

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003024.D
 Acq On : 29 Jun 2018 13:12
 Operator : JC/MD
 Sample : VX0629WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 29 14:40:34 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	285676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	394990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210484	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	185421	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.51	113	149870	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	8.72	98	556588	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.14	95	197920	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	

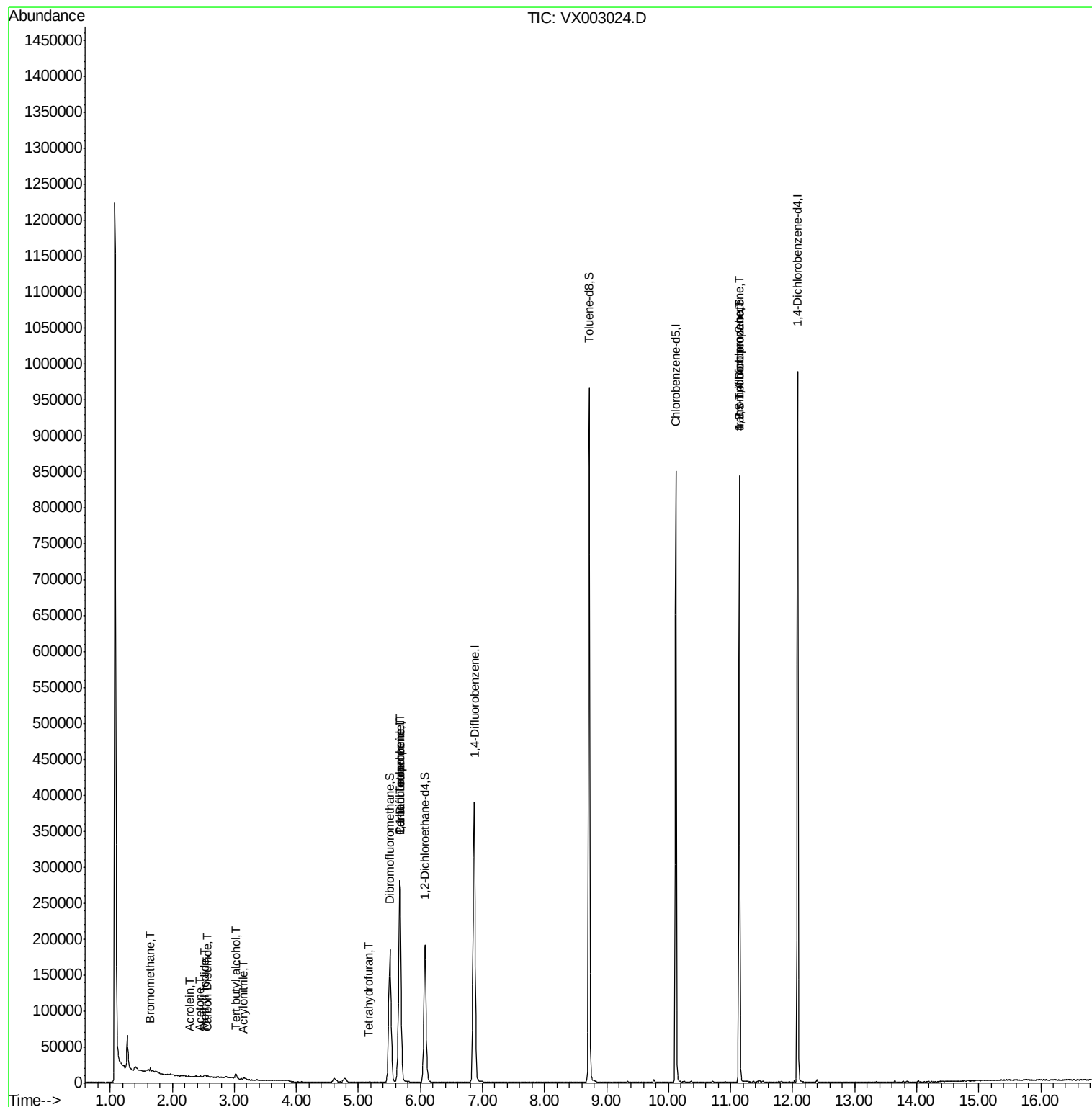
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.15	85	24	Below Cal	#	43
3) Chloromethane	1.33	50	1046	Below Cal		89
5) Bromomethane	1.65	94	4565	0.32	ug/l	91
6) Chloroethane	1.73	64	912	Below Cal	#	83
10) Methyl Iodide	2.53	142	3328	7.14	ug/l	99
11) Tert butyl alcohol	3.03	59	4031	5.12	ug/l	# 81
13) Acrolein	2.29	56	268	4.83	ug/l	# 44
15) Acrylonitrile	3.15	53	592	0.35	ug/l	# 93
16) Acetone	2.45	43	608	0.37	ug/l	# 45
17) Carbon Disulfide	2.57	76	2249	0.30	ug/l	# 94
29) Tetrahydrofuran	5.16	42	401	0.26	ug/l	# 36
36) 1,1-Dichloropropene	5.67	75	18884	4.36	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	25671	5.40	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	100597	26.39	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	100597	74.77	ug/l	# 7

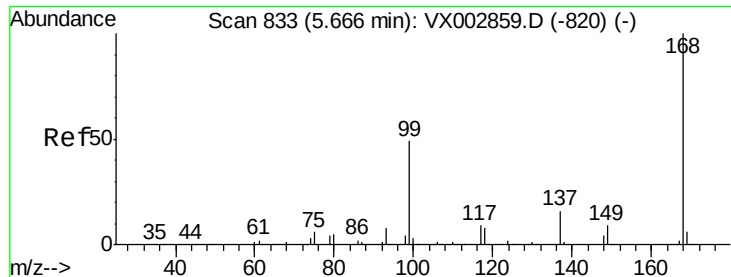
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

Instrument :

MSVOA_X

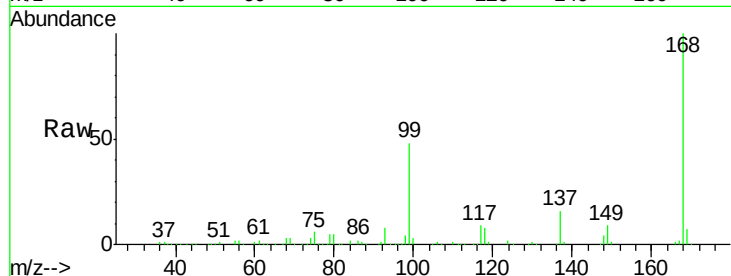
ClientSampleId :

Tot Ion:168 Resp: 285676

Ion Ratio Lower Upper

168 100

99 47.9 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

120000

100000

80000

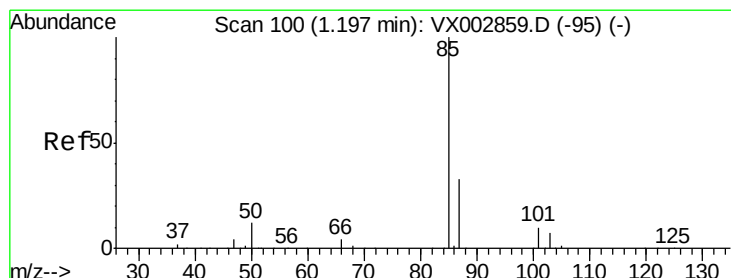
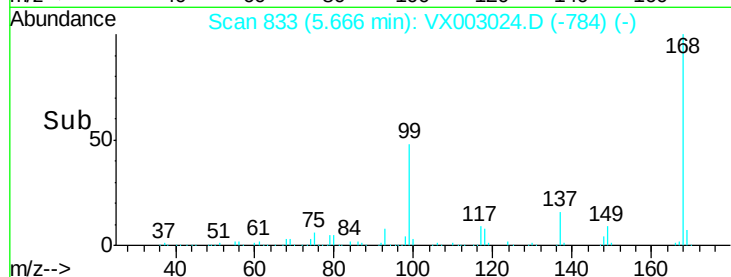
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.15 min Scan# 92

