

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004079.D
 Acq On : 15 Aug 2018 18:14
 Operator : JC/MD
 Sample : J4473-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180813

Quant Time: Aug 16 05:52:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	419951	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	393829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201737	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	195820	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	5.51	113	160648	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	8.72	98	595800	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
62) 4-Bromofluorobenzene	11.14	95	200025	43.28	ug/l	0.00
Spiked Amount			Recovery	=	86.56%	

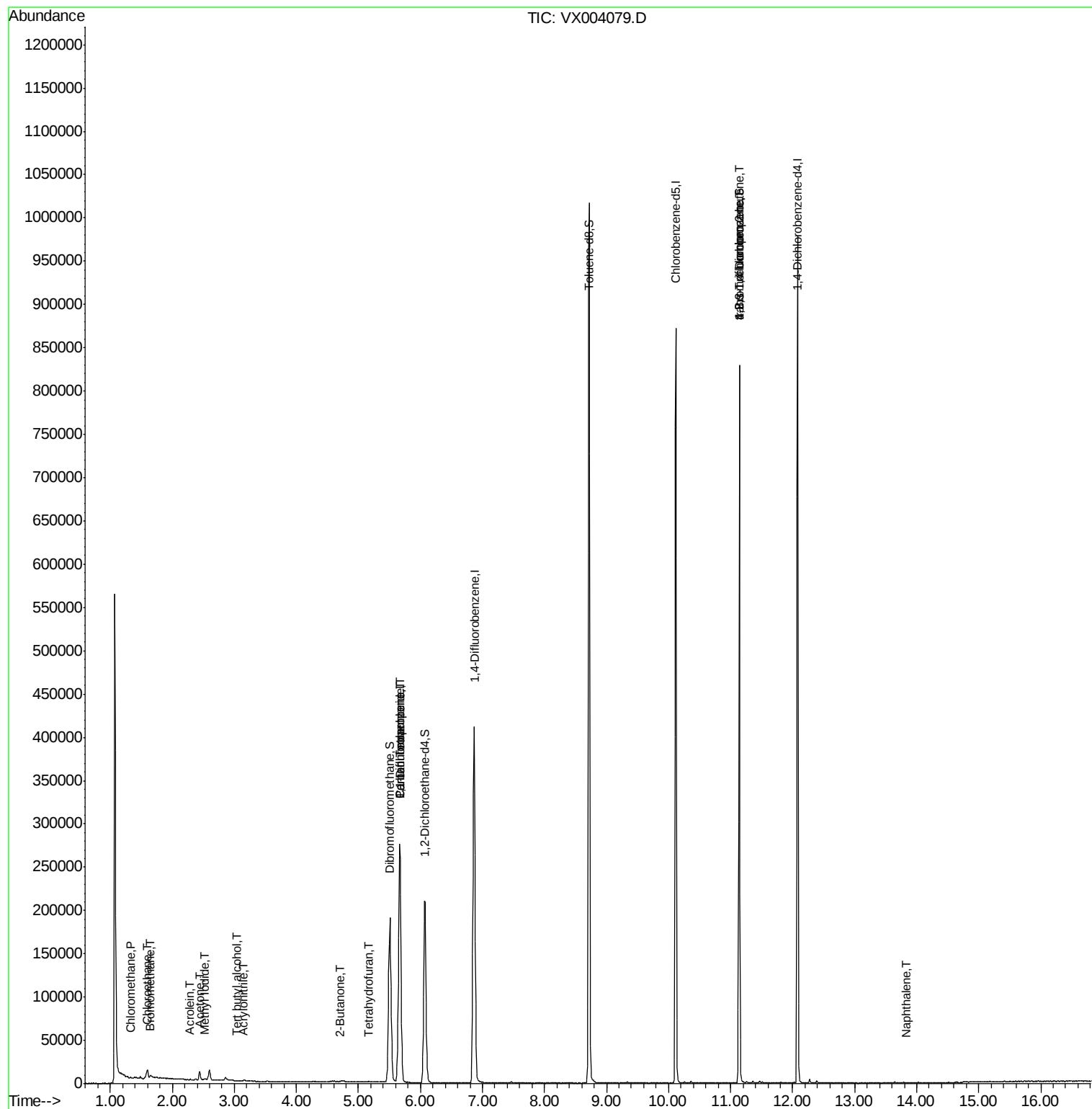
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	812	0.25	ug/l	91
5) Bromomethane	1.65	94	1058	0.41	ug/l	89
6) Chloroethane	1.61	64	5632	0.64	ug/l #	61
10) Methyl Iodide	2.52	142	1174	5.33	ug/l	95
11) Tert butyl alcohol	3.05	59	300	0.38	ug/l #	73
13) Acrolein	2.29	56	113	11.15	ug/l #	77
15) Acrylonitrile	3.14	53	394	0.20	ug/l #	18
16) Acetone	2.44	43	10660	5.27	ug/l	99
20) Methylene Chloride	2.86	84	1409	Below Cal	#	87
25) 2-Butanone	4.70	43	955	0.29	ug/l	91
29) Tetrahydrofuran	5.17	42	1019	0.61	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	19125	4.00	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24898	5.36	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	97890	24.20	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	97890	74.90	ug/l #	9
95) Naphthalene	13.84	128	594	1.19	ug/l #	83

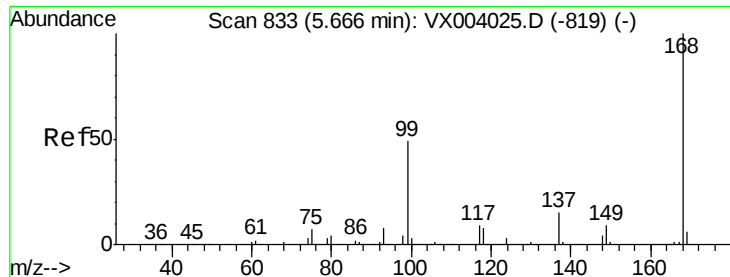
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

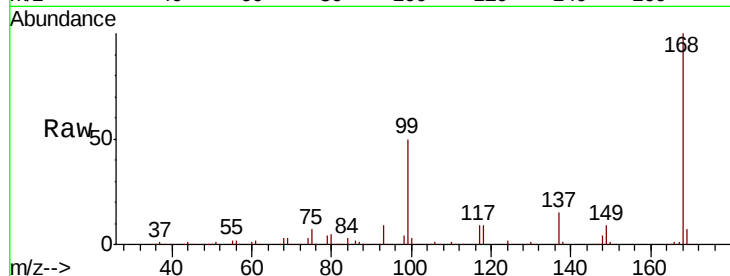
TB-01-180813

Tot Ion:168 Resp: 276286

Ion Ratio Lower Upper

168 100

99 50.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

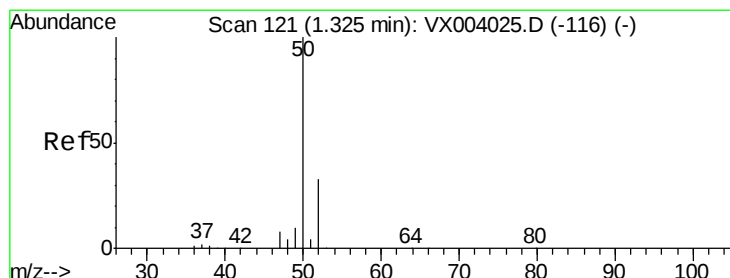
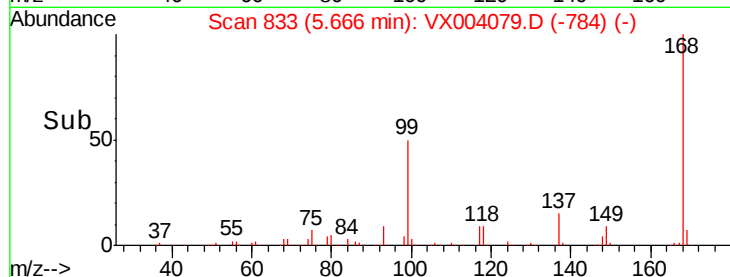
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004079.D

