

Data File : VX001995.D

Acq On : 26 May 2018 00:09

Operator : JC/MD

Sample : PB109661ZHE#03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: May 26 04:23:43 2018

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

Quant Title : SW846 8260

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	437093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	394266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	278255	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
35) Dibromofluoromethane	5.51	113	212953	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.72	98	737787	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
62) 4-Bromofluorobenzene	11.14	95	267819	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	297	Below Cal		94
5) Bromomethane	1.66	94	1352	Below Cal		99
6) Chloroethane	1.62	64	2061	0.83	ug/l #	50
10) Methyl Iodide	2.52	142	2763	0.58	ug/l	91
11) Tert butyl alcohol	3.03	59	4379	4.41	ug/l #	74
13) Acrolein	2.29	56	231	0.54	ug/l #	1
16) Acetone	2.45	43	13485	6.91	ug/l	96
18) Methyl Acetate	2.79	43	27913	4.91	ug/l	97
20) Methylene Chloride	2.86	84	6681	0.32	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	54	Below Cal	#	36
25) 2-Butanone	4.72	43	2817	0.79	ug/l	94
28) Bromochloromethane	5.00	49	113	Below Cal	#	14
29) Tetrahydrofuran	5.18	42	1189	0.51	ug/l #	25
31) Cyclohexane	5.67	56	5395	0.77	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19555	3.22	ug/l #	53
38) Carbon Tetrachloride	5.67	117	25615	3.61	ug/l #	14
41) Methacrylonitrile	5.06	41	51	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.65	43	1692	0.21	ug/l #	85
74) N-amyl acetate	6.49	43	218	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.27	83	176	Below Cal	#	11
76) 1,2,3-Trichloropropane	11.14	75	141970	28.81	ug/l #	33
79) 2-Chlorotoluene	11.43	91	632	Below Cal		83
81) trans-1,4-Dichloro-2-buten	11.14	75	141970	69.25	ug/l #	10

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

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ClientSampleId :
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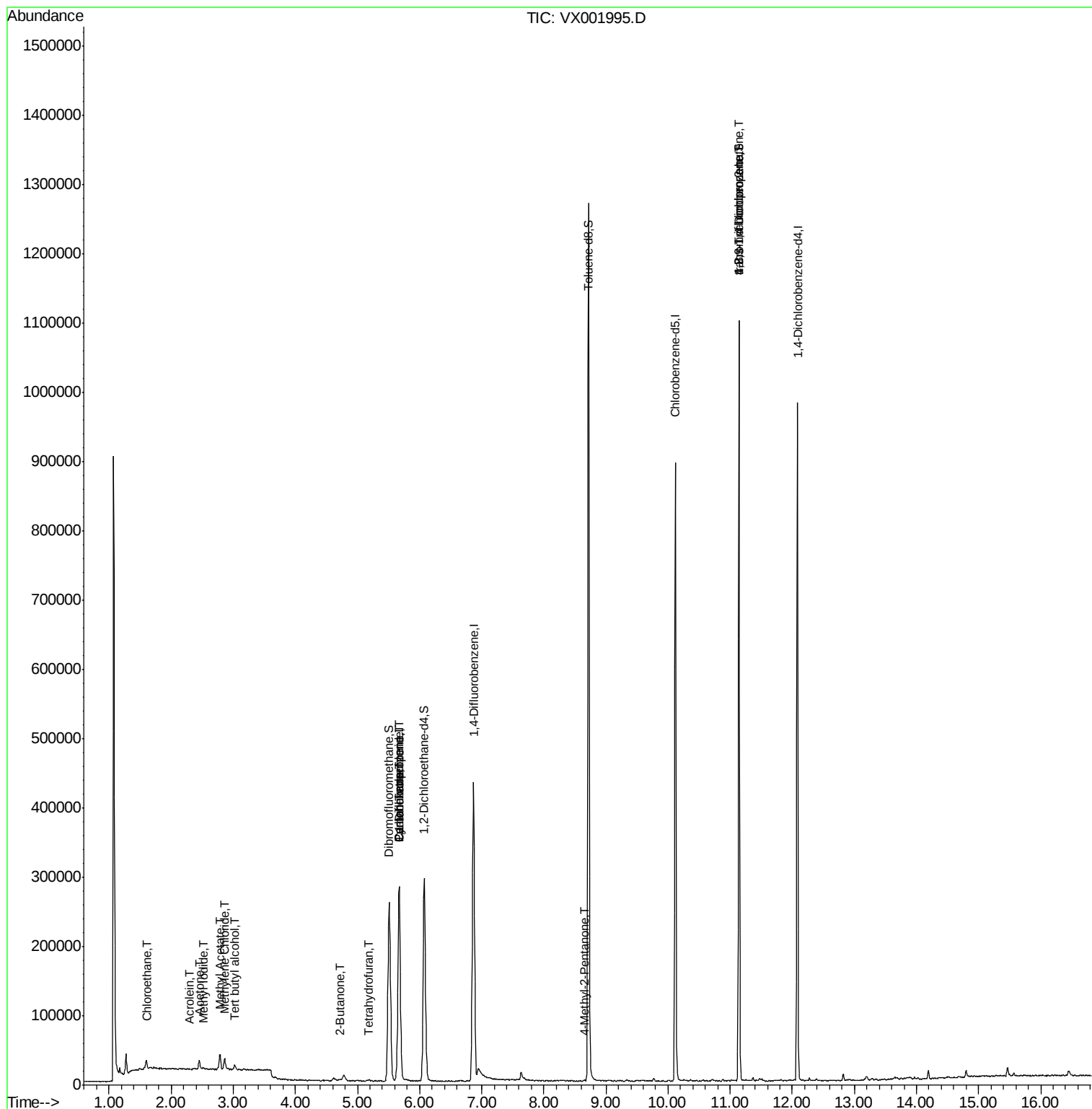
Quant Time: May 26 04:23:43 2018

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

Quant Title : SW846 8260

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

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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: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

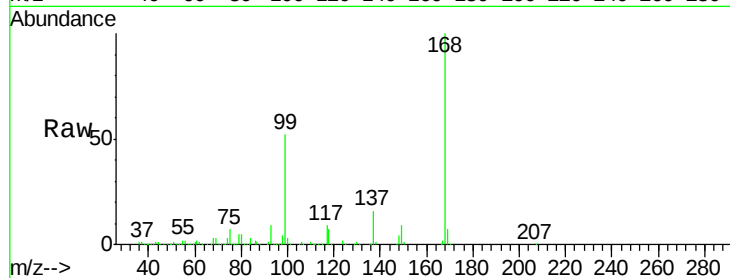
BFB

Tgt Ion:168 Resp: 282799

Ion Ratio Lower Upper

168 100

99 52.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

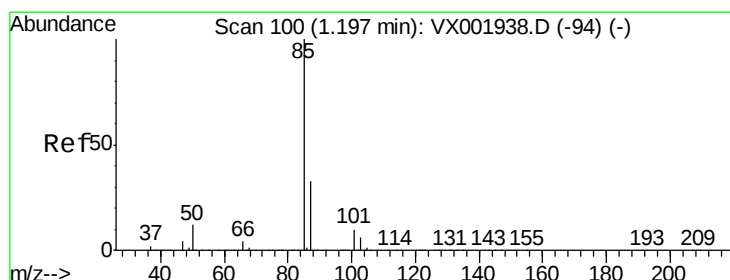
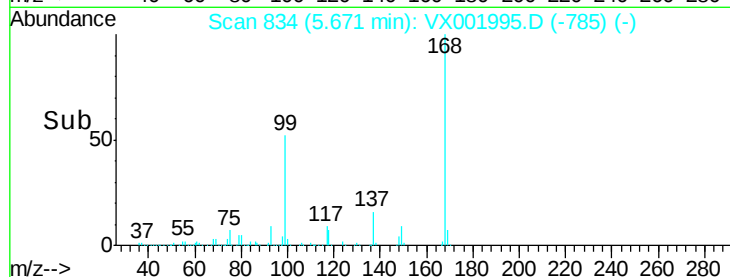
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001995.D