Delta R.T. -0.05 min

Lab File: VX003024.D

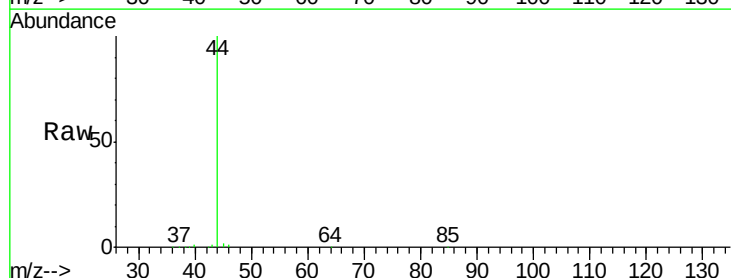
Acq: 29 Jun 2018 13:12

Tgt Ion: 85 Resp: 24

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

1.15

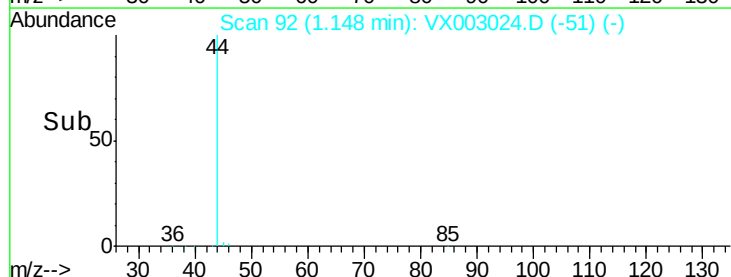
60

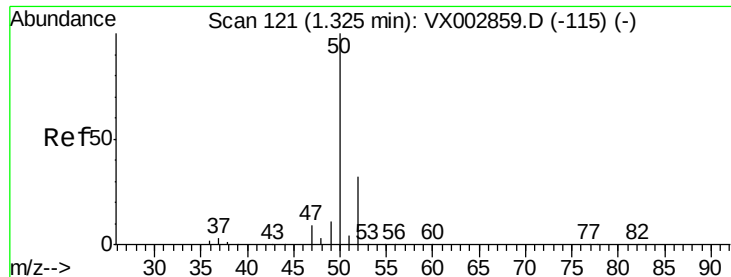
40

20

0

Time--> 1.13 1.14 1.15 1.16





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

Instrument :

MSVOA_X

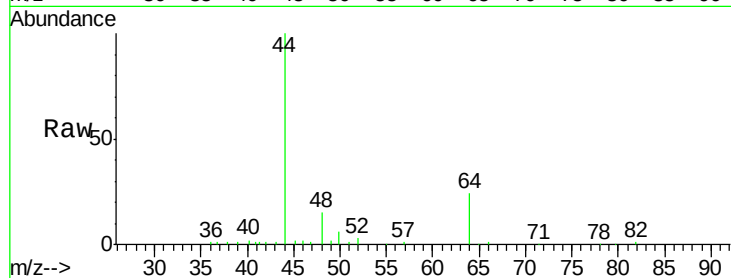
ClientSampleId :

Tot Ion: 50 Resp: 1046

Ion Ratio Lower Upper

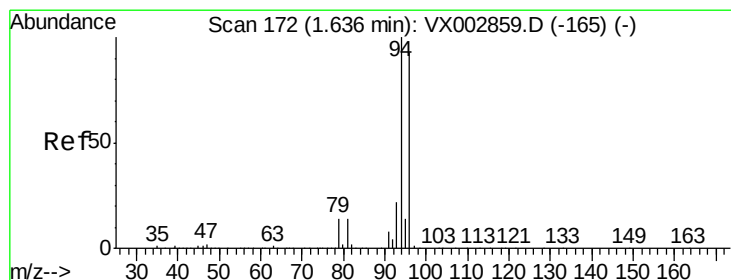
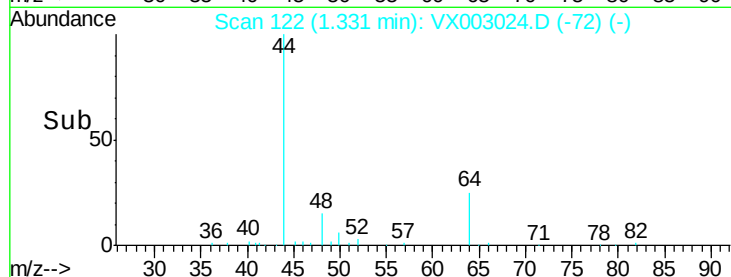
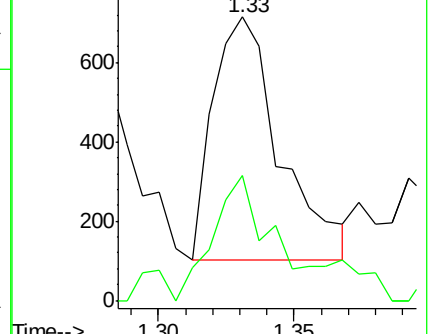
50 100

52 38.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.32 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003024.D

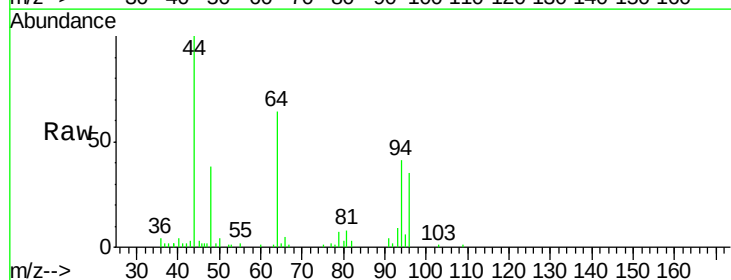
Acq: 29 Jun 2018 13:12

Tgt Ion: 94 Resp: 4565

Ion Ratio Lower Upper

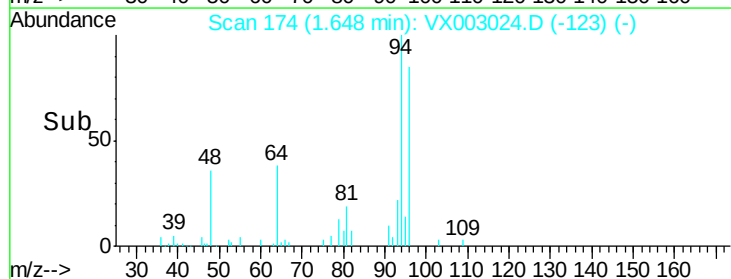
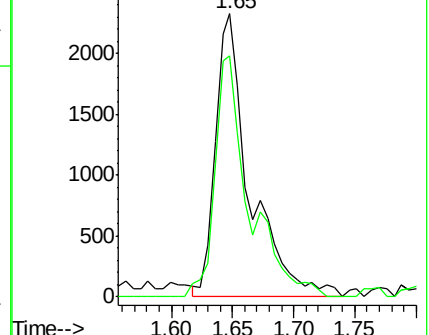
94 100

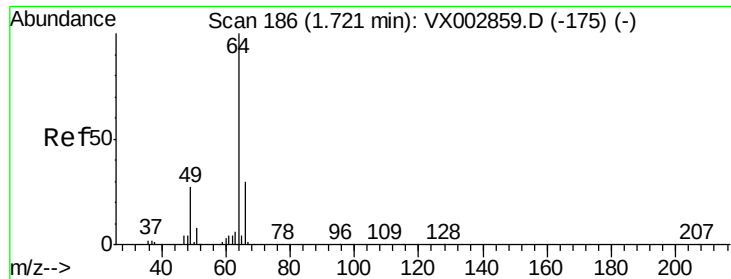
96 85.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

Instrument :

