

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050618\
 Data File : VX001438.D
 Acq On : 06 May 2018 12:16
 Operator : JC/MD
 Sample : VX0506WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBL01

Quant Time: May 07 07:07:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170937	50.00	ug/l	0.00

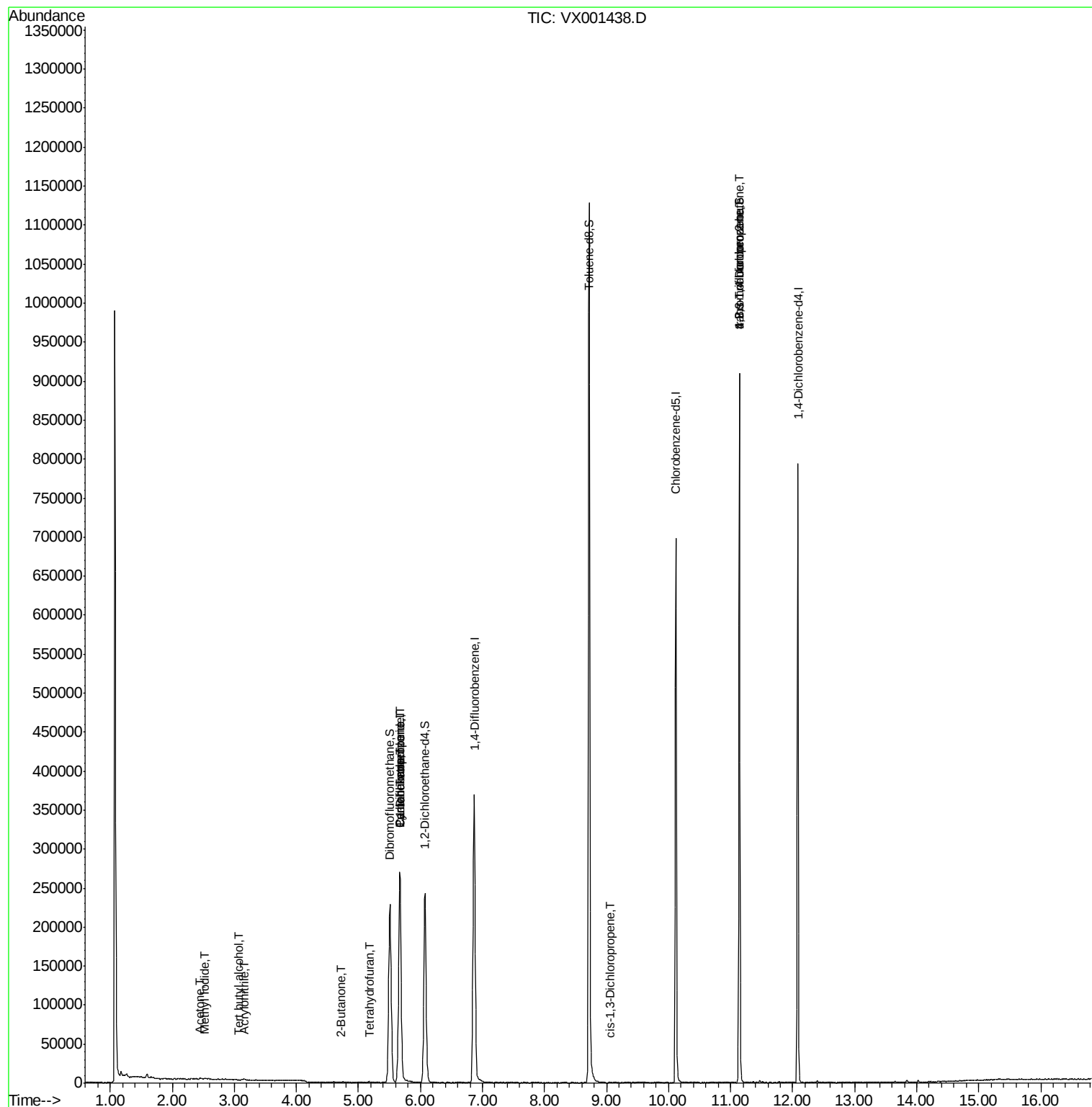
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	235092	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
35) Dibromofluoromethane	5.51	113	184752	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	8.72	98	671847	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	11.14	95	217672	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	977	Below Cal		99
10) Methyl Iodide	2.52	142	1444	0.29 ug/l		96
11) Tert butyl alcohol	3.06	59	298	0.35 ug/l #		72
13) Acrolein	2.29	56	203	Below Cal #		13
15) Acrylonitrile	3.15	53	737	0.38 ug/l		100
16) Acetone	2.45	43	1553	0.84 ug/l		98
25) 2-Butanone	4.72	43	632	0.24 ug/l		100
29) Tetrahydrofuran	5.17	42	1257	0.73 ug/l #		33
31) Cyclohexane	5.67	56	5122	0.97 ug/l #		13
36) 1,1-Dichloropropene	5.67	75	18070	3.68 ug/l #		49
38) Carbon Tetrachloride	5.67	117	24719	4.72 ug/l #		16
54) cis-1,3-Dichloropropene	9.05	75	112	2.28 ug/l #		31
76) 1,2,3-Trichloropropane	11.14	75	108846	31.40 ug/l #		38
81) trans-1,4-Dichloro-2-buten	11.14	75	108846	95.81 ug/l #		7

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

Instrument :
MSVOA_X
ClientSampleId :
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

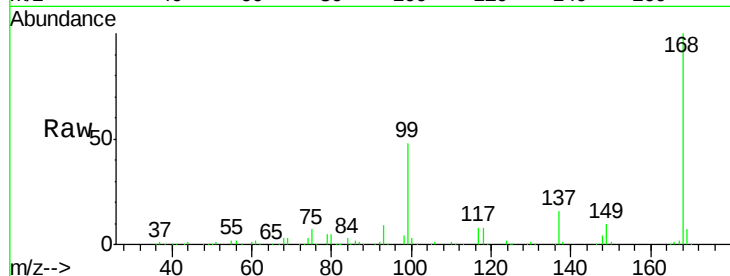
VX0506WBL01

Tgt Ion:168 Resp: 284380

Ion Ratio Lower Upper

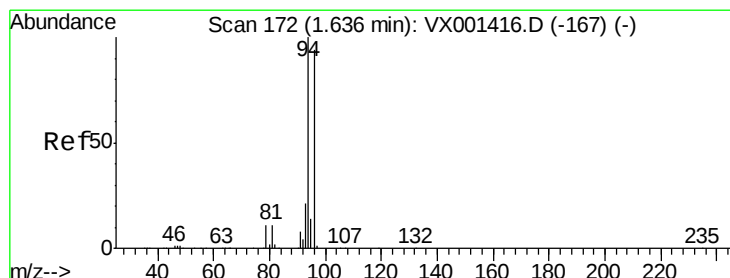
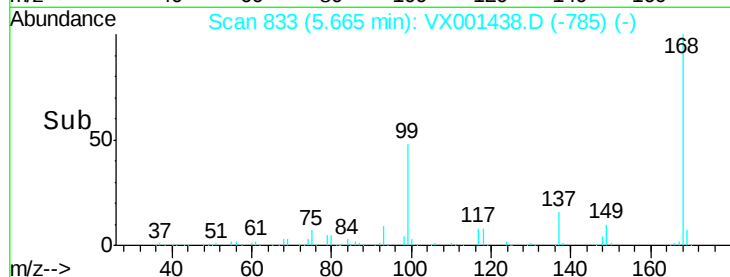
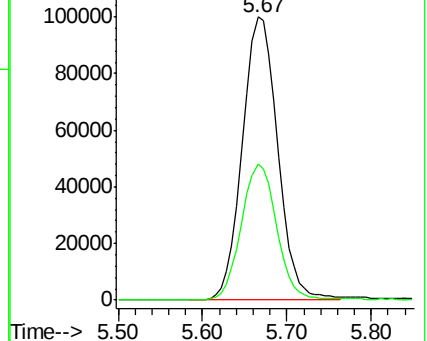
168 100