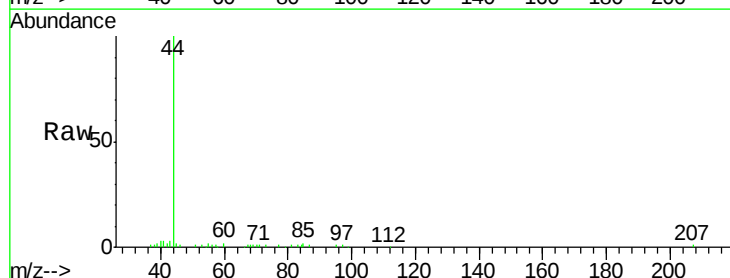
Acq: 26 May 2018 00:09

Tgt Ion: 85 Resp: 297

Ion Ratio Lower Upper

85 100

87 36.6 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

250

200

150

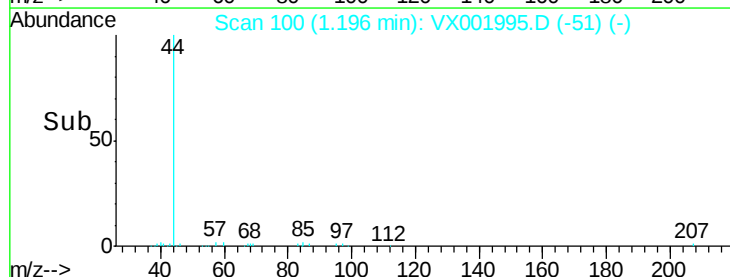
100

50

0

Time-->

1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

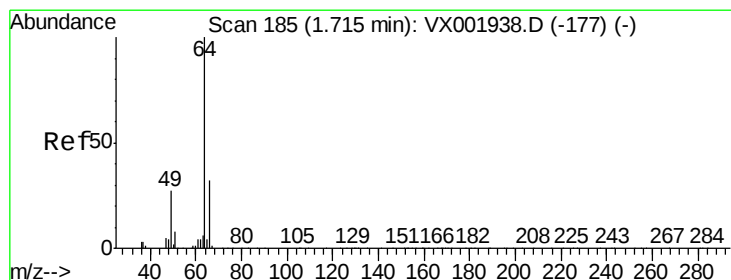
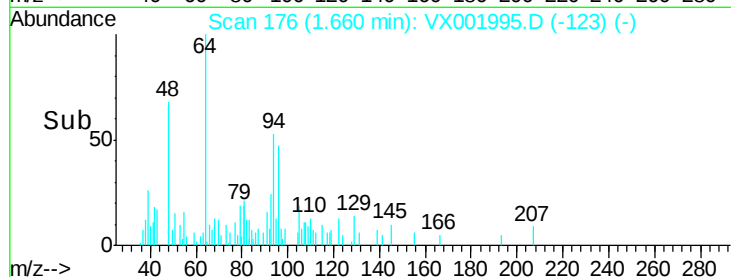
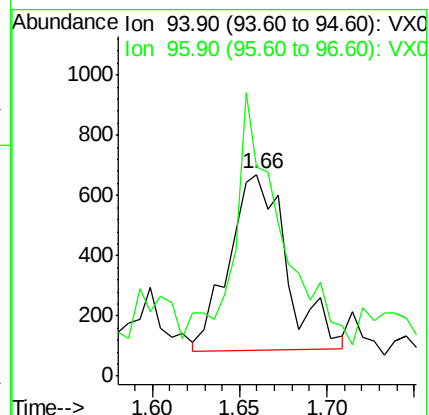
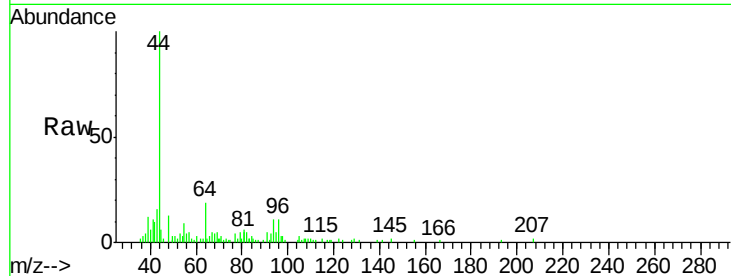
BFB

Tgt Ion: 94 Resp: 1352

Ion Ratio Lower Upper

94 100

96 94.1 75.9 113.9



#6

Chloroethane

Concen: 0.83 ug/l

RT: 1.62 min Scan# 170

Delta R.T. -0.09 min

Lab File: VX001995.D

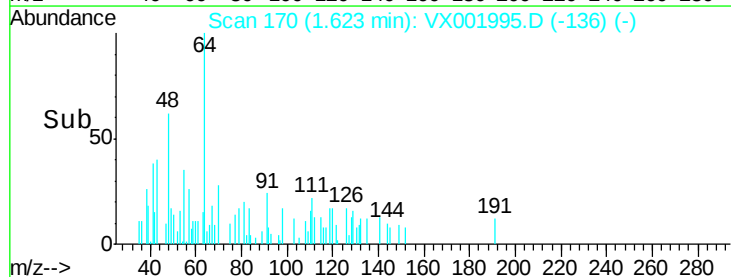
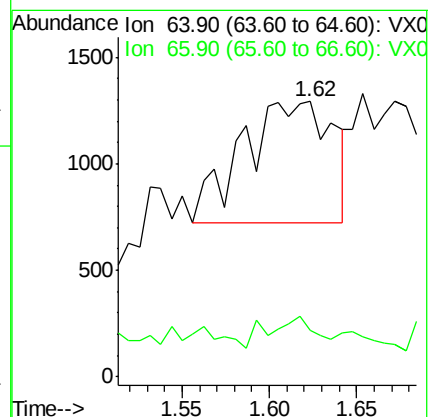
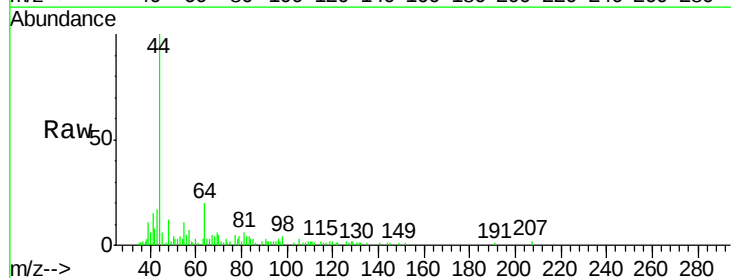
Acq: 26 May 2018 00:09

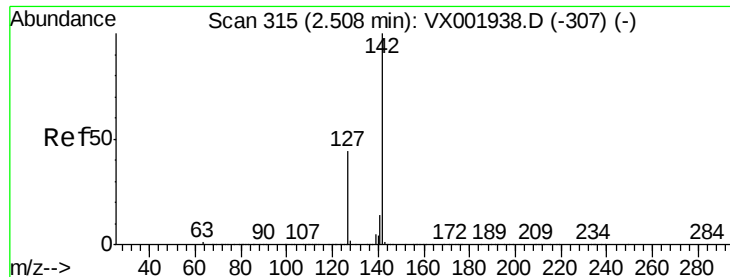
Tgt Ion: 64 Resp: 2061

Ion Ratio Lower Upper

64 100

66 4.0 25.6 38.4#

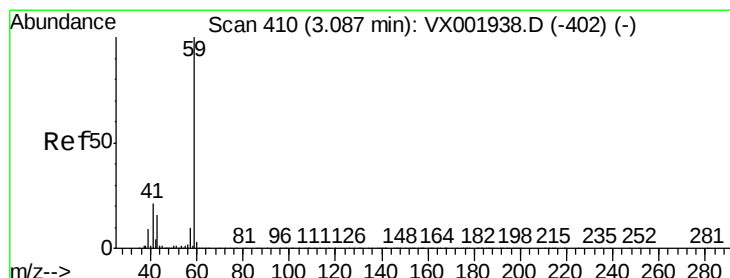
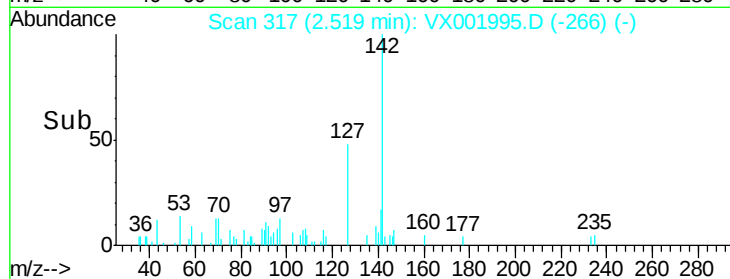
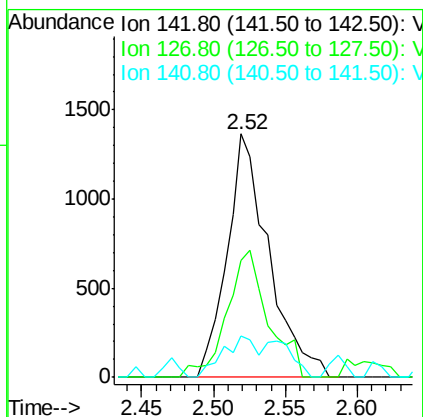
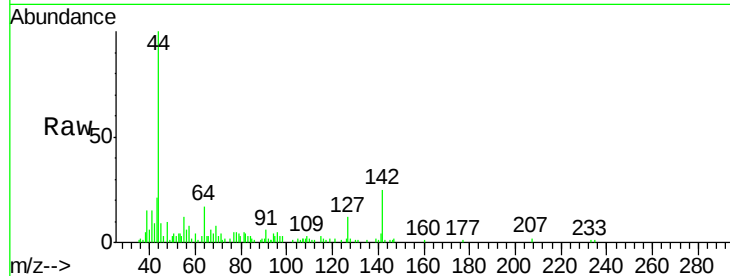




#10
Methyl Iodide
Concen: 0.58 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

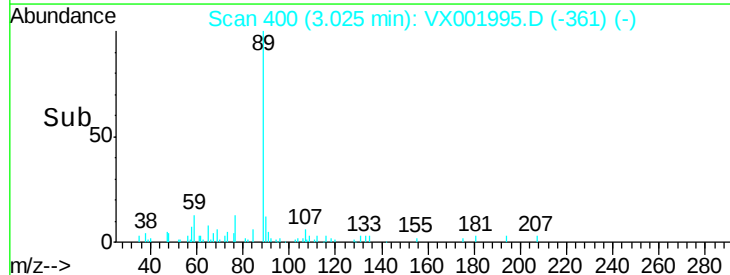
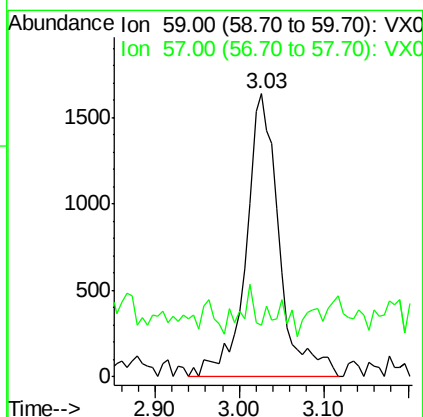
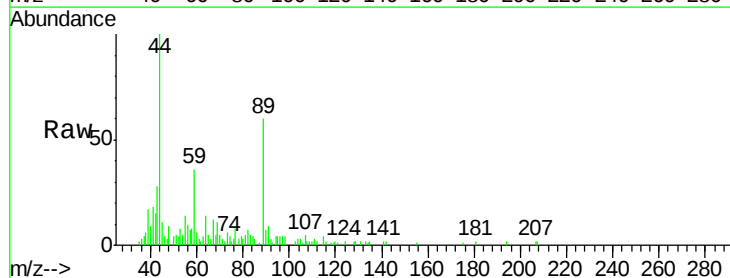
Instrument :
MSVOA_X
ClientSampled :
BFB

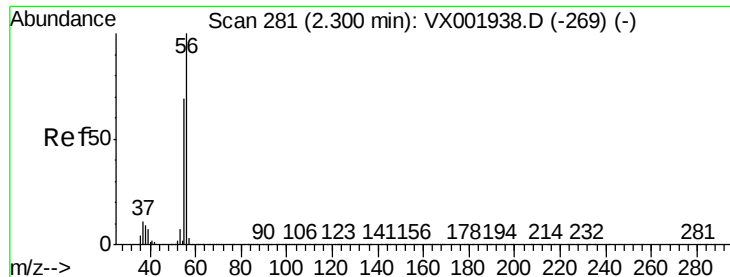
Tgt Ion:142 Resp: 2763
Ion Ratio Lower Upper
142 100
127 51.6 35.5 53.3
141 13.5 11.3 16.9



#11
Tert butyl alcohol
Concen: 4.41 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