MSVOA_X

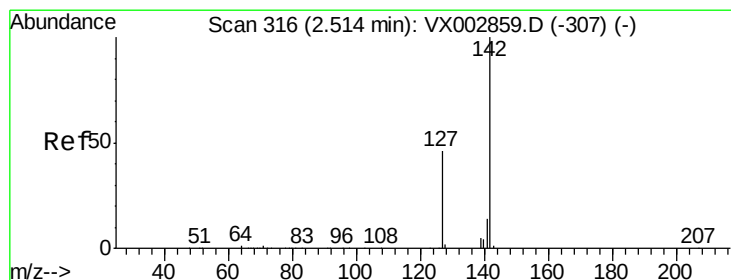
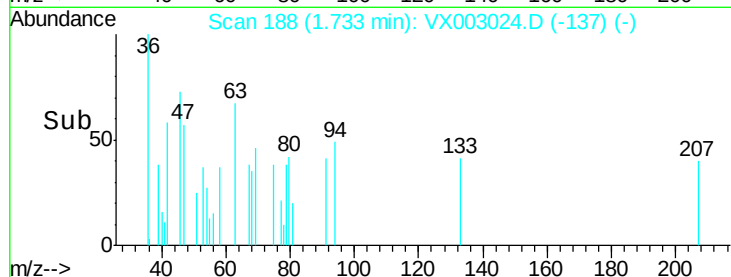
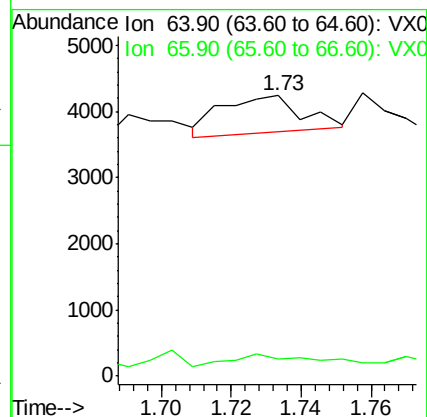
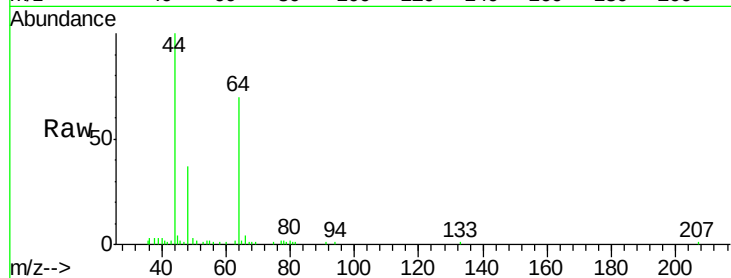
ClientSampleId :

Tot Ion: 64 Resp: 912

Ion Ratio Lower Upper

64 100

66 22.5 25.5 38.3#



#10

Methyl Iodide

Concen: 7.14 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

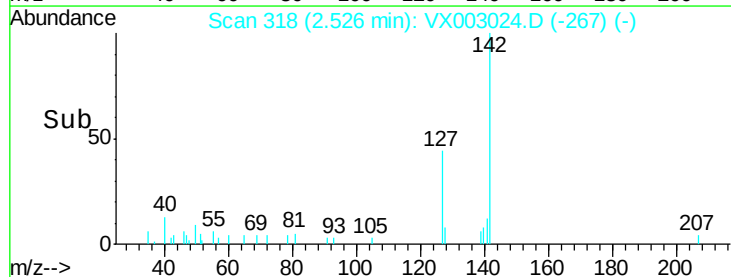
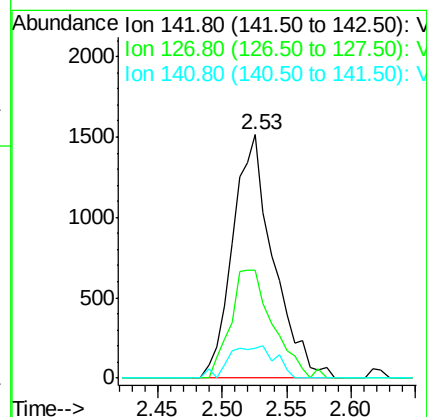
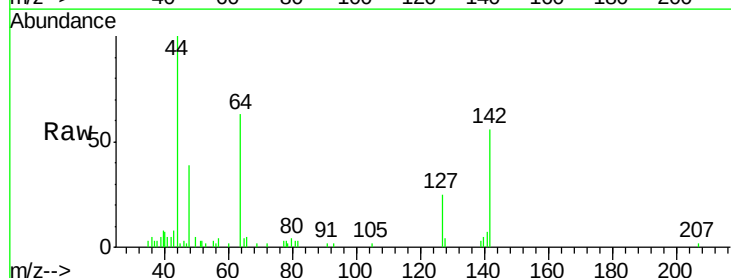
Tgt Ion: 142 Resp: 3328

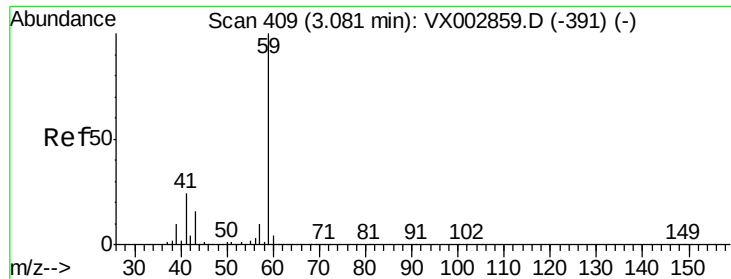
Ion Ratio Lower Upper

142 100

127 46.2 36.6 55.0

141 15.1 11.3 16.9



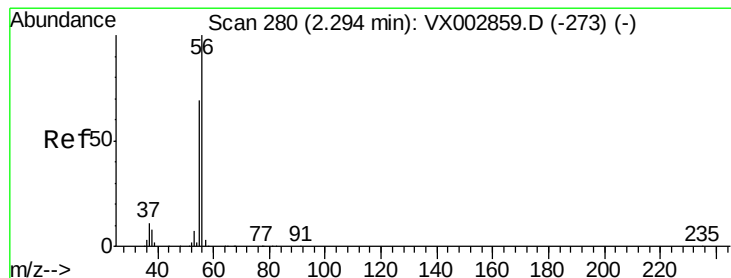
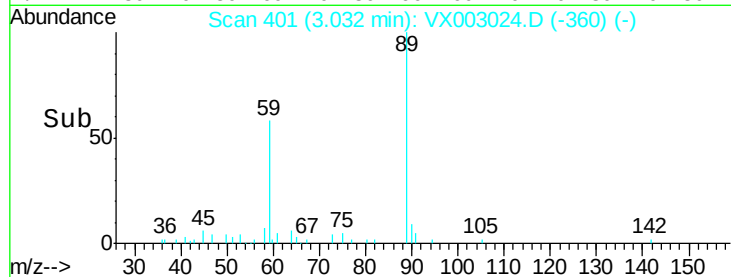
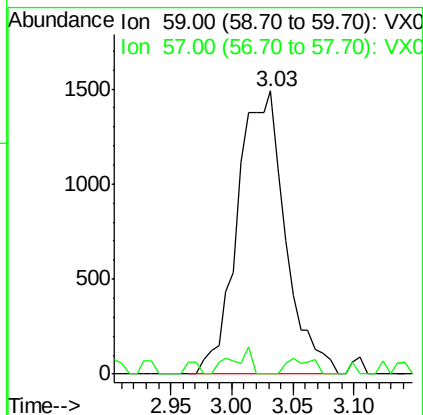
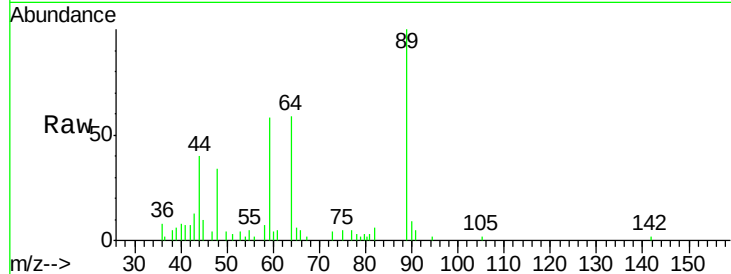


#11

Tert butyl alcohol
Concen: 5.12 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX003024.D
Acq: 29 Jun 2018 13:12

Instrument :
MSVOA_X
ClientSampled :