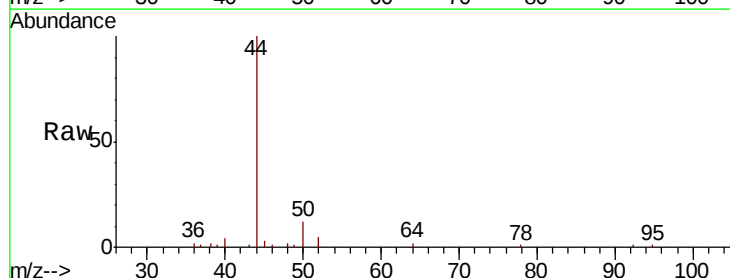
Acq: 15 Aug 2018 18:14

Tgt Ion: 50 Resp: 812

Ion Ratio Lower Upper

50 100

52 38.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

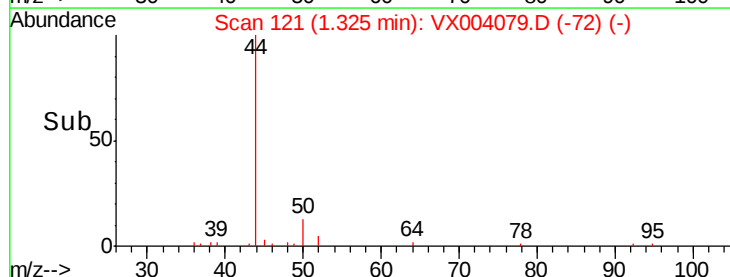
600

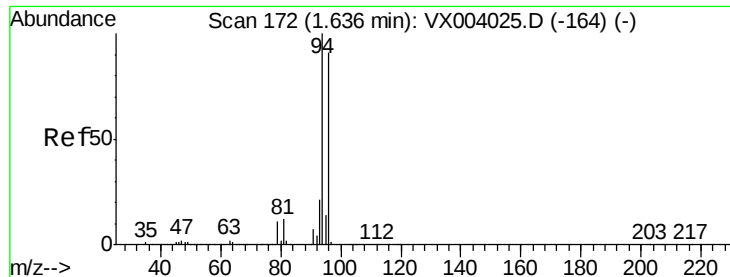
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.41 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

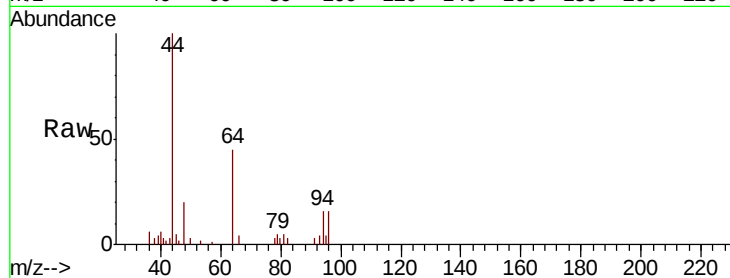
TB-01-180813

Tot Ion: 94 Resp: 1058

Ion Ratio Lower Upper

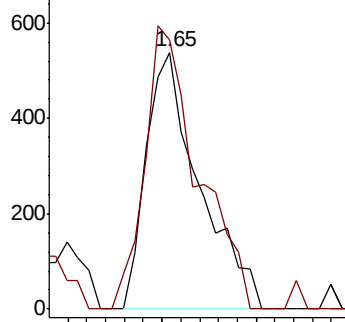
94 100

96 104.8 75.2 112.8

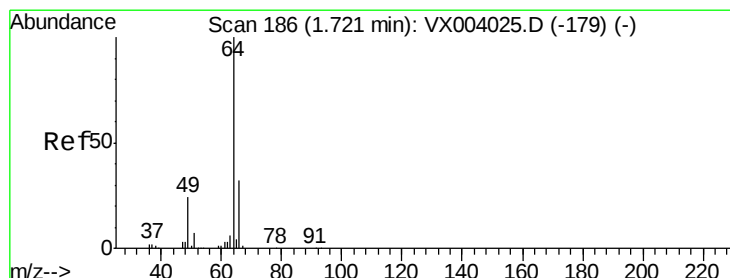
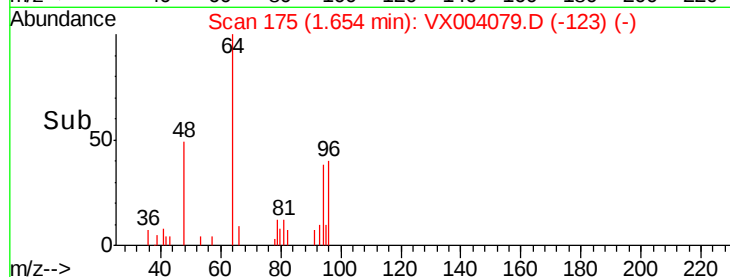


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.64 ug/l

RT: 1.61 min Scan# 167

Delta R.T. -0.12 min

Lab File: VX004079.D

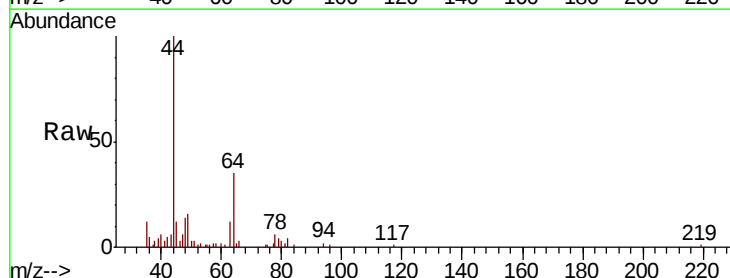
Acq: 15 Aug 2018 18:14

Tgt Ion: 64 Resp: 5632

Ion Ratio Lower Upper

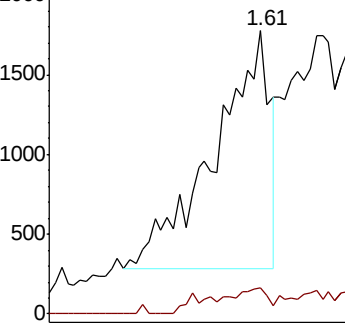
64 100

66 10.9 26.5 39.7#

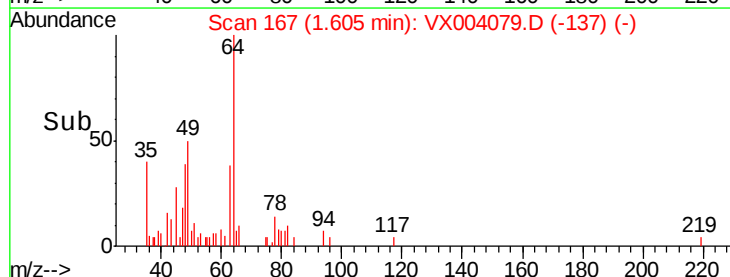


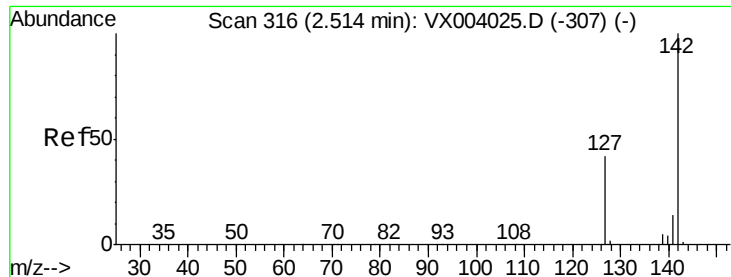
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