Tgt Ion: 59 Resp: 4379
Ion Ratio Lower Upper
59 100
57 1.2 8.9 13.3#





#13

Acrolein

Concen: 0.54 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

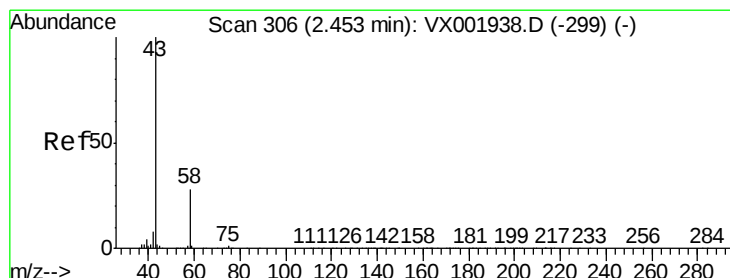
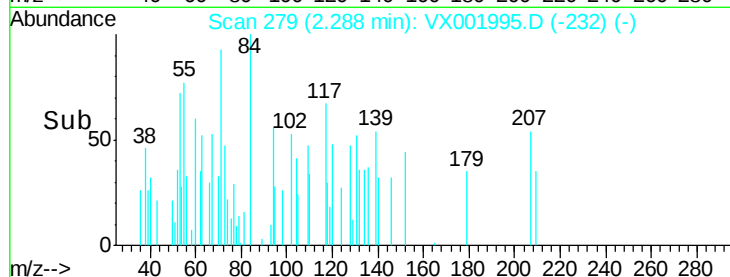
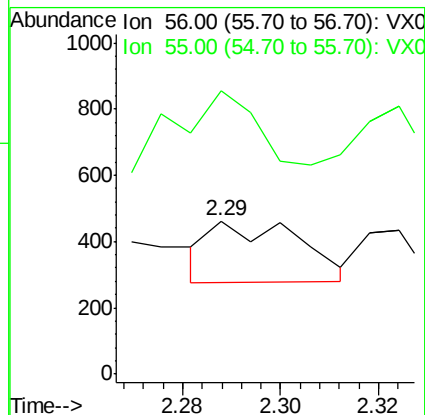
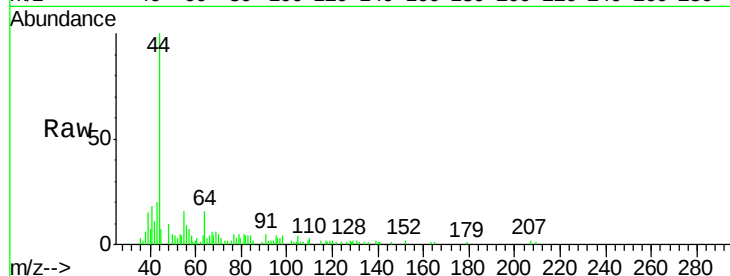
BFB

Tgt Ion: 56 Resp: 231

Ion Ratio Lower Upper

56 100

55 174.5 56.8 85.2#



#16

Acetone

Concen: 6.91 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001995.D

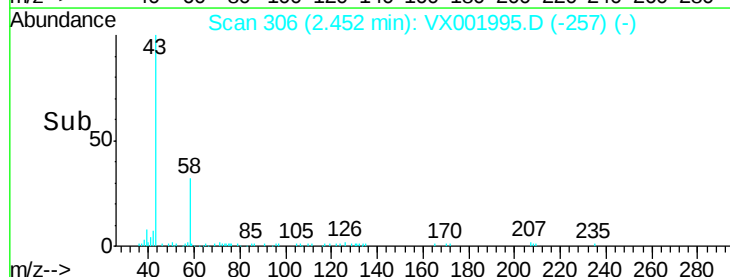
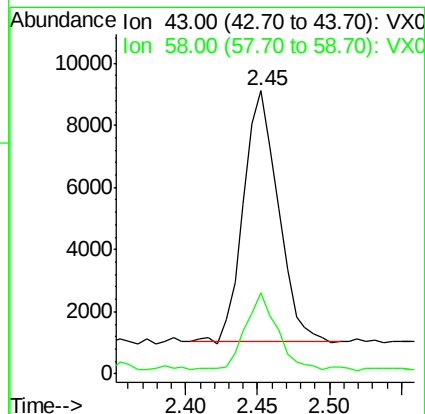
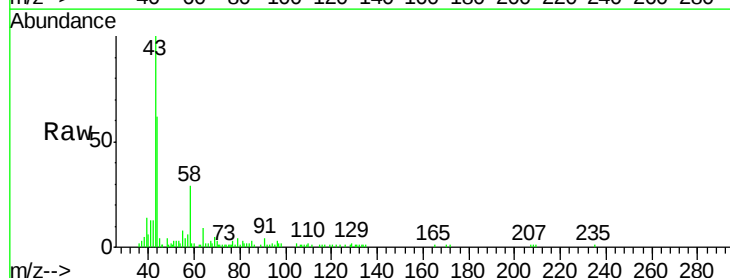
Acq: 26 May 2018 00:09

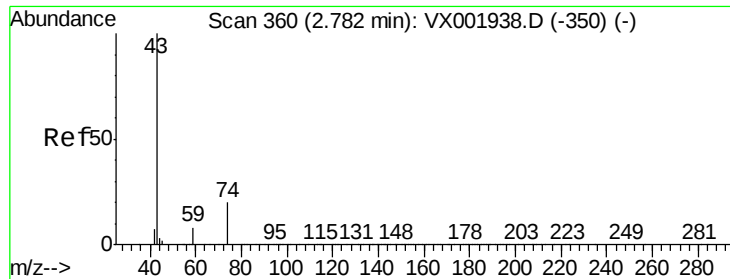
Tgt Ion: 43 Resp: 13485

Ion Ratio Lower Upper

43 100

58 30.0 22.3 33.5

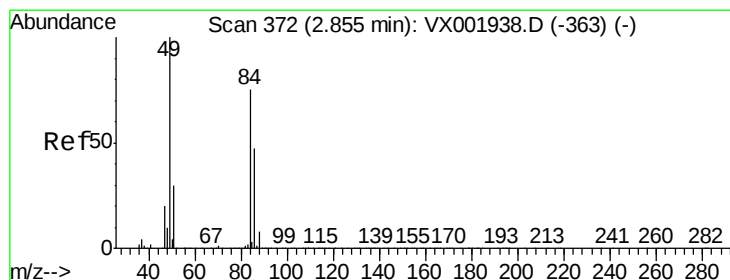
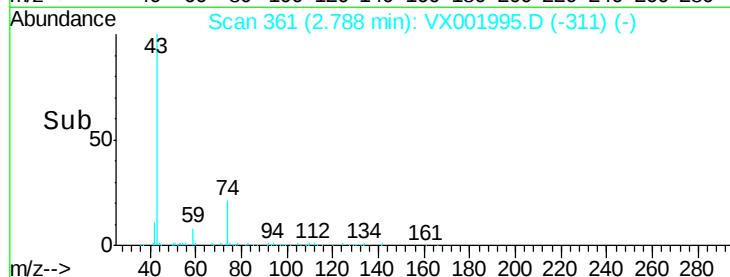
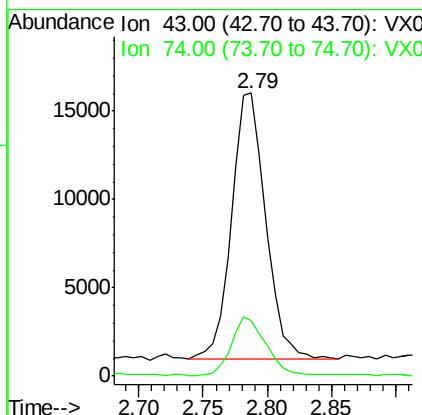
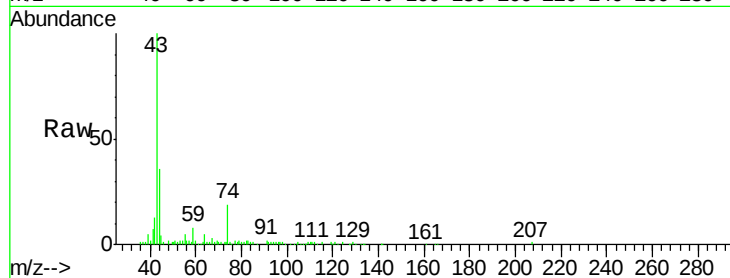




#18
Methyl Acetate
Concen: 4.91 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

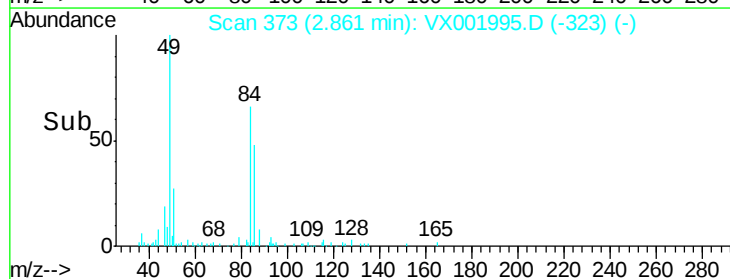
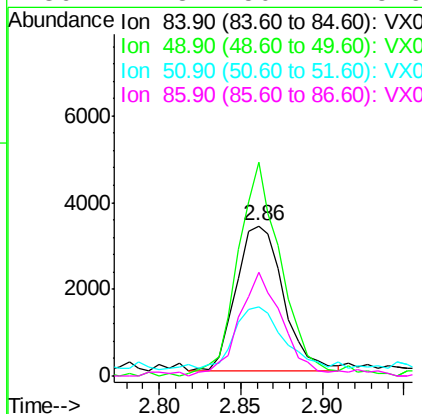
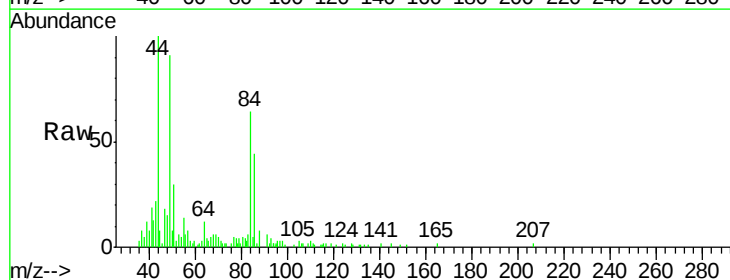
Instrument :
MSVOA_X
ClientSampleId :
BFB

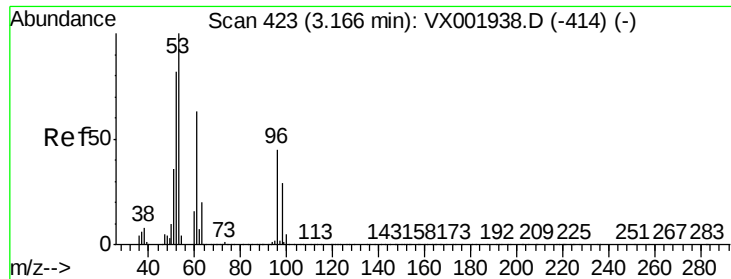
Tgt Ion: 43 Resp: 27913
Ion Ratio Lower Upper
43 100
74 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