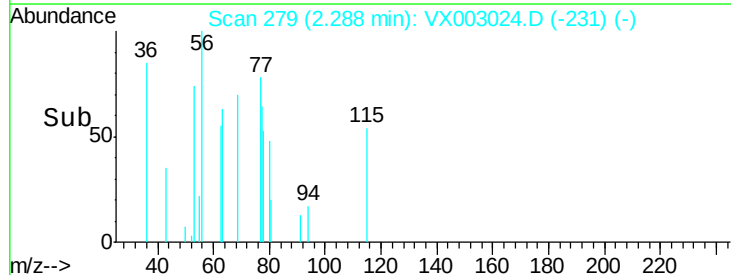
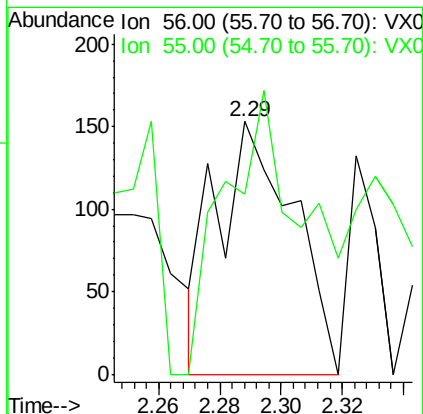
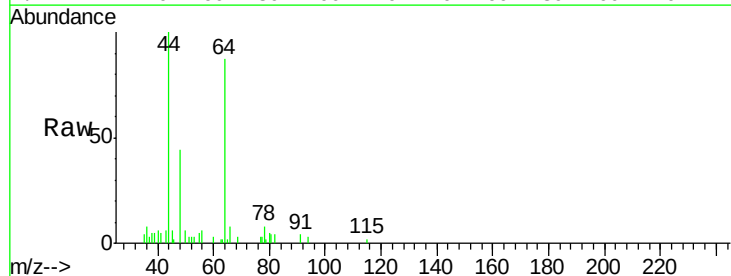
Tot Ion: 59 Resp: 4031
Ion Ratio Lower Upper
59 100
57 3.0 8.2 12.2#

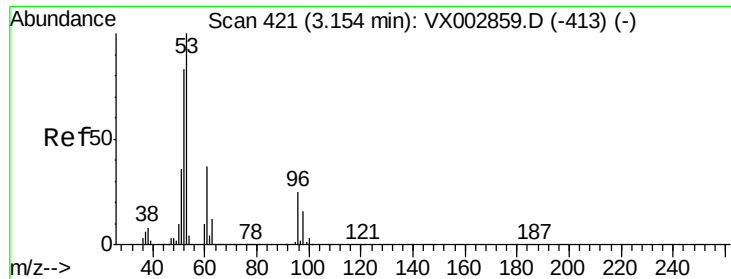


#13

Acrolein
Concen: 4.83 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003024.D
Acq: 29 Jun 2018 13:12

Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 117.2 57.0 85.4#





#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

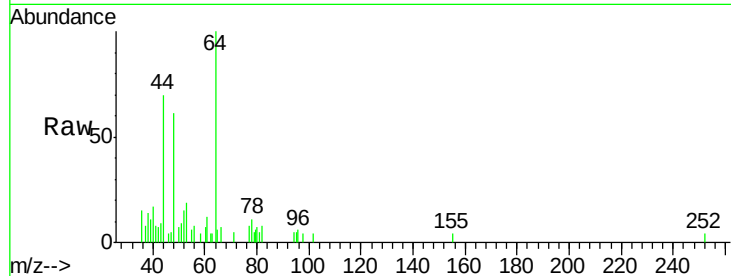
Tot Ion: 53 Resp: 592

Ion Ratio Lower Upper

53 100

52 84.3 66.7 100.1

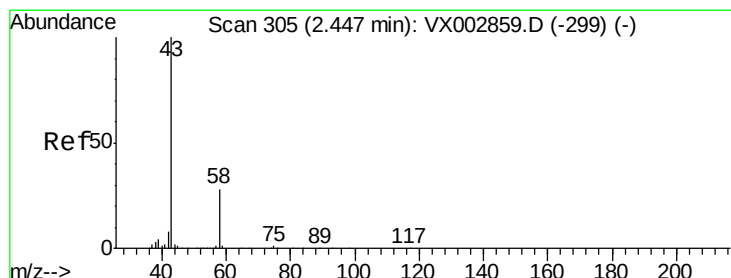
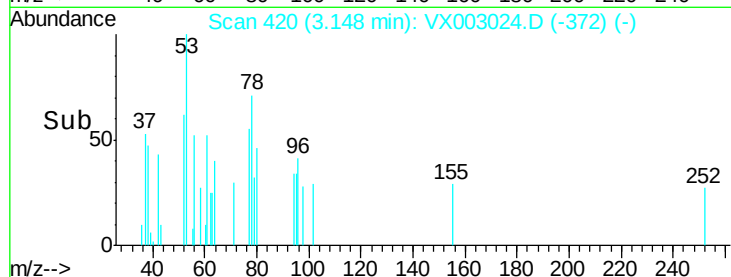
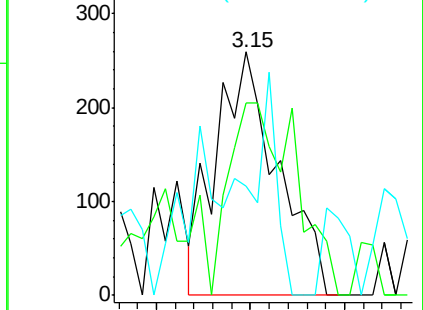
51 25.3 29.9 44.9#



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: 0.37 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003024.D

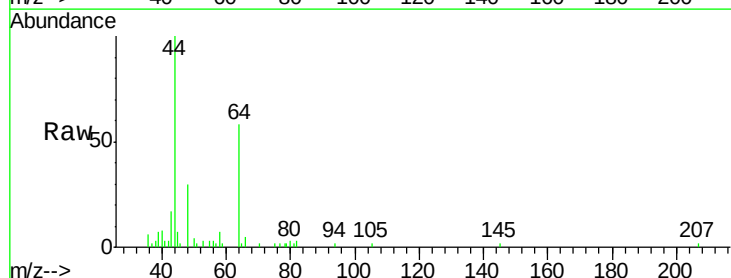
Acq: 29 Jun 2018 13:12

Tgt Ion: 43 Resp: 608

Ion Ratio Lower Upper

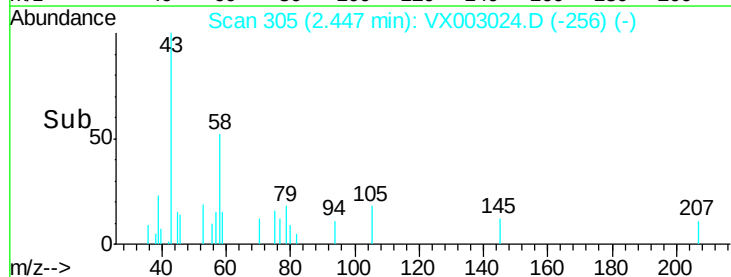
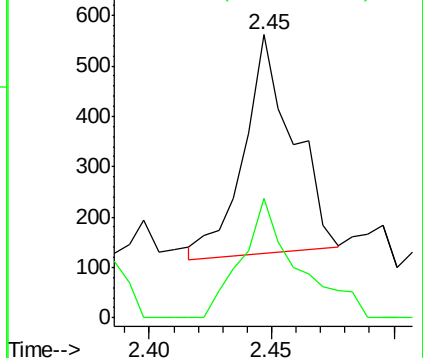
43 100

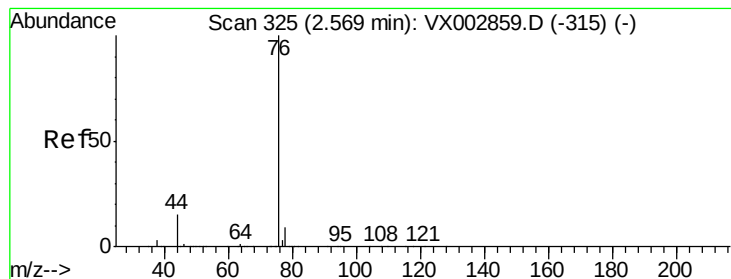
58 56.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

Instrument :