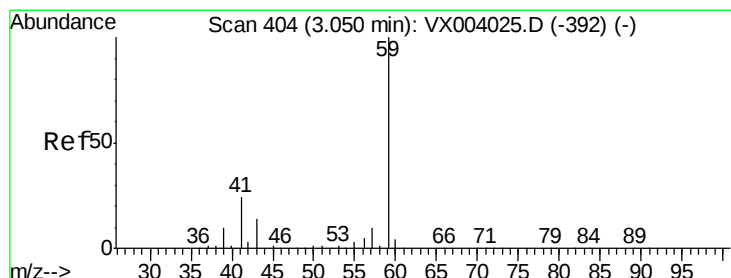
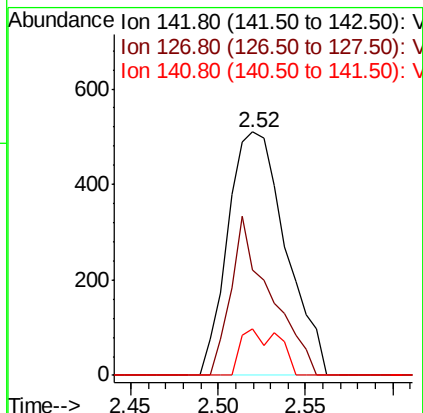
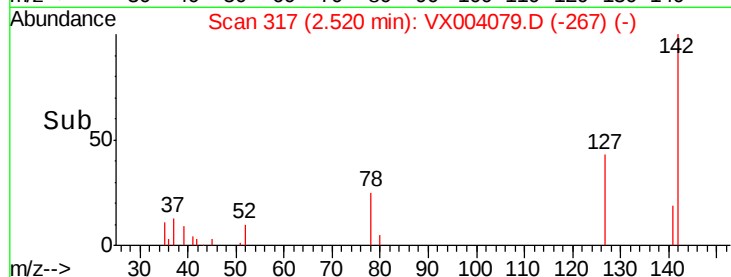
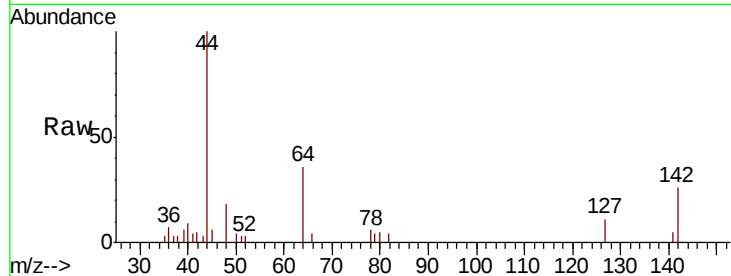




#10
Methyl Iodide
Concen: 5.33 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004079.D
Acq: 15 Aug 2018 18:14

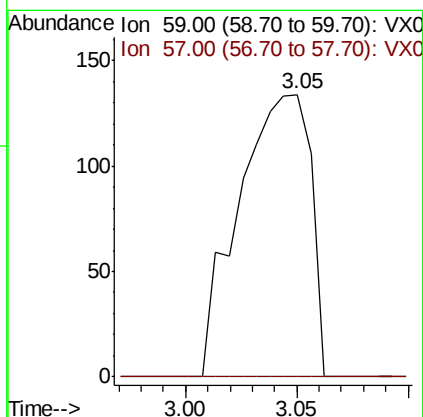
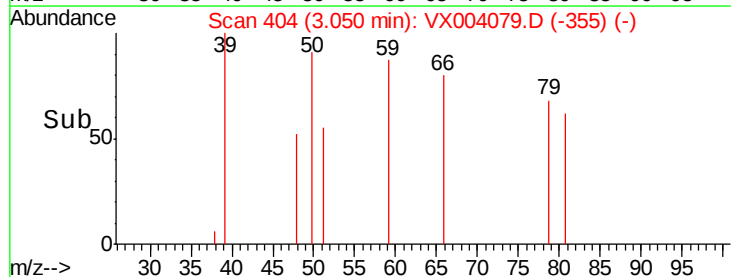
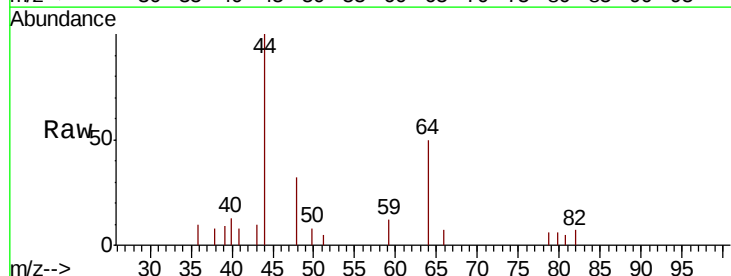
Instrument :
MSVOA_X
ClientSampled :
TB-01-180813

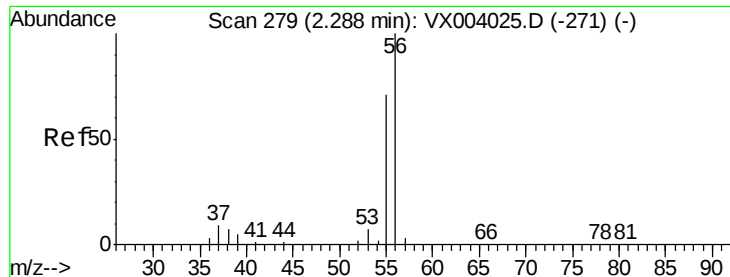
Tot Ion:142 Resp: 1174
Ion Ratio Lower Upper
142 100
127 44.7 33.1 49.7
141 12.7 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.38 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.00 min
Lab File: VX004079.D
Acq: 15 Aug 2018 18:14

Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 11.15 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

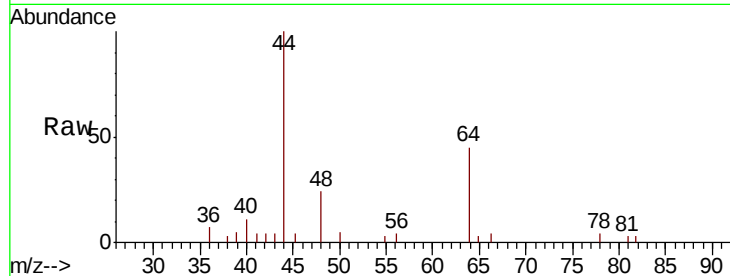
TB-01-180813

Tot Ion: 56 Resp: 113

Ion Ratio Lower Upper

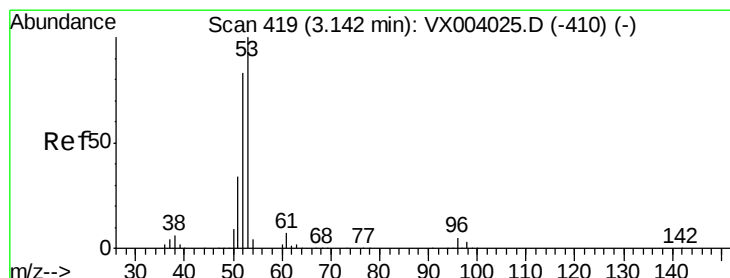
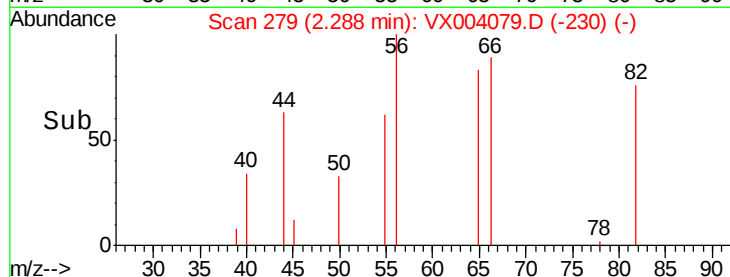
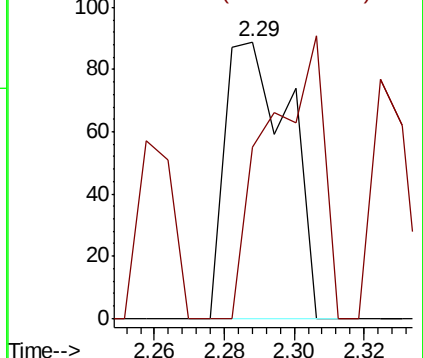
56 100

55 89.4 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.20 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

