

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003077.D
 Acq On : 30 Jun 2018 14:30
 Operator : JC/MD
 Sample : J3716-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-TB-2018-1

Quant Time: Jul 02 02:41:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	396796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203743	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	184382	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
35) Dibromofluoromethane	5.51	113	152091	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.72	98	550296	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.14	95	194892	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	

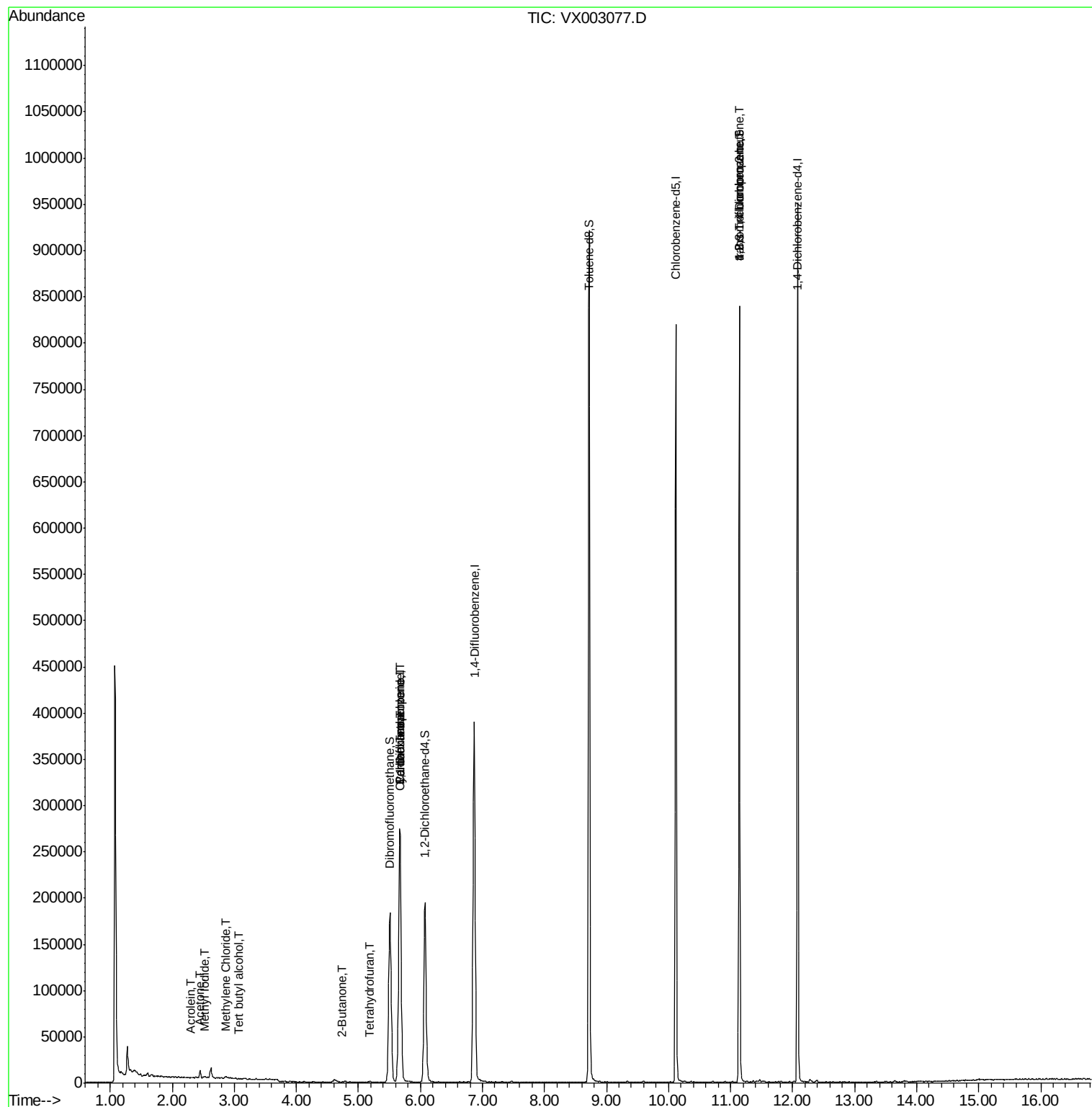
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	107	Below Cal	#	43
3) Chloromethane	1.33	50	919	Below Cal	#	93
5) Bromomethane	1.67	94	1880	Below Cal	#	73
6) Chloroethane	1.73	64	640	Below Cal	#	73
10) Methyl Iodide	2.52	142	2286	6.86	ug/l	97
11) Tert butyl alcohol	3.07	59	380	0.49	ug/l	80
13) Acrolein	2.31	56	80	4.41	ug/l	1
16) Acetone	2.45	43	7212	4.47	ug/l	93
20) Methylene Chloride	2.87	84	917	0.29	ug/l	51
25) 2-Butanone	4.72	43	536	0.22	ug/l	52
29) Tetrahydrofuran	5.18	42	820	0.53	ug/l	91
31) Cyclohexane	5.68	56	5517	1.13	ug/l	24
36) 1,1-Dichloropropene	5.67	75	18433	4.24	ug/l	51
38) Carbon Tetrachloride	5.67	117	25611	5.36	ug/l	15
76) 1,2,3-Trichloropropane	11.14	75	97253	26.35	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97253	74.68	ug/l	7

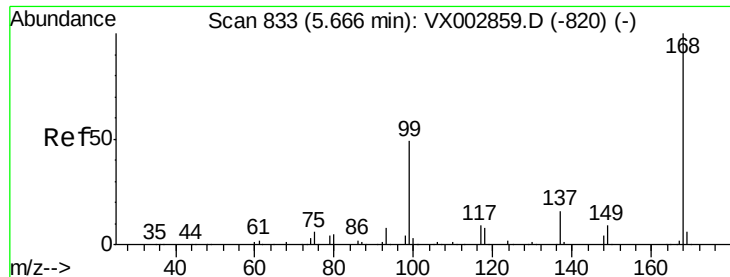
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063018\
Data File : VX003077.D
Acq On : 30 Jun 2018 14:30
Operator : JC/MD
Sample : J3716-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S22-TB-2018-1

Quant Time: Jul 02 02:41:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 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: VX003077.D

Acq: 30 Jun 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

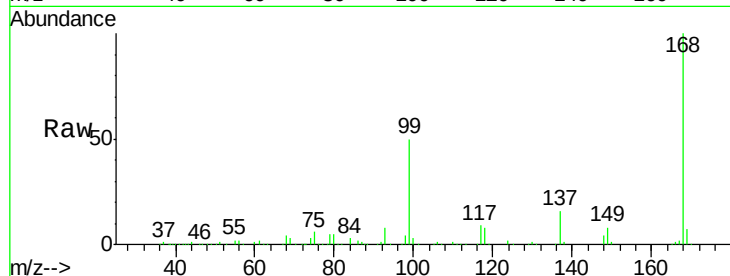
S22-TB-2018-1

Tot Ion:168 Resp: 282051

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

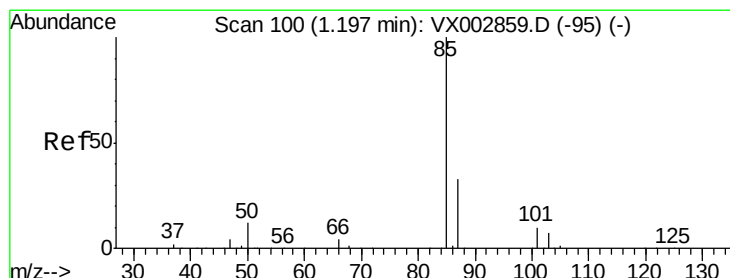
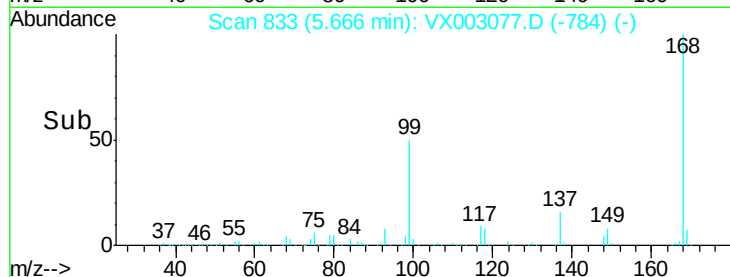
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003077.D