Tgt Ion: 84 Resp: 6681
Ion Ratio Lower Upper
84 100
49 146.1 107.2 160.8
51 40.2 32.4 48.6
86 71.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

BFB

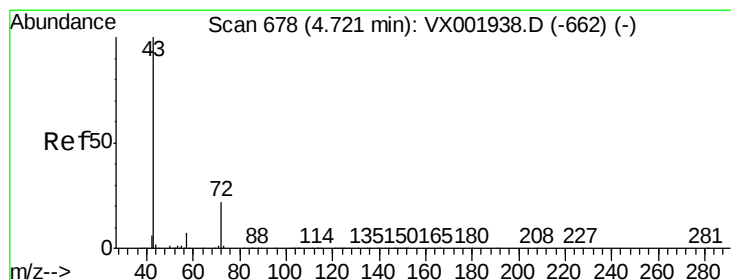
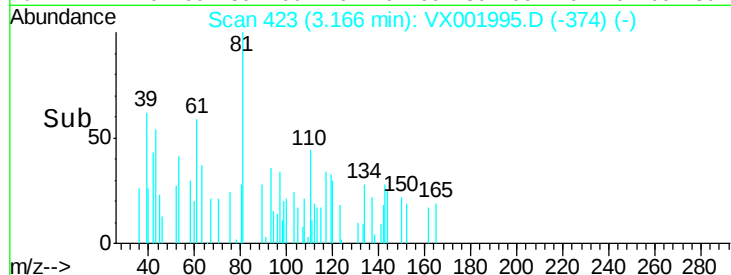
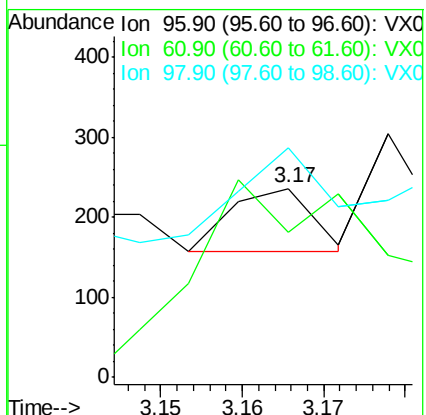
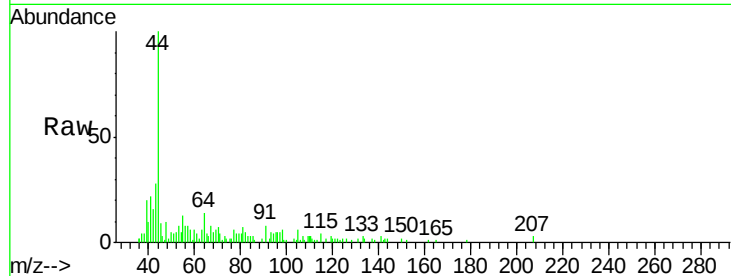
Tgt Ion: 96 Resp: 54

Ion Ratio Lower Upper

96 100

61 80.8 113.3 169.9#

98 139.7 51.7 77.5#



#25

2-Butanone

Concen: 0.79 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001995.D

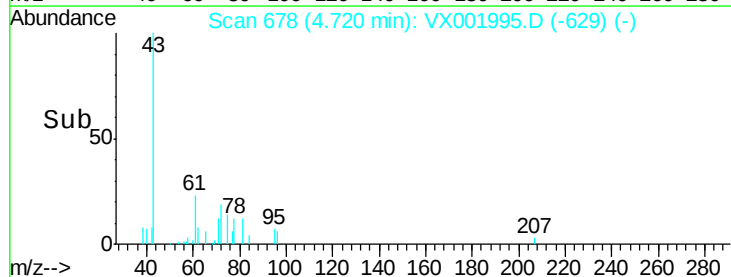
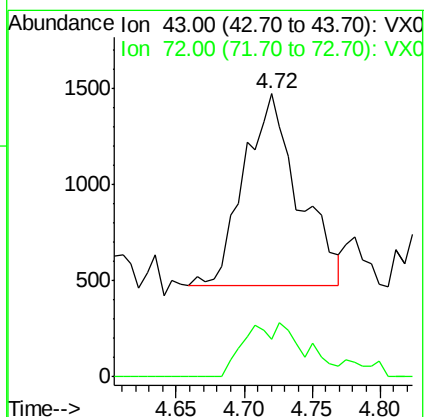
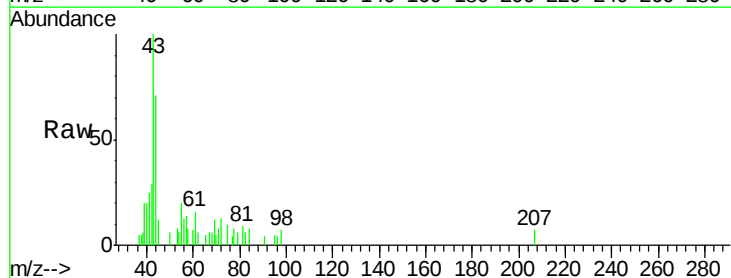
Acq: 26 May 2018 00:09

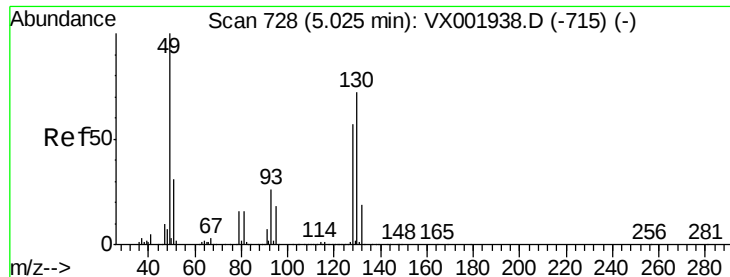
Tgt Ion: 43 Resp: 2817

Ion Ratio Lower Upper

43 100

72 19.5 17.9 26.9





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 724

Delta R.T. -0.02 min

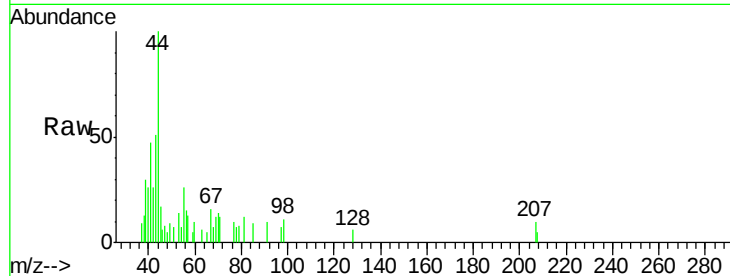
Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 49 Resp: 113

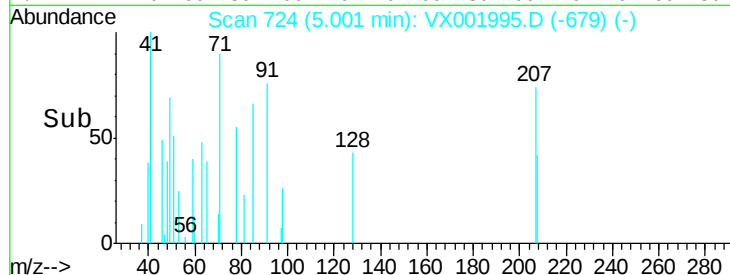
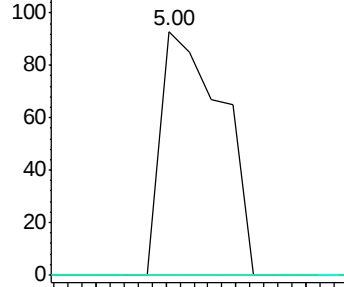
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



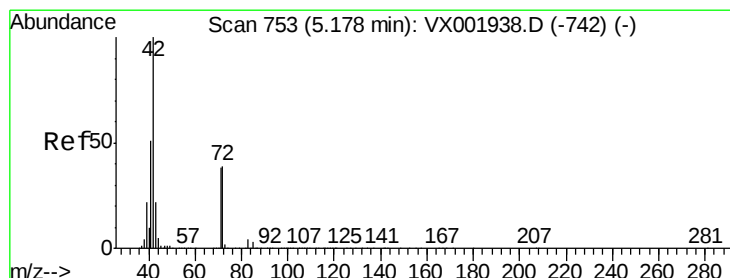
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.18 min Scan# 754

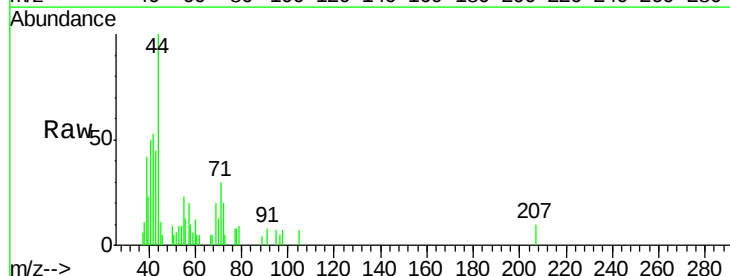
Delta R.T. 0.01 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Tgt Ion: 42 Resp: 1189

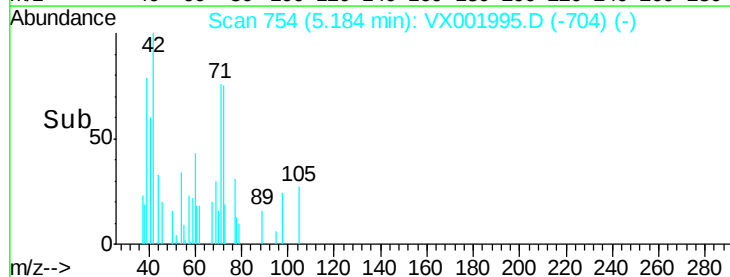
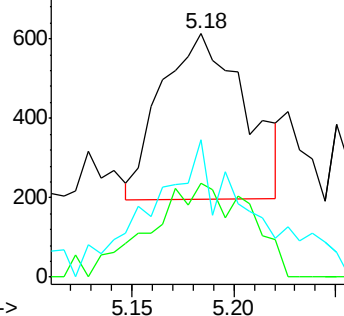
Ion	Ratio	Lower	Upper
42	100		
72	68.1	31.4	47.0#
71	99.2	29.5	44.3#

