

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX051818\
 Data File : VX001832.D
 Acq On : 18 May 2018 18:01
 Operator : JC/MD
 Sample : J2853-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:25:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	324306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	453850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	196707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	235399	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	5.51	113	203482	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	8.72	98	730061	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
62) 4-Bromofluorobenzene	11.14	95	209483	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	

Target Compounds

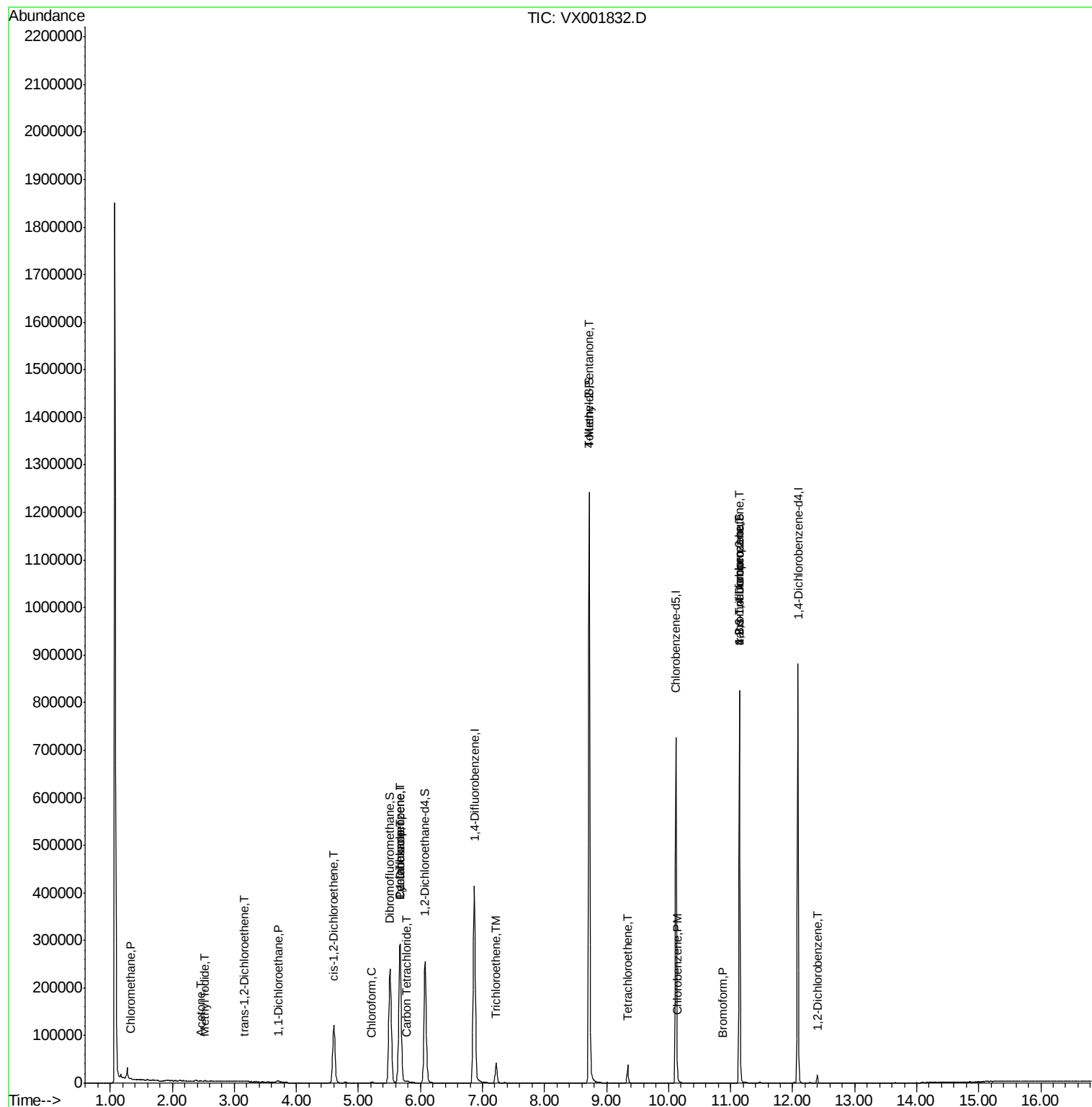
						Qvalue
3) Chloromethane	1.32	50	1063	0.30	ug/l	98
5) Bromomethane	1.65	94	1054	Below	Cal	87
10) Methyl Iodide	2.52	142	937	0.31	ug/l #	95
16) Acetone	2.46	43	818	0.48	ug/l #	76
21) trans-1,2-Dichloroethene	3.16	96	729	0.21	ug/l #	74
24) 1,1-Dichloroethane	3.70	63	1994	0.32	ug/l #	84
27) cis-1,2-Dichloroethene	4.60	96	80396	20.01	ug/l	90
30) Chloroform	5.22	83	1580	0.24	ug/l	93
31) Cyclohexane	5.67	56	4660	0.85	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18650	3.57	ug/l #	48
38) Carbon Tetrachloride	5.78	117	1830	0.33	ug/l #	76
44) Trichloroethene	7.22	130	16879	3.53	ug/l	89
51) 4-Methyl-2-Pentanone	8.72	43	2829	0.52	ug/l #	1
64) Tetrachloroethene	9.34	164	8090	1.73	ug/l	96
65) Chlorobenzene	10.15	112	2182	0.22	ug/l	95
71) Bromoform	10.86	173	195	2.99	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	98171	26.25	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	98171	76.35	ug/l #	10
91) 1,2-Dichlorobenzene	12.40	146	5617	0.80	ug/l	97

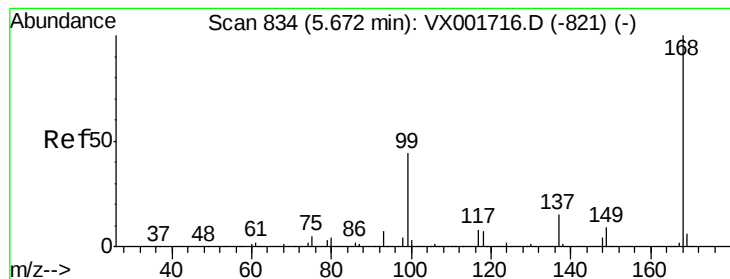
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

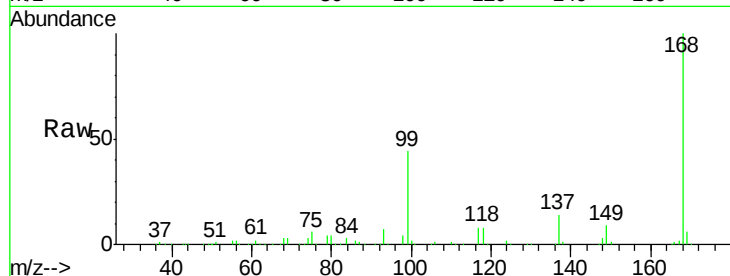
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 324306