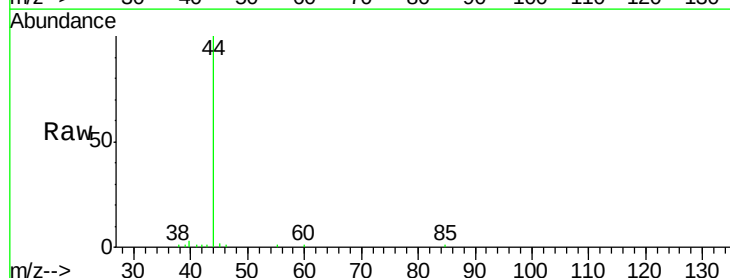
Acq: 30 Jun 2018 14:30

Tgt Ion: 85 Resp: 107

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120

100

80

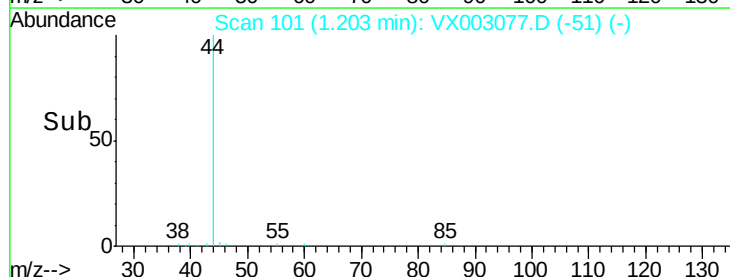
60

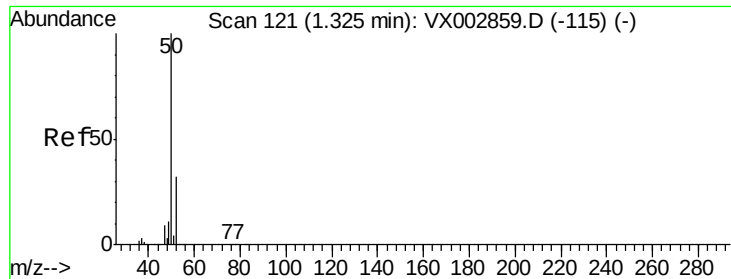
40

20

0

Time--> 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

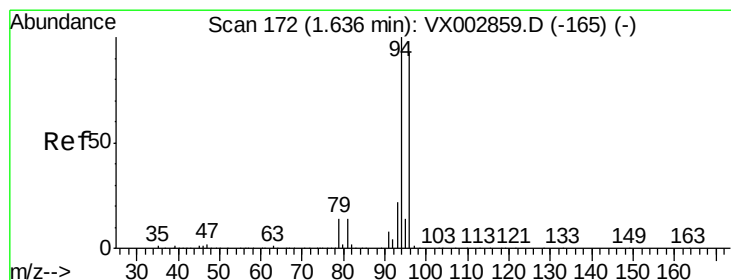
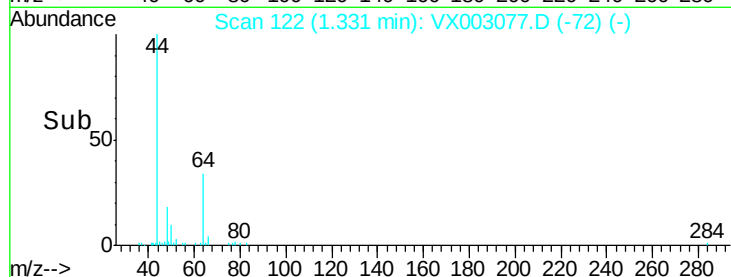
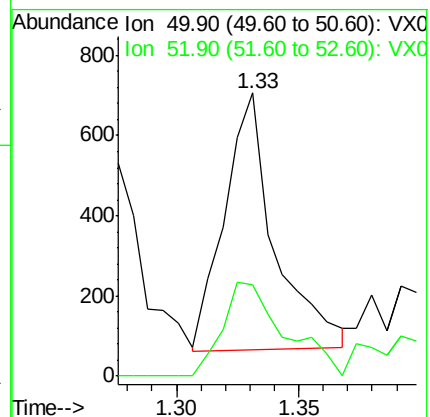
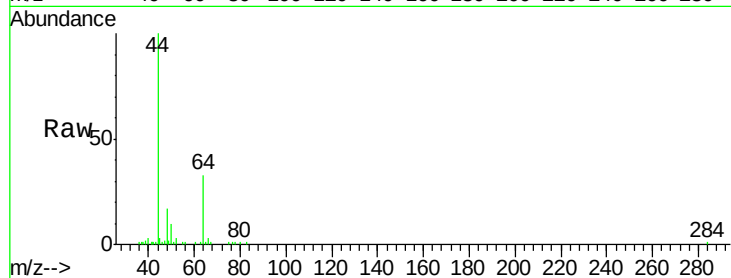
S22-TB-2018-1

Tot Ion: 50 Resp: 919

Ion Ratio Lower Upper

50 100

52 35.8 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003077.D

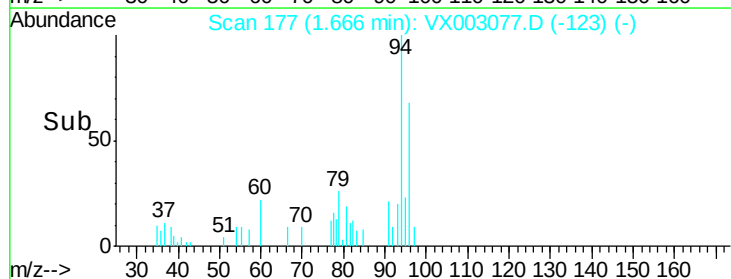
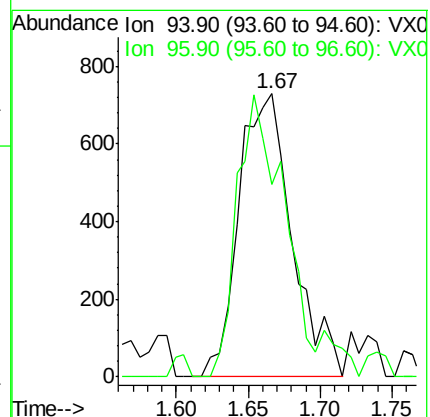
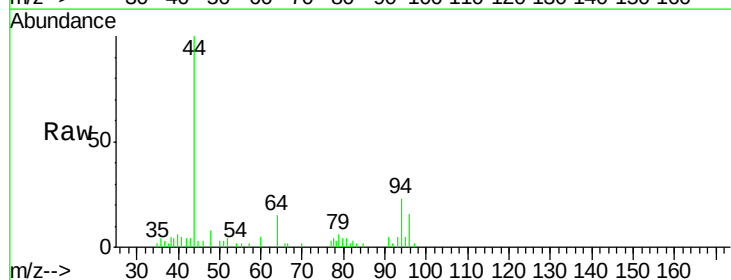
Acq: 30 Jun 2018 14:30

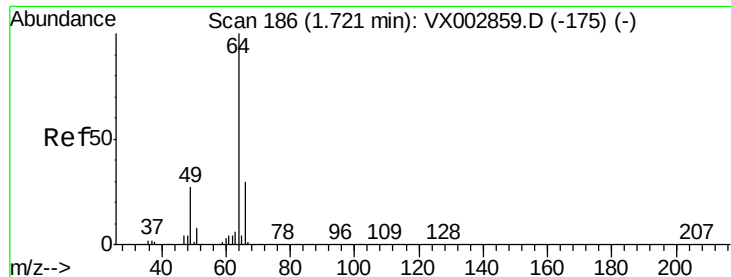
Tgt Ion: 94 Resp: 1880

Ion Ratio Lower Upper

94 100

96 67.9 74.9 112.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

Instrument :

MSVOA_X

ClientSampled :