MSVOA_X

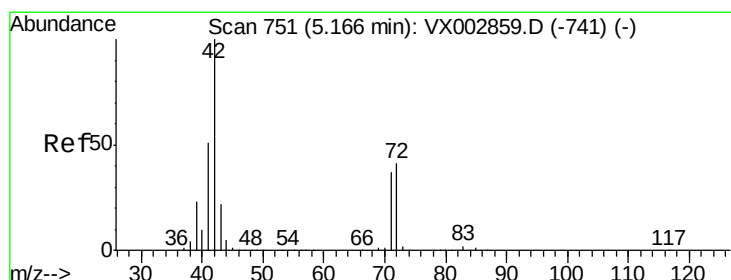
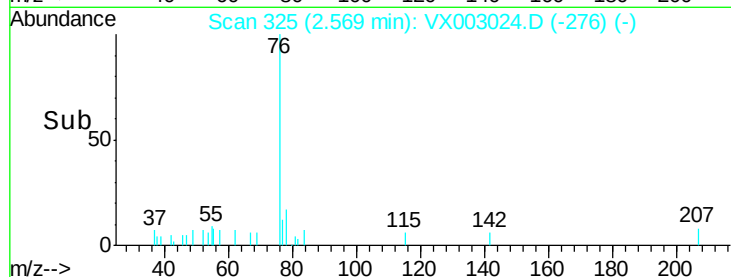
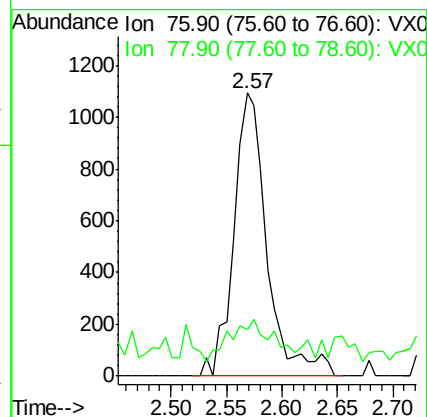
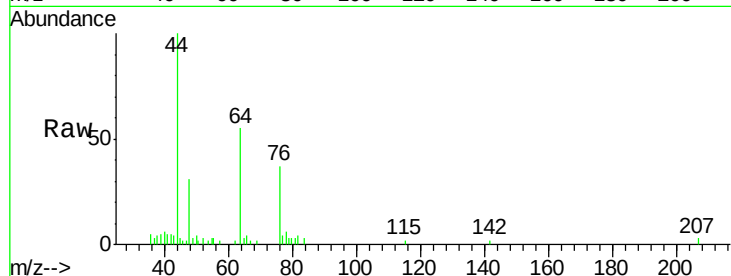
ClientSampled :

Tot Ion: 76 Resp: 2249

Ion Ratio Lower Upper

76 100

78 6.5 6.9 10.3#



#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

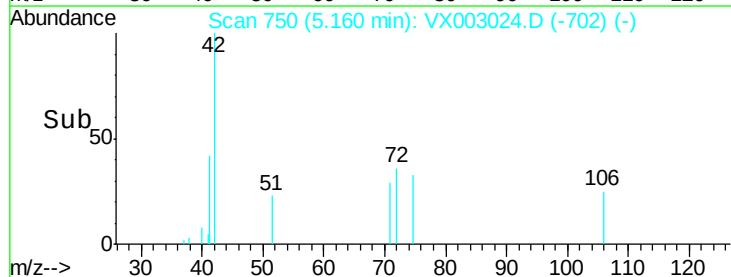
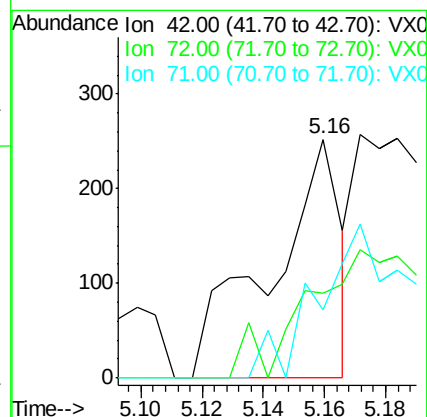
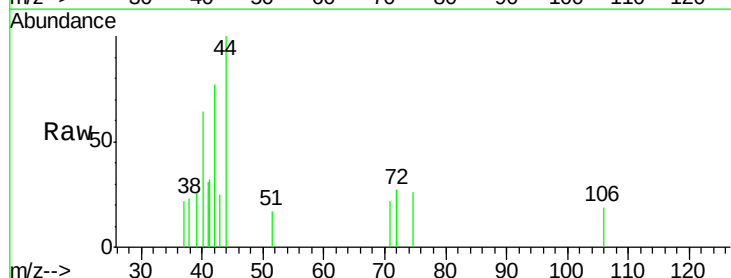
Tgt Ion: 42 Resp: 401

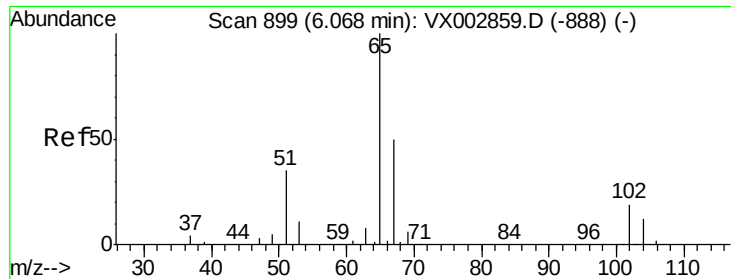
Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 30.1 45.1#

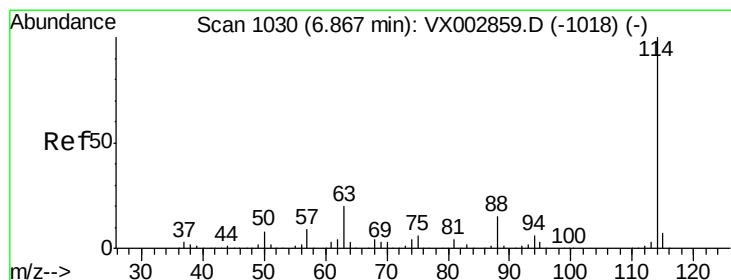
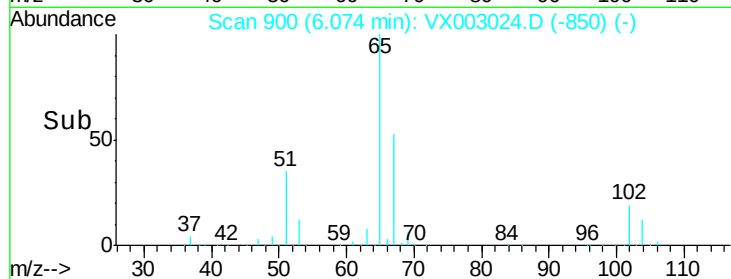
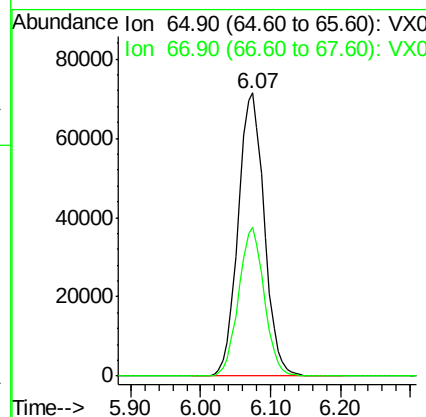
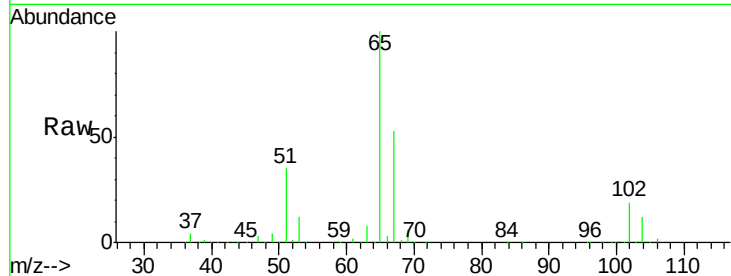




#33
 1,2-Dichloroethane-d4
 Concen: 46.96 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003024.D
 Acq: 29 Jun 2018 13:12