Ion Ratio Lower Upper

168 100

99 44.4 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

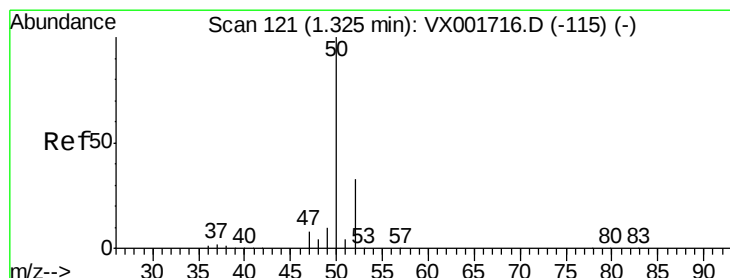
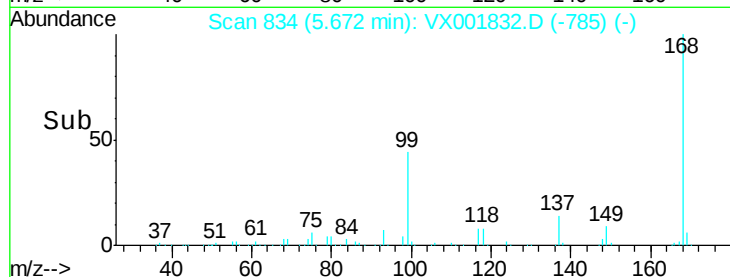
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001832.D

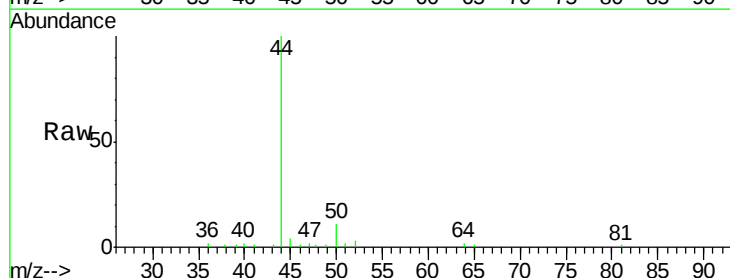
Acq: 18 May 2018 18:01

Tgt Ion: 50 Resp: 1063

Ion Ratio Lower Upper

50 100

52 31.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

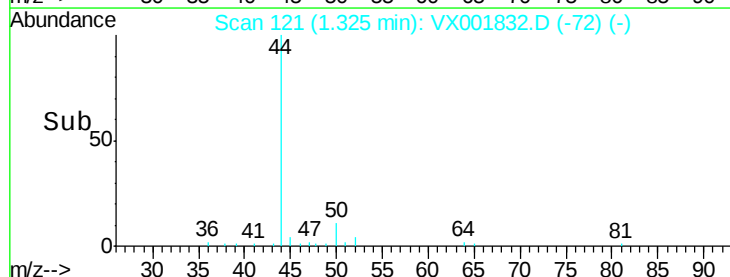
600

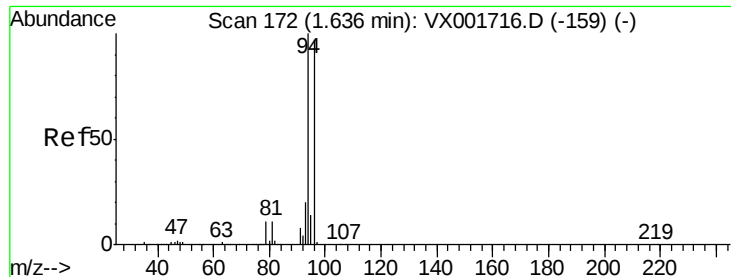
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :

MSVOA_X

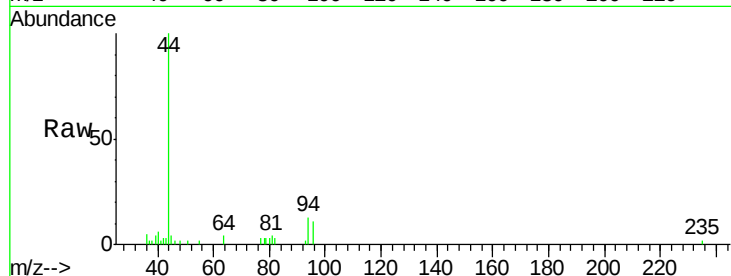
ClientSampled :

Tot Ion: 94 Resp: 1054

Ion Ratio Lower Upper

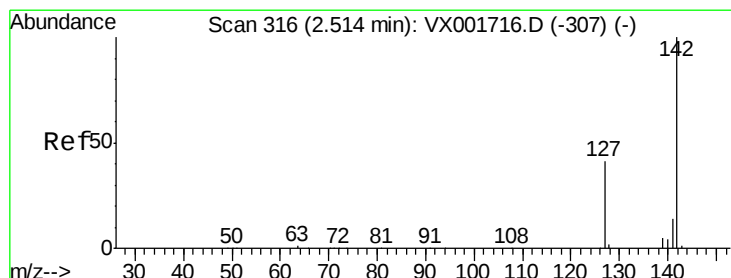
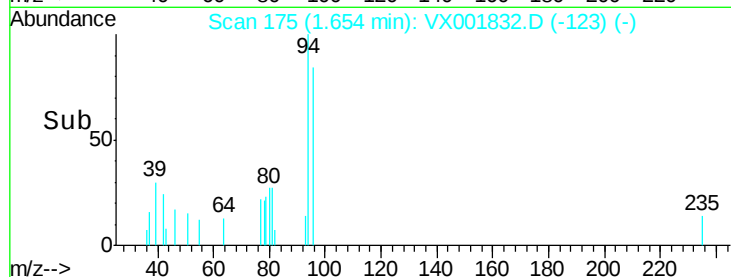
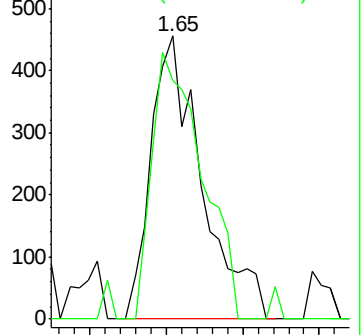
94 100

96 84.4 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.31 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

