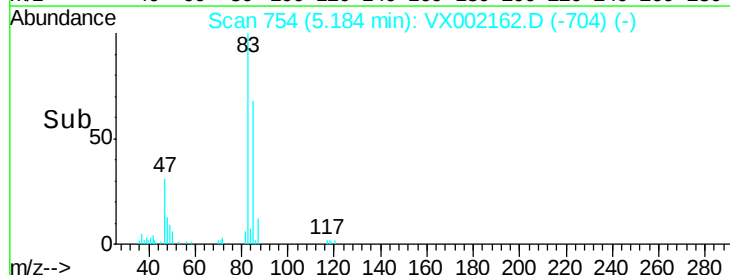
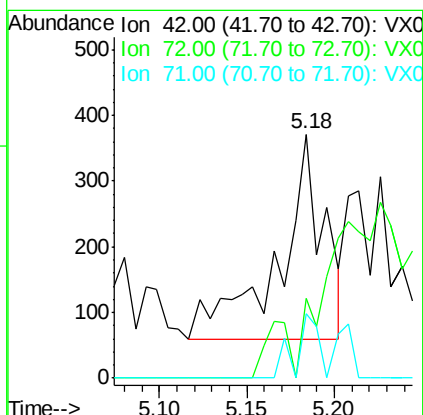
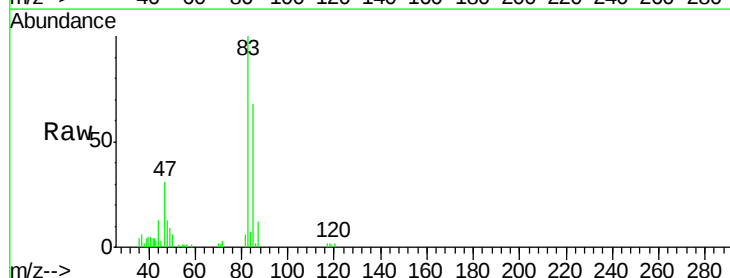
RT: 5.18 min Scan# 754

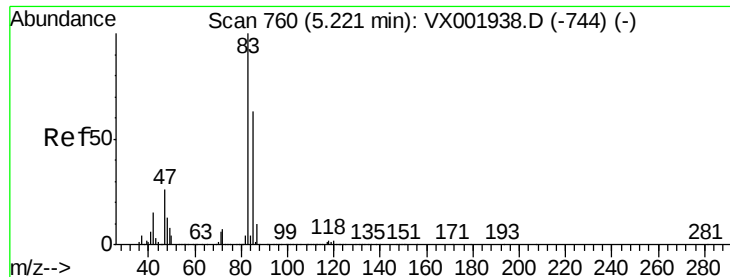
Delta R.T. 0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Tgt Ion:	42	Resp:	561
Ion	Ratio	Lower	Upper
42	100		
72	14.4	31.4	47.0#
71	15.5	29.5	44.3#

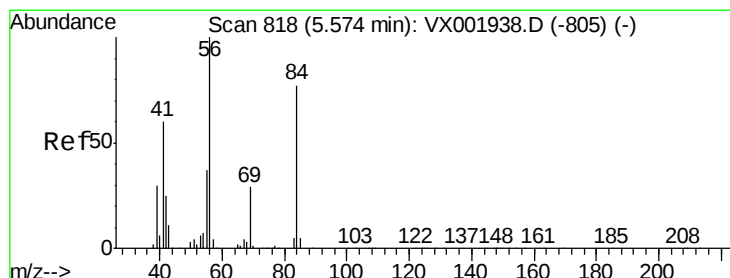
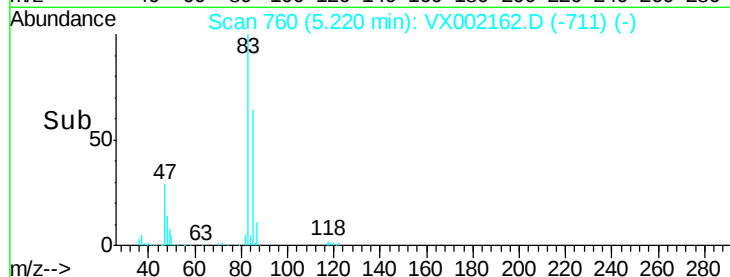
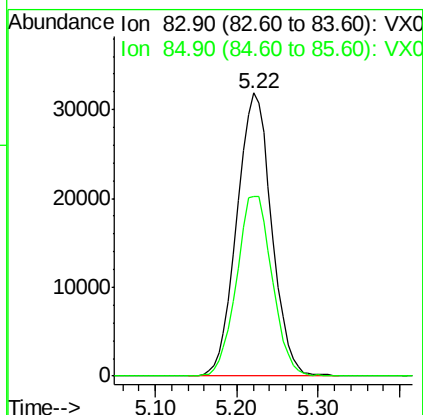
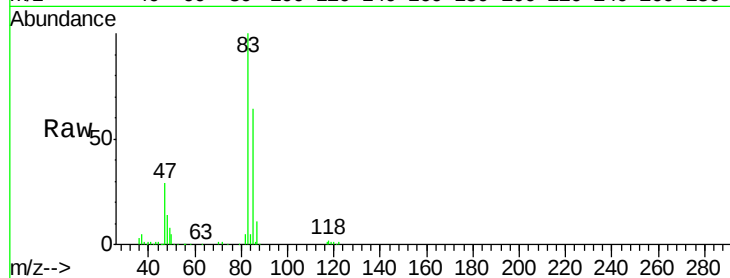




#30
Chloroform
Concen: 12.12 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002162.D
Acq: 31 May 2018 03:30