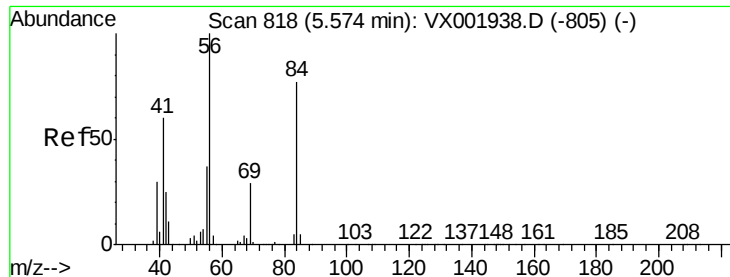


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

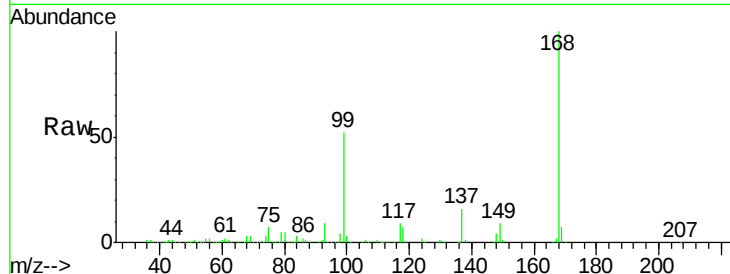




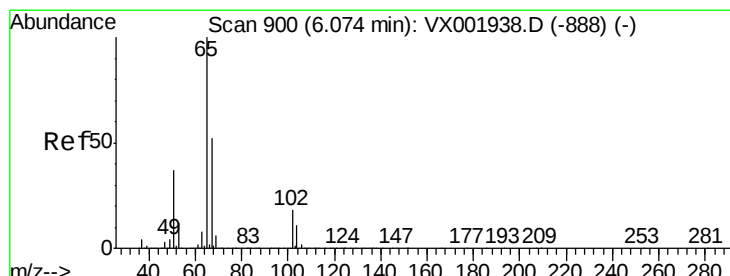
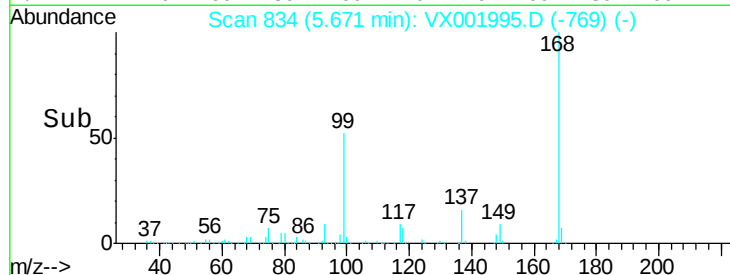
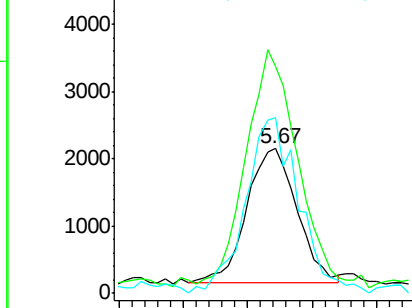
#31
Cyclohexane
Concen: 0.77 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
56	100		
69	159.0	23.1	34.7#
84	131.0	62.0	93.0#

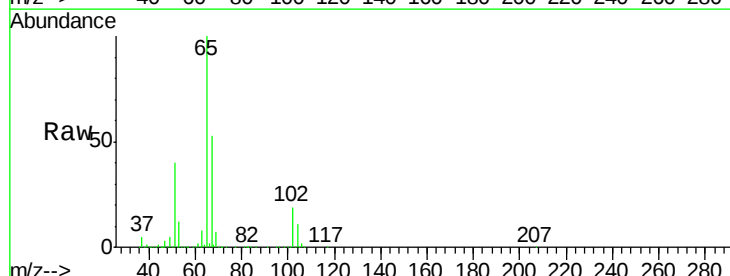


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

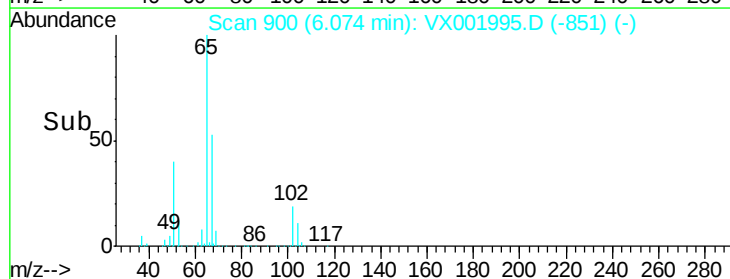
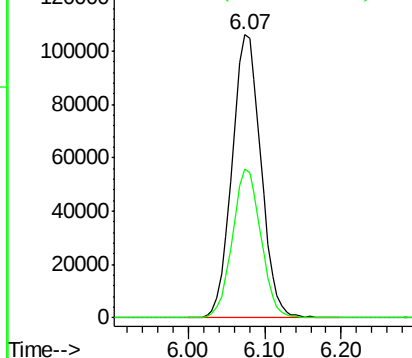


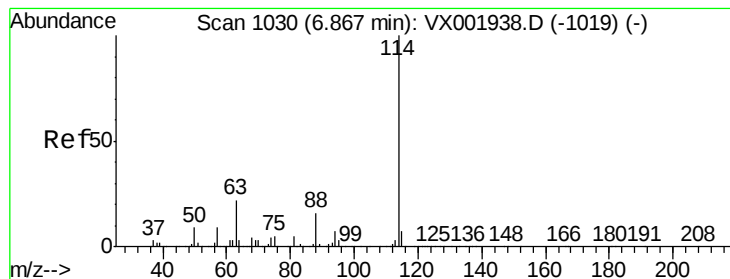
#33
1,2-Dichloroethane-d4
Concen: 55.05 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.3	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: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

BFB

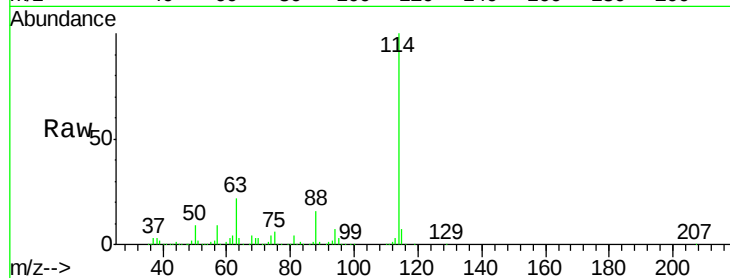
Tgt Ion:114 Resp: 437093

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

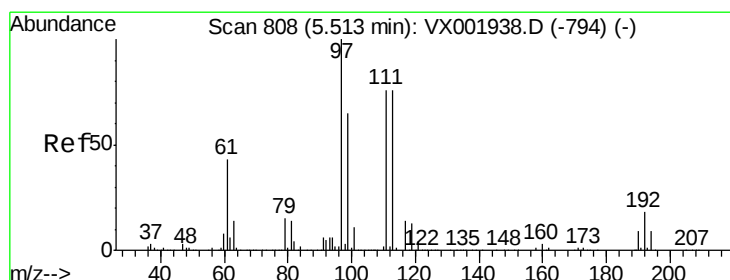
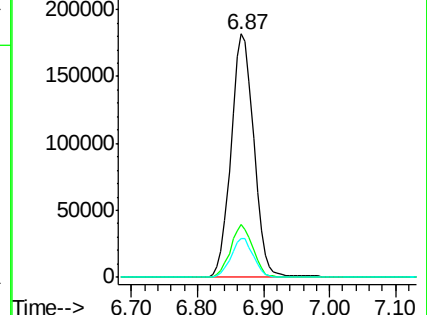
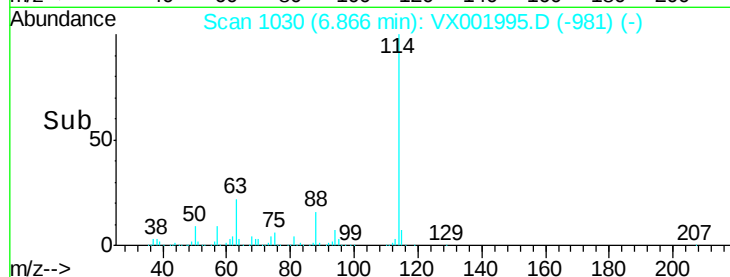
88 15.8 0.0 31.6



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: 48.72 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

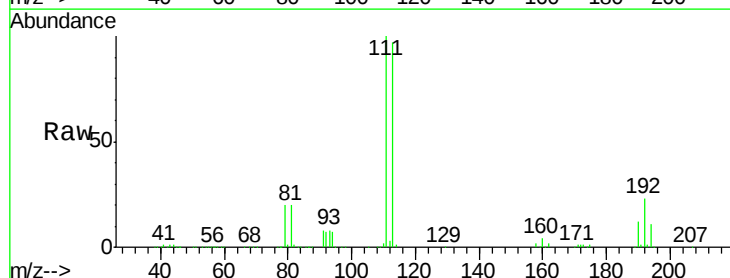
Tgt Ion:113 Resp: 212953

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

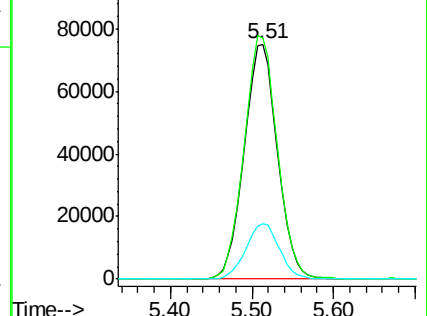
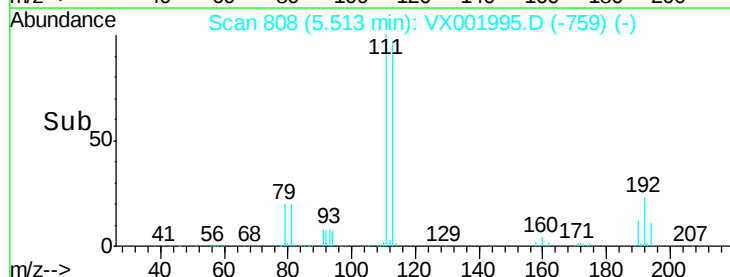
192 23.7 18.9 28.3