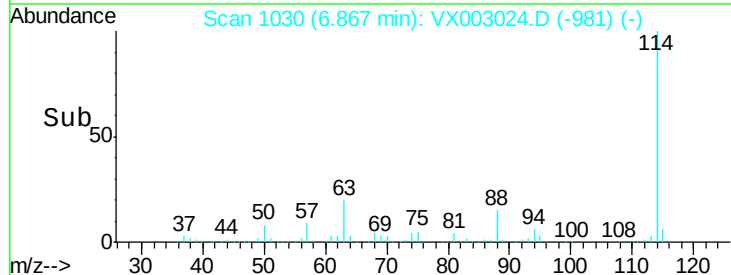
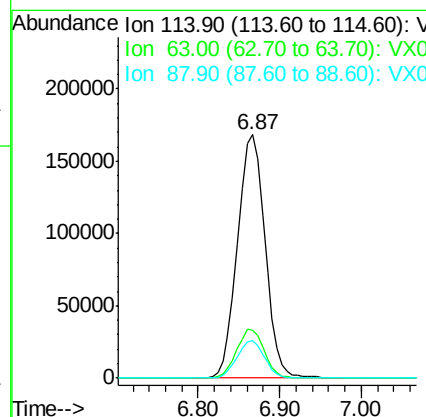
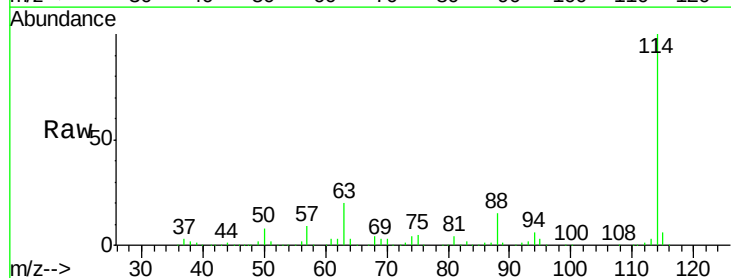
Instrument :
 MSVOA_X
 ClientSampleId :

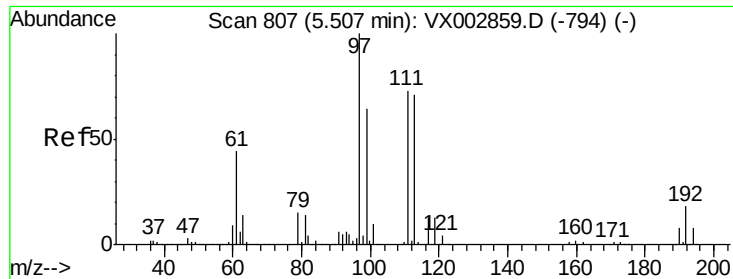
Tot Ion: 65 Resp: 185421
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003024.D
 Acq: 29 Jun 2018 13:12

Tgt Ion: 114 Resp: 394990
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 15.4 0.0 30.0

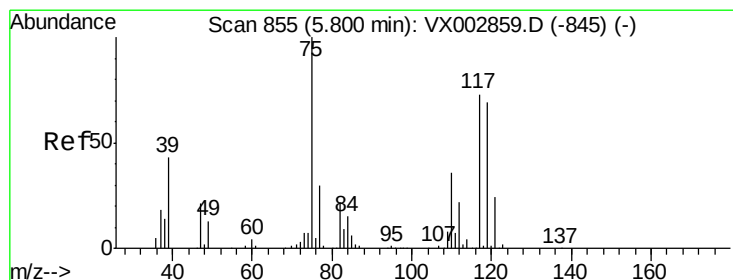
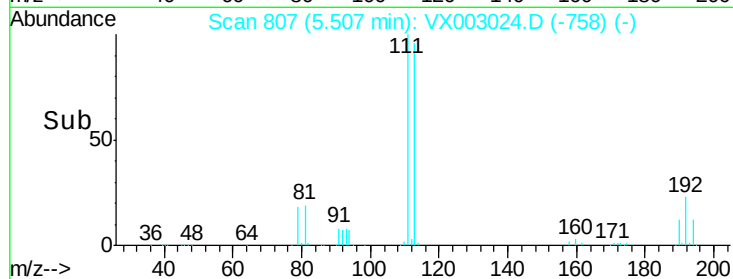
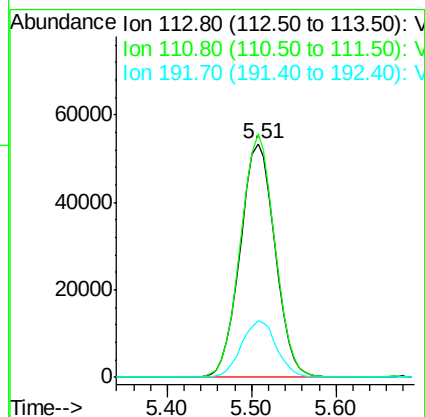
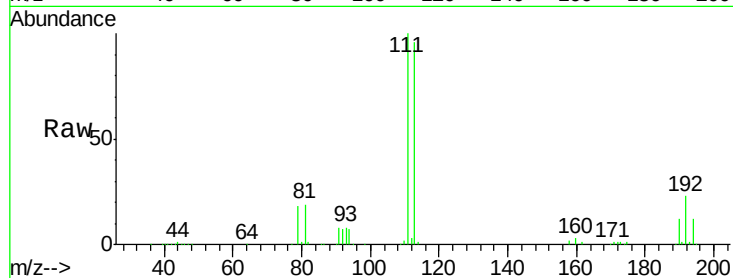




#35
 Dibromofluoromethane
 Concen: 47.91 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003024.D
 Acq: 29 Jun 2018 13:12

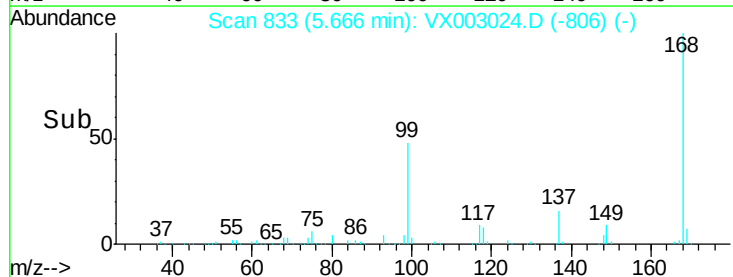
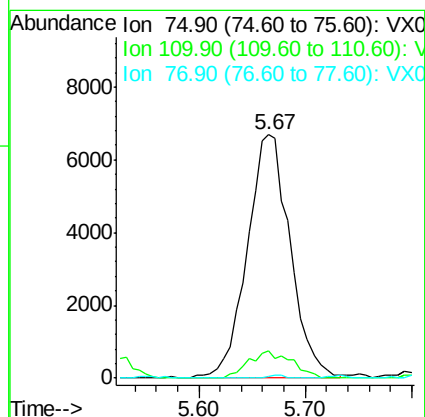
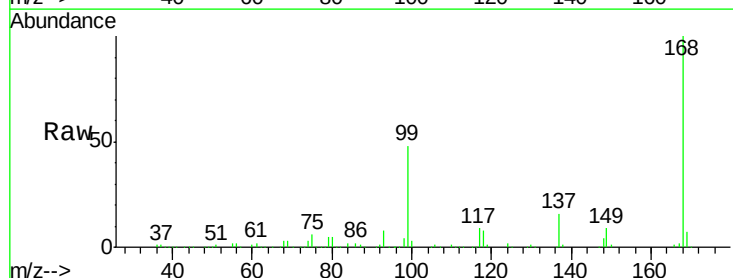
Instrument :
 MSVOA_X
 ClientSampleId :

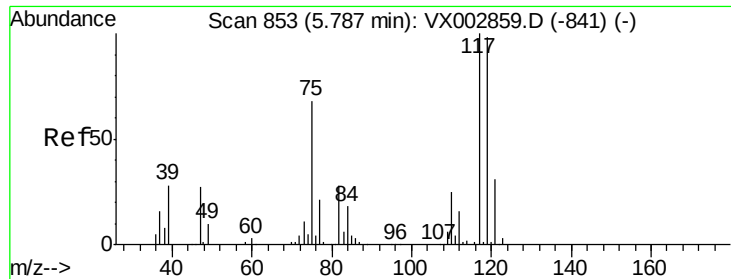
Tot Ion:113 Resp: 149870
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 24.3 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.36 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003024.D
 Acq: 29 Jun 2018 13:12

Tgt Ion: 75 Resp: 18884
 Ion Ratio Lower Upper
 75 100
 110 11.1 18.1 54.4#
 77 0.4 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.40 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