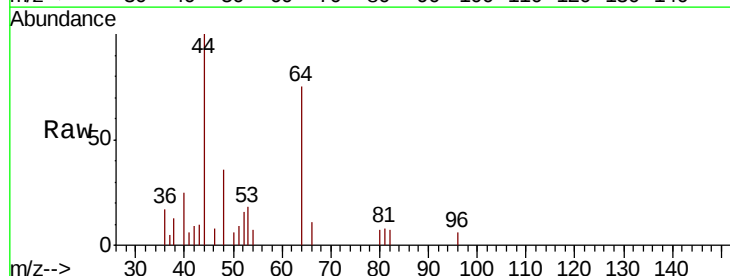
Tgt Ion: 53 Resp: 394

Ion Ratio Lower Upper

53 100

52 0.0 65.3 97.9#

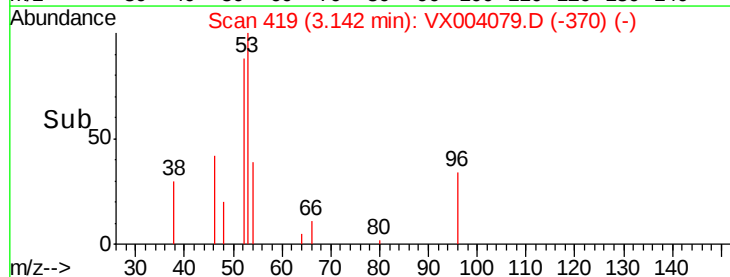
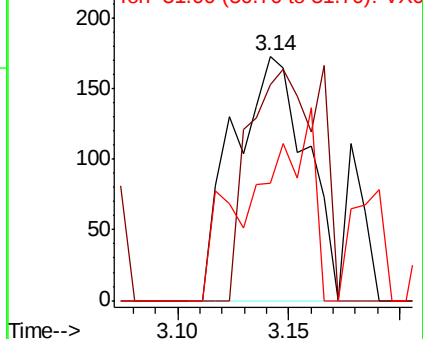
51 0.0 27.9 41.9#

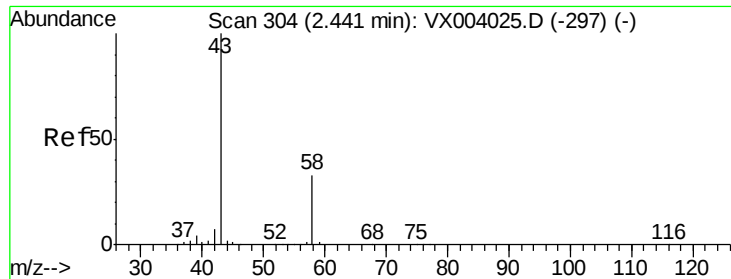


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 5.27 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

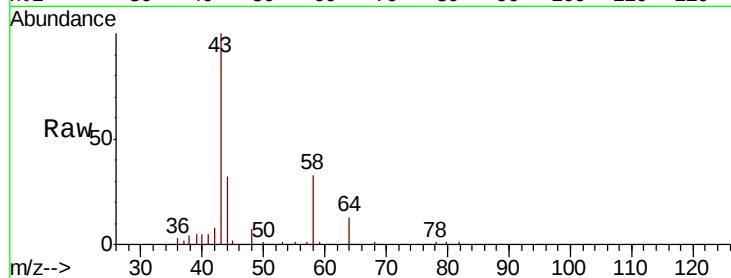
TB-01-180813

Tot Ion: 43 Resp: 10660

Ion Ratio Lower Upper

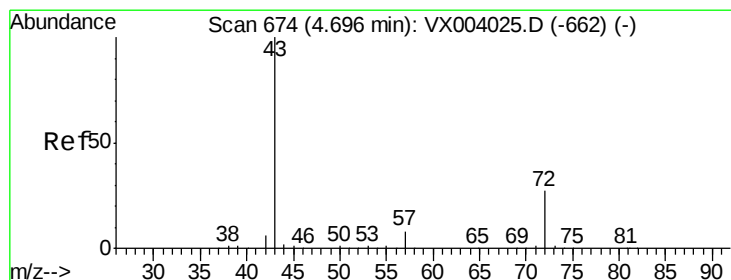
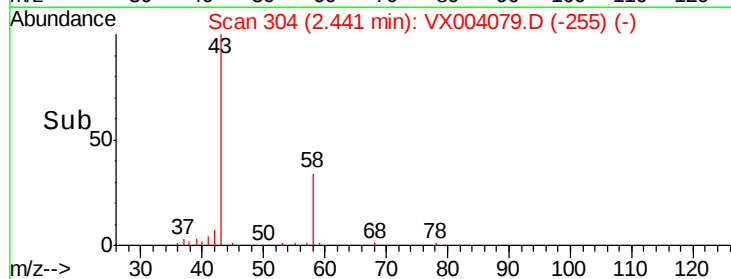
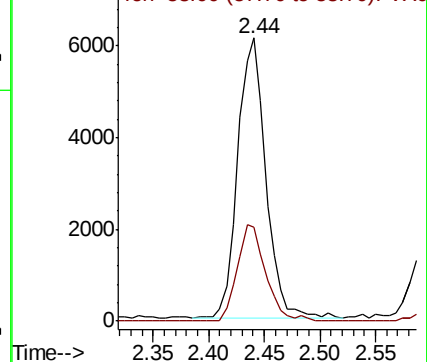
43 100

58 33.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.29 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004079.D

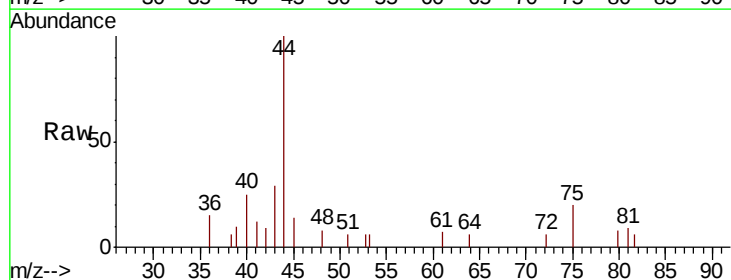
Acq: 15 Aug 2018 18:14

Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

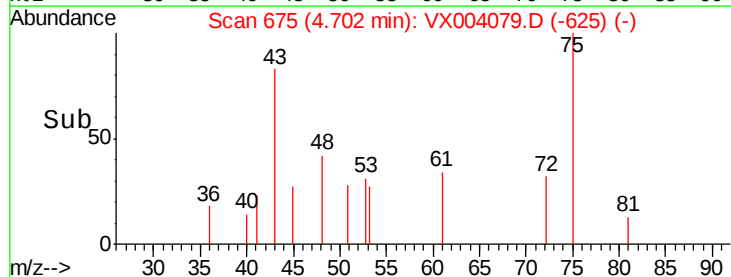
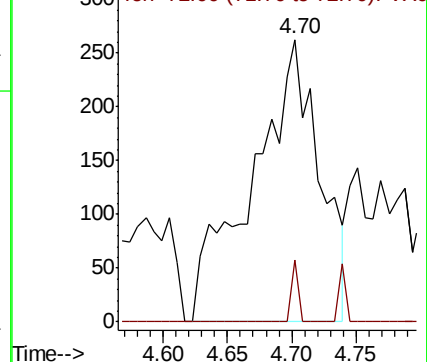
43 100

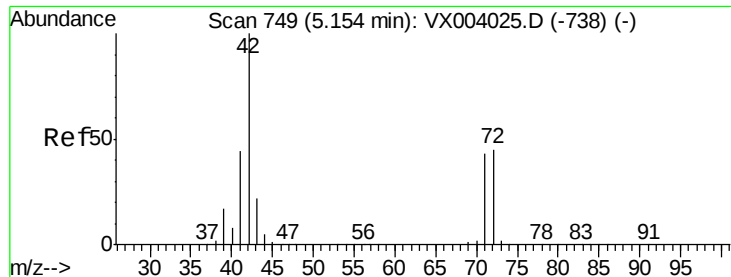
72 22.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.02 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180813