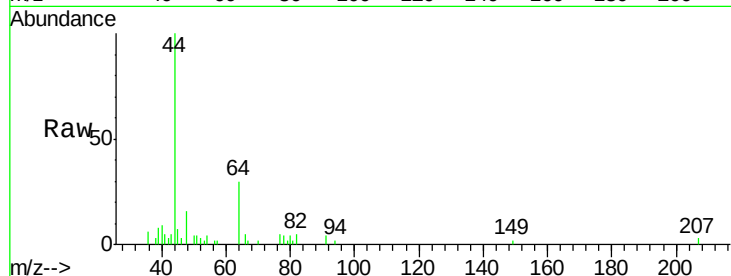
S22-TB-2018-1

Tot Ion: 64 Resp: 640

Ion Ratio Lower Upper

64 100

66 17.1 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

800

600

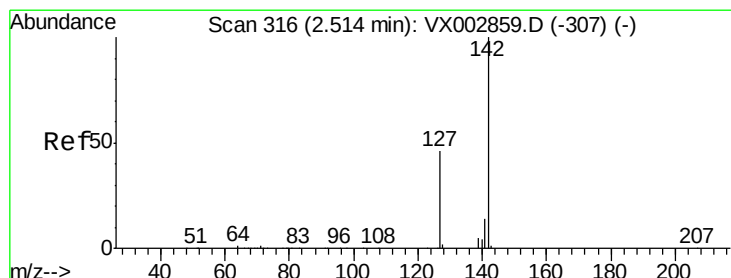
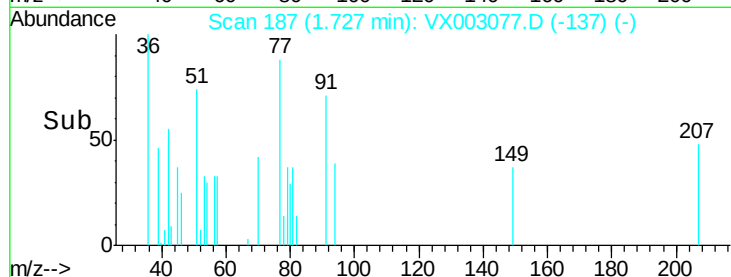
400

200

0

1.68 1.70 1.72 1.74

Time-->



#10

Methyl Iodide

Concen: 6.86 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

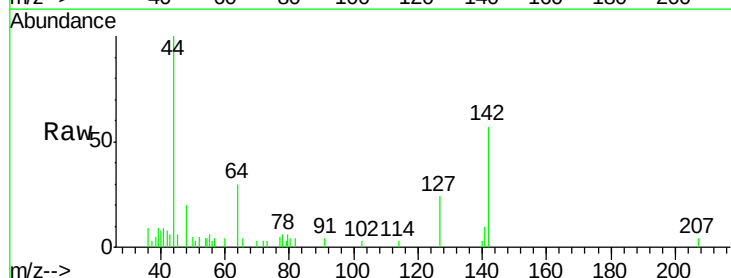
Tgt Ion: 142 Resp: 2286

Ion Ratio Lower Upper

142 100

127 46.5 36.6 55.0

141 18.2 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

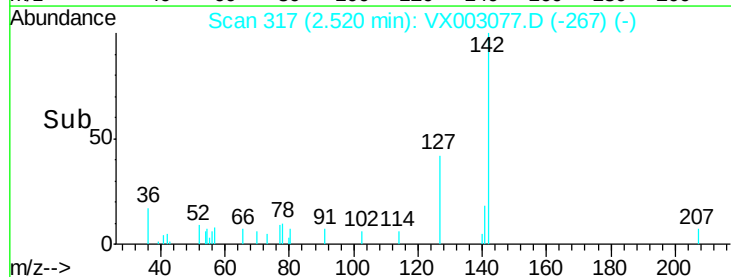
1000

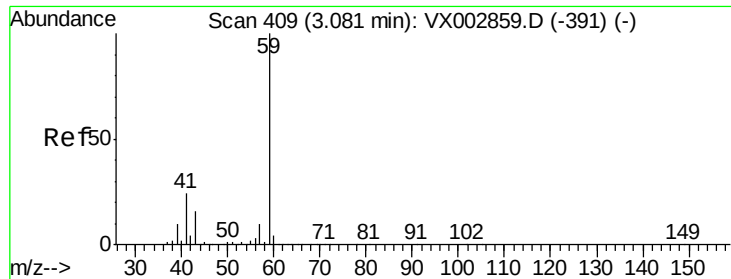
500

0

2.45 2.50 2.55 2.60

Time-->

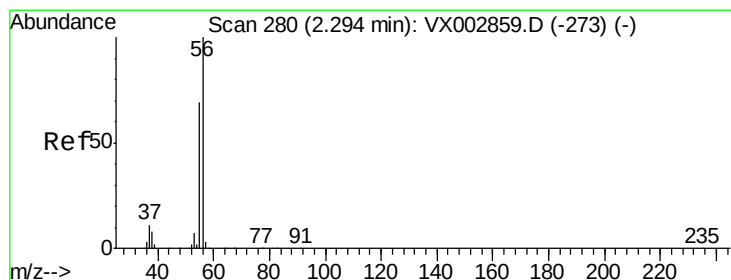
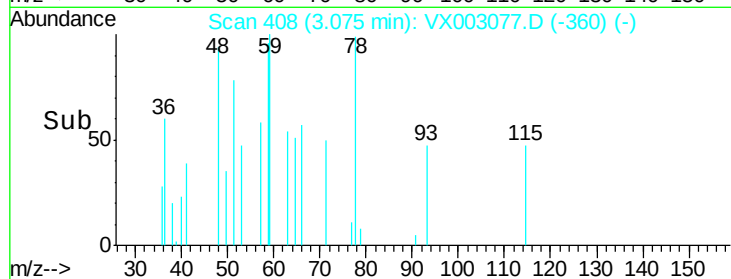
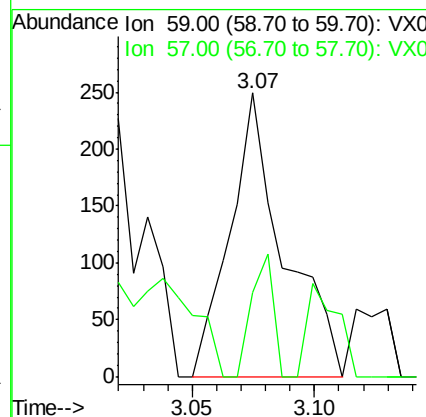
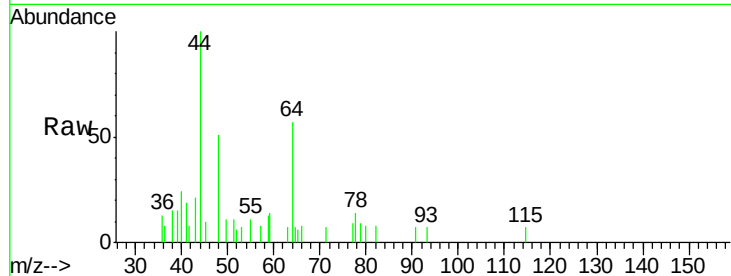




#11
Tert butyl alcohol
Concen: 0.49 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

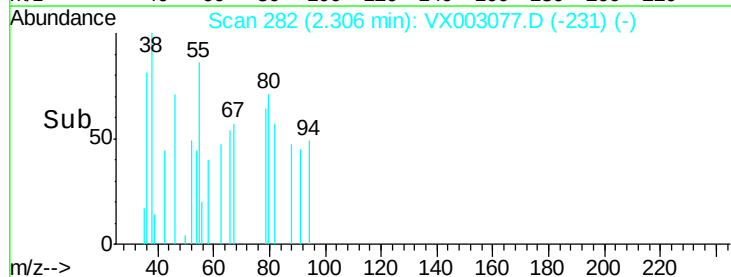
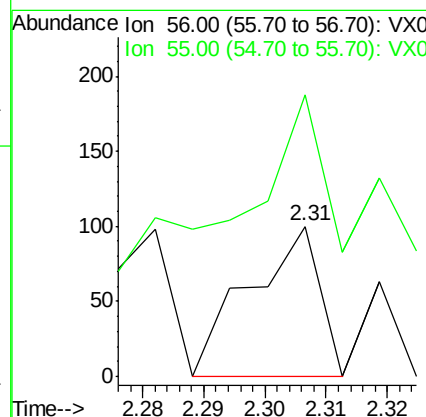
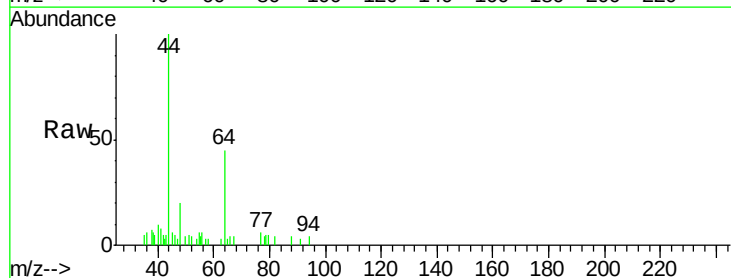
Instrument :
MSVOA_X
ClientSampleId :
S22-TB-2018-1