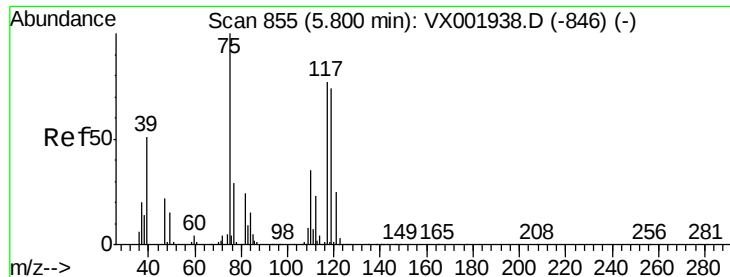


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.22 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampled :

BFB

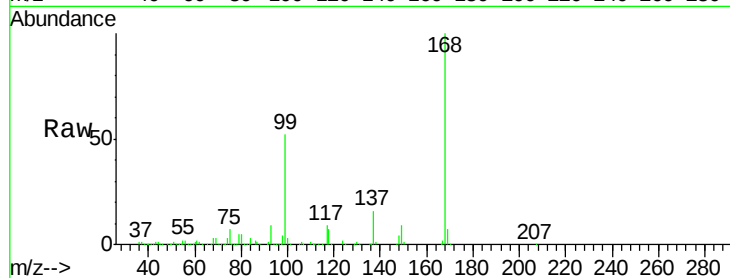
Tgt Ion: 75 Resp: 19555

Ion Ratio Lower Upper

75 100

110 11.6 17.4 52.2#

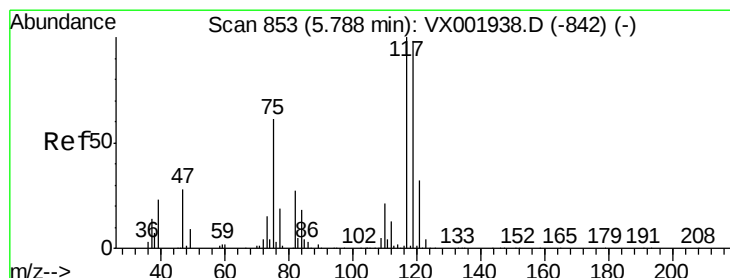
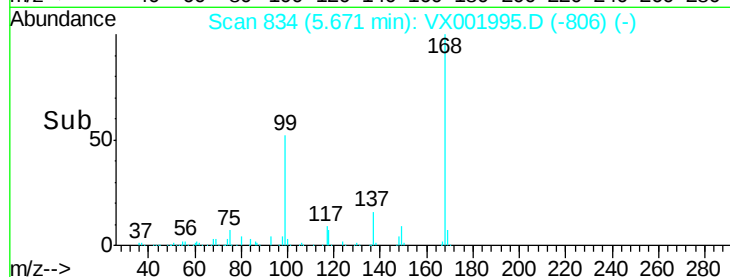
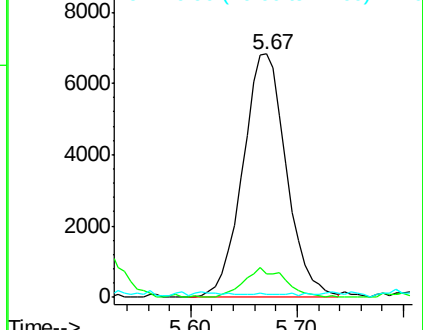
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 3.61 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

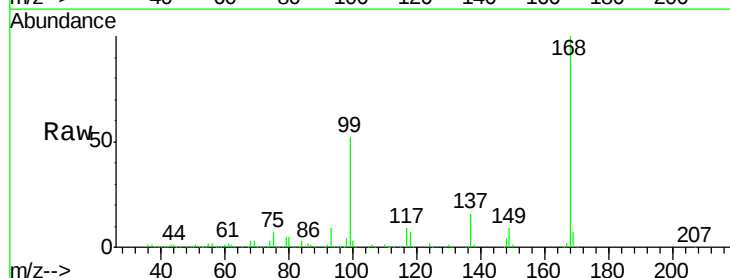
Tgt Ion: 117 Resp: 25615

Ion Ratio Lower Upper

117 100

119 4.1 78.5 117.7#

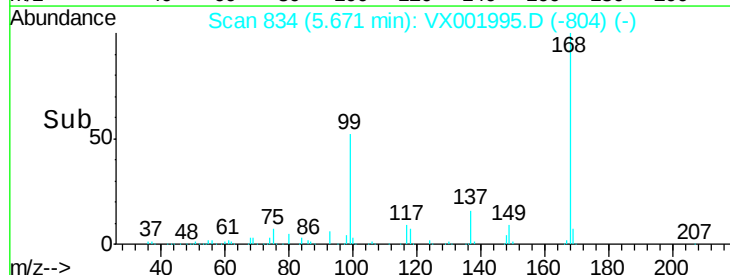
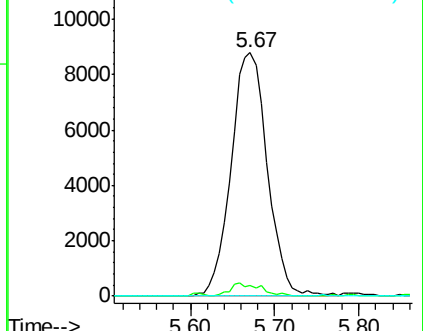
121 0.0 25.5 38.3#

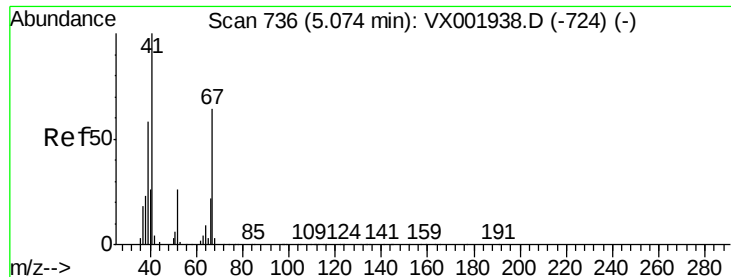


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

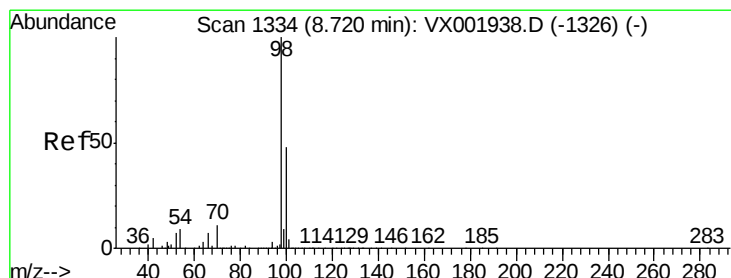
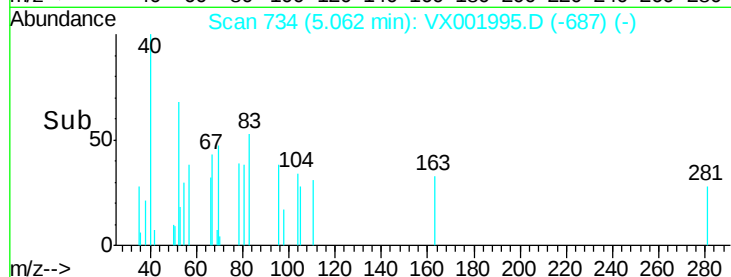
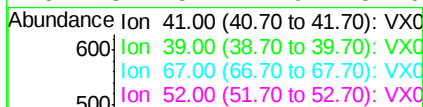
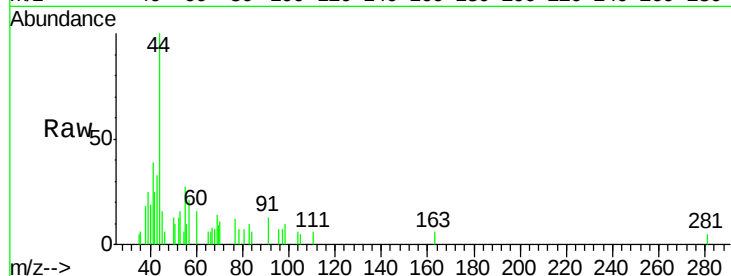
Instrument :

MSVOA_X

ClientSampleId :

BFB

Tgt Ion:	41	Resp:	51
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.0	69.0#
67	0.0	50.6	75.8#
52	372.5	21.9	32.9#



#50

Toluene-d8

Concen: 46.62 ug/l

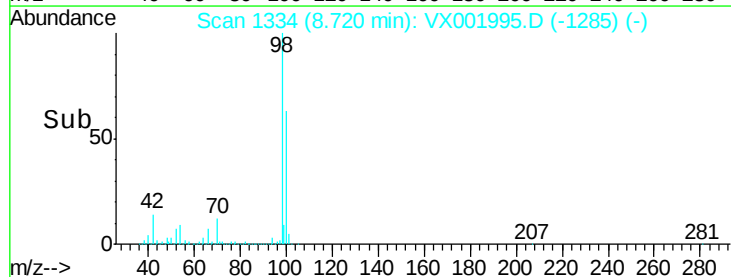
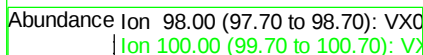
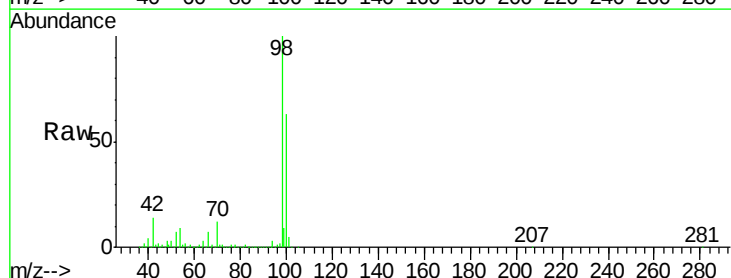
RT: 8.72 min Scan# 1334

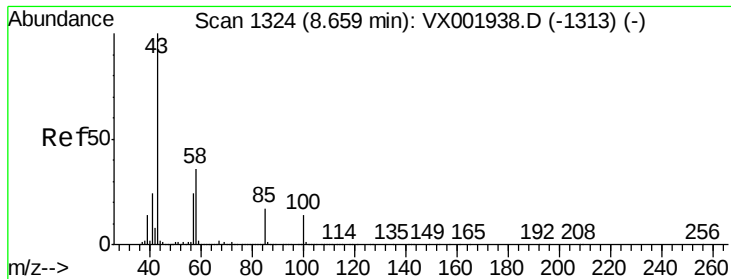
Delta R.T. 0.00 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Tgt Ion:	98	Resp:	737787
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3