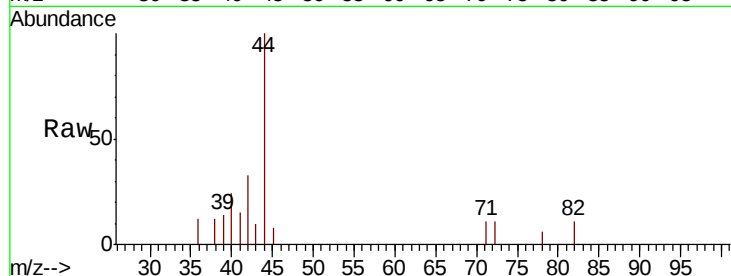
Tot Ion: 42 Resp: 1019

Ion Ratio Lower Upper

42 100

72 27.7 37.7 56.5#

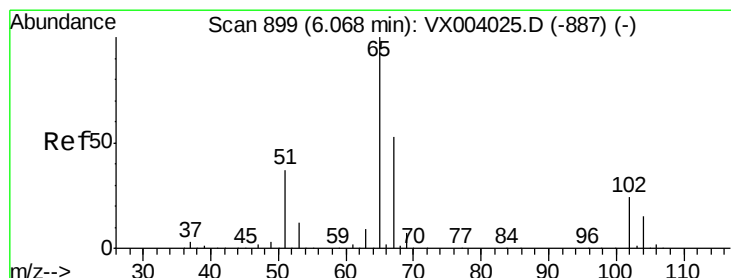
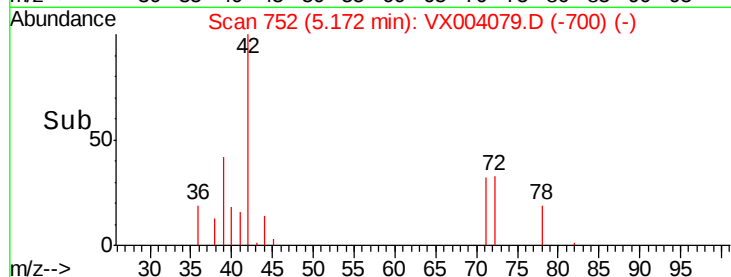
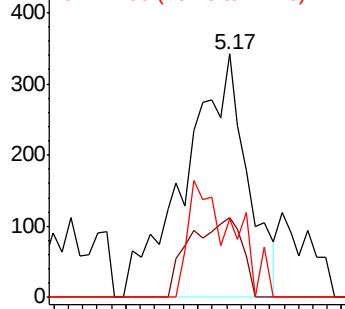
71 0.0 35.0 52.6#



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



#33

1,2-Dichloroethane-d4

Concen: 50.30 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004079.D

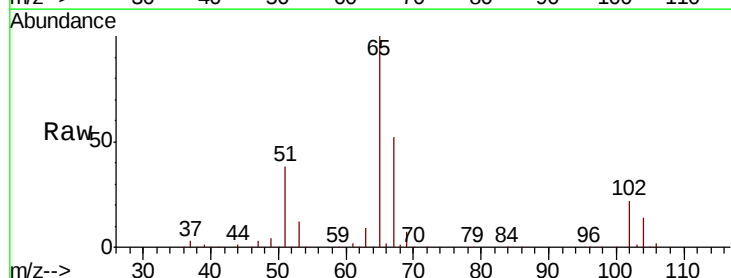
Acq: 15 Aug 2018 18:14

Tgt Ion: 65 Resp: 195820

Ion Ratio Lower Upper

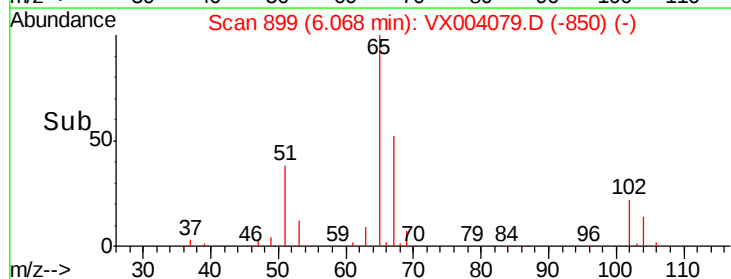
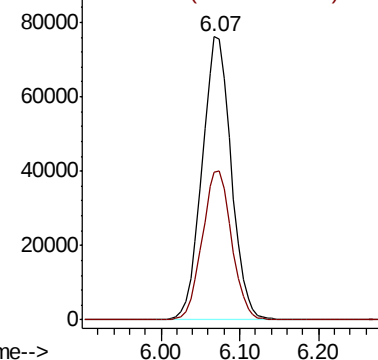
65 100

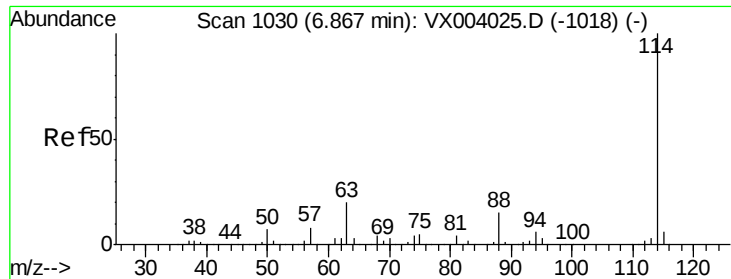
67 53.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

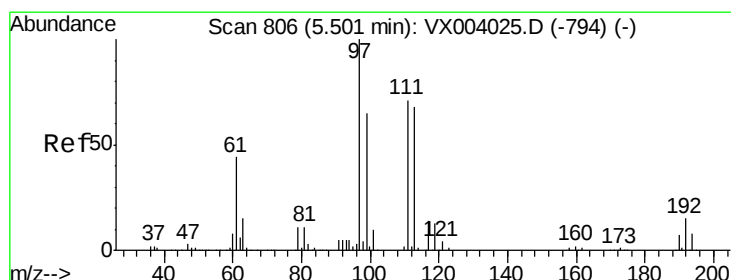
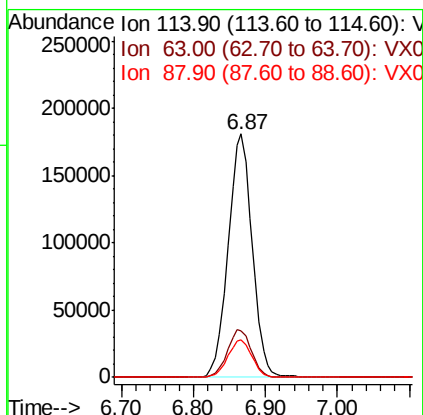
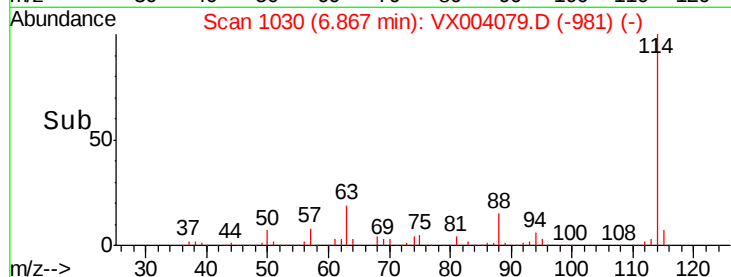
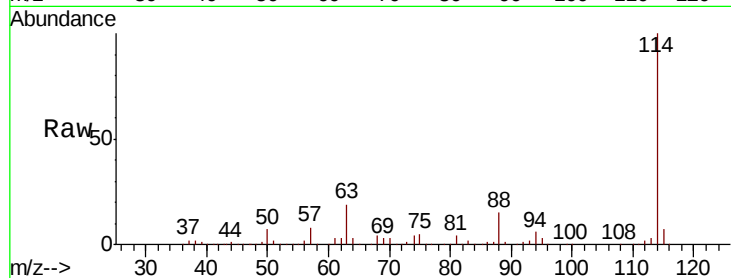




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004079.D
 Acq: 15 Aug 2018 18:14