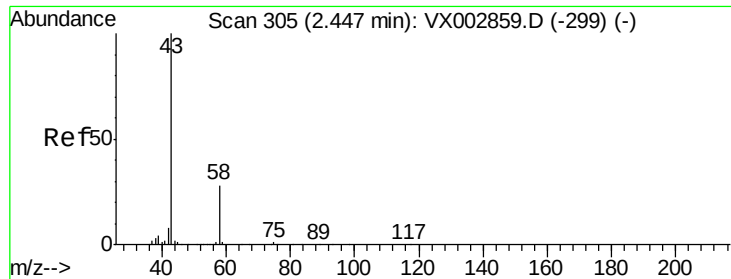
Tot Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 17.6 8.2 12.2#



#13
Acrolein
Concen: 4.41 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 161.3 57.0 85.4#





#16

Acetone

Concen: 4.47 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

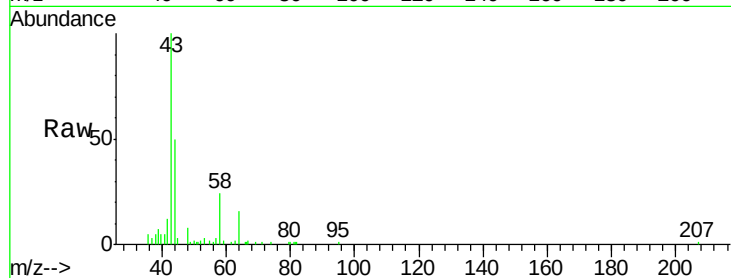
S22-TB-2018-1

Tot Ion: 43 Resp: 7212

Ion Ratio Lower Upper

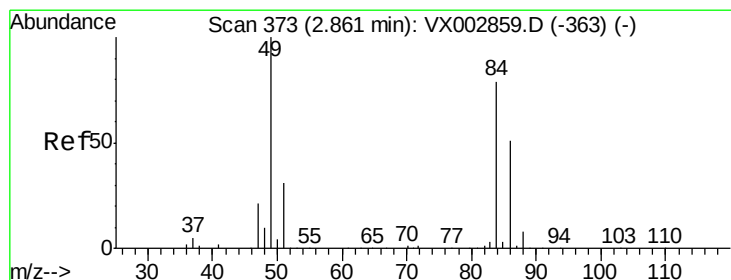
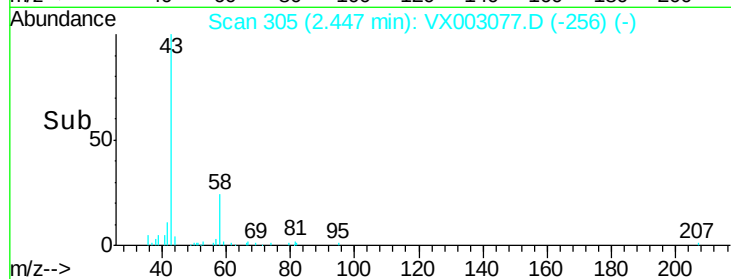
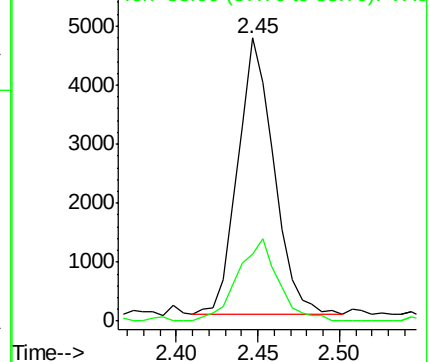
43 100

58 24.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.29 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

Tgt Ion: 84 Resp: 917

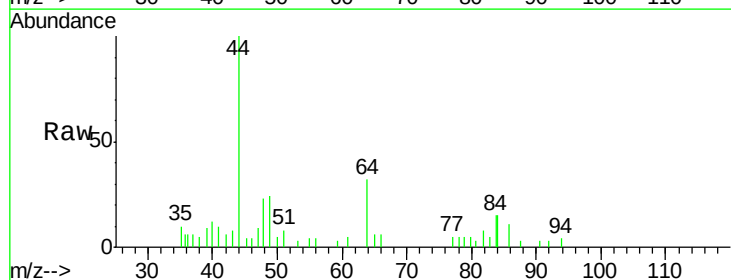
Ion Ratio Lower Upper

84 100

49 66.6 107.8 161.6#

51 13.7 32.8 49.2#

86 36.4 52.5 78.7#

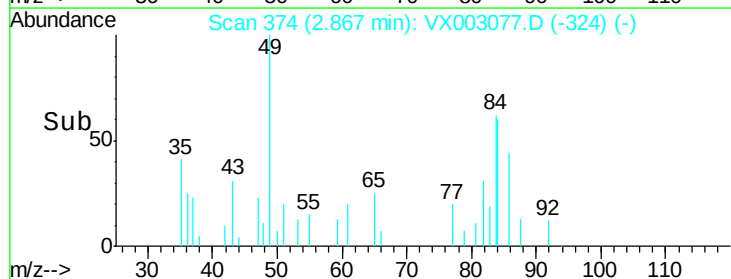
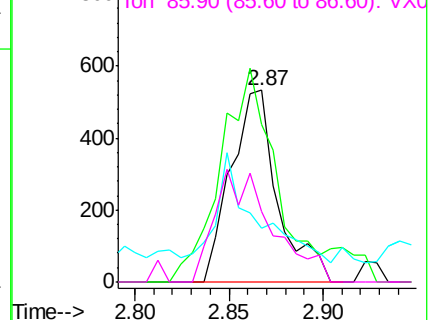


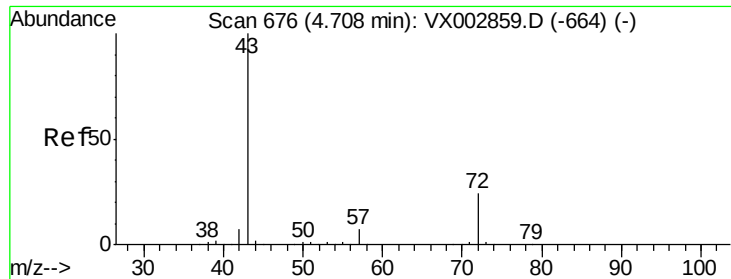
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

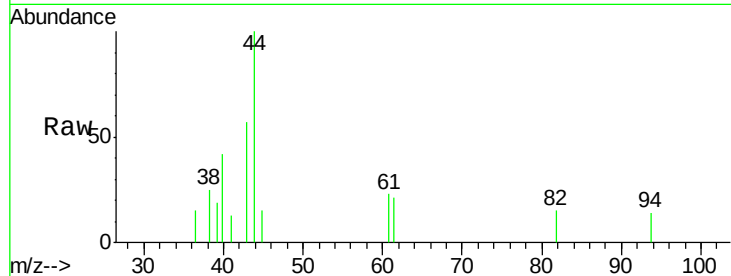
S22-TB-2018-1

Tot Ion: 43 Resp: 536

Ion Ratio Lower Upper

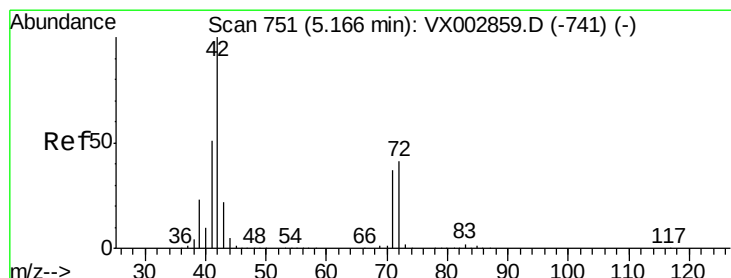
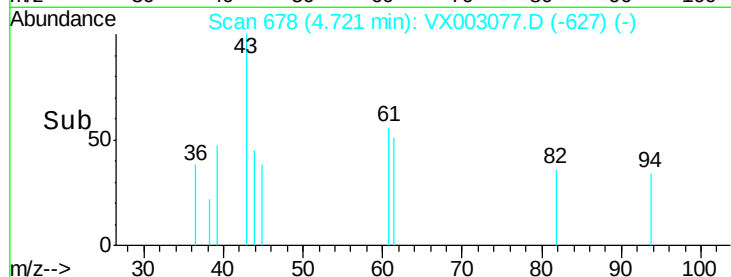
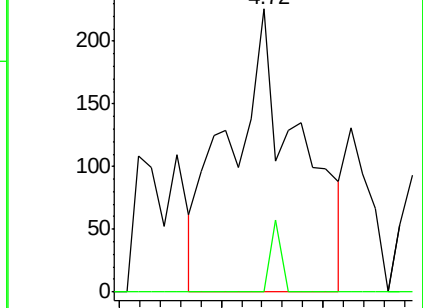
43 100