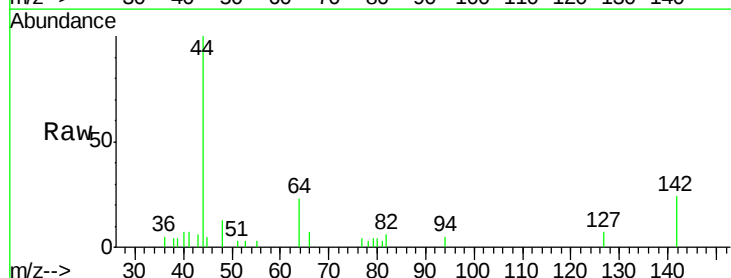
Tgt Ion: 142 Resp: 937

Ion Ratio Lower Upper

142 100

127 39.1 32.5 48.7

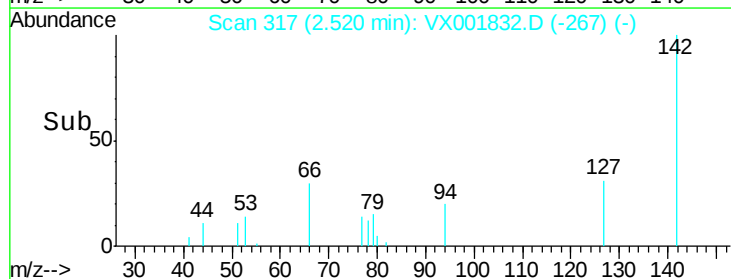
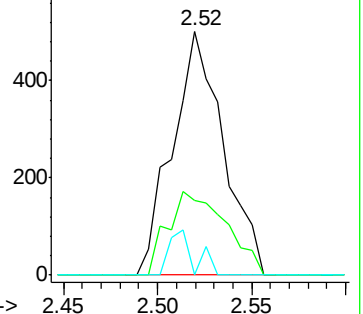
141 9.0 11.4 17.0#

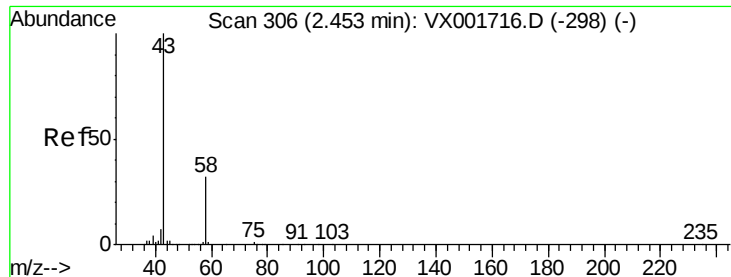


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 0.48 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :

MSVOA_X

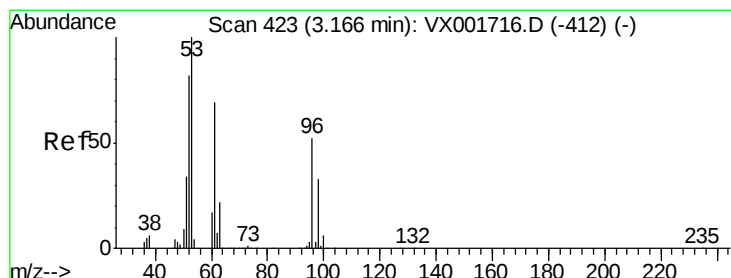
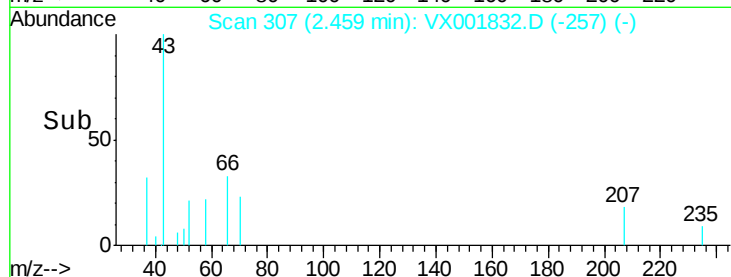
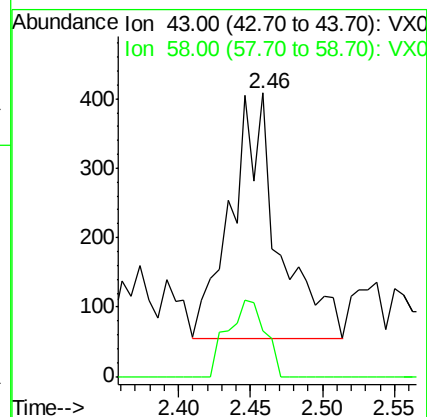
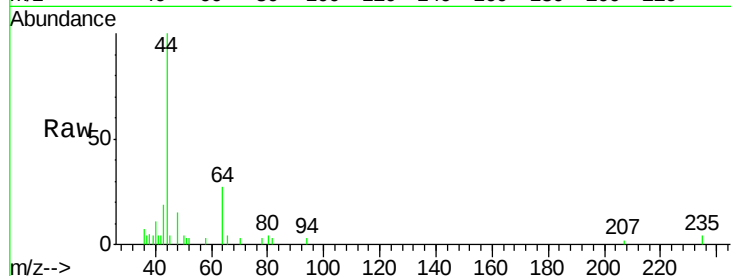
ClientSampled :

Tot Ion: 43 Resp: 818

Ion Ratio Lower Upper

43 100

58 18.4 25.3 37.9#



#21

trans-1,2-Dichloroethene

Concen: 0.21 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

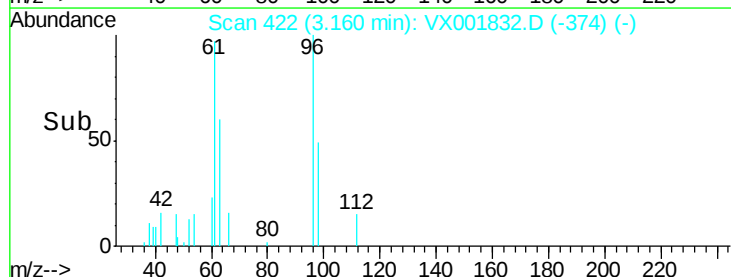
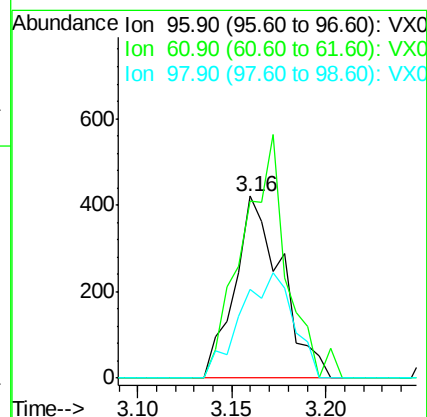
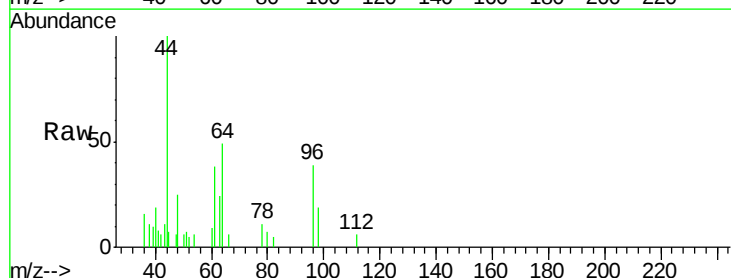
Tgt Ion: 96 Resp: 729