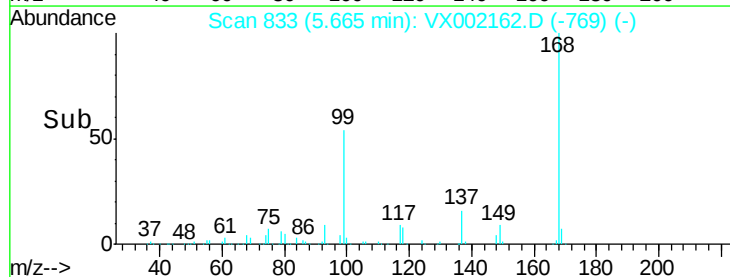
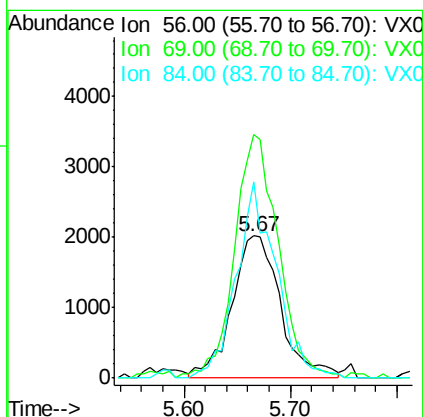
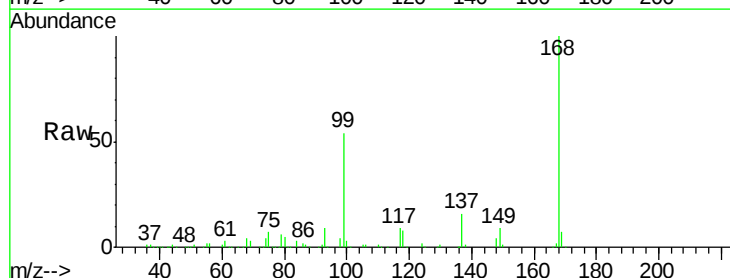
Instrument :
MSVOA_X
ClientSampleId :
FLATBUSH-FIELD-BLANK-1-5-25-18

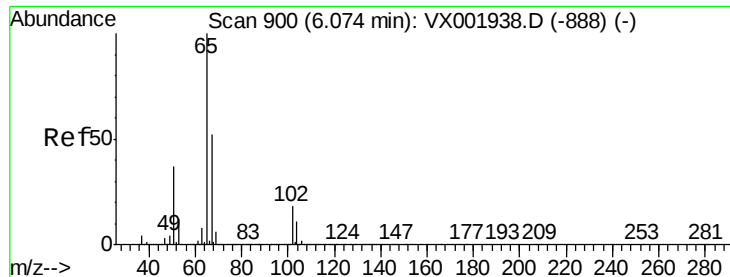
Tgt Ion: 83 Resp: 94298
Ion Ratio Lower Upper
83 100
85 63.5 50.9 76.3



#31
Cyclohexane
Concen: 0.90 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002162.D
Acq: 31 May 2018 03:30

Tgt Ion: 56 Resp: 6447
Ion Ratio Lower Upper
56 100
69 173.6 23.1 34.7#
84 142.5 62.0 93.0#

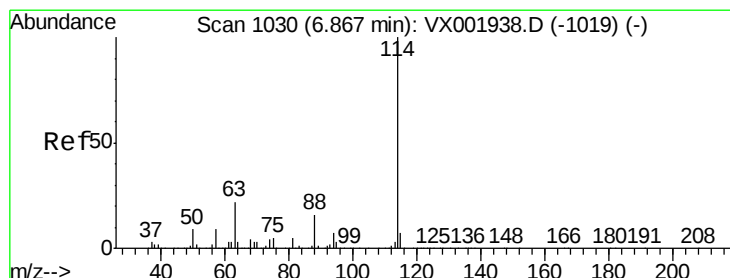
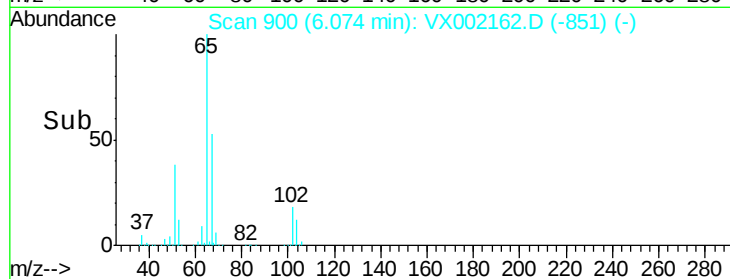
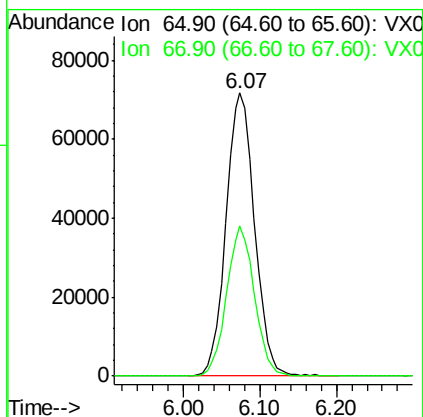
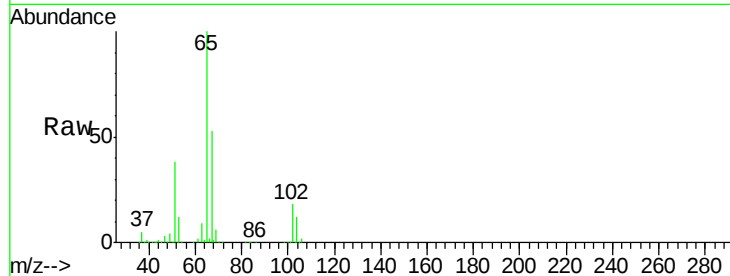




#33
 1,2-Dichloroethane-d4
 Concen: 35.46 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002162.D
 Acq: 31 May 2018 03:30

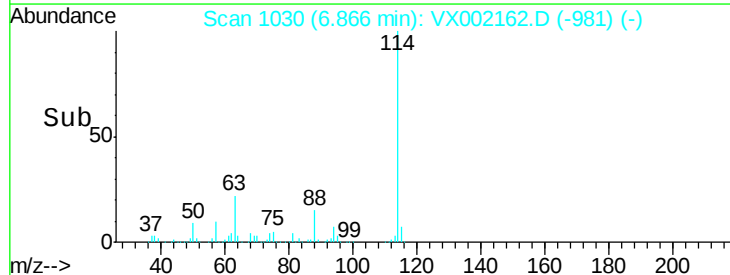
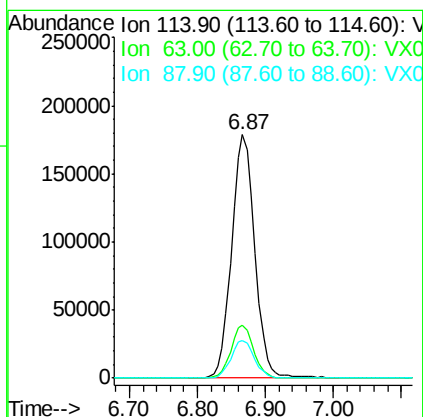
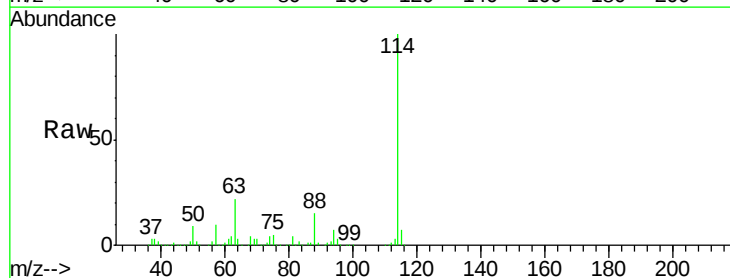
Instrument :
 MSVOA_X
 ClientSampleId :
 FLATBUSH-FIELD-BLANK-1-5-25-18