72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.53 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

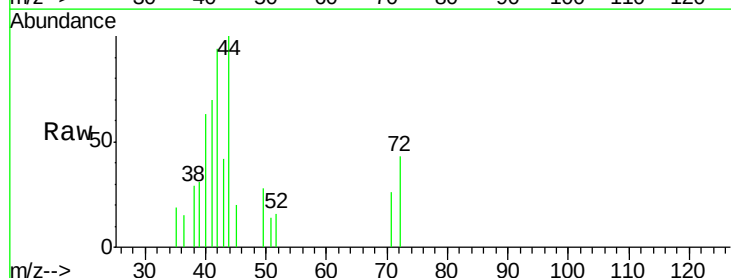
Tgt Ion: 42 Resp: 820

Ion Ratio Lower Upper

42 100

72 30.2 32.0 48.0#

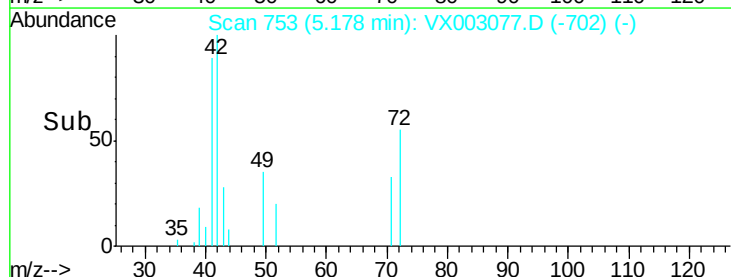
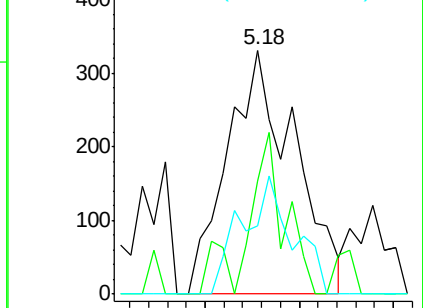
71 36.1 30.1 45.1

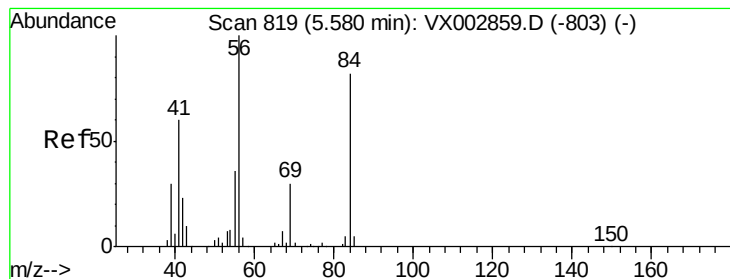


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

S22-TB-2018-1

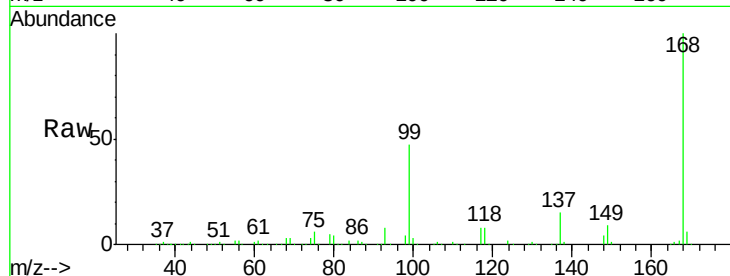
Tot Ion: 56 Resp: 5517

Ion Ratio Lower Upper

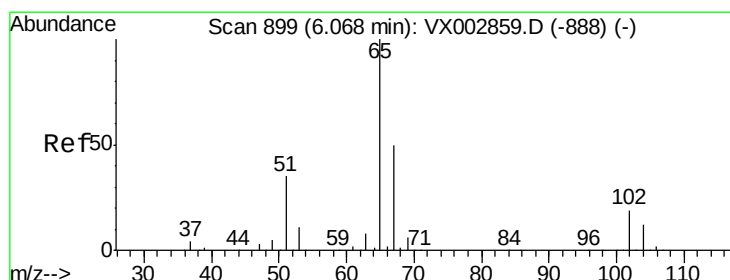
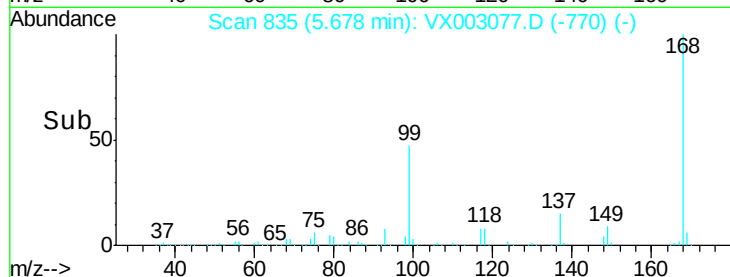
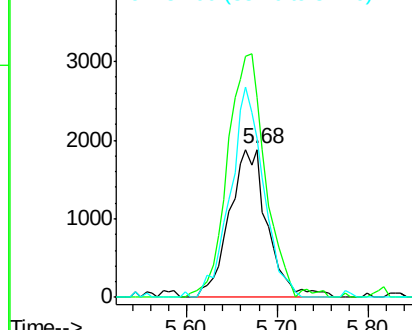
56 100

69 135.5 23.7 35.5#

84 107.6 64.1 96.1#



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: 47.30 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003077.D

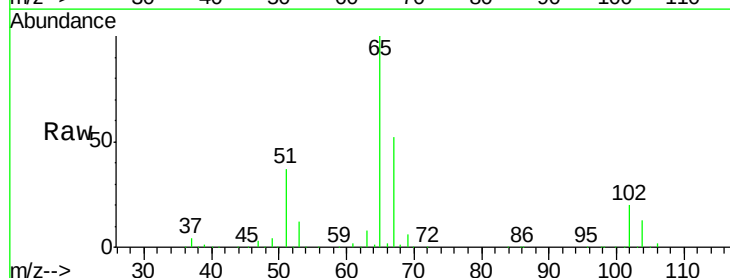
Acq: 30 Jun 2018 14:30

Tgt Ion: 65 Resp: 184382

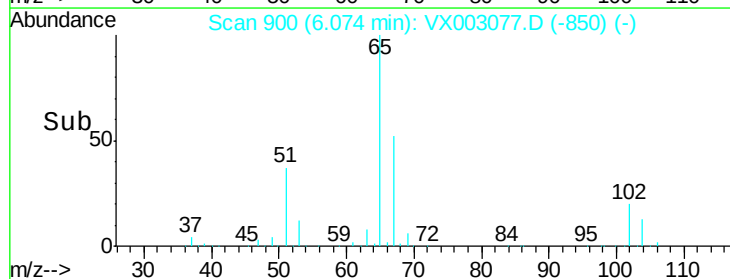
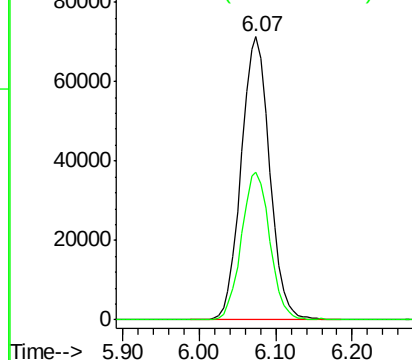
Ion Ratio Lower Upper