99 48.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001438.D

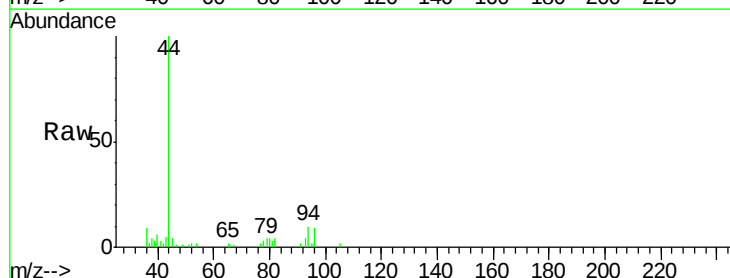
Acq: 06 May 2018 12:16

Tgt Ion: 94 Resp: 977

Ion Ratio Lower Upper

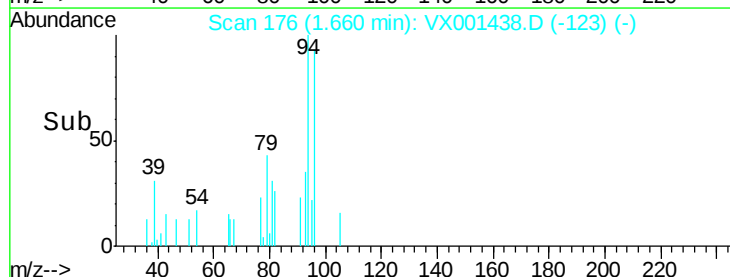
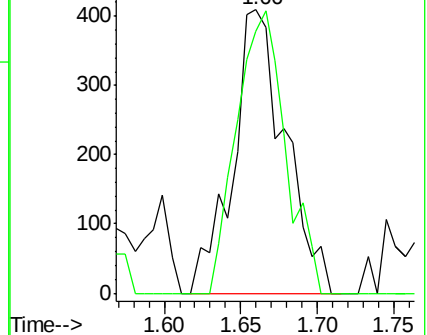
94 100

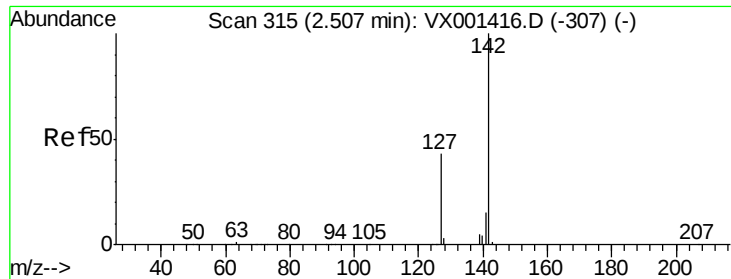
96 92.7 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

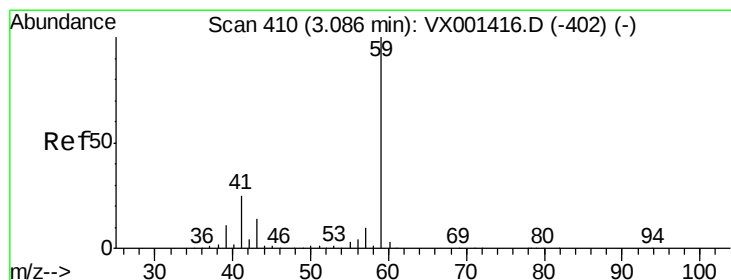
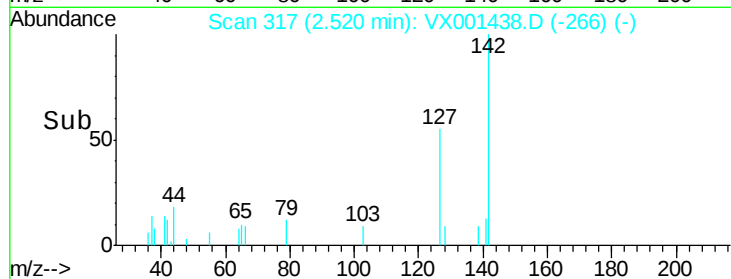
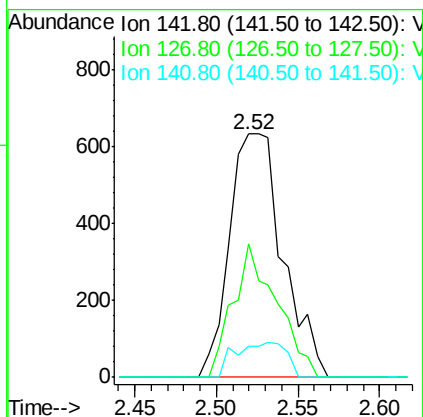
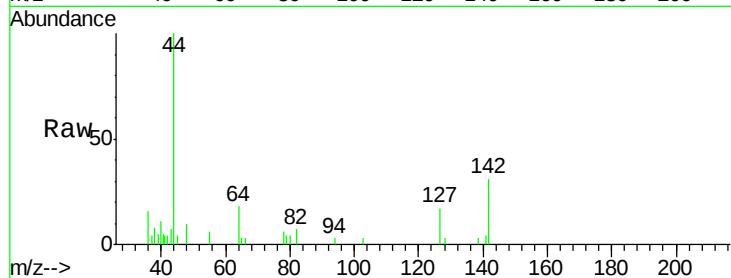




#10
Methyl Iodide
Concen: 0.29 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001438.D
Acq: 06 May 2018 12:16

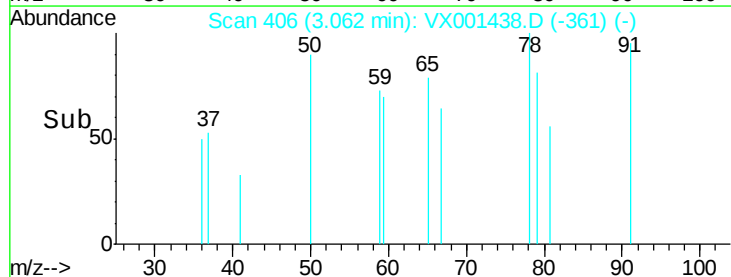
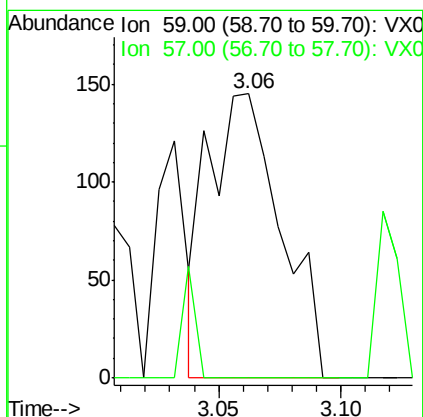
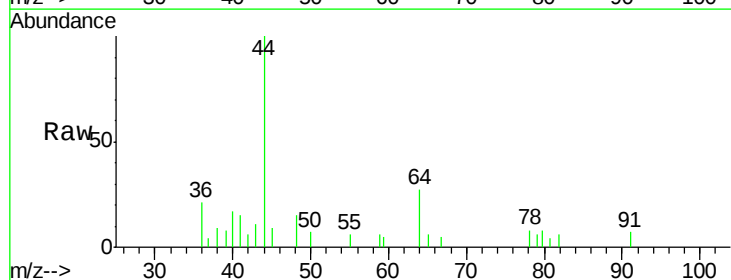
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