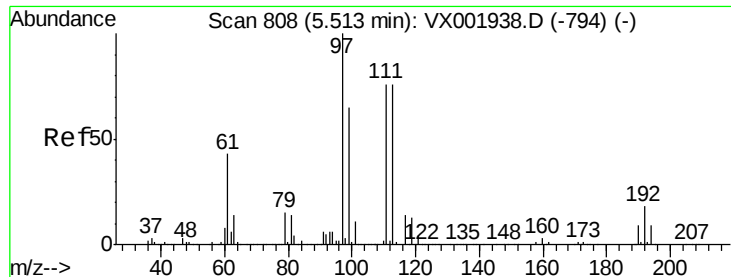
Tgt Ion: 65 Resp: 185204
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002162.D
 Acq: 31 May 2018 03:30

Tgt Ion: 114 Resp: 421675
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 15.5 0.0 31.6

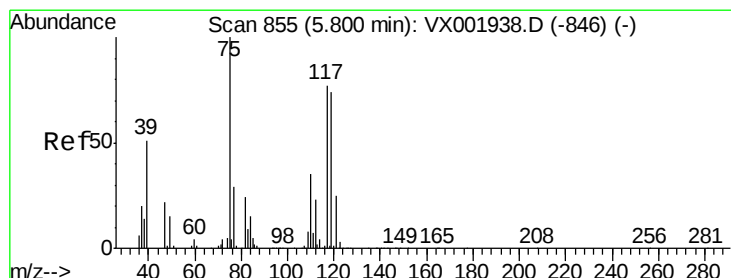
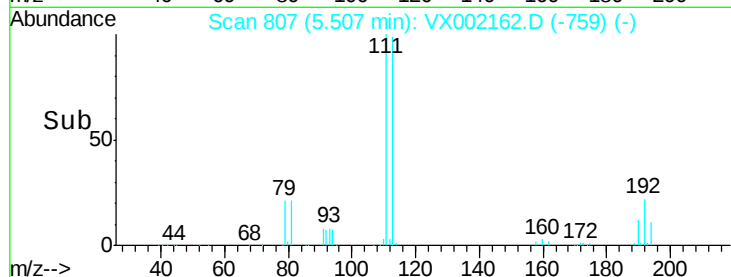
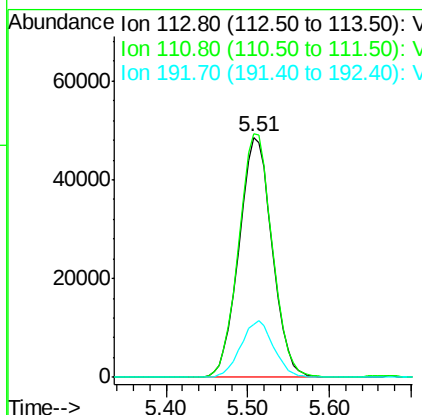
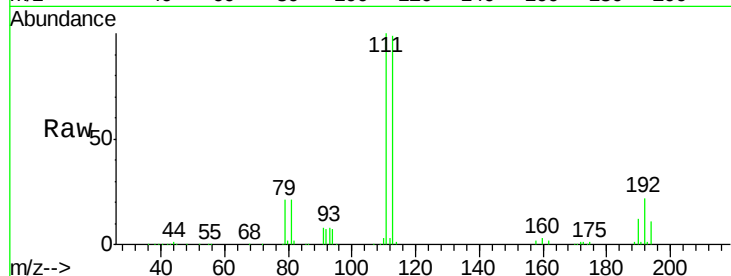




#35
 Dibromofluoromethane
 Concen: 32.58 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002162.D
 Acq: 31 May 2018 03:30

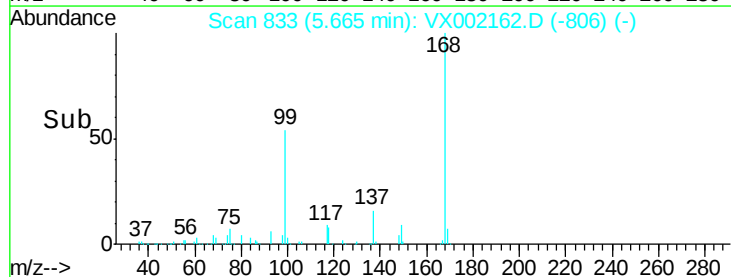
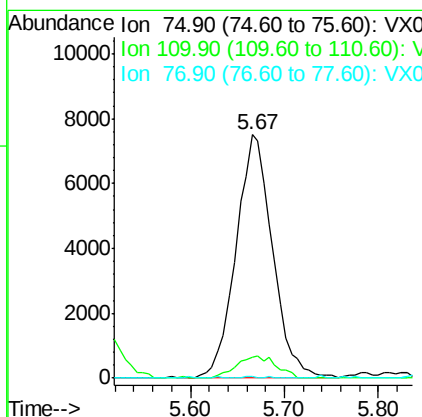
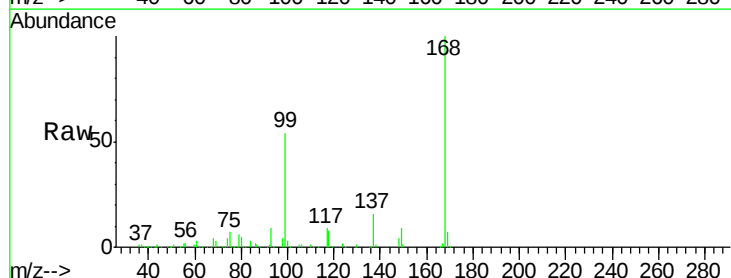
Instrument :
 MSVOA_X
 ClientSampleId :
 FLATBUSH-FIELD-BLANK-1-5-25-18