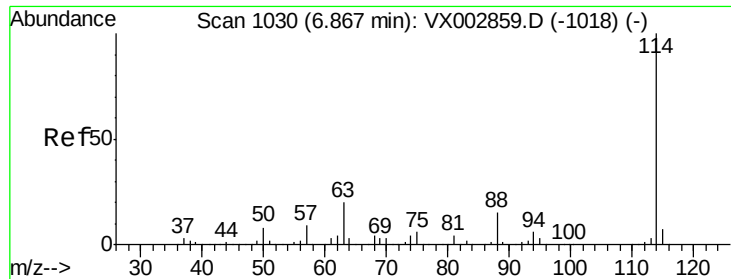
65 100

67 52.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

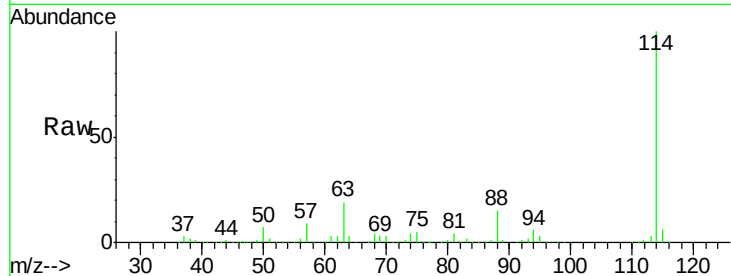




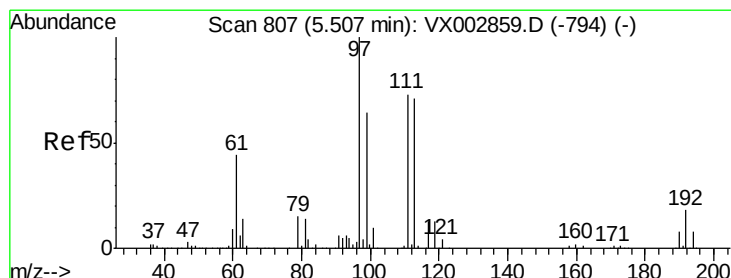
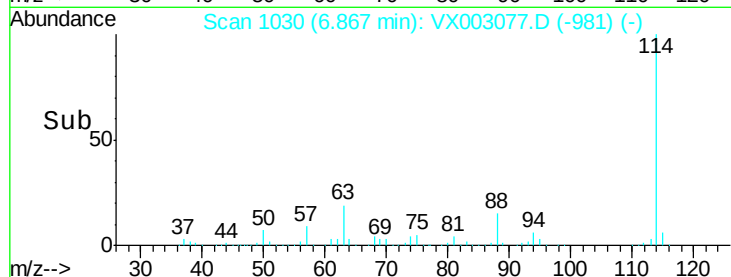
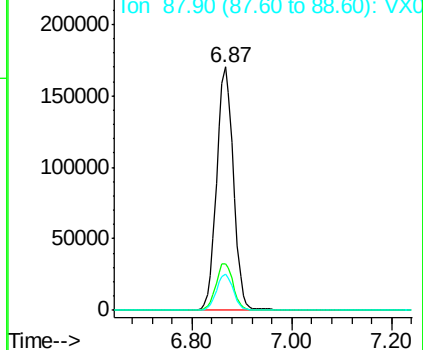
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

Instrument :
MSVOA_X
ClientSampleId :
S22-TB-2018-1

Tot Ion:114 Resp: 396796
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.4
88 14.8 0.0 30.0

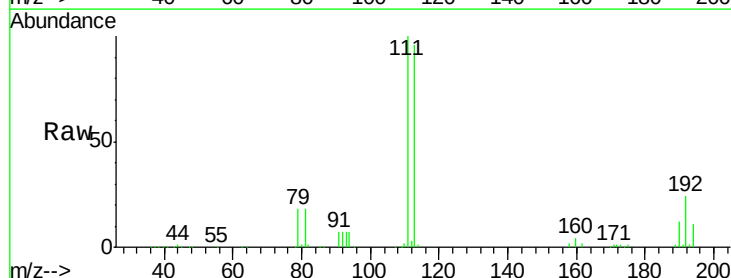


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

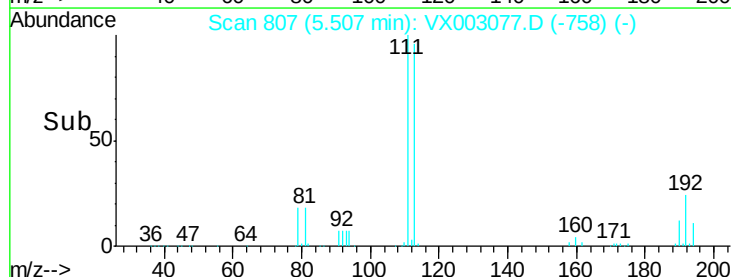
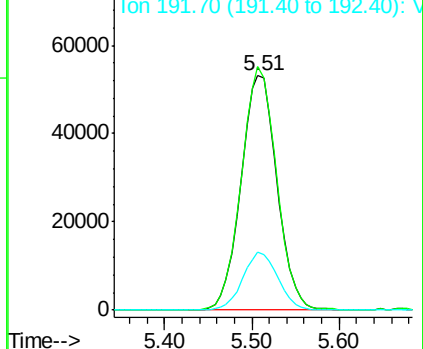


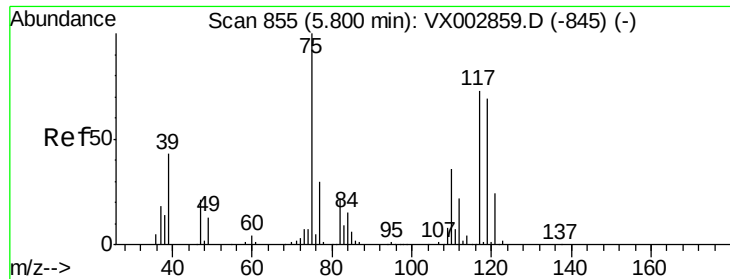
#35
Dibromofluoromethane
Concen: 48.40 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

Tgt Ion:113 Resp: 152091
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 24.1 19.1 28.7



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

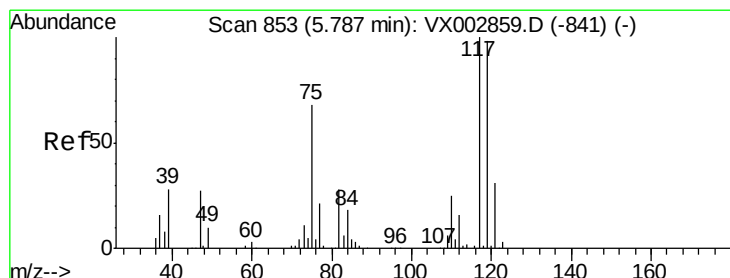
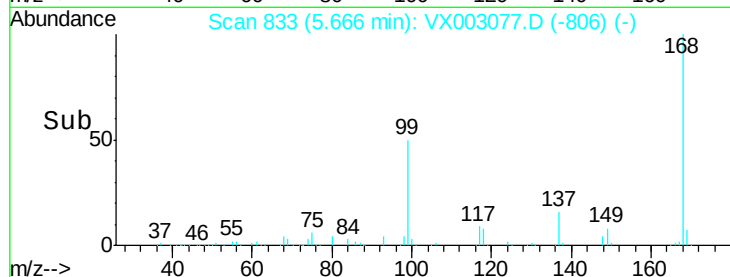
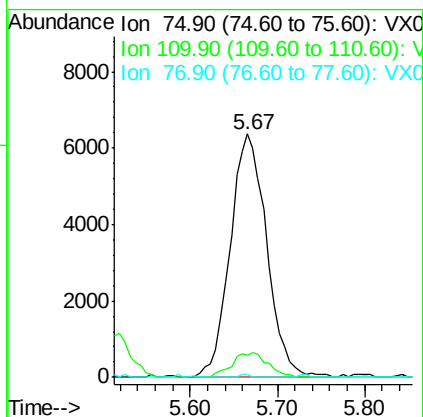
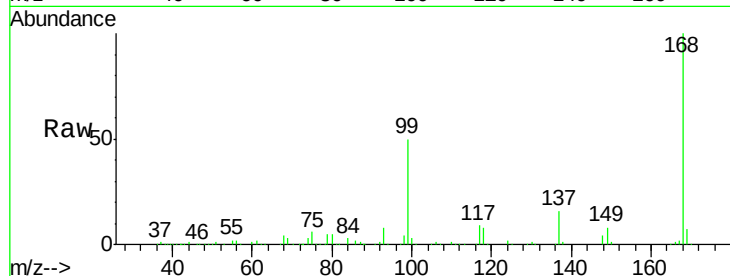




#36
 1,1-Dichloropropene
 Concen: 4.24 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003077.D
 Acq: 30 Jun 2018 14:30