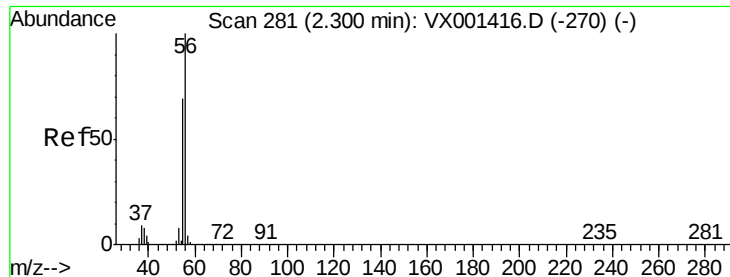
Tgt Ion: 142 Resp: 1444
Ion Ratio Lower Upper
142 100
127 44.7 33.6 50.4
141 13.6 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX001438.D
Acq: 06 May 2018 12:16

Tgt Ion: 59 Resp: 298
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

Instrument :

MSVOA_X

ClientSampled :

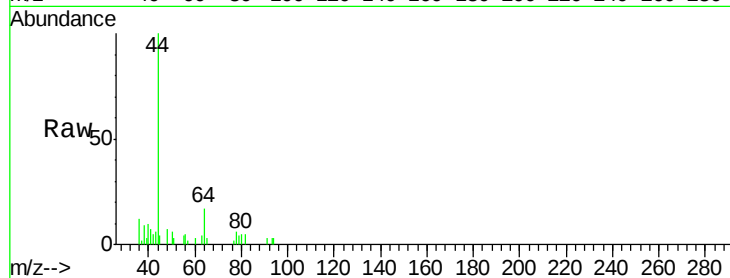
VX0506WBL01

Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 138.4 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

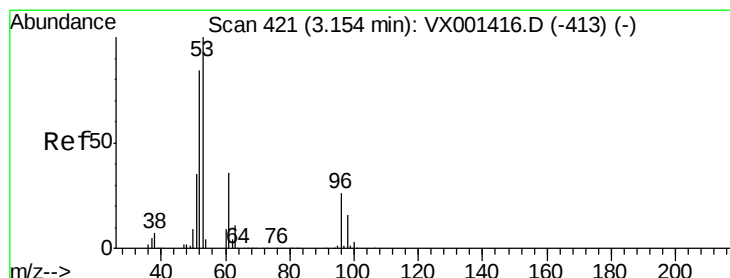
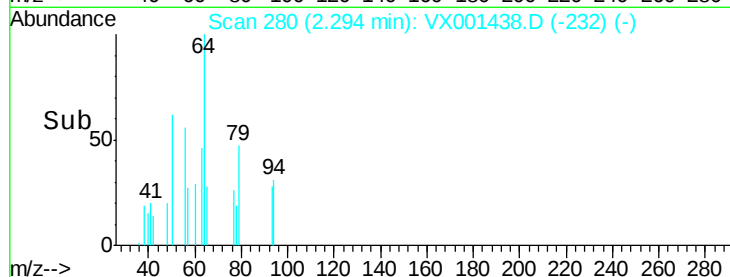
150

100

50

0

Time--> 2.25 2.30



#15

Acrylonitrile

Concen: 0.38 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

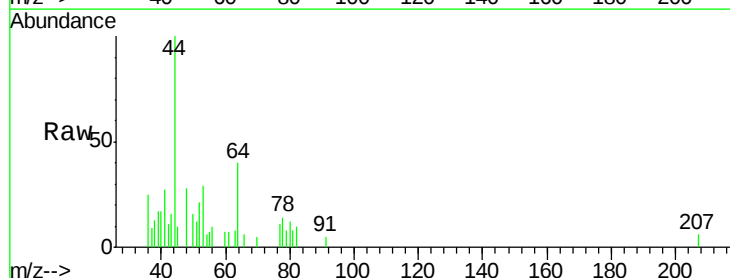
Tgt Ion: 53 Resp: 737

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

51 35.3 28.6 43.0



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

400

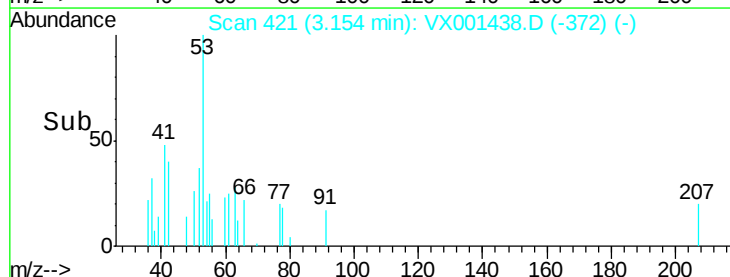
300

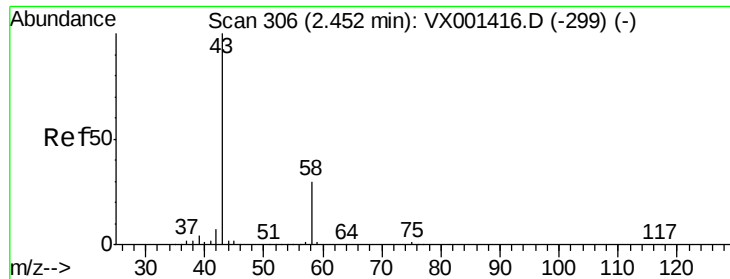
200

100

0

Time--> 3.10 3.15 3.20





#16

Acetone

Concen: 0.84 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

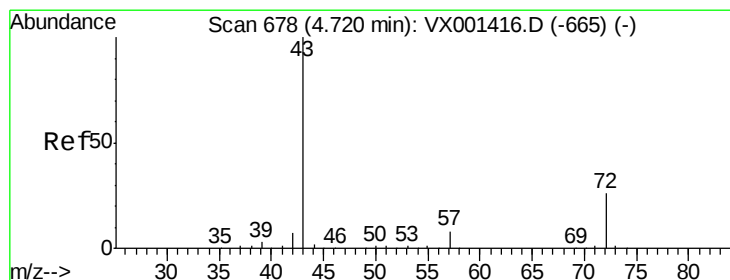
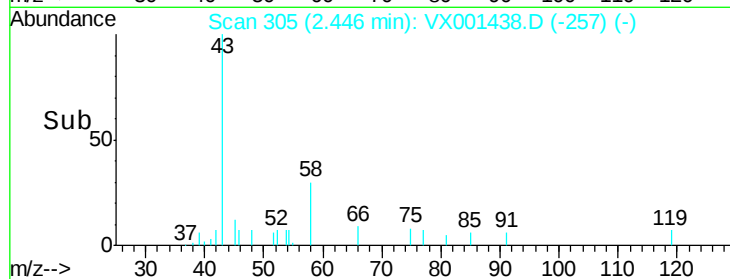
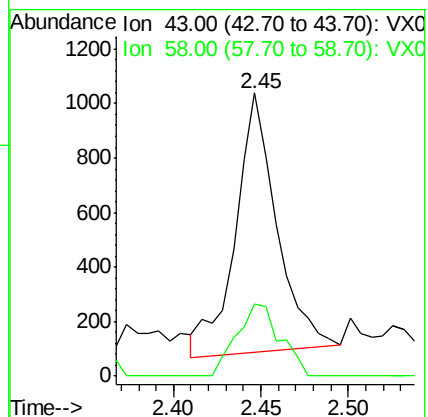
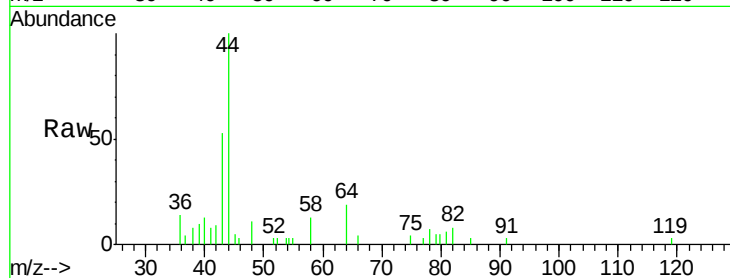
VX0506WBL01