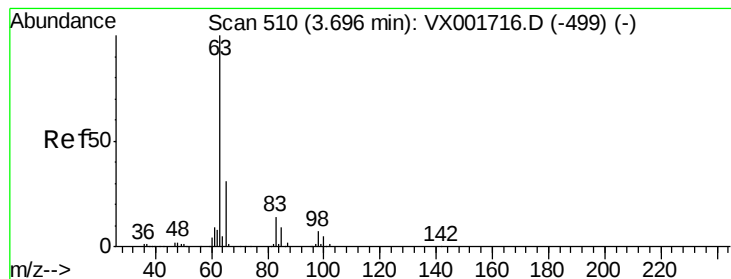
Ion Ratio Lower Upper

96 100

61 97.4 105.8 158.8#

98 49.0 50.2 75.4#





#24

1,1-Dichloroethane

Concen: 0.32 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :

MSVOA_X

ClientSampleId :

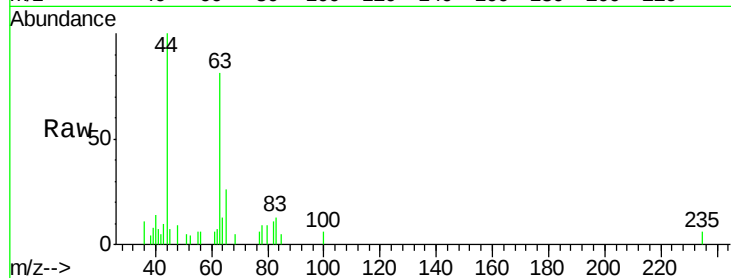
Tot Ion: 63 Resp: 1994

Ion Ratio Lower Upper

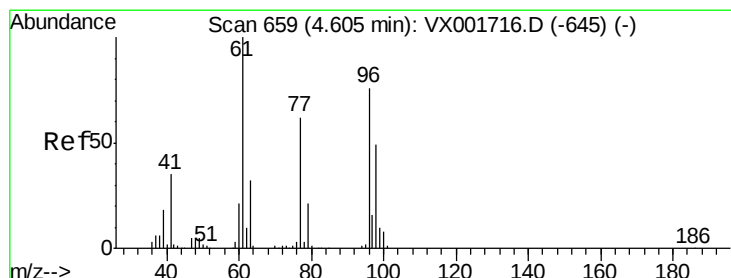
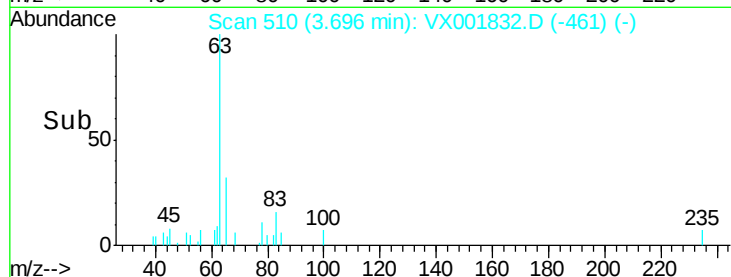
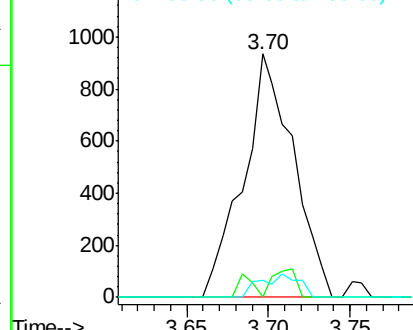
63 100

98 0.0 3.7 11.1#

100 7.3 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 20.01 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

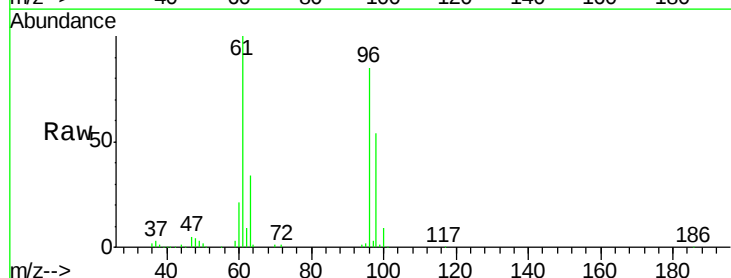
Tgt Ion: 96 Resp: 80396

Ion Ratio Lower Upper

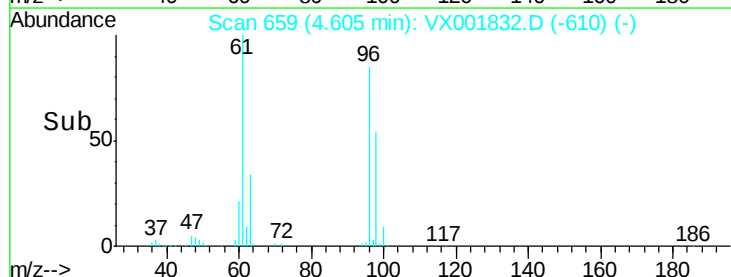
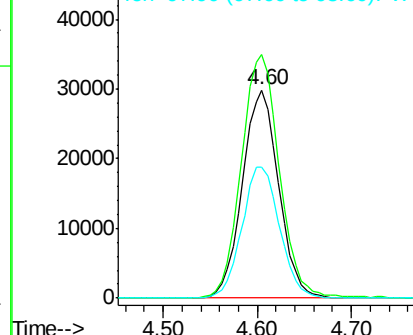
96 100