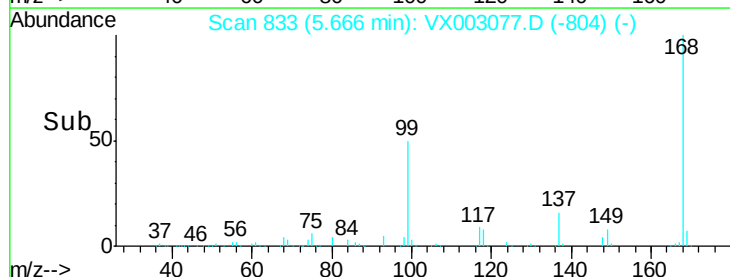
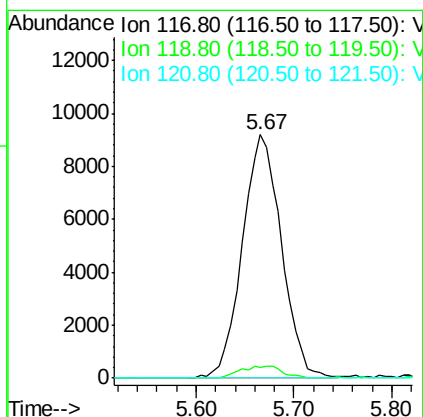
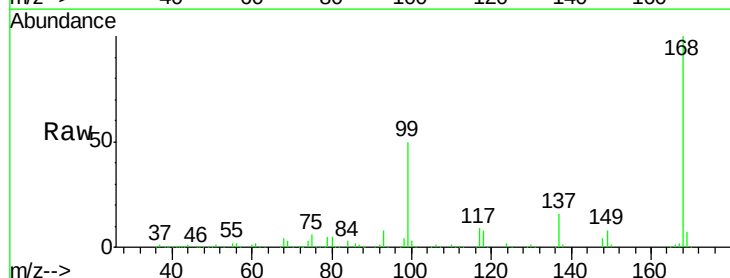
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-TB-2018-1

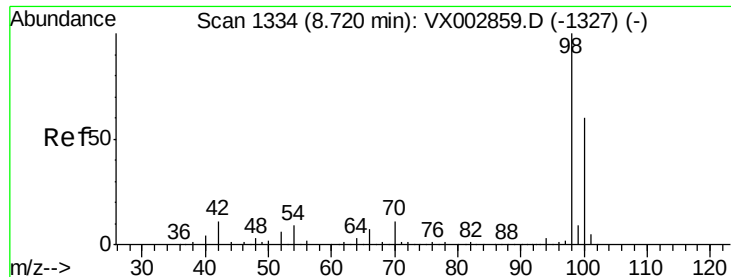
Tot Ion: 75 Resp: 18433
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.36 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003077.D
 Acq: 30 Jun 2018 14:30

Tgt Ion:117 Resp: 25611
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.4 116.0#
 121 0.0 24.4 36.6#

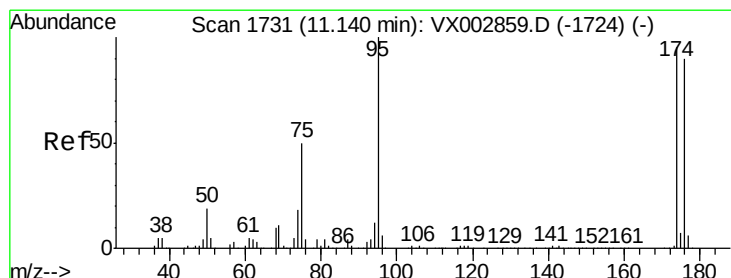
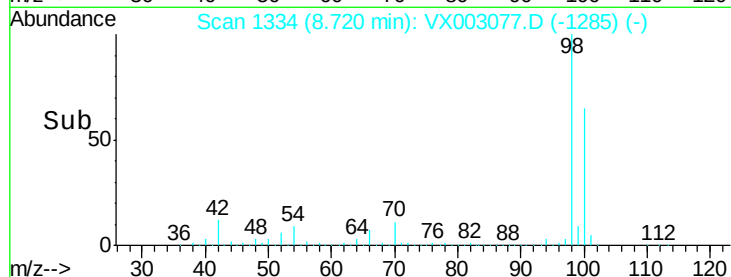
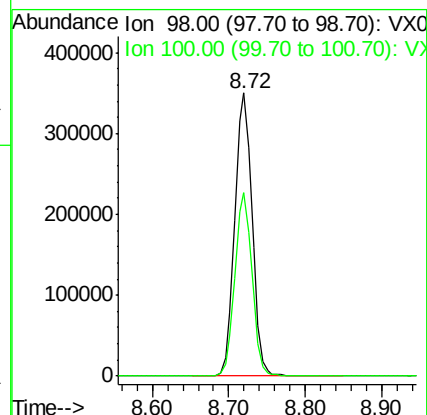
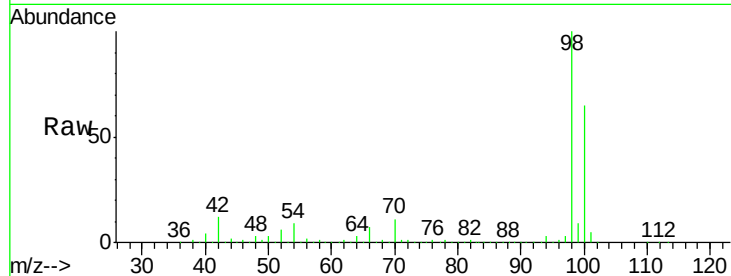




#50
Toluene-d8
Concen: 47.96 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

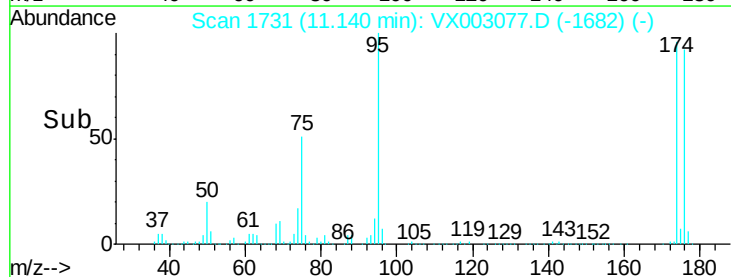
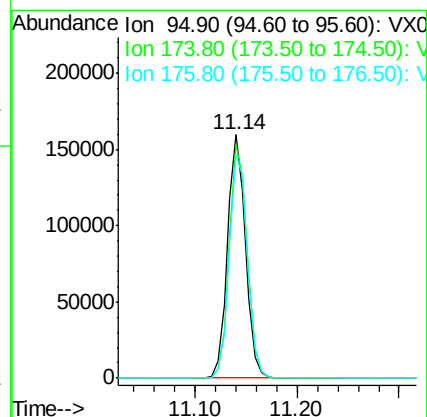
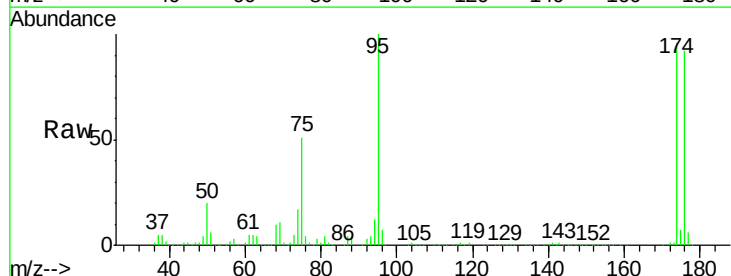
Instrument :
MSVOA_X
ClientSampleId :
S22-TB-2018-1

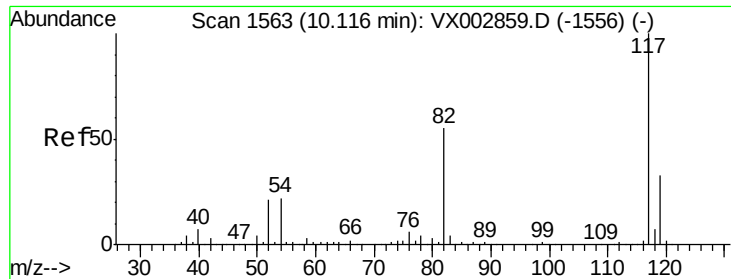
Tot Ion: 98 Resp: 550296
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.04 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

Tgt Ion: 95 Resp: 194892
Ion Ratio Lower Upper
95 100
174 96.5 0.0 187.4
176 93.4 0.0 181.0