Tgt Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

58 28.7 23.8 35.8



#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001438.D

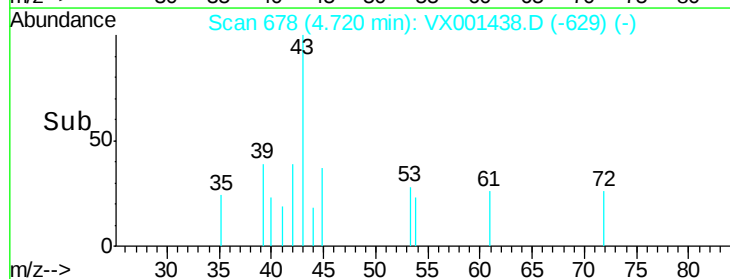
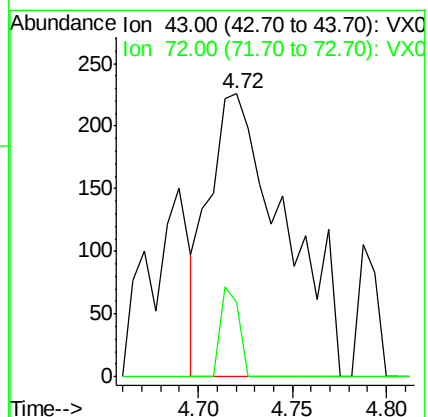
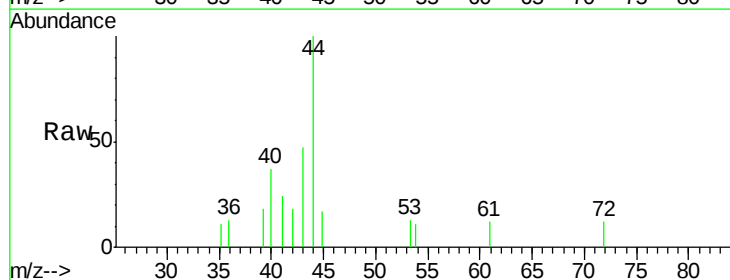
Acq: 06 May 2018 12:16

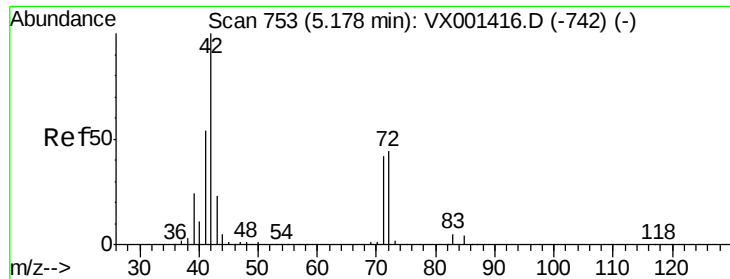
Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

72 26.1 20.7 31.1





#29

Tetrahydrofuran

Concen: 0.73 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBL01

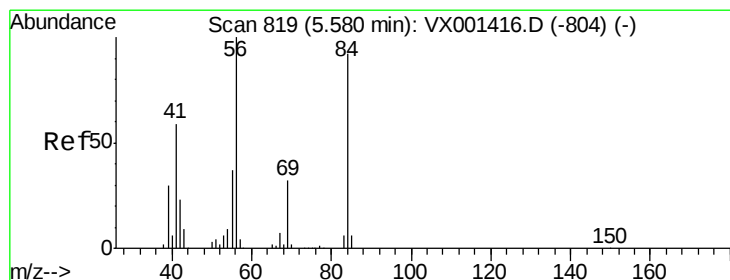
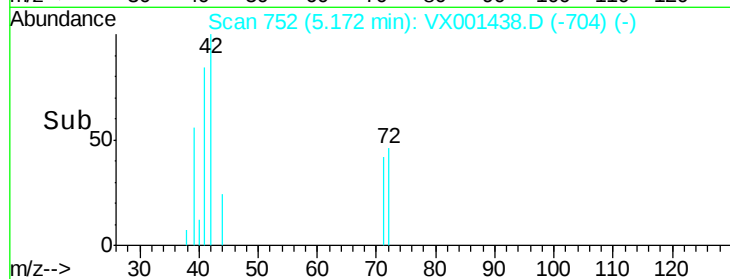
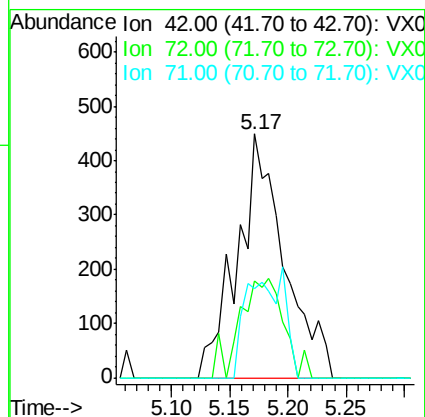
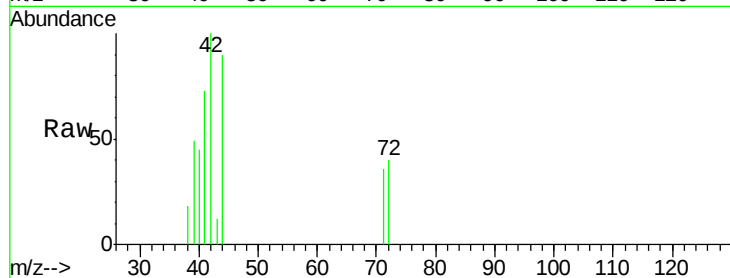
Tgt Ion: 42 Resp: 1257

Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

71 0.0 33.0 49.4#



#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

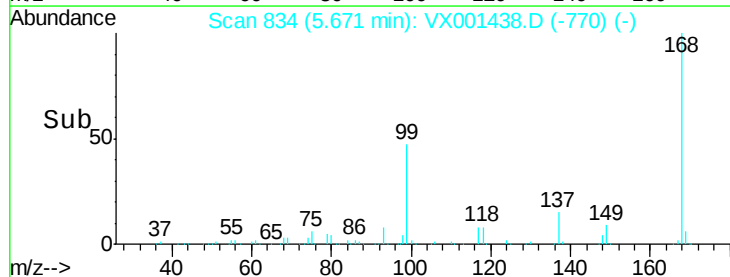
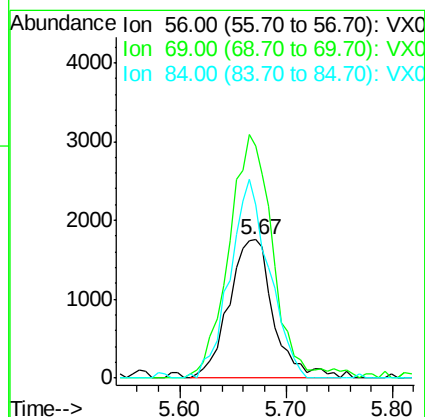
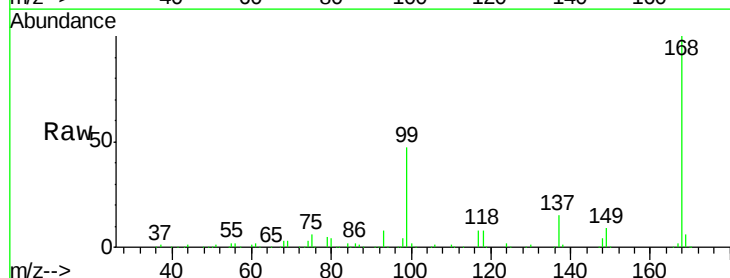
Tgt Ion: 56 Resp: 5122