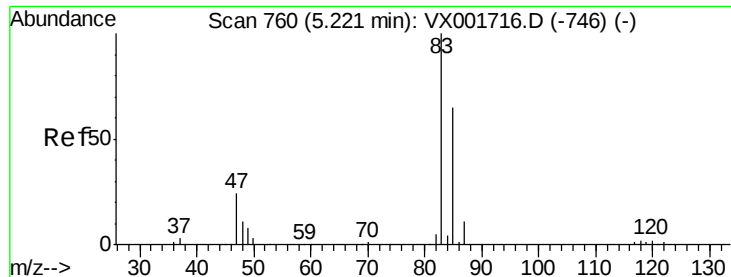
61 123.1 0.0 280.4

98 65.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

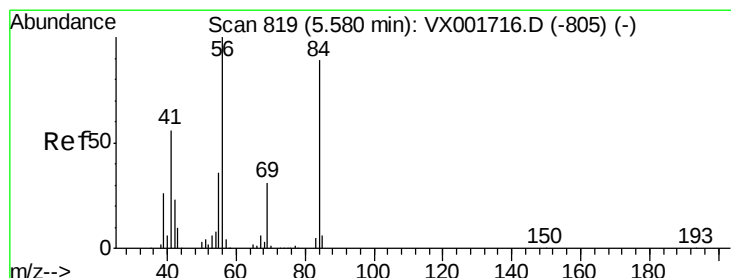
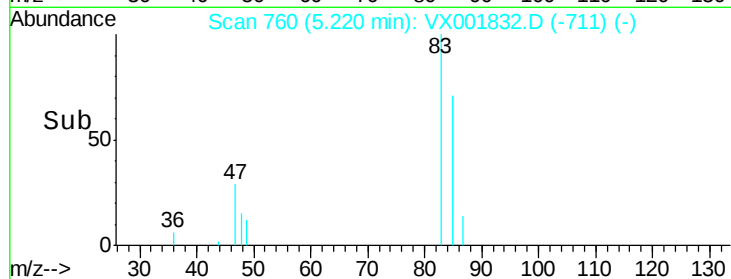
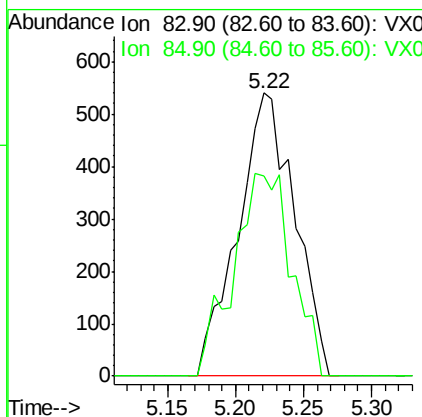
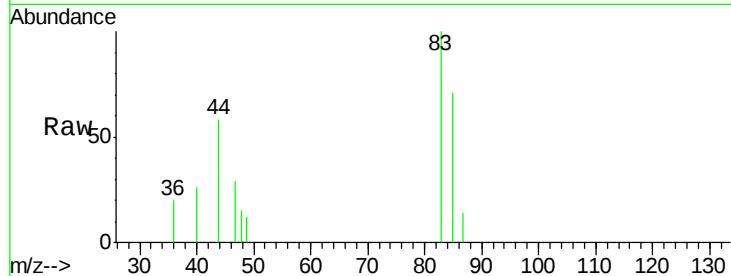




#30
Chloroform
Concen: 0.24 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

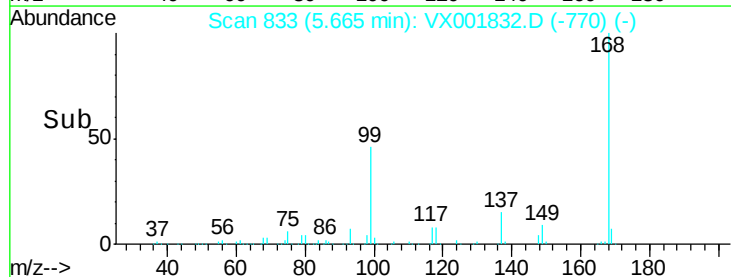
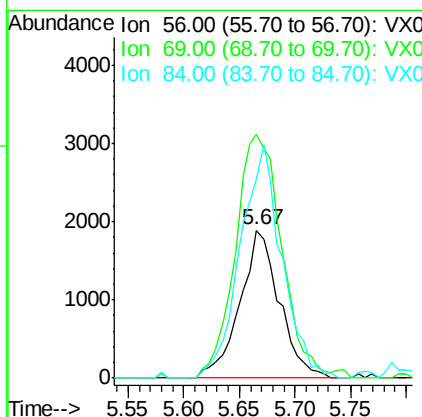
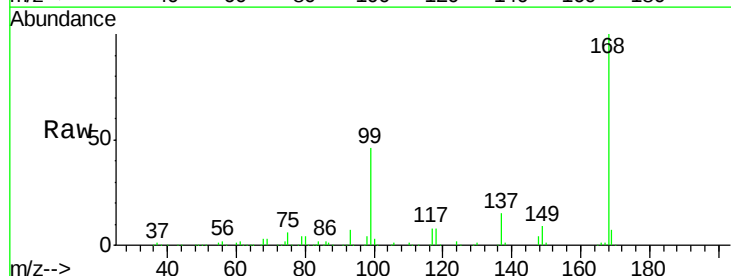
Instrument :
MSVOA_X
ClientSampleId :

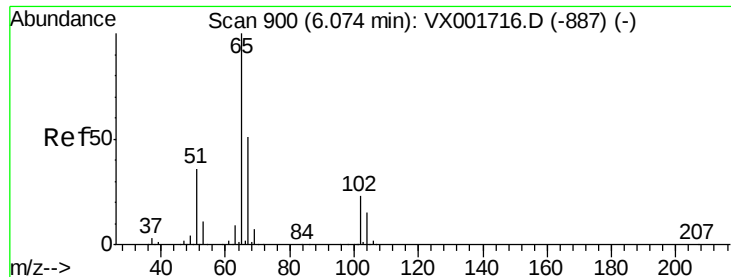
Tot Ion: 83 Resp: 1580
Ion Ratio Lower Upper
83 100
85 70.7 52.3 78.5



#31
Cyclohexane
Concen: 0.85 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

Tgt Ion: 56 Resp: 4660
Ion Ratio Lower Upper
56 100
69 164.4 25.0 37.6#
84 134.4 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 54.15 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :

MSVOA_X

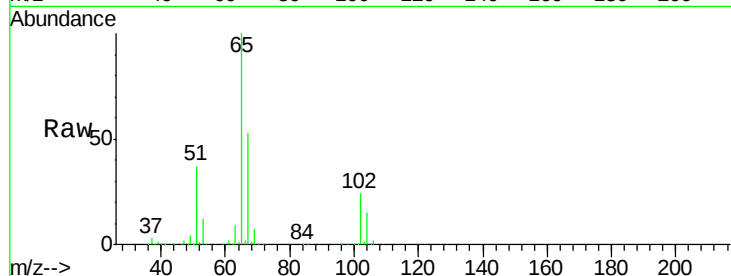
ClientSampled :

Tot Ion: 65 Resp: 235399

Ion Ratio Lower Upper

65 100

67 53.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

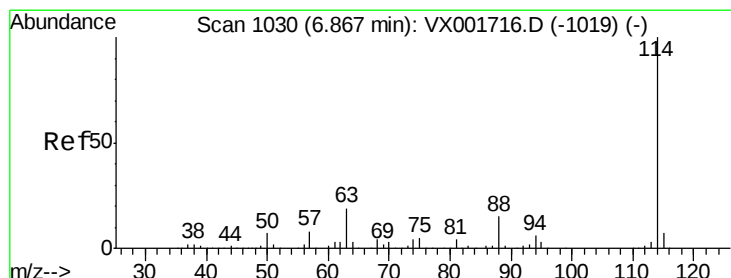
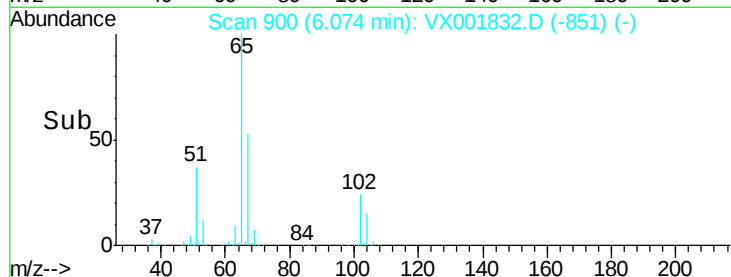
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