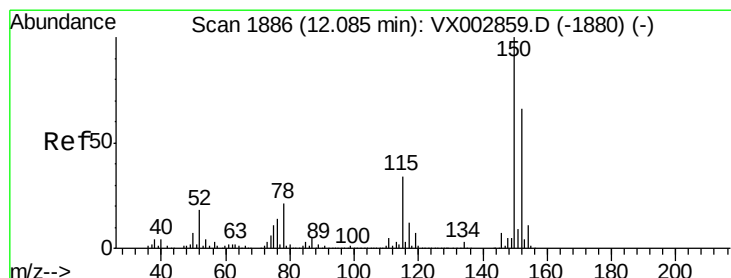
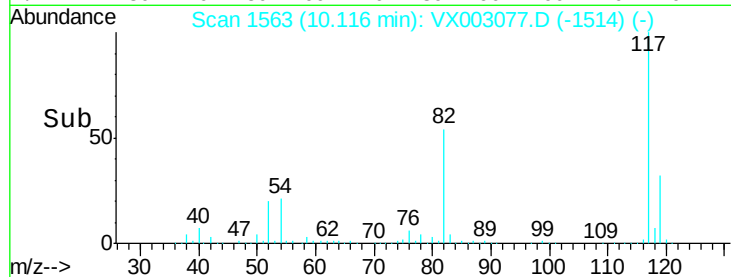
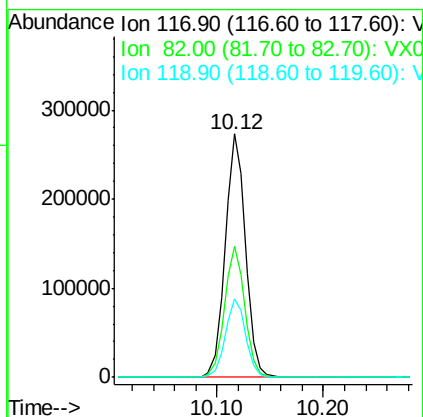
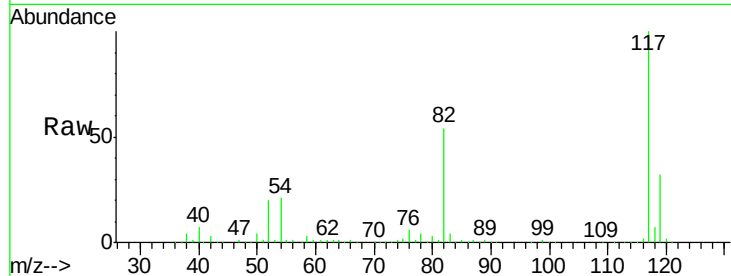




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

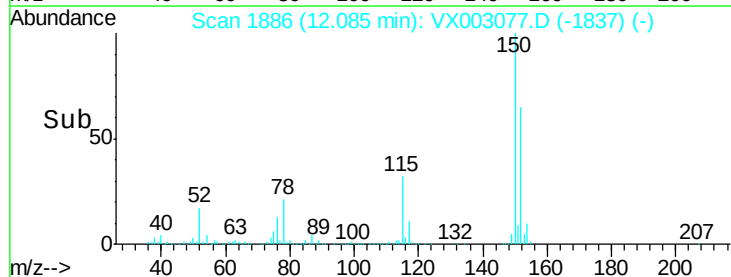
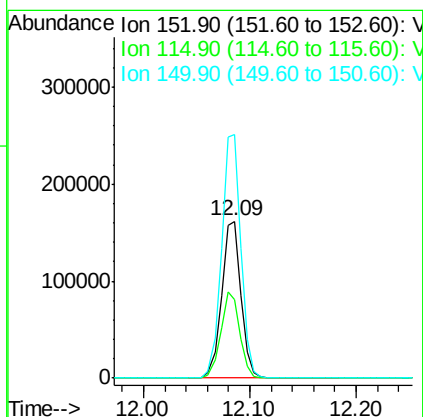
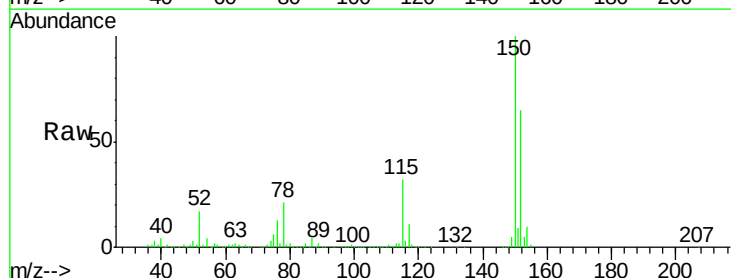
Instrument :
MSVOA_X
ClientSampleId :
S22-TB-2018-1

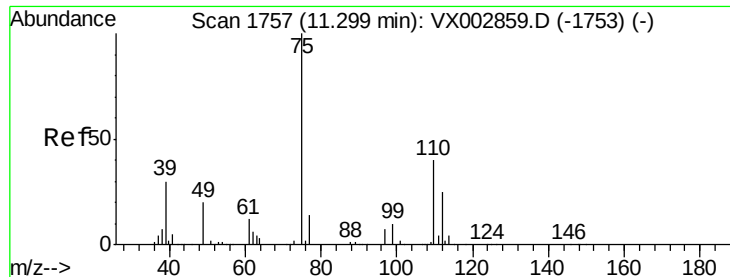
Tot Ion:117 Resp: 364005
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.4
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX003077.D
Acq: 30 Jun 2018 14:30

Tgt Ion:152 Resp: 203743
Ion Ratio Lower Upper
152 100
115 53.8 40.1 120.2
150 156.3 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 26.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

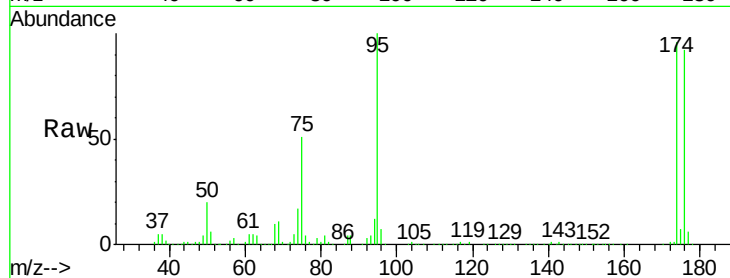
S22-TB-2018-1

Tot Ion: 75 Resp: 97253

Ion Ratio Lower Upper

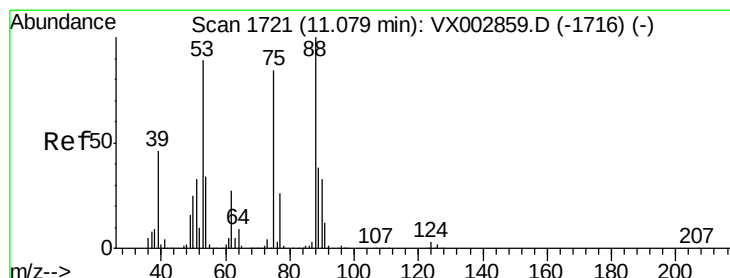
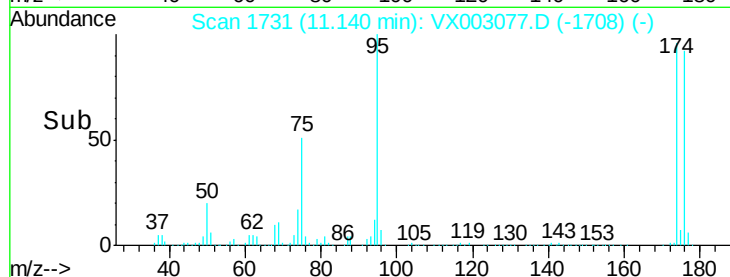
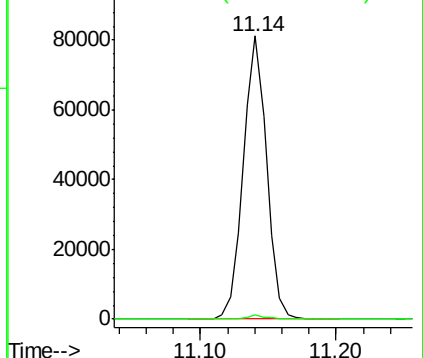
75 100

77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003077.D

Acq: 30 Jun 2018 14:30

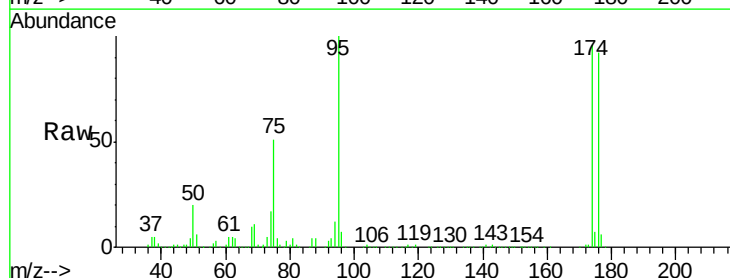
Tgt Ion: 75 Resp: 97253

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