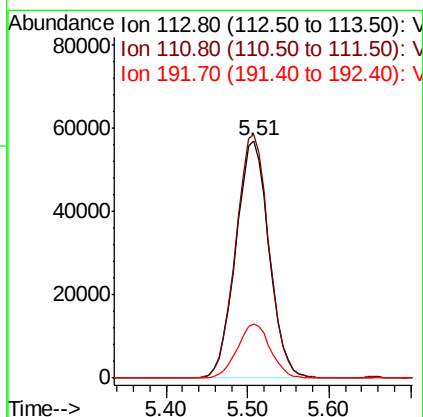
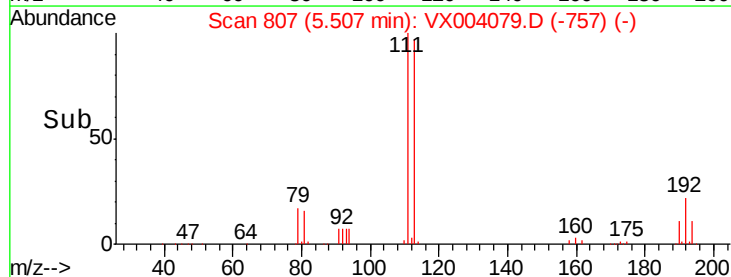
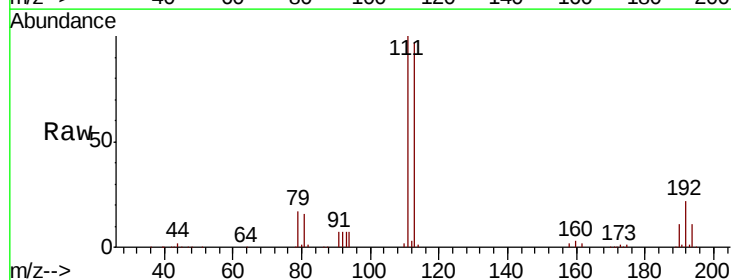
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180813

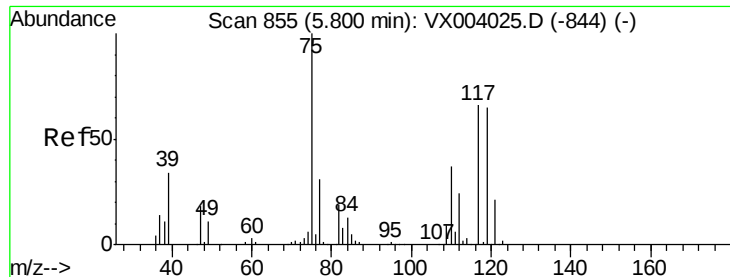
Tot Ion:114 Resp: 419951
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 51.11 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004079.D
 Acq: 15 Aug 2018 18:14

Tgt Ion:113 Resp: 160648
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 22.7 19.0 28.4

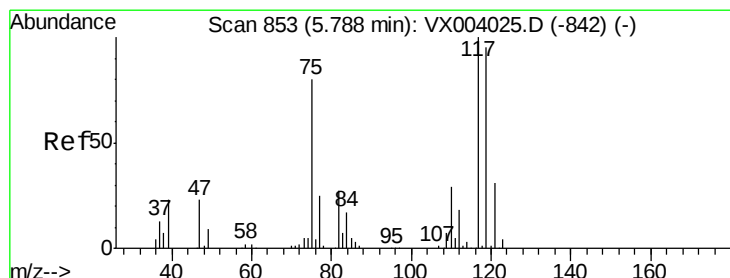
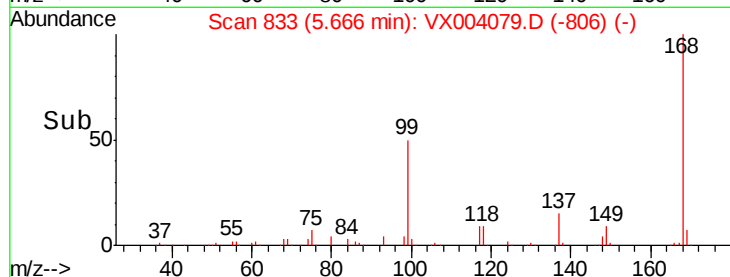
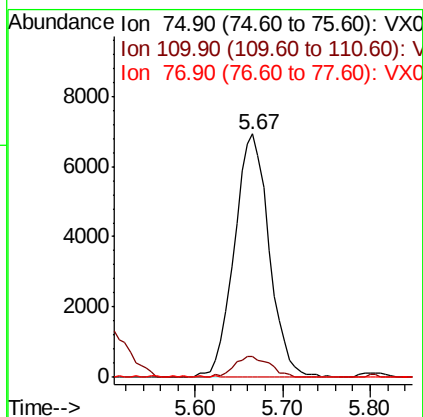
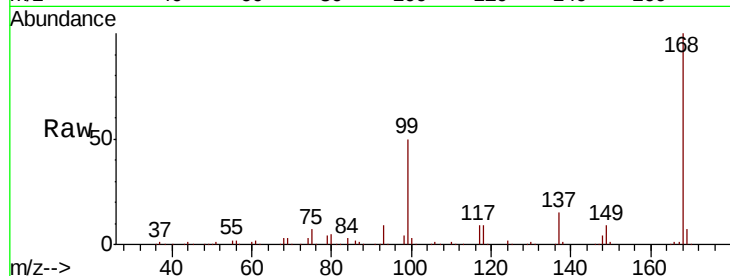




#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004079.D
 Acq: 15 Aug 2018 18:14

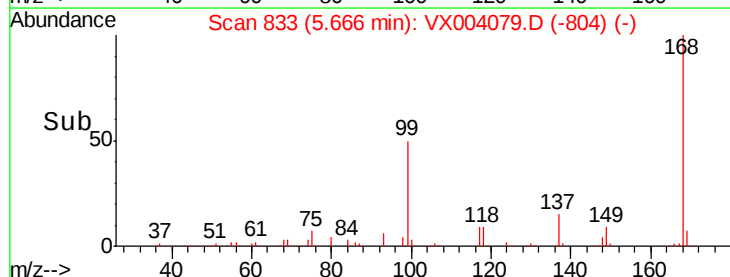
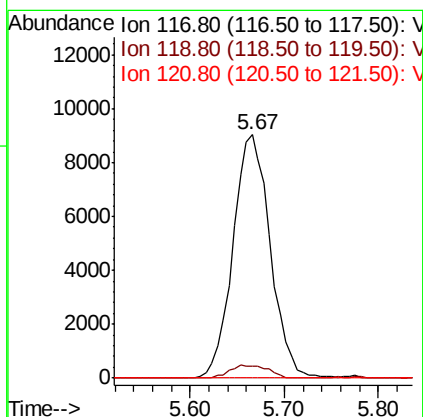
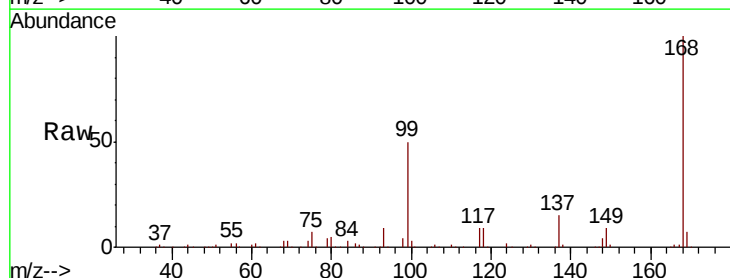
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180813

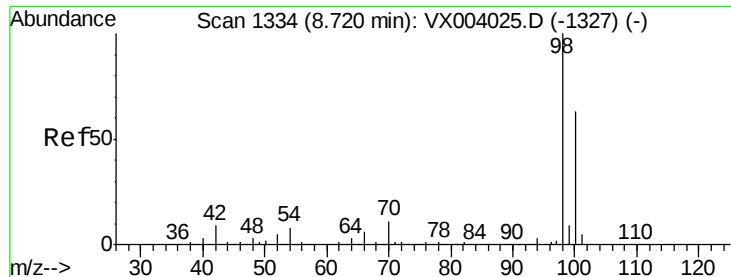
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.36 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX004079.D
 Acq: 15 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	79.5	119.3#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 46.75 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