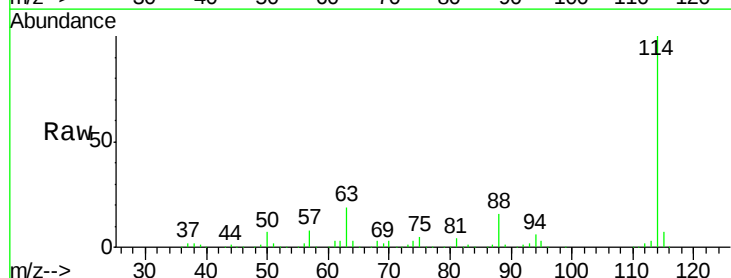
Tgt Ion: 114 Resp: 453850

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.0

88 15.6 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

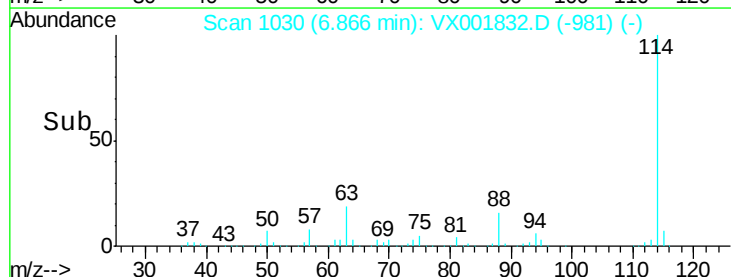
150000

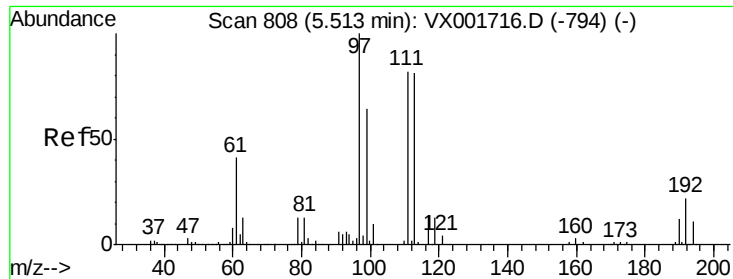
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 53.13 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :
MSVOA_X
ClientSampleId :

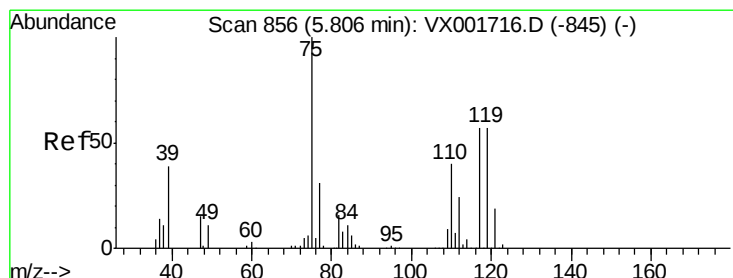
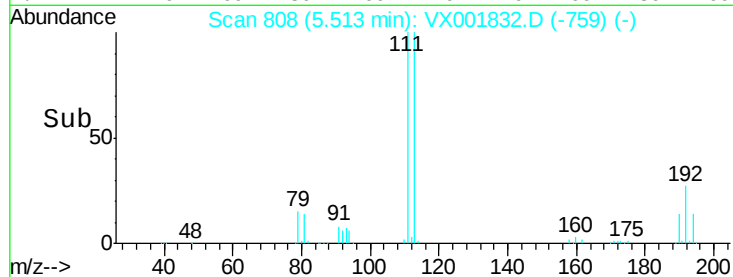
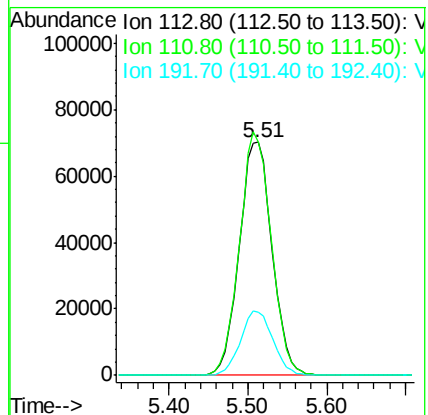
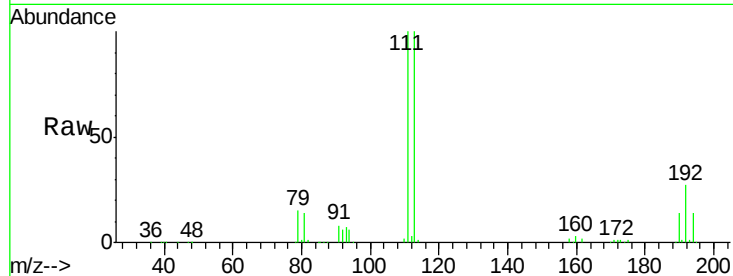
Tot Ion:113 Resp: 203482

Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

192 27.3 21.6 32.4



#36

1,1-Dichloropropene

Concen: 3.57 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

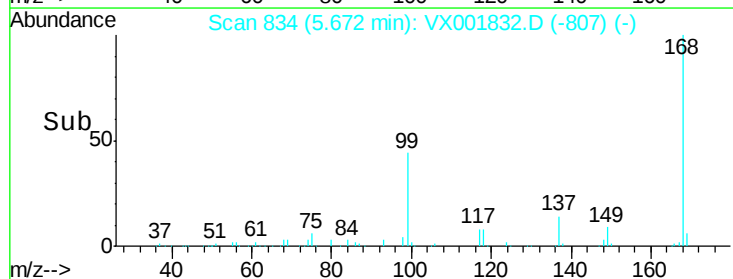
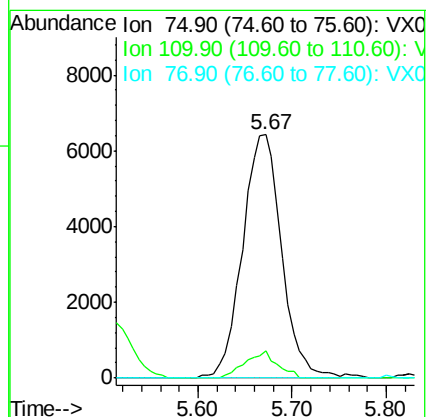
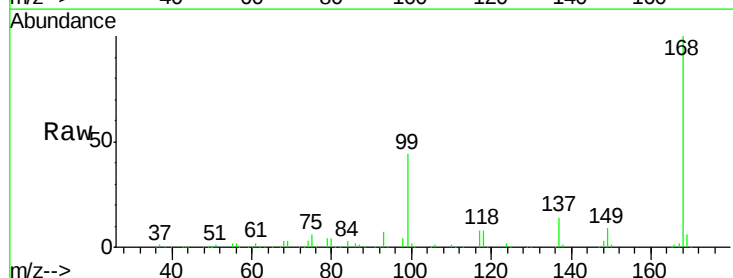
Tgt Ion: 75 Resp: 18650