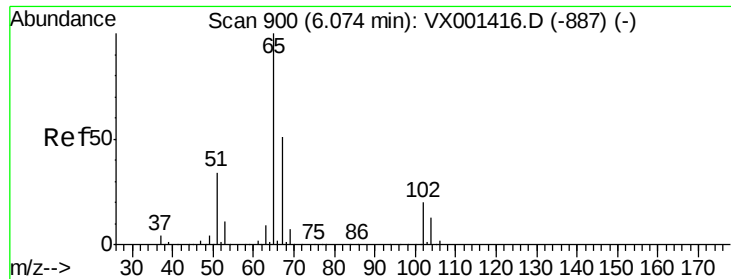
Ion Ratio Lower Upper

56 100

69 164.5 25.4 38.0#

84 125.4 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 57.52 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

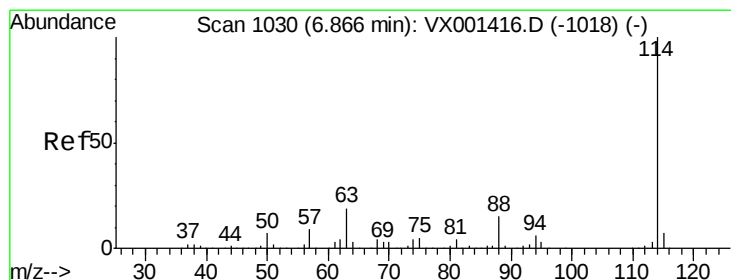
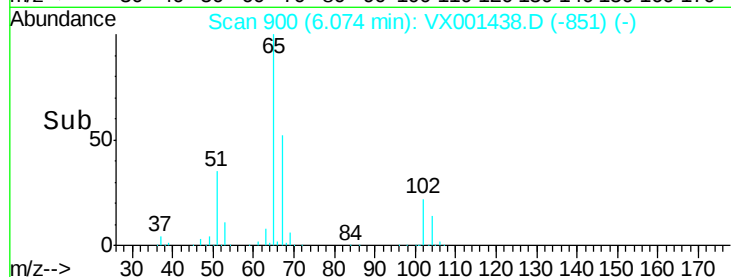
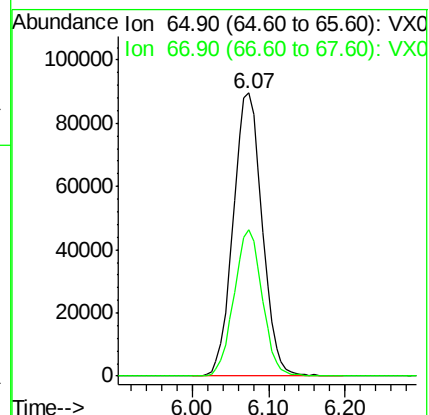
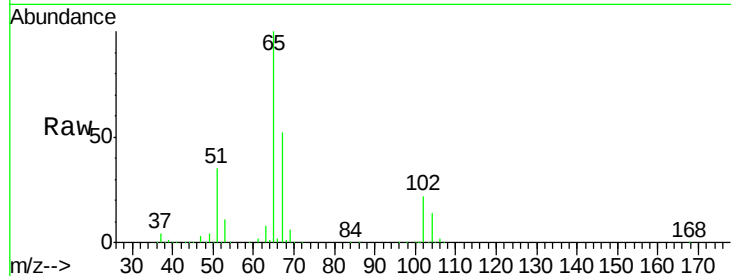
VX0506WBL01

Tgt Ion: 65 Resp: 235092

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

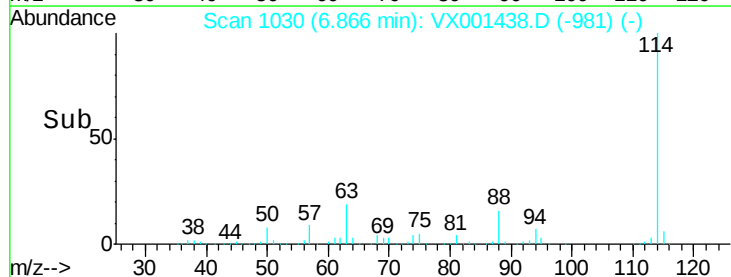
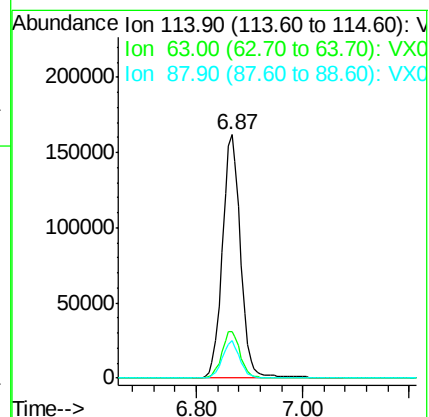
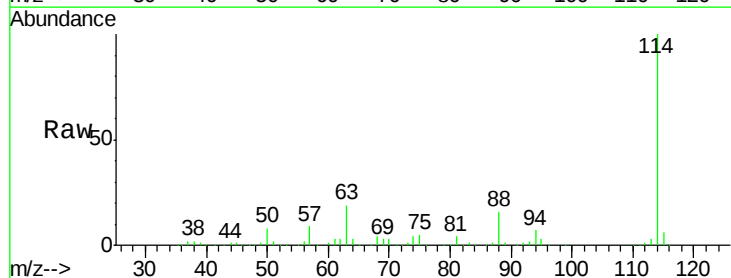
Tgt Ion: 114 Resp: 385984

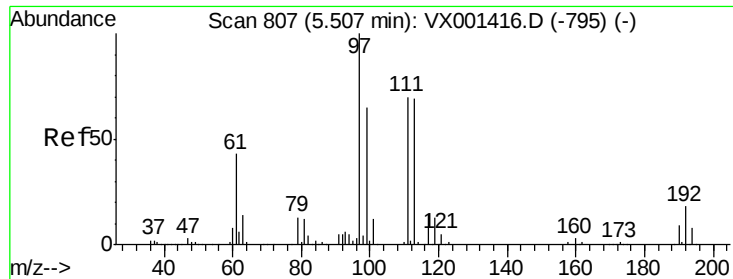
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.81 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBL01

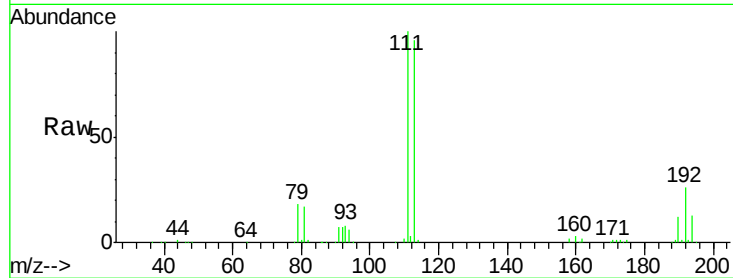
Tgt Ion:113 Resp: 184752

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

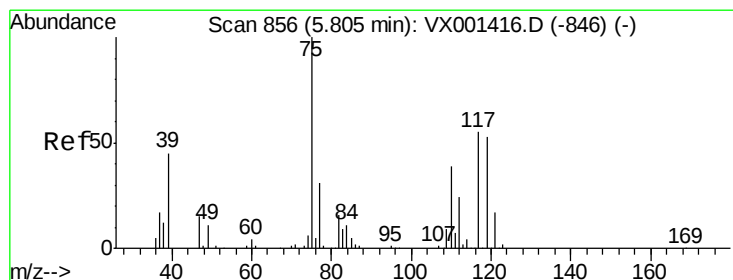
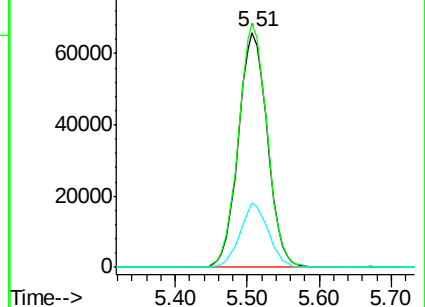
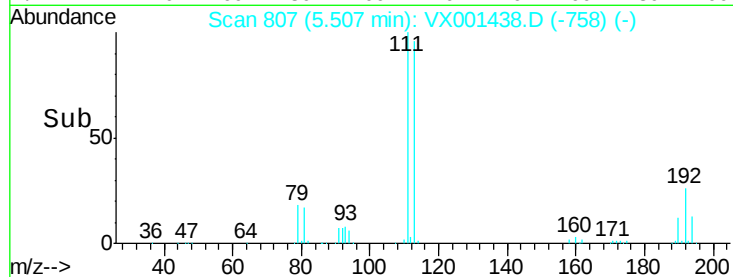
192 26.6 21.4 32.0