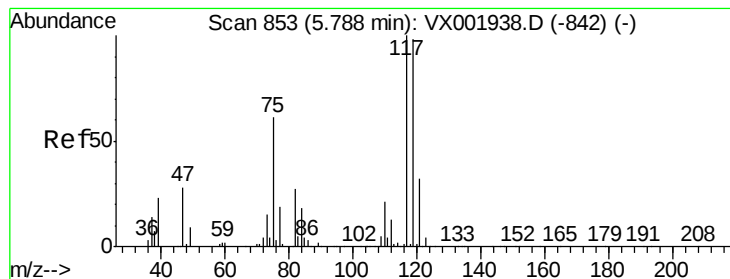
Tgt Ion:113 Resp: 137370
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.0 123.0
 192 23.5 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 3.46 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002162.D
 Acq: 31 May 2018 03:30

Tgt Ion: 75 Resp: 20300
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.4 52.2#
 77 0.2 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 3.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

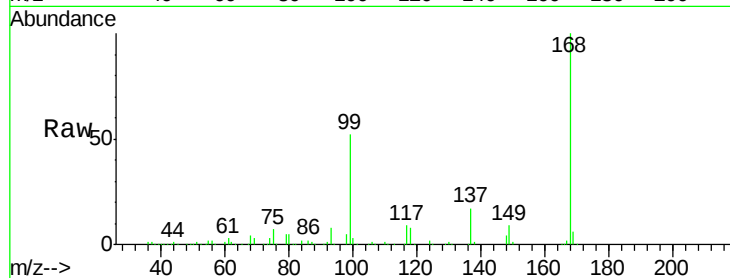
Tgt Ion:117 Resp: 26888

Ion Ratio Lower Upper

117 100

119 3.6 78.5 117.7#

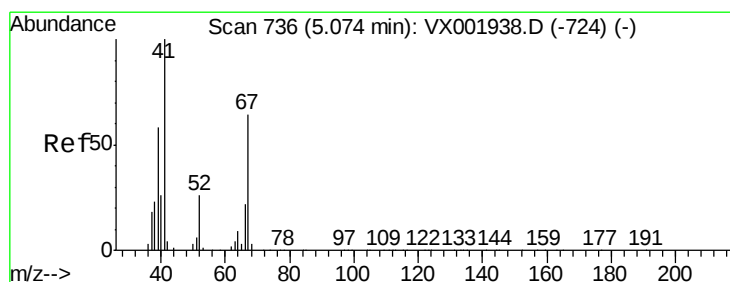
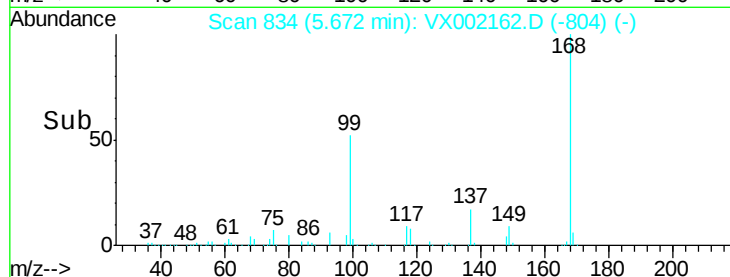
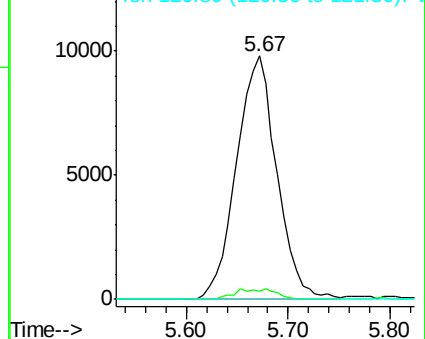
121 0.0 25.5 38.3#



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: VX002162.D

Acq: 31 May 2018 03:30

Tgt Ion: 41 Resp: 510

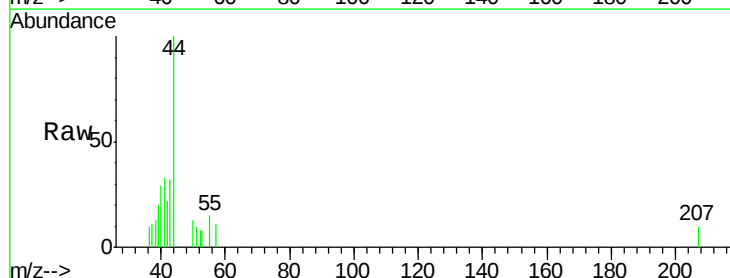
Ion Ratio Lower Upper

41 100

39 27.5 46.0 69.0#

67 0.0 50.6 75.8#

52 3.7 21.9 32.9#

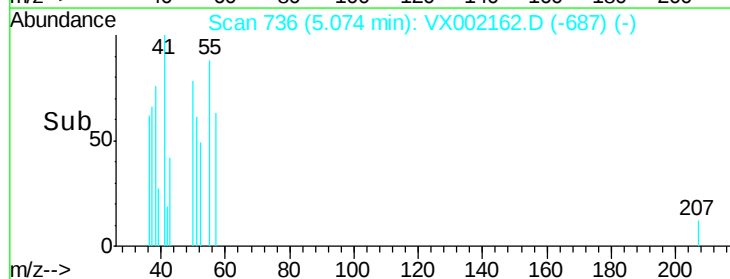
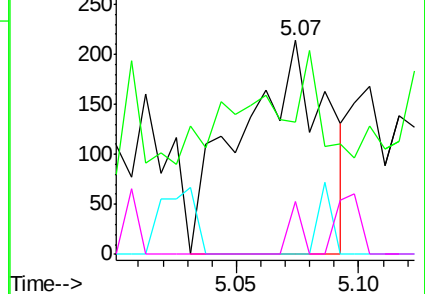


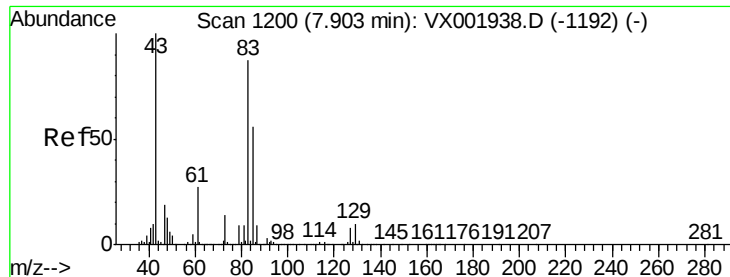
Abundance Ion 41.00 (40.70 to 41.70): VX0