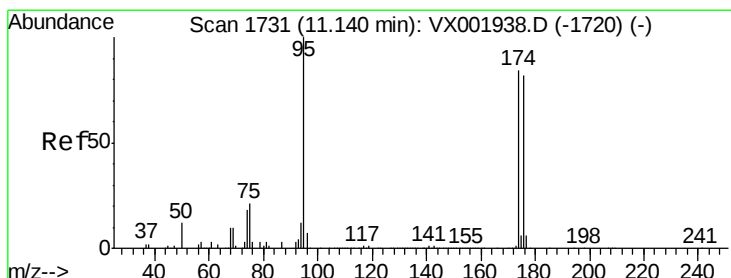
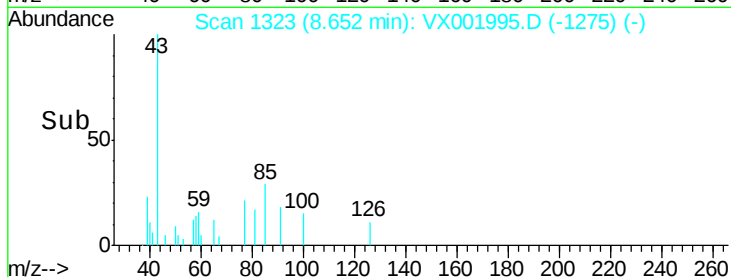
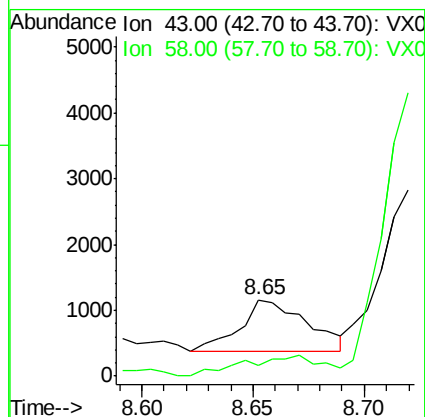
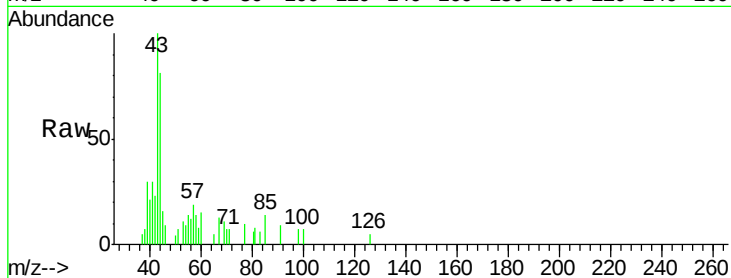




#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

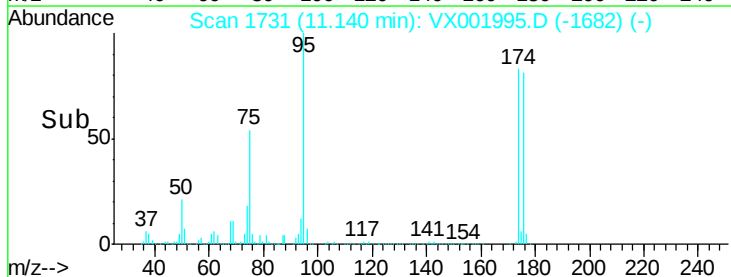
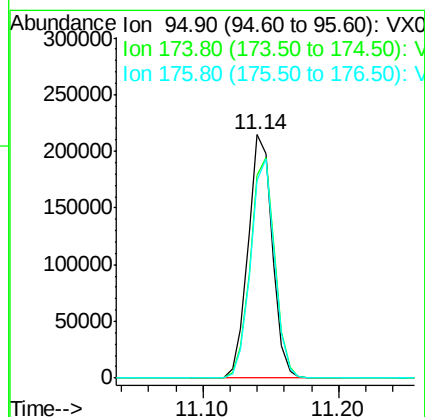
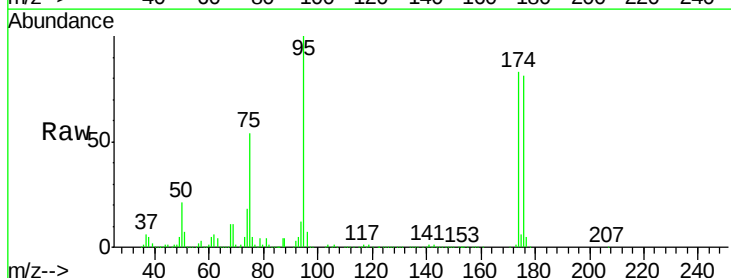
Instrument :
MSVOA_X
ClientSampleId :
BFB

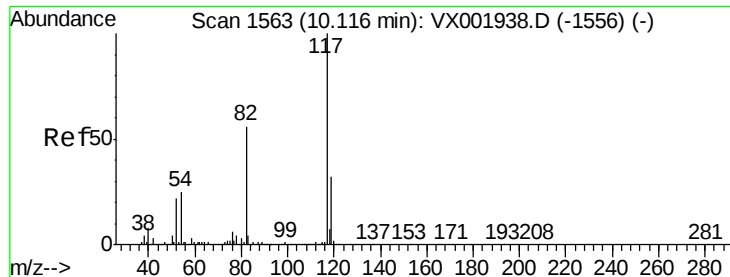
Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
58 44.6 28.5 42.7#



#62
4-Bromofluorobenzene
Concen: 43.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001995.D
Acq: 26 May 2018 00:09

Tgt Ion: 95 Resp: 267819
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.8
176 89.5 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

BFB

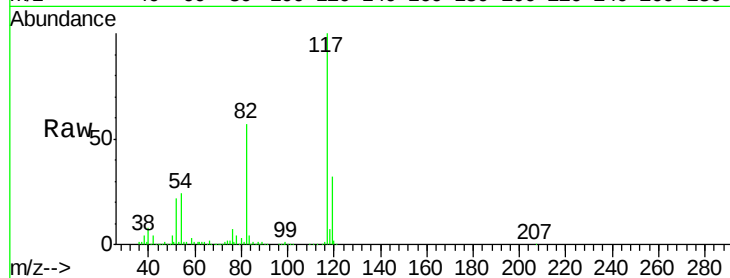
Tgt Ion:117 Resp: 394266

Ion Ratio Lower Upper

117 100

82 57.5 44.8 67.2

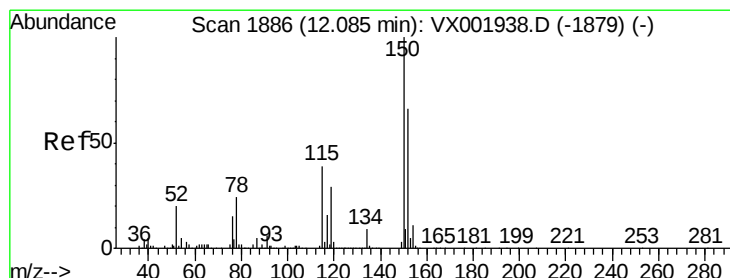
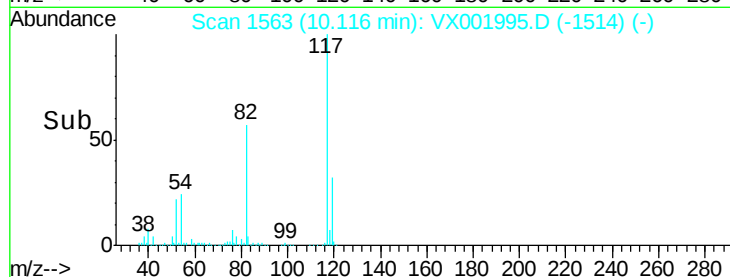
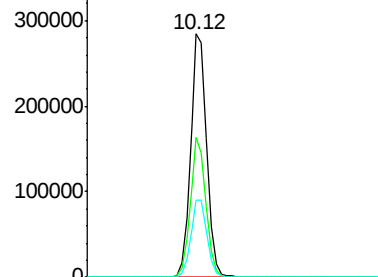
119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

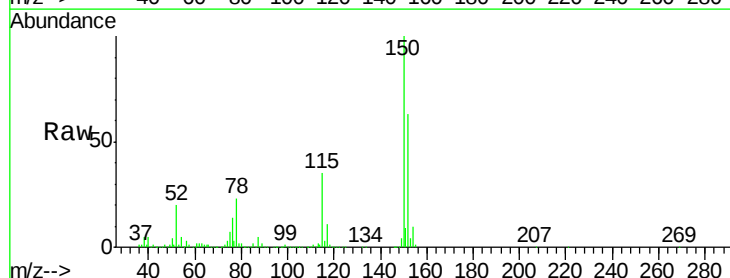
Tgt Ion:152 Resp: 205148

Ion Ratio Lower Upper

152 100

115 56.3 42.3 126.8

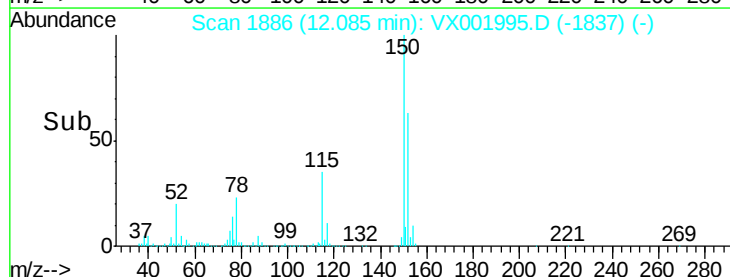
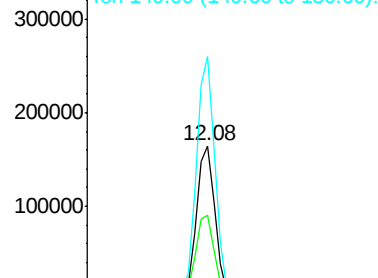
150 157.4 0.0 351.0

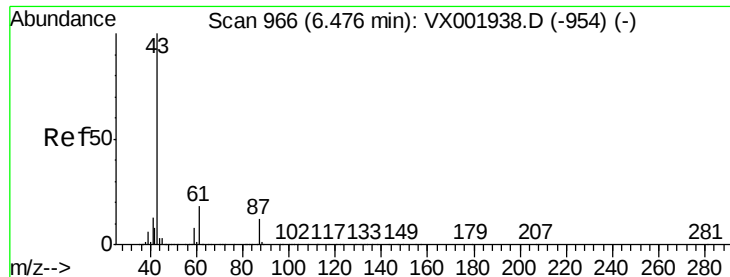


Abundance Ion 151.90 (151.60 to 152.60): V

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: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampled :