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: 3.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

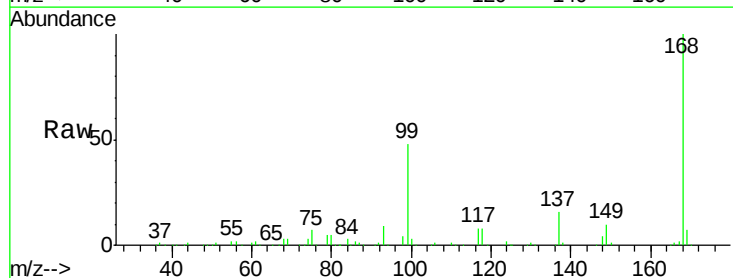
Tgt Ion: 75 Resp: 18070

Ion Ratio Lower Upper

75 100

110 9.8 18.9 56.7#

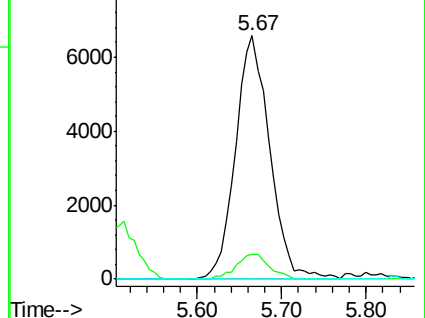
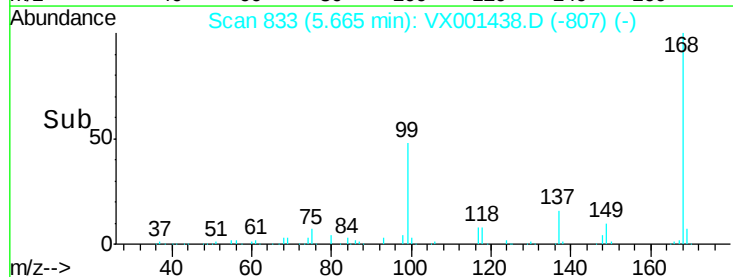
77 0.0 24.9 37.3#

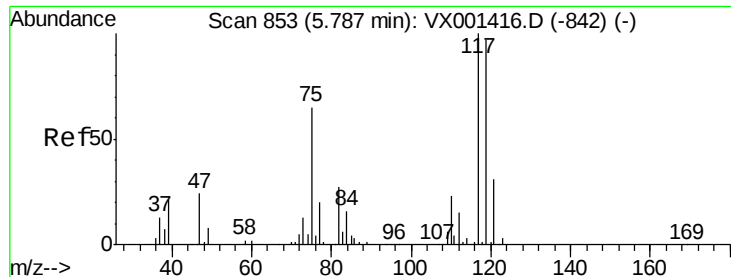


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001438.D

Acq: 06 May 2018 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0506WBL01

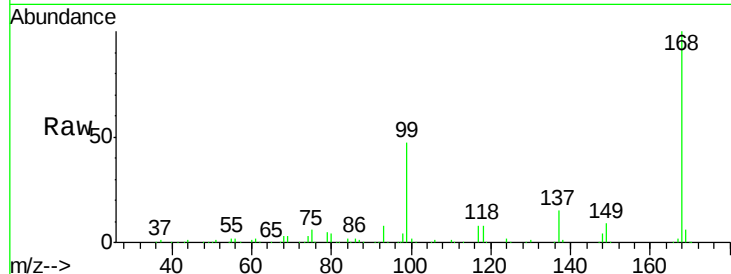
Tgt Ion: 117 Resp: 24719

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.6#

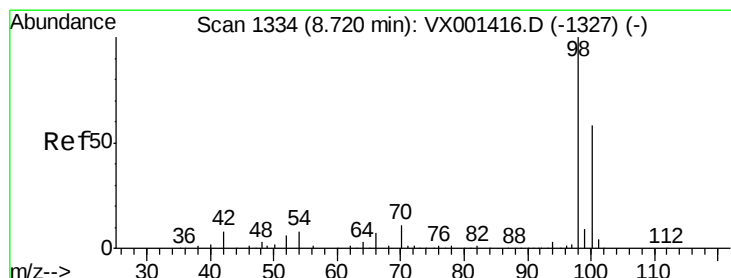
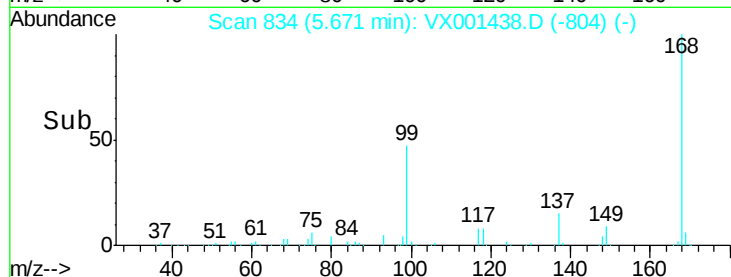
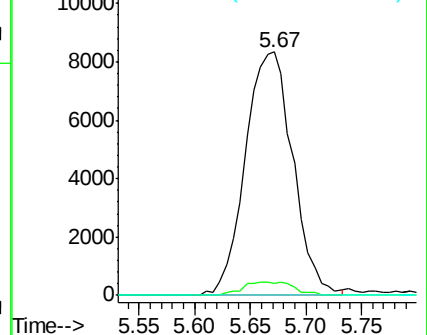
121 0.0 25.1 37.7#



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: 53.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001438.D

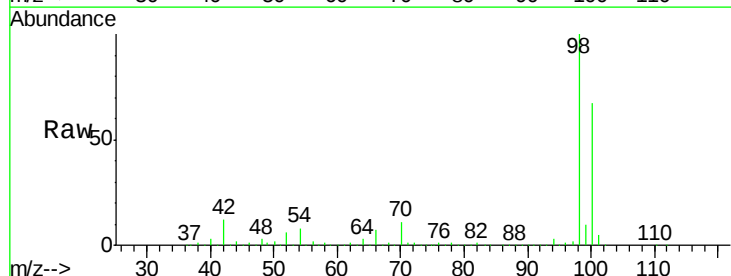
Acq: 06 May 2018 12:16

Tgt Ion: 98 Resp: 671847

Ion Ratio Lower Upper

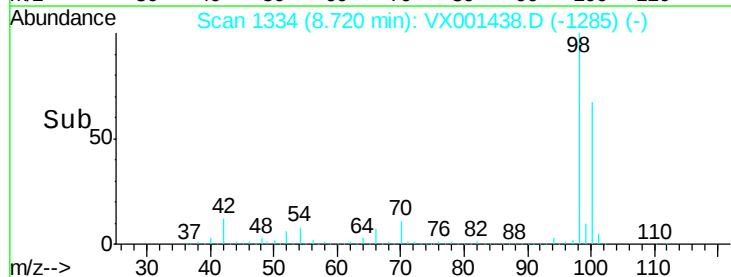
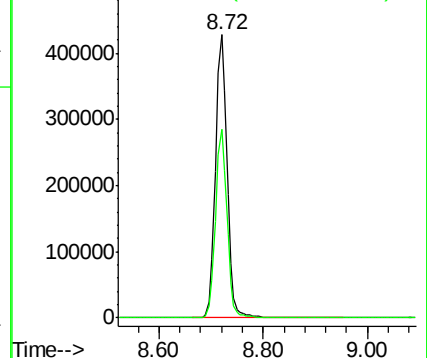
98 100