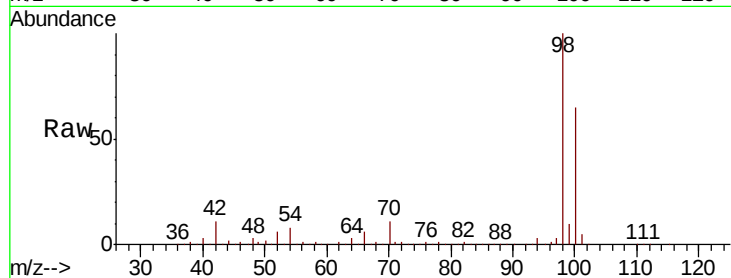
TB-01-180813

Tot Ion: 98 Resp: 595800

Ion Ratio Lower Upper

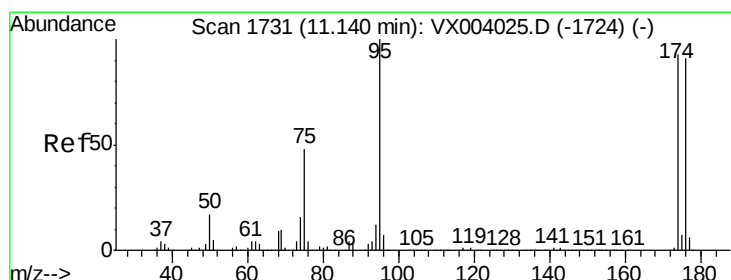
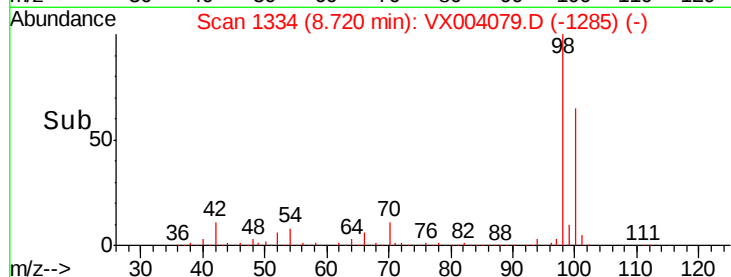
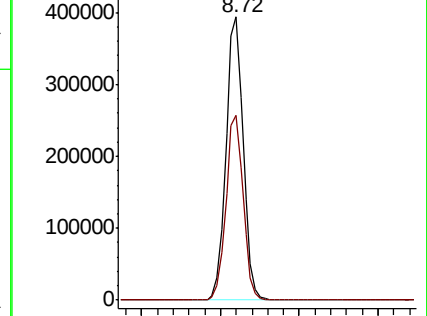
98 100

100 65.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

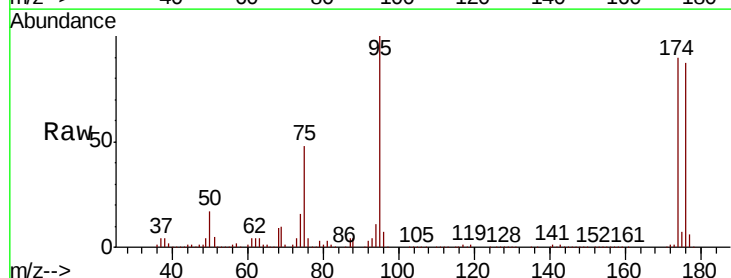
Tgt Ion: 95 Resp: 200025

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

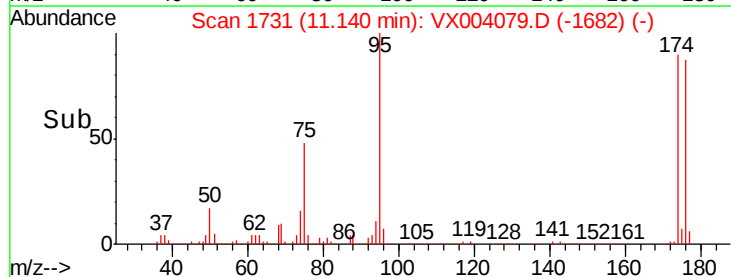
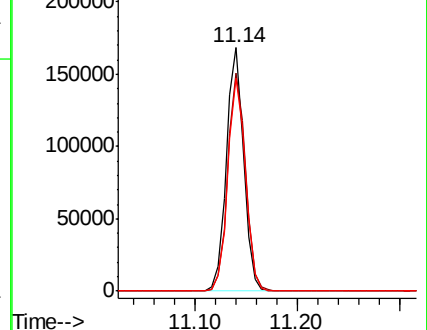
176 88.8 0.0 179.0

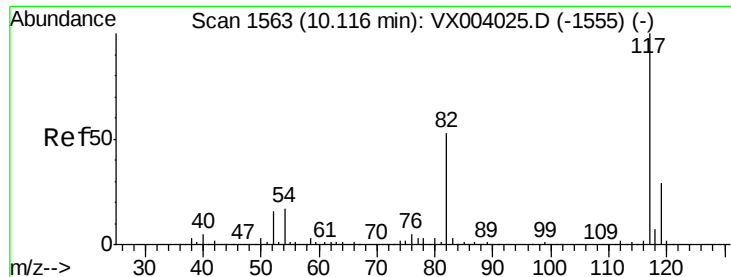


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180813

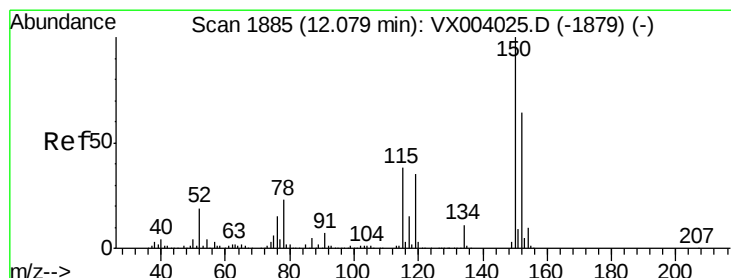
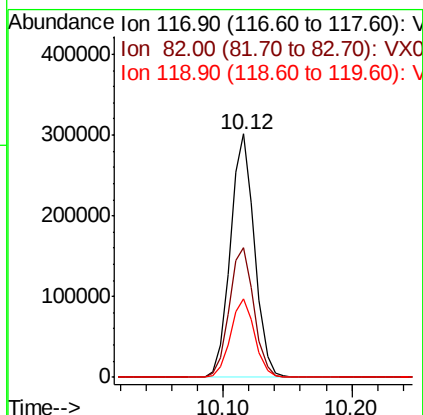
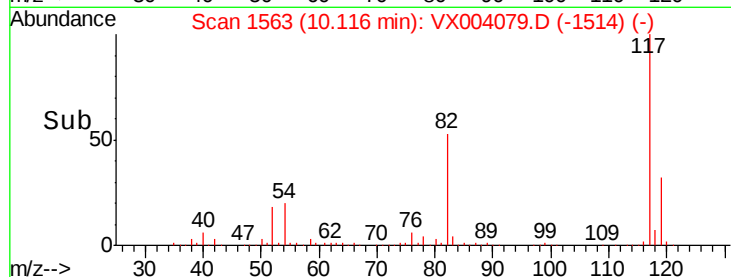
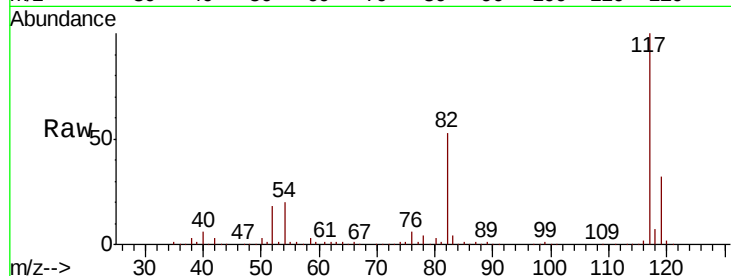
Tot Ion:117 Resp: 393829