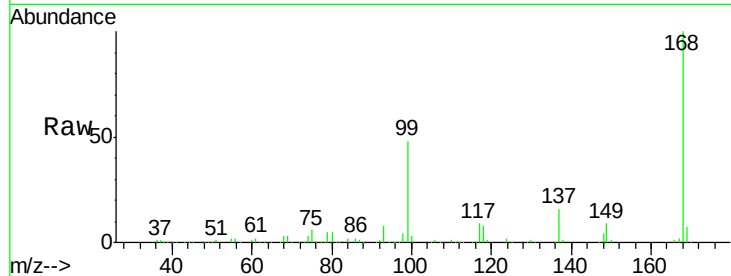
Tot Ion:117 Resp: 25671

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

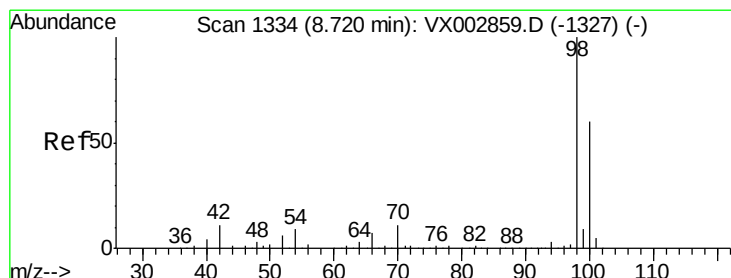
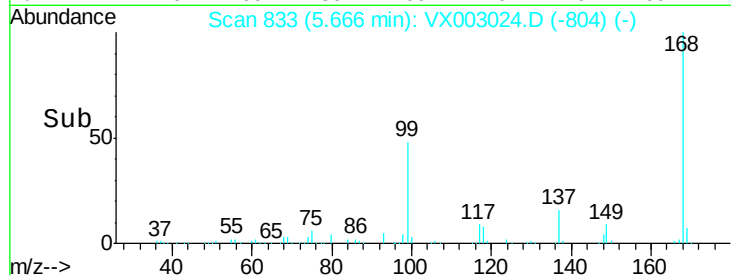
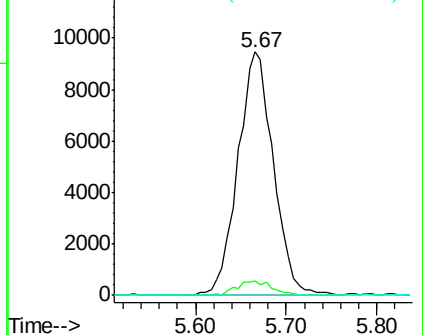
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 48.73 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003024.D

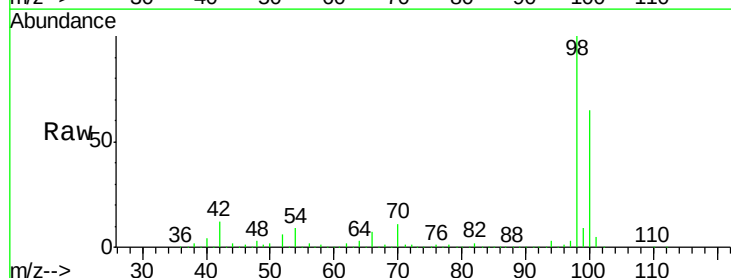
Acq: 29 Jun 2018 13:12

Tgt Ion: 98 Resp: 556588

Ion Ratio Lower Upper

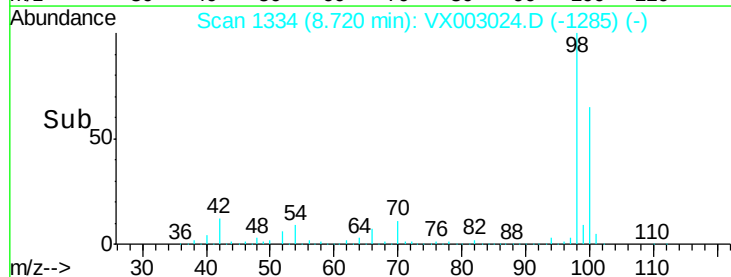
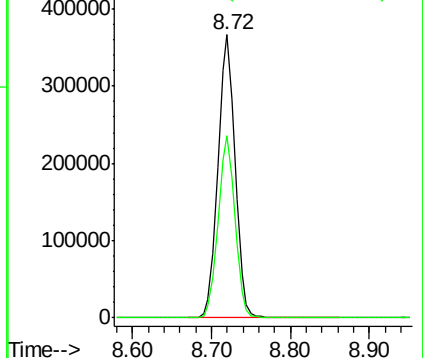
98 100

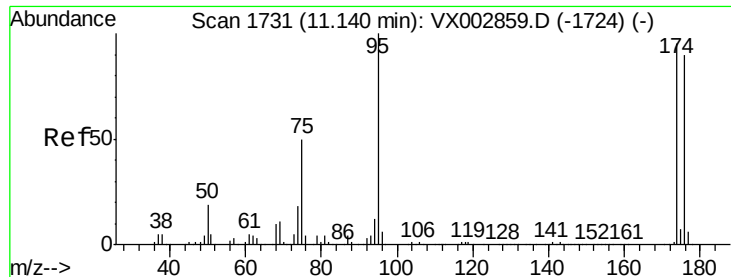
100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

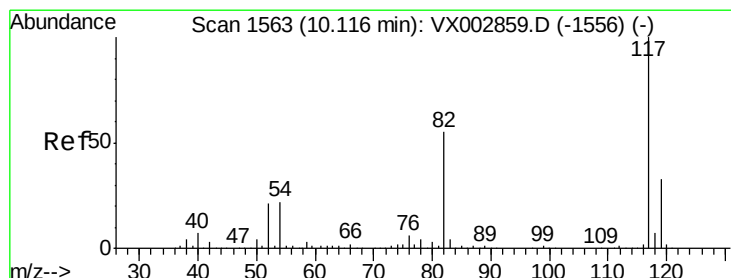
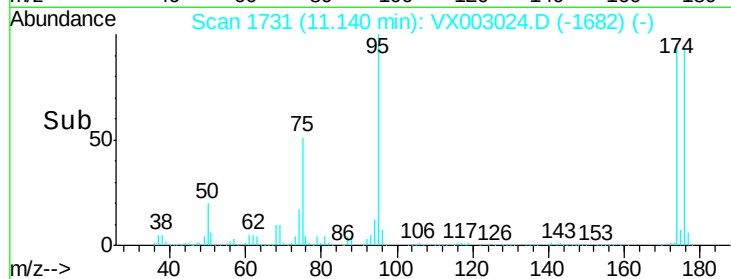
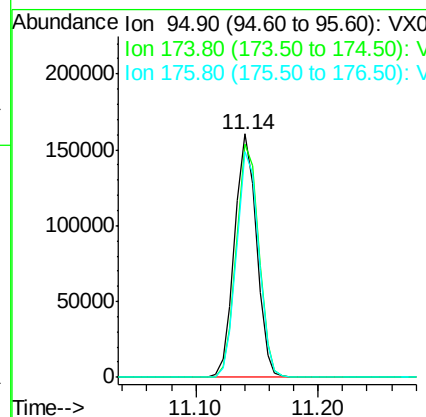
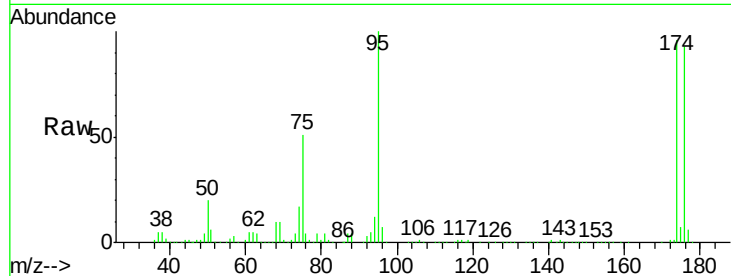




#62
4-Bromofluorobenzene
Concen: 44.93 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003024.D
Acq: 29 Jun 2018 13:12