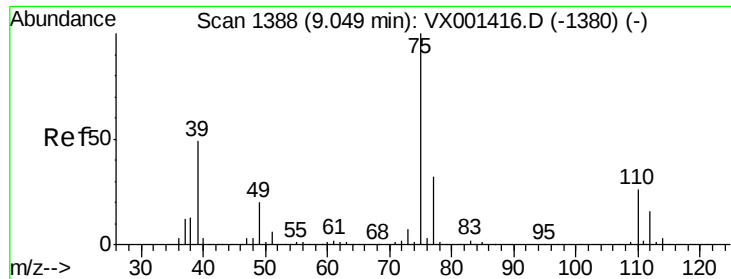
100 66.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

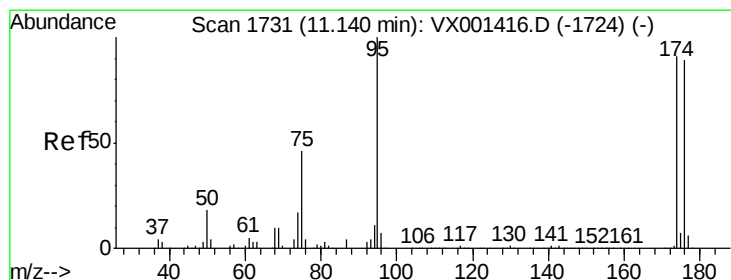
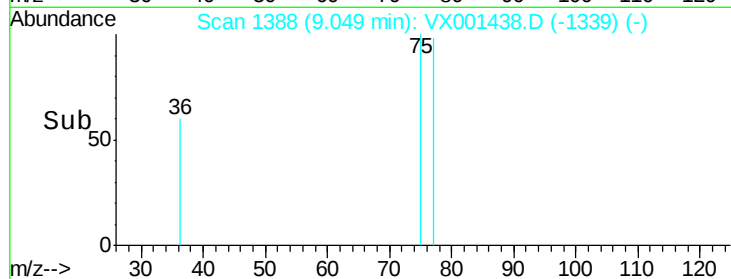
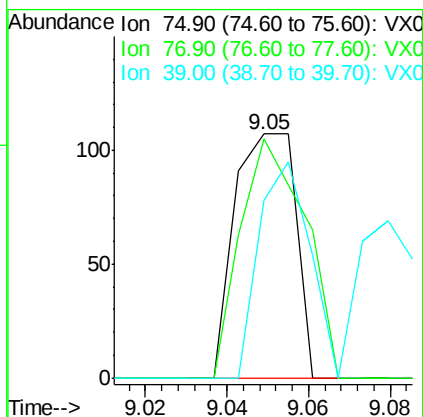
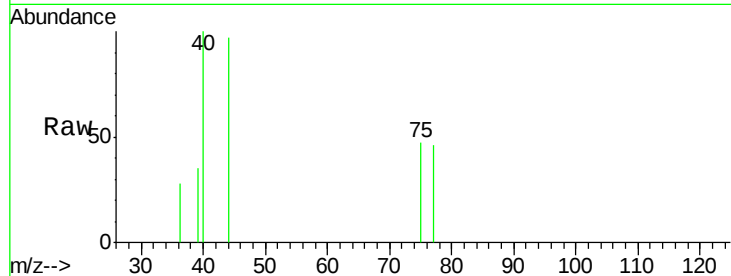




#54
 cis-1,3-Dichloropropene
 Concen: 2.28 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001438.D
 Acq: 06 May 2018 12:16

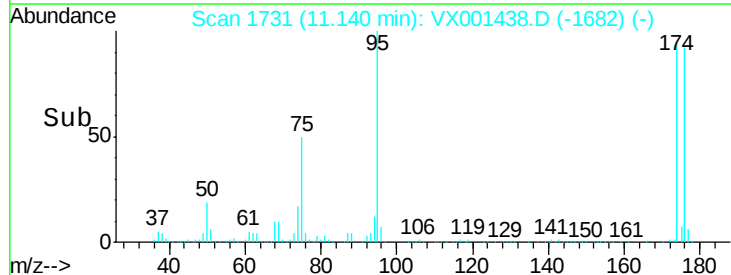
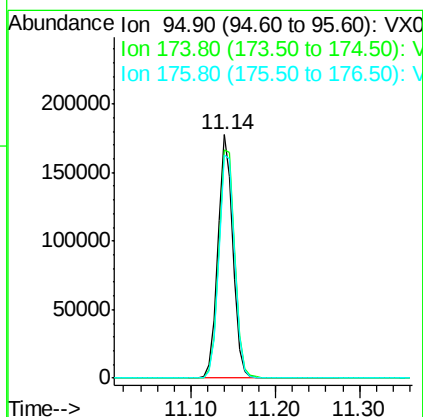
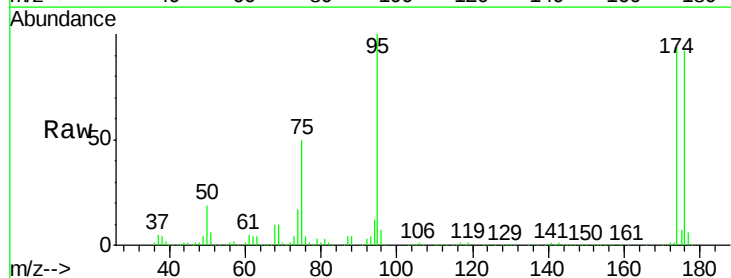
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBL01

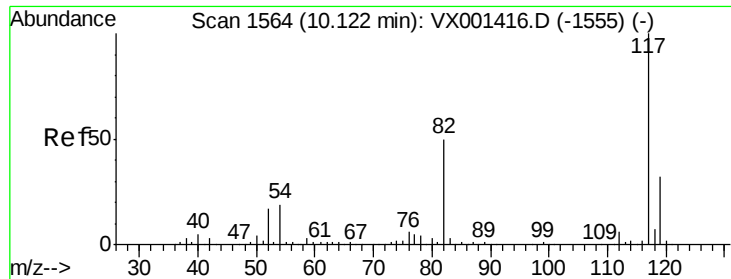
Tgt Ion: 75 Resp: 112
 Ion Ratio Lower Upper
 75 100
 77 98.1 25.5 38.3#
 39 72.9 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 45.25 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001438.D
 Acq: 06 May 2018 12:16

Tgt Ion: 95 Resp: 217672
 Ion Ratio Lower Upper
 95 100
 174 100.8 0.0 202.0
 176 97.5 0.0 197.4