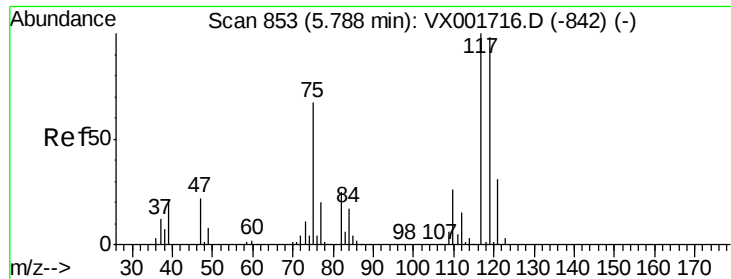
Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.1#

77 0.0 24.6 37.0#

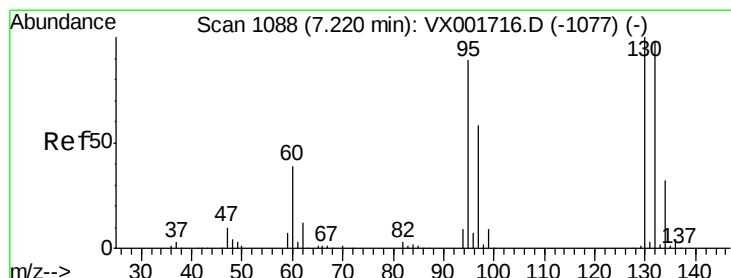
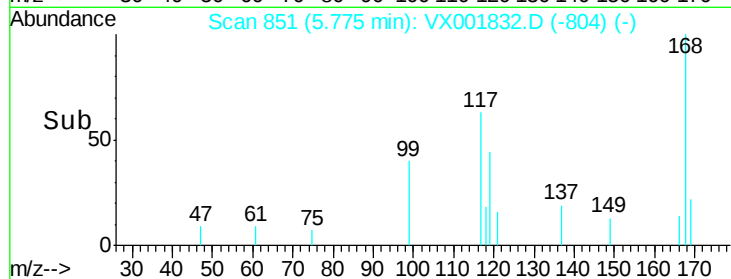
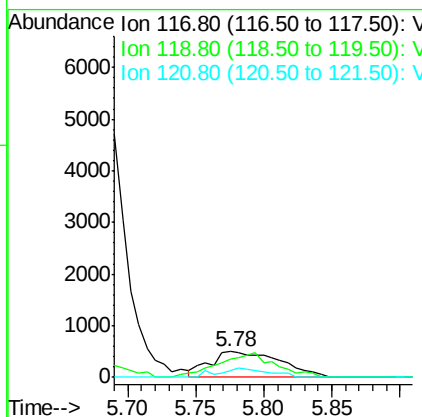
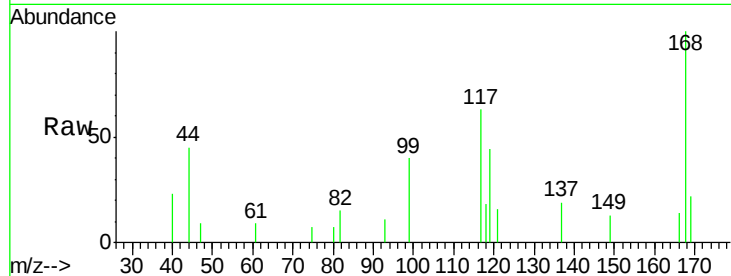




#38
Carbon Tetrachloride
Concen: 0.33 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

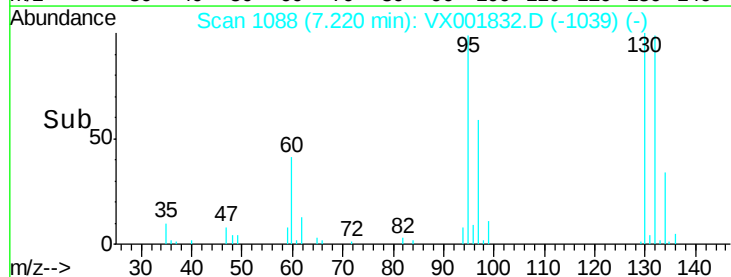
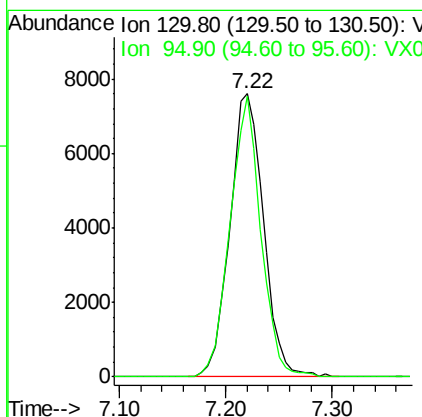
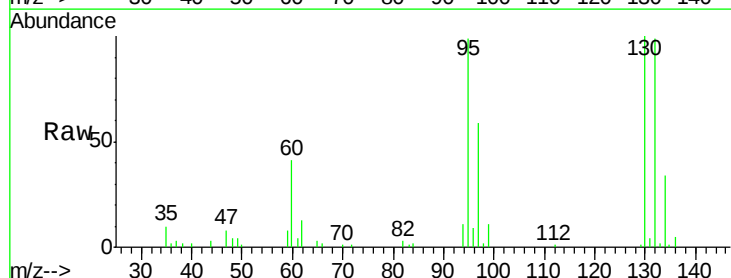
Instrument :
MSVOA_X
ClientSampleId :

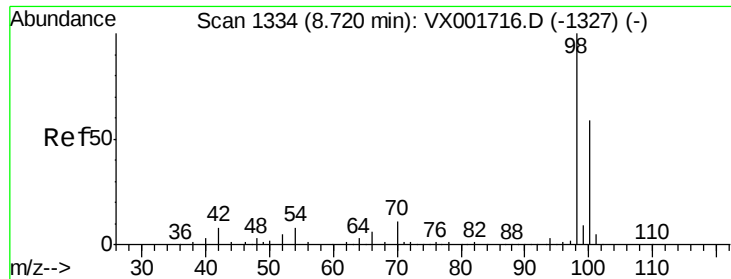
Tot Ion:117 Resp: 1830
Ion Ratio Lower Upper
117 100
119 69.2 77.6 116.4#
121 25.2 24.6 36.8



#44
Trichloroethene
Concen: 3.53 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