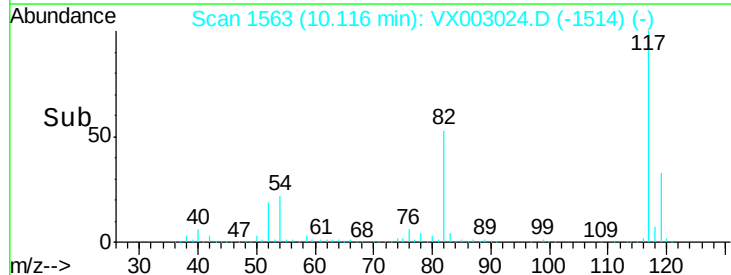
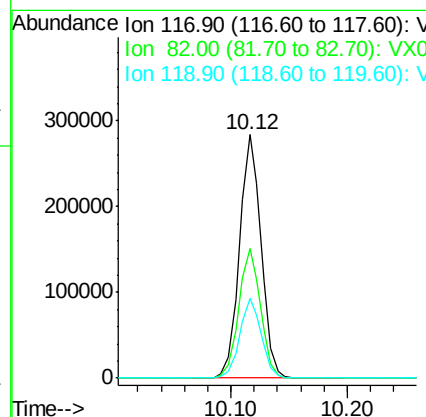
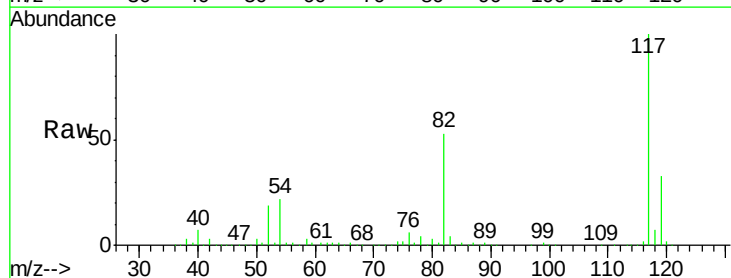
Instrument :
MSVOA_X
ClientSampleId :

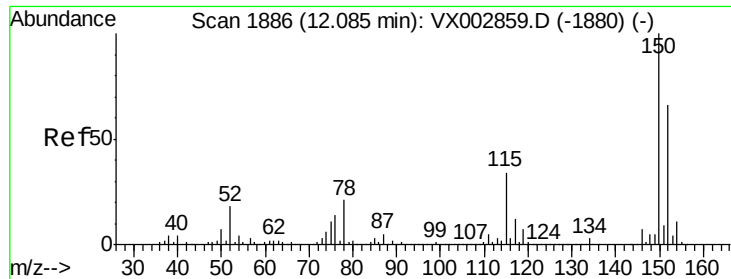
Tot Ion: 95 Resp: 197920
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 94.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003024.D
Acq: 29 Jun 2018 13:12

Tgt Ion: 117 Resp: 366629
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003024.D

Acq: 29 Jun 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

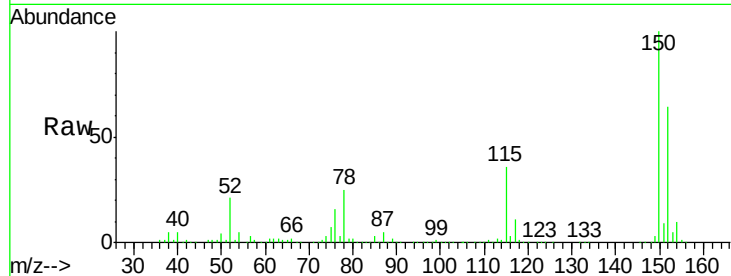
Tot Ion:152 Resp: 210484

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

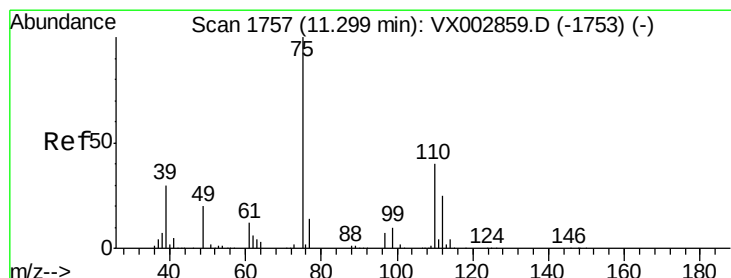
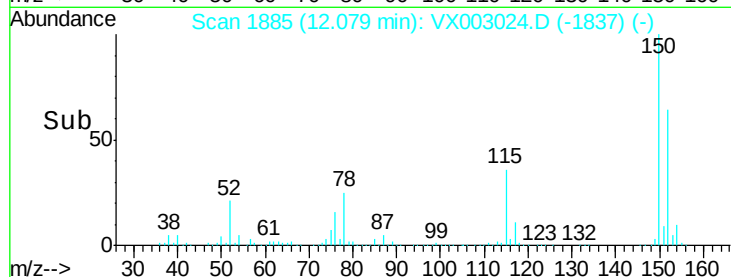
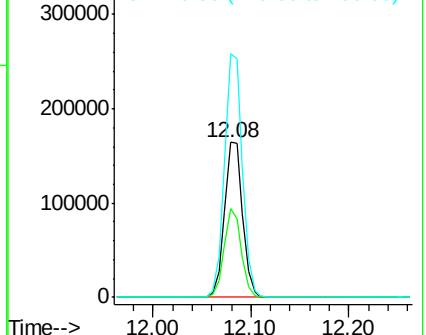
150 155.5 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 26.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003024.D

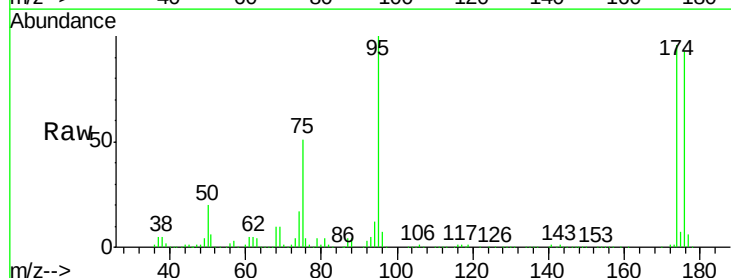
Acq: 29 Jun 2018 13:12

Tgt Ion: 75 Resp: 100597

Ion Ratio Lower Upper

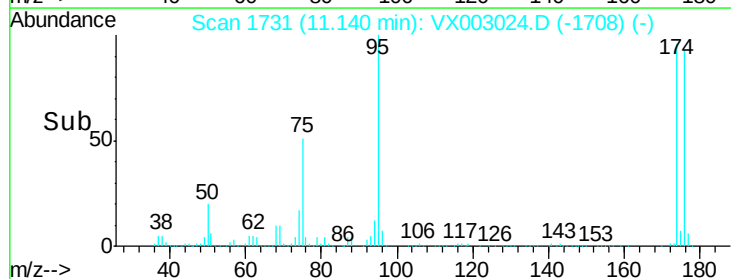
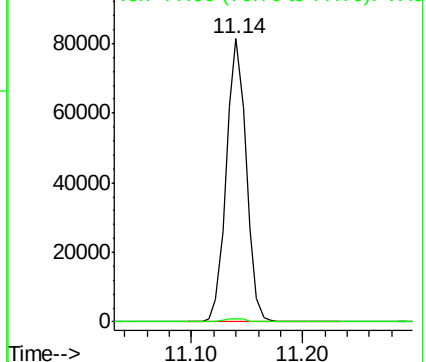
75 100

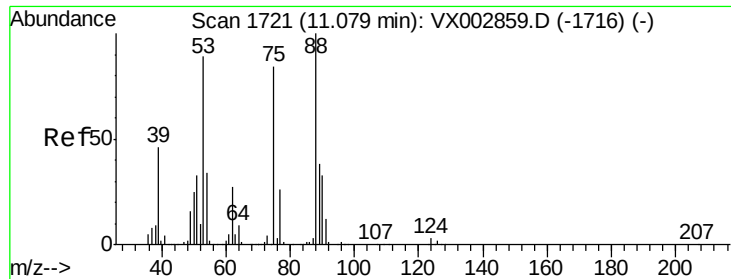
77 1.2 22.8 68.3#



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: 74.77 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003024.D
 Acq: 29 Jun 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 100597
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