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





#47

Bromodichloromethane

Concen: 0.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

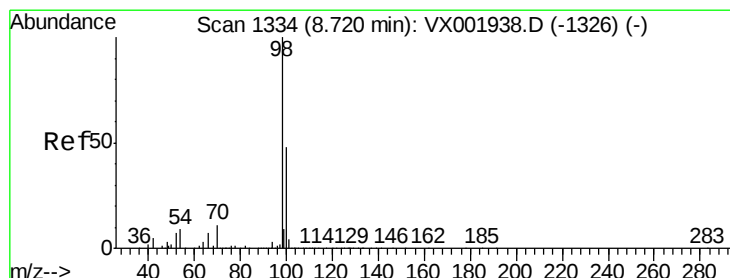
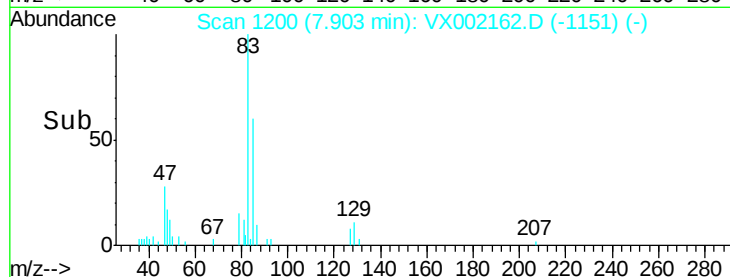
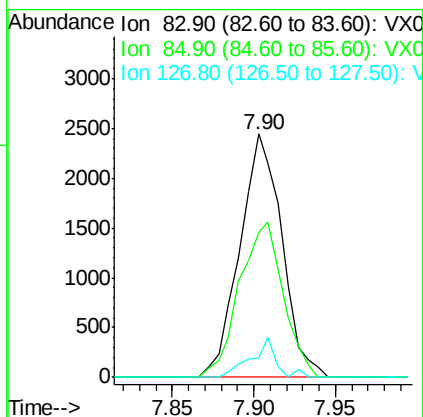
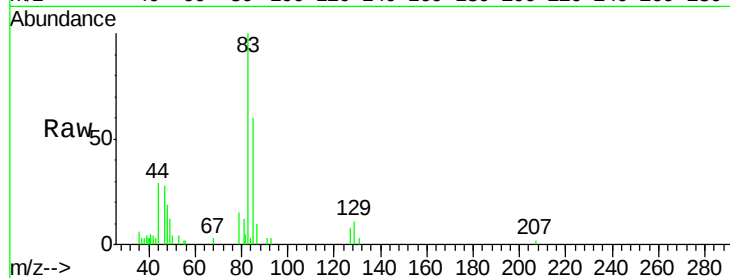
Tgt Ion: 83 Resp: 4389

Ion Ratio Lower Upper

83 100

85 59.6 51.4 77.2

127 7.9 7.1 10.7



#50

Toluene-d8

Concen: 36.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002162.D

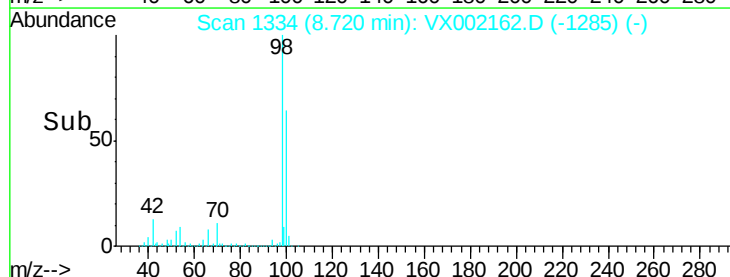
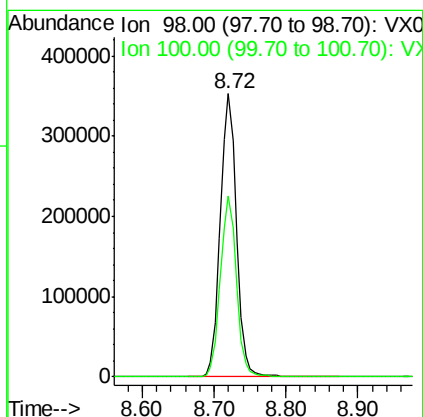
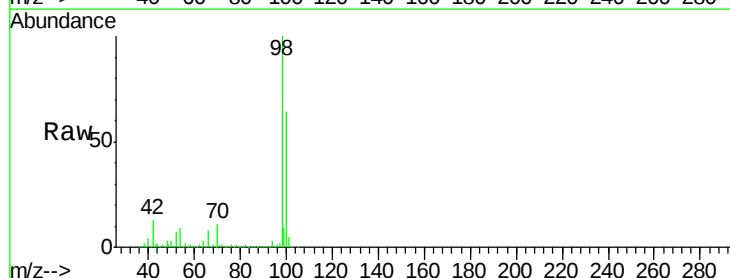
Acq: 31 May 2018 03:30