BFB

Tgt Ion: 43 Resp: 218

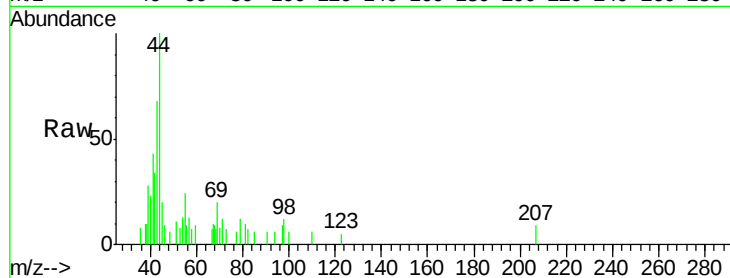
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 0.0 14.5 21.7#

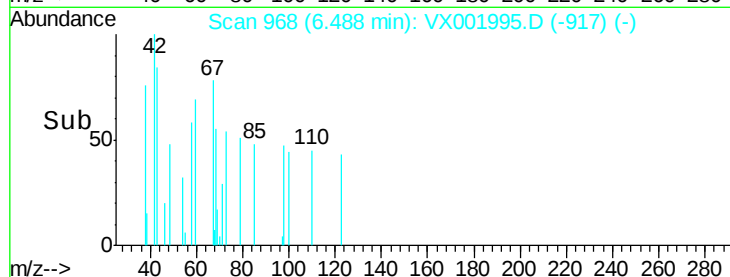
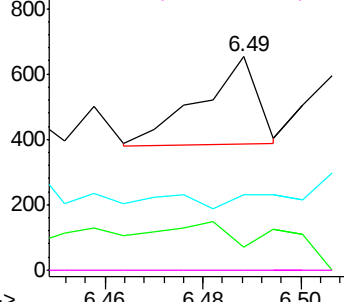


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

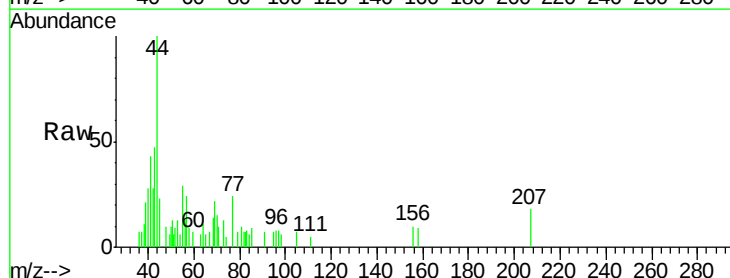
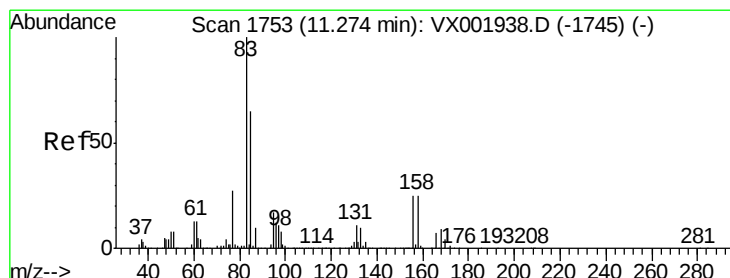
Tgt Ion: 83 Resp: 176

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

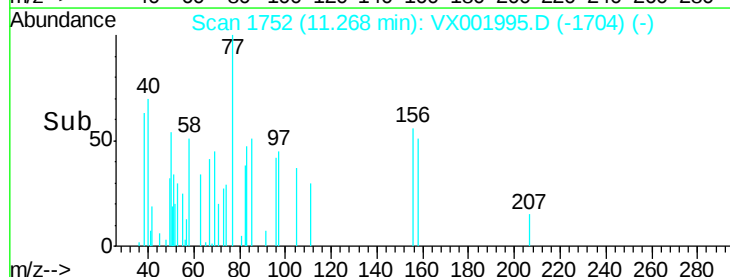
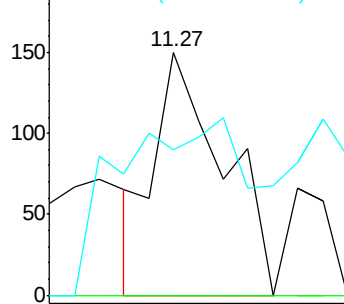
85 143.8 32.6 97.7#

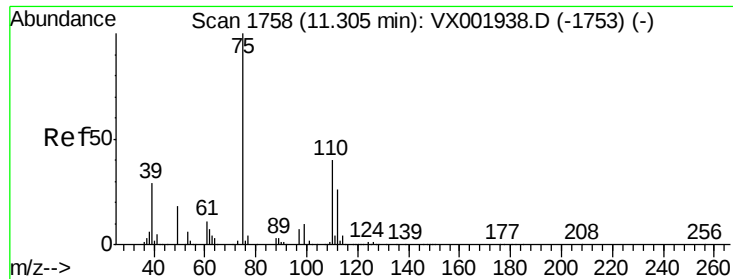


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 28.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.17 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

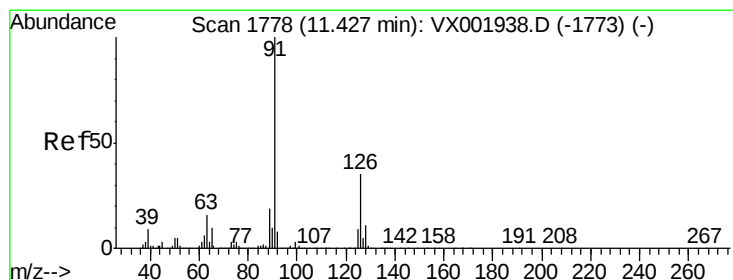
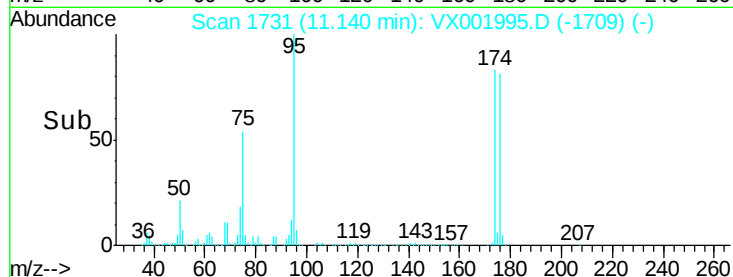
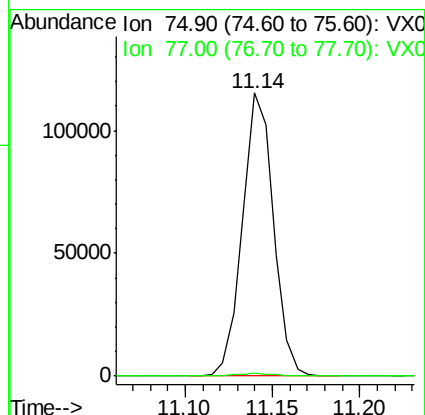
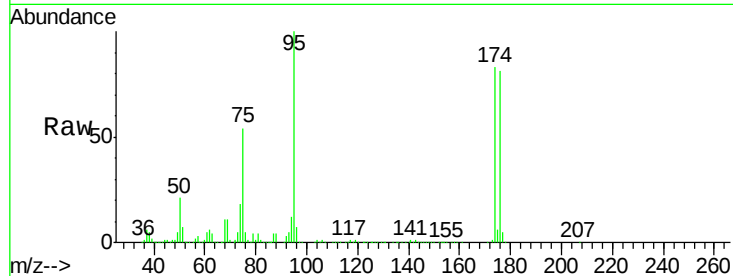
BFB

Tgt Ion: 75 Resp: 141970

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001995.D

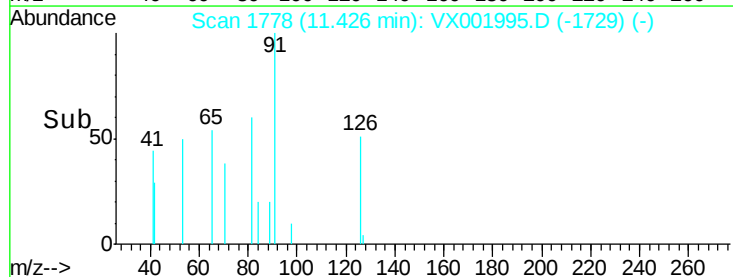
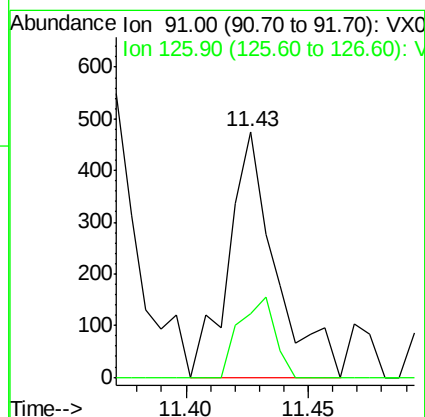
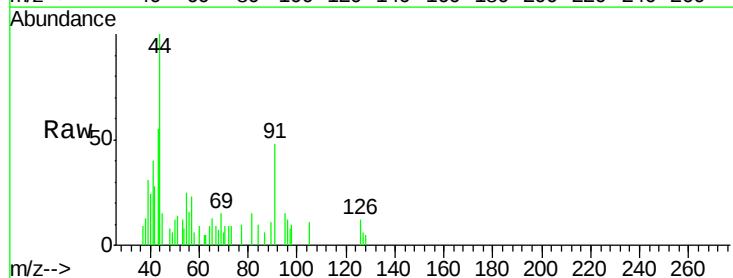
Acq: 26 May 2018 00:09

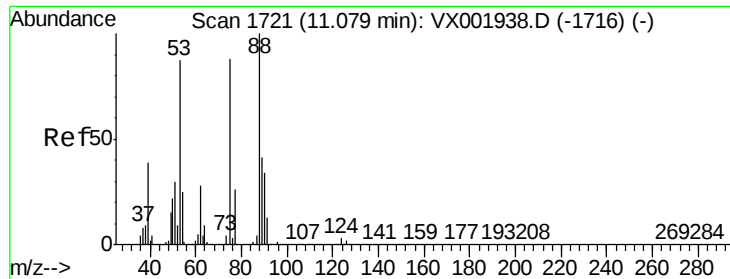
Tgt Ion: 91 Resp: 632

Ion Ratio Lower Upper

91 100

126 24.8 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001995.D

Acq: 26 May 2018 00:09

Instrument :

MSVOA_X

ClientSampleId :

BFB

Tgt Ion: 75 Resp: 141970

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