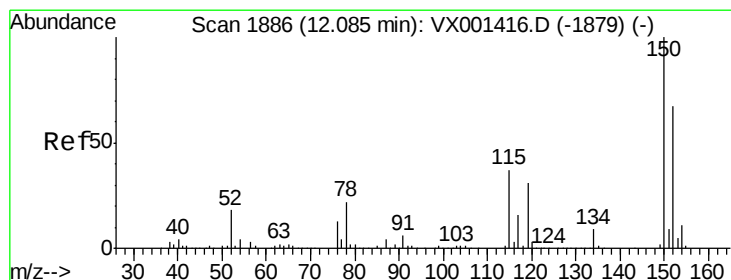
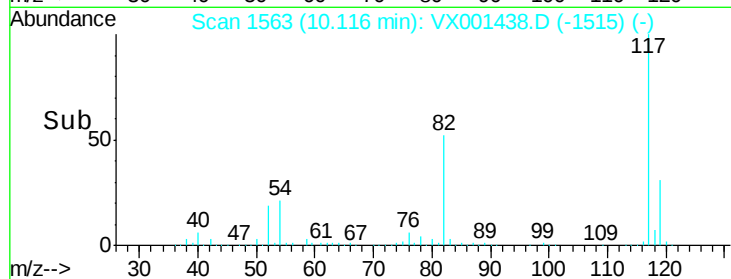
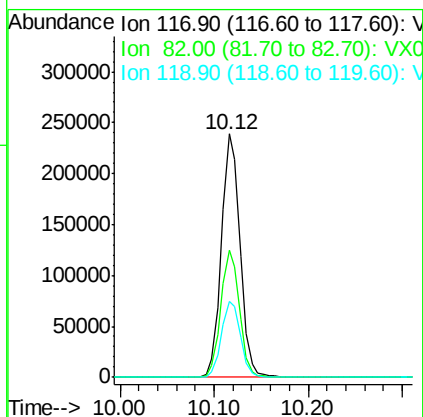
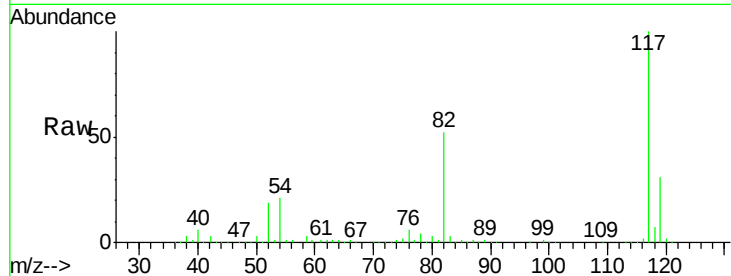




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001438.D
Acq: 06 May 2018 12:16

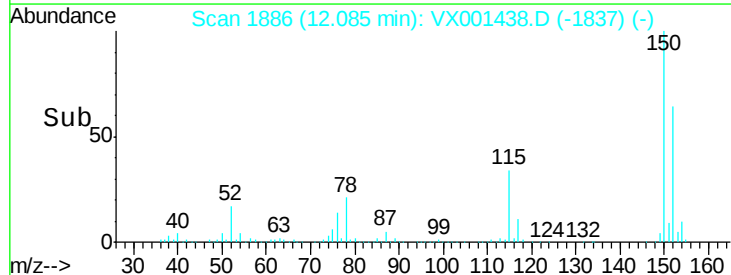
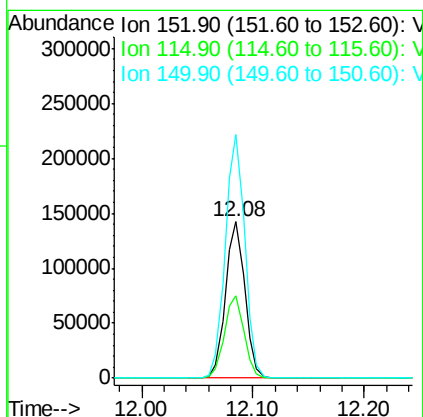
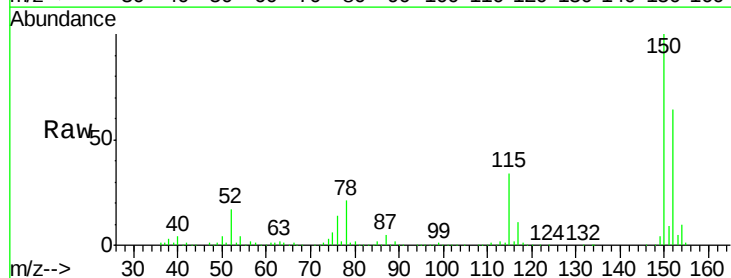
Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

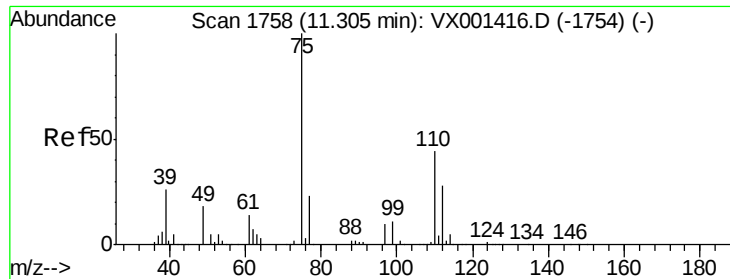
Tgt Ion:117 Resp: 328107
Ion Ratio Lower Upper
117 100
82 52.2 40.0 60.0
119 31.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001438.D
Acq: 06 May 2018 12:16

Tgt Ion:152 Resp: 170937
Ion Ratio Lower Upper
152 100
115 53.5 37.7 113.1
150 157.1 0.0 349.4

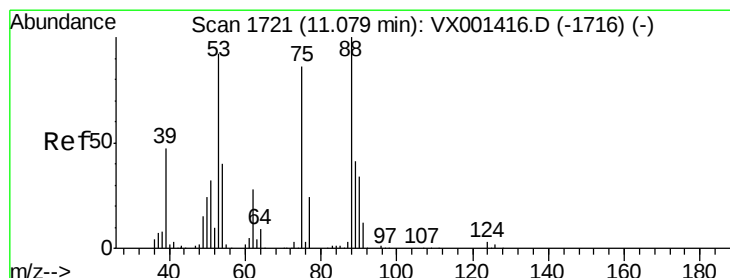
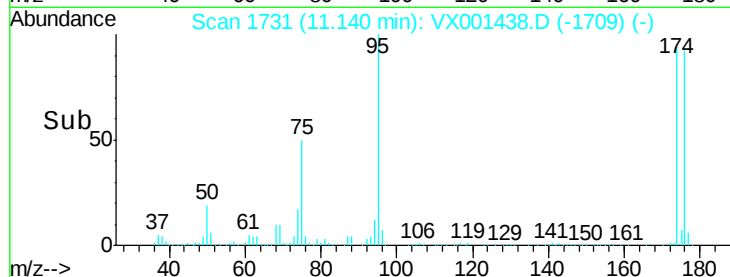
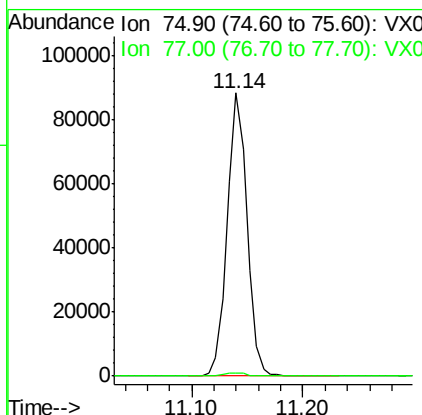
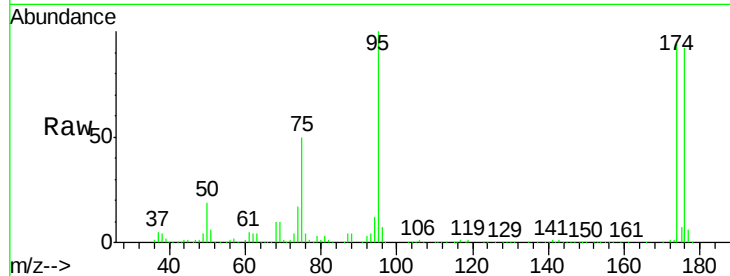




#76
 1,2,3-Trichloropropane
 Concen: 31.40 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001438.D
 Acq: 06 May 2018 12:16

Instrument :
 MSVOA_X
 ClientSampled :
 VX0506WBL01

Tgt Ion: 75 Resp: 108846
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.81 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001438.D
 Acq: 06 May 2018 12:16

Tgt Ion: 75 Resp: 108846
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