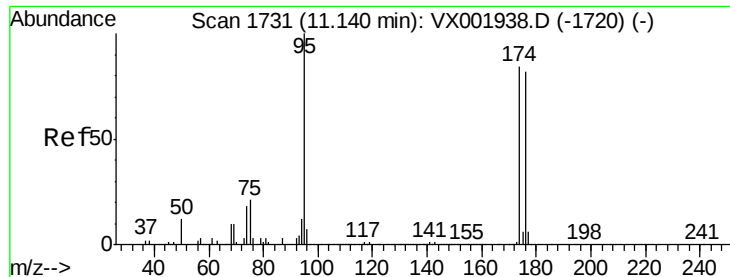
Tgt Ion: 98 Resp: 552649

Ion Ratio Lower Upper

98 100

100 63.2 51.5 77.3

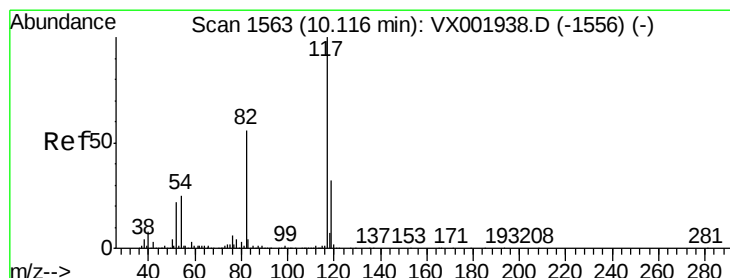
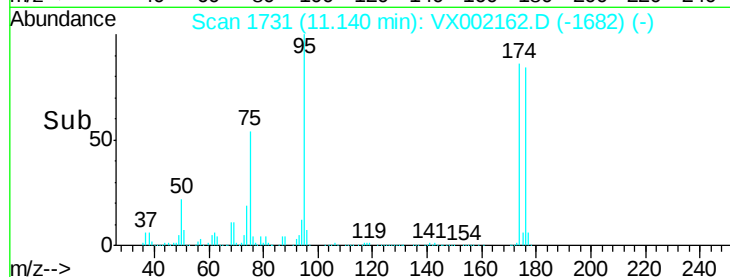
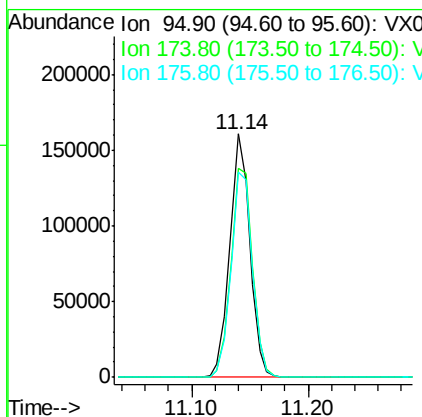
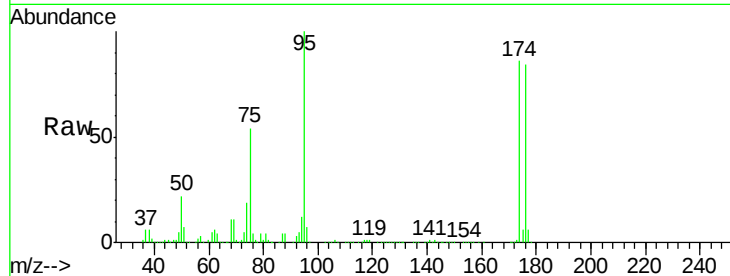




#62
4-Bromofluorobenzene
Concen: 32.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002162.D
Acq: 31 May 2018 03:30

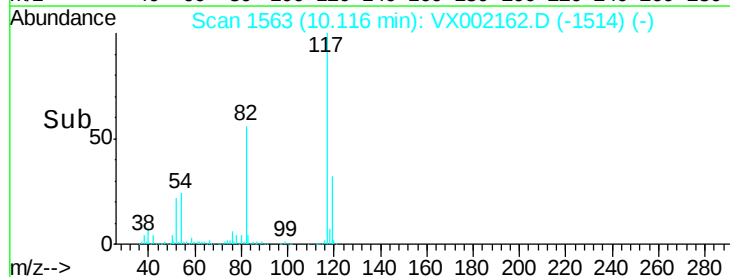
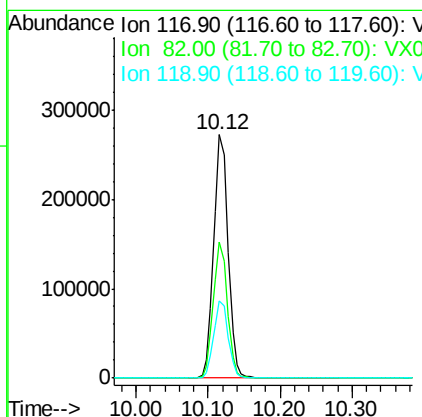
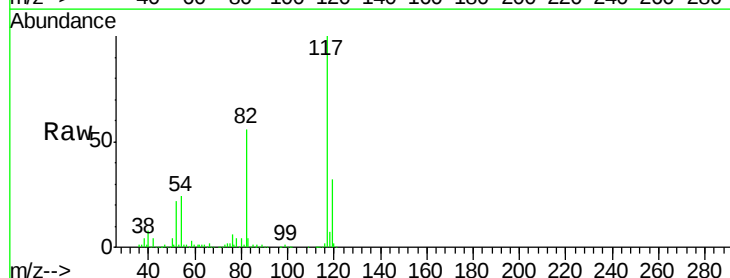
Instrument :
MSVOA_X
ClientSampleId :
FLATBUSH-FIELD-BLANK-1-5-25-18

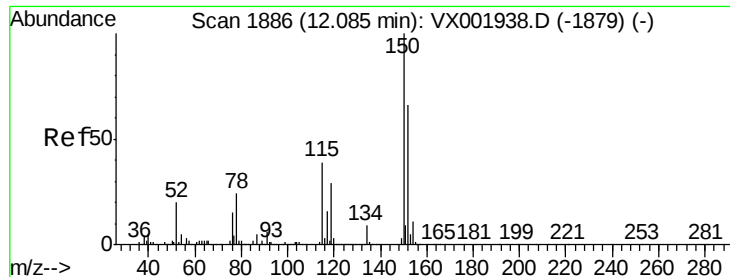
Tgt Ion: 95 Resp: 194642
Ion Ratio Lower Upper
95 100
174 92.0 0.0 178.8
176 89.1 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002162.D
Acq: 31 May 2018 03:30

Tgt Ion: 117 Resp: 376535
Ion Ratio Lower Upper
117 100
82 55.7 44.8 67.2
119 31.6 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: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