Ion Ratio Lower Upper

117 100

82 53.4 45.4 68.0

119 32.2 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004079.D

Acq: 15 Aug 2018 18:14

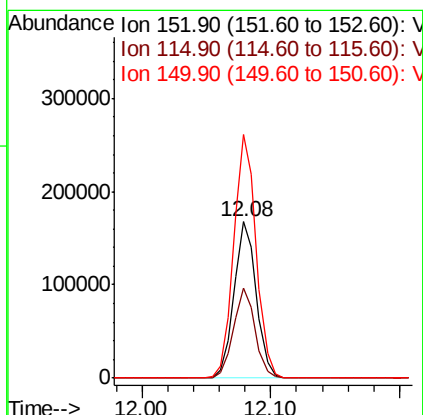
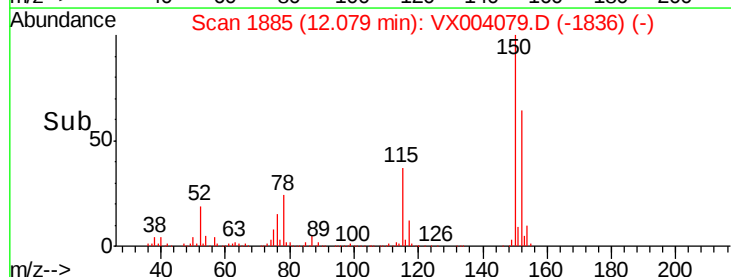
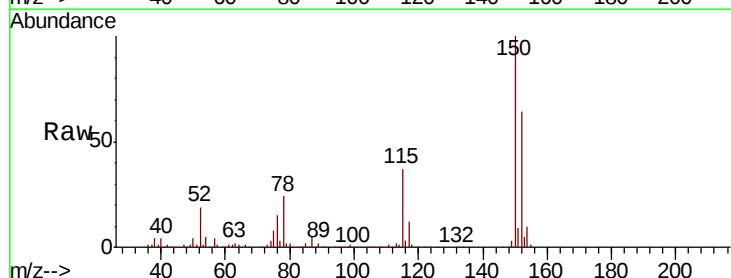
Tgt Ion:152 Resp: 201737

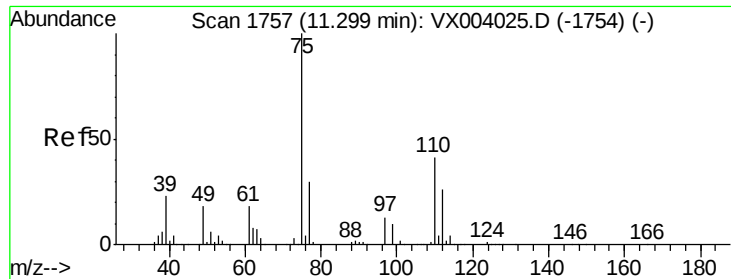
Ion Ratio Lower Upper

152 100

115 55.8 39.1 117.3

150 157.0 0.0 349.2

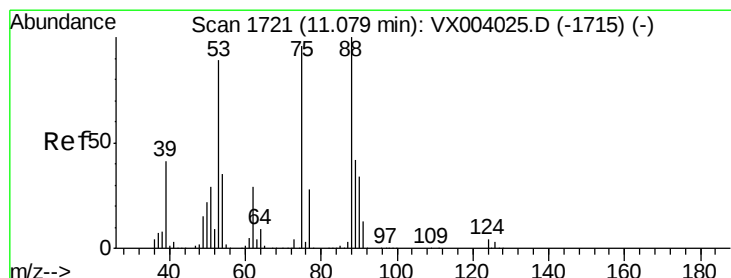
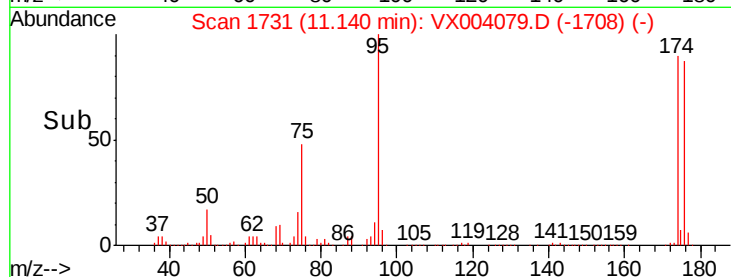
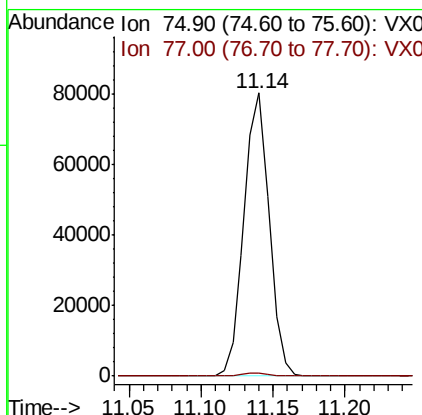
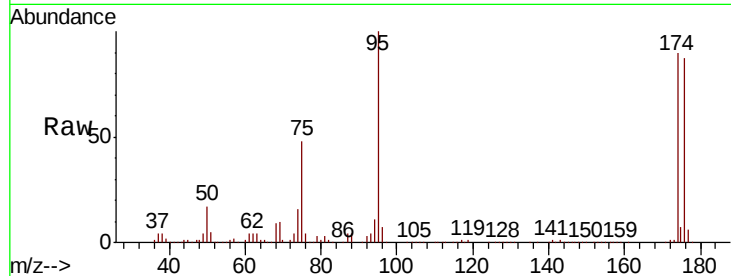




#76
 1,2,3-Trichloropropane
 Concen: 24.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004079.D
 Acq: 15 Aug 2018 18:14

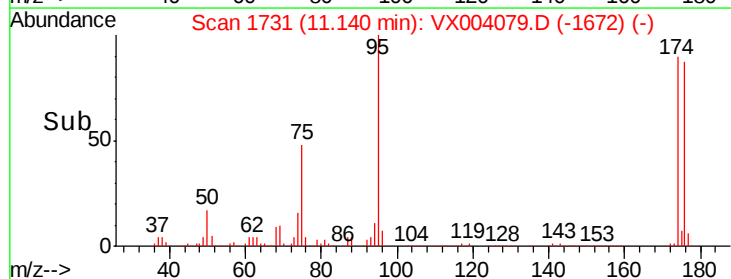
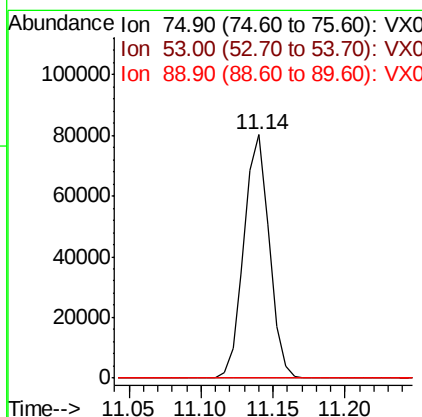
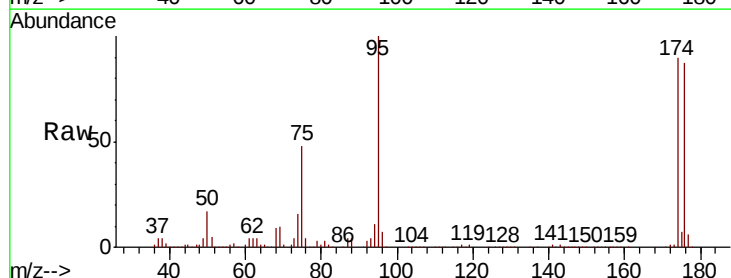
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180813

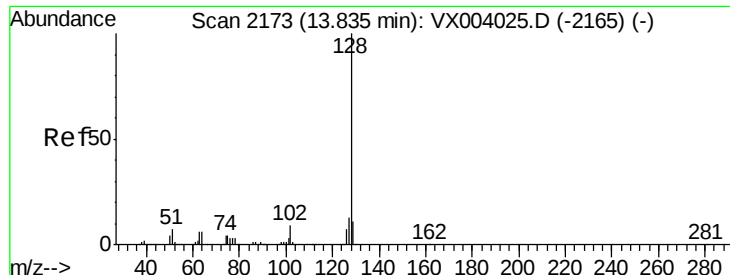
Tot Ion: 75 Resp: 97890
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.90 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004079.D
 Acq: 15 Aug 2018 18:14

Tgt Ion: 75 Resp: 97890
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.19 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX004079.D
Acq: 15 Aug 2018 18:14

Instrument :
MSVOA_X
ClientSampleId :
TB-01-180813

Tot Ion:128 Resp: 594
Ion Ratio Lower Upper
128 100
127 10.1 10.2 15.2#
129 0.0 8.8 13.2#