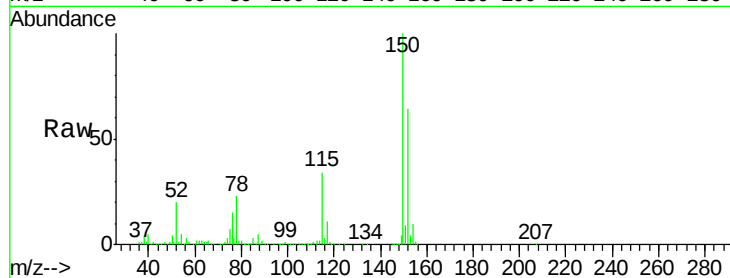
Tgt Ion:152 Resp: 207565

Ion Ratio Lower Upper

152 100

115 56.0 42.3 126.8

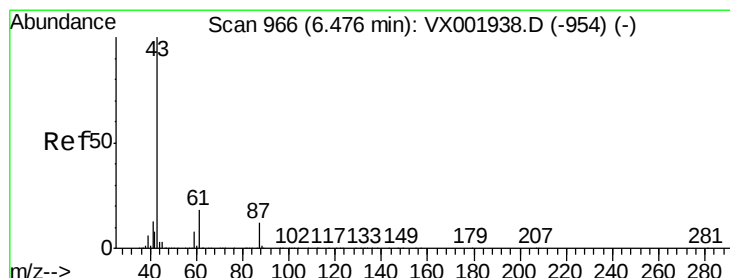
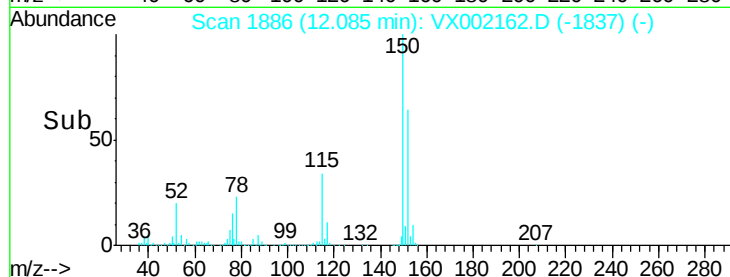
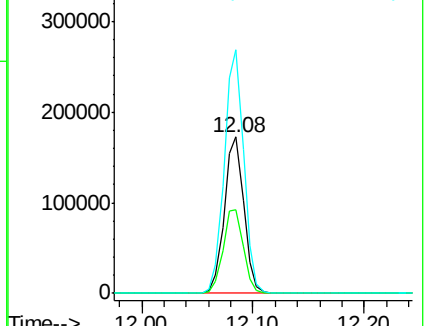
150 156.5 0.0 351.0



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: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Tgt Ion: 43 Resp: 46

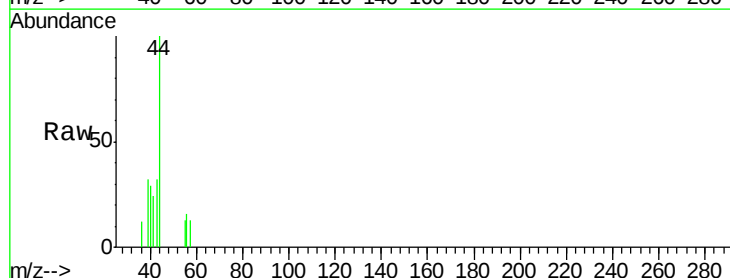
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 0.0 14.5 21.7#

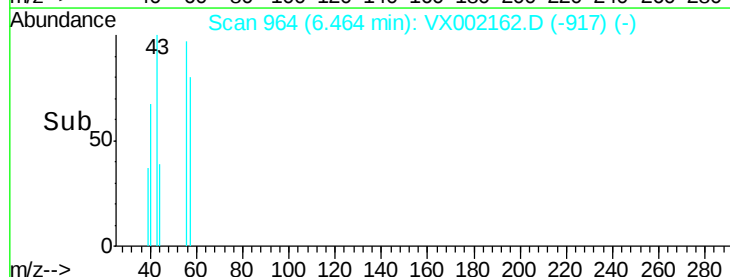
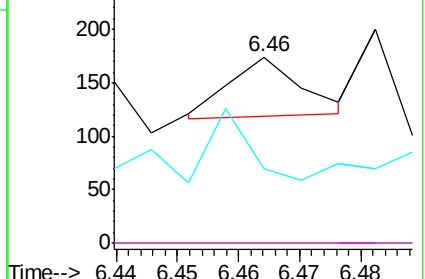


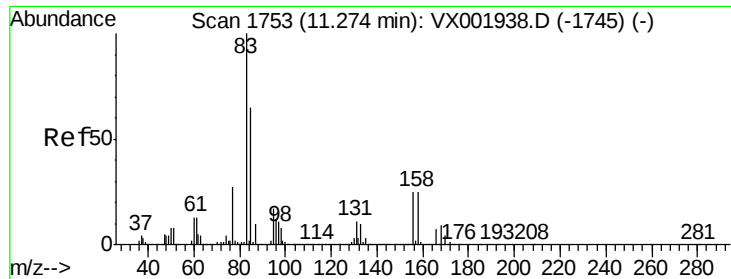
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.14 min Scan# 1731

Delta R.T. -0.13 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

FLATBUSH-FIELD-BLANK-1-5-25-18

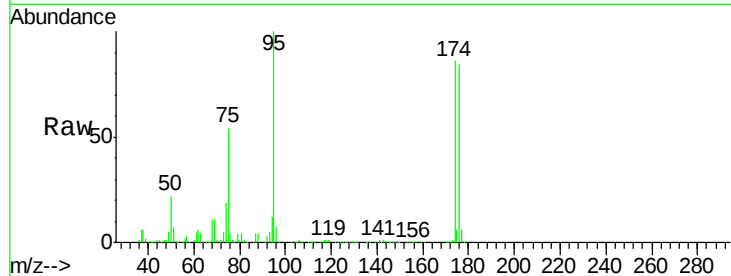
Tgt Ion: 83 Resp: 296

Ion Ratio Lower Upper

83 100

131 130.7 5.7 17.0#

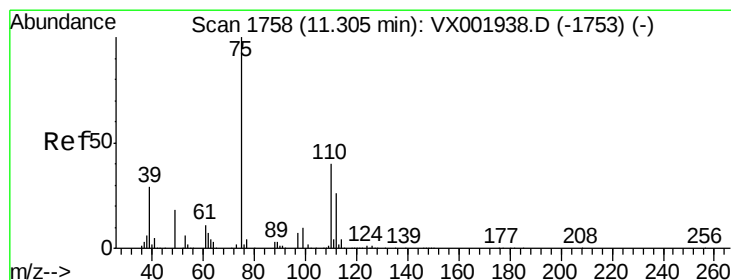
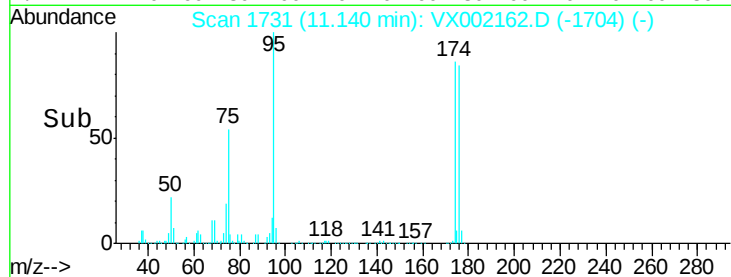
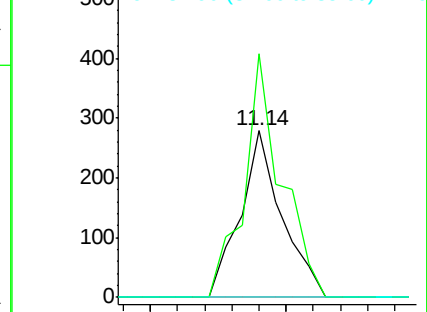
85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002162.D

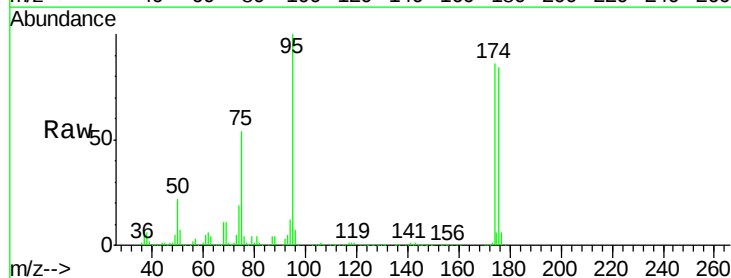
Acq: 31 May 2018 03:30

Tgt Ion: 75 Resp: 105522

Ion Ratio Lower Upper

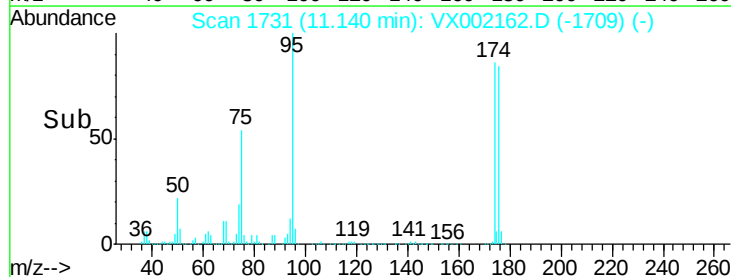
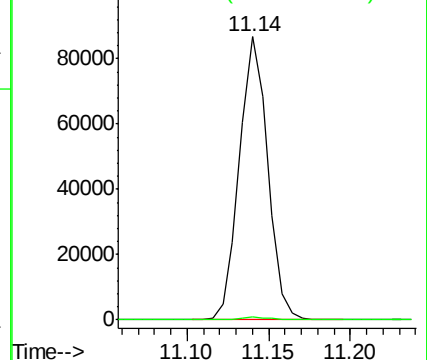
75 100

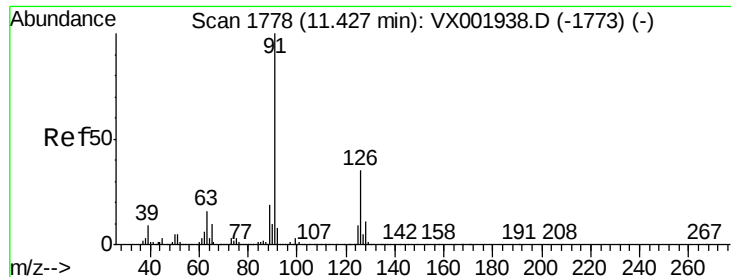
77 1.1 22.8 68.3#



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: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Instrument :

MSVOA_X

ClientSampleId :

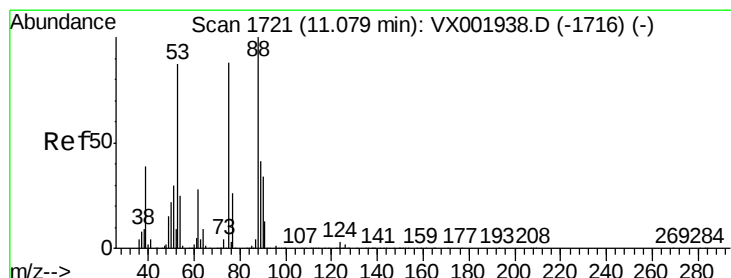
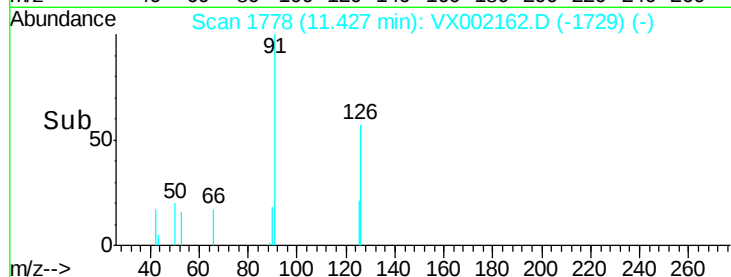
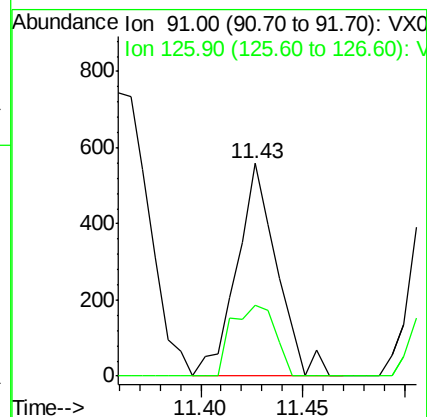
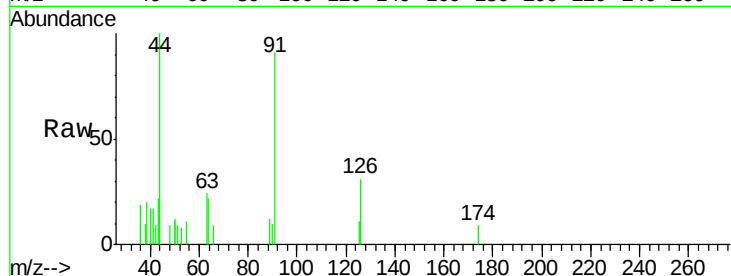
FLATBUSH-FIELD-BLANK-1-5-25-18

Tgt Ion: 91 Resp: 761

Ion Ratio Lower Upper

91 100

126 36.0 17.4 52.2



#81

trans-1,4-Dichloro-2-butene

Concen: 50.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002162.D

Acq: 31 May 2018 03:30

Tgt Ion: 75 Resp: 105522

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