Tgt Ion:130 Resp: 16879
Ion Ratio Lower Upper
130 100
95 99.2 0.0 177.2

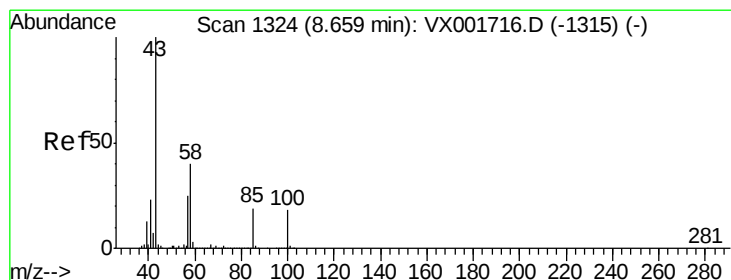
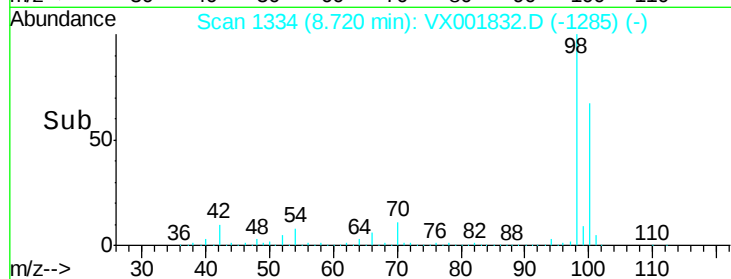
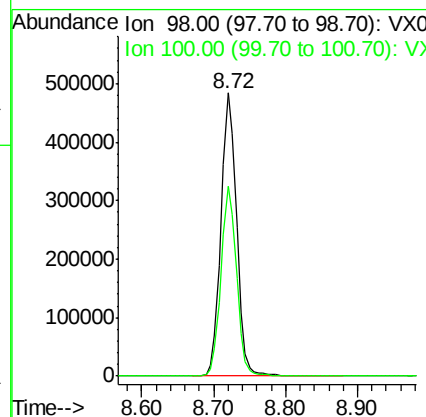
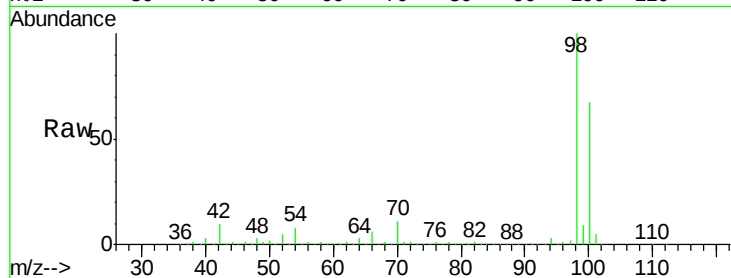




#50
Toluene-d8
Concen: 53.22 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

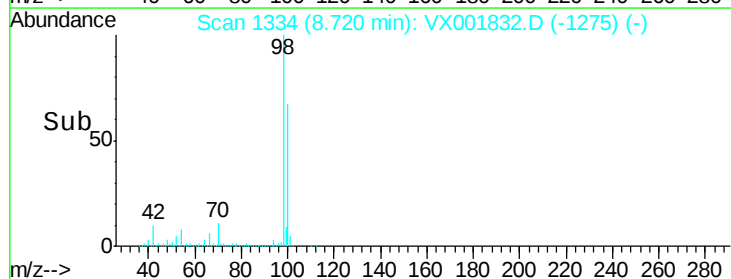
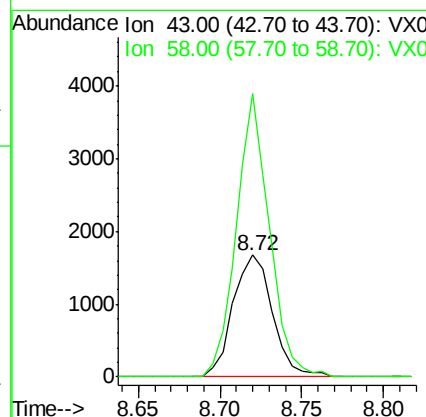
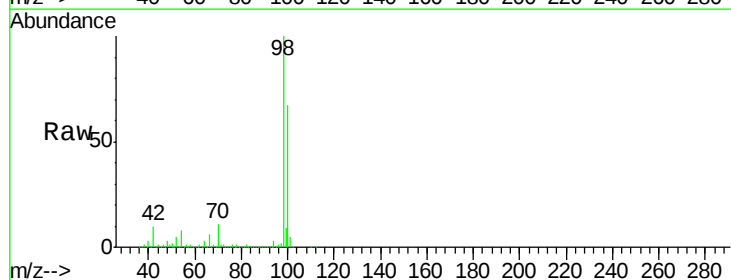
Instrument :
MSVOA_X
ClientSampleId :

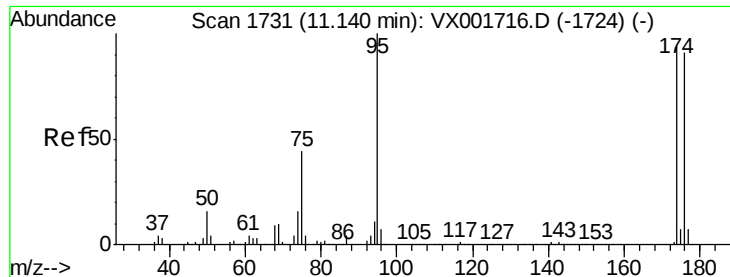
Tot Ion: 98 Resp: 730061
Ion Ratio Lower Upper
98 100
100 66.8 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

Tgt Ion: 43 Resp: 2829
Ion Ratio Lower Upper
43 100
58 193.4 31.4 47.0#

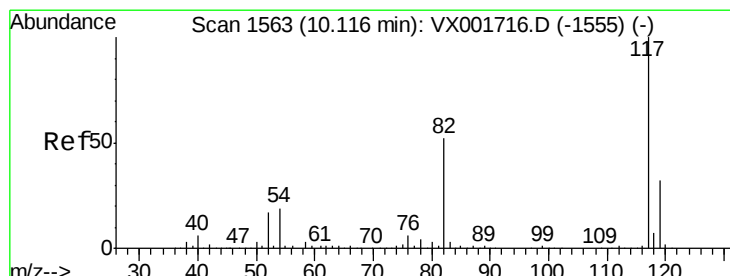
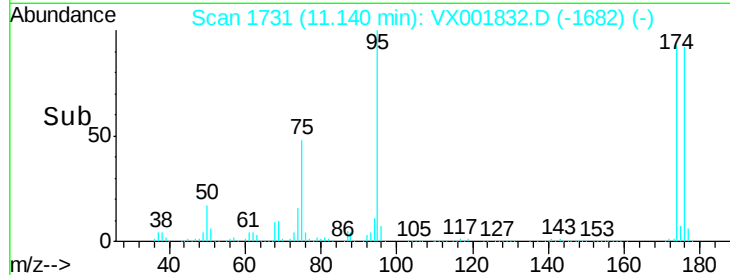
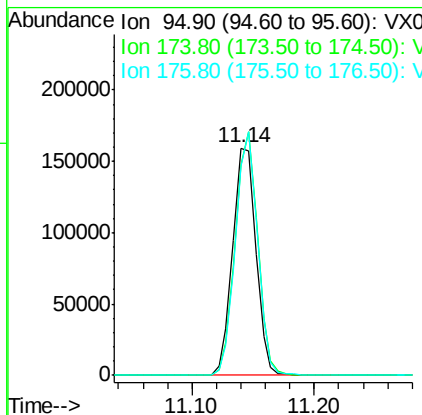
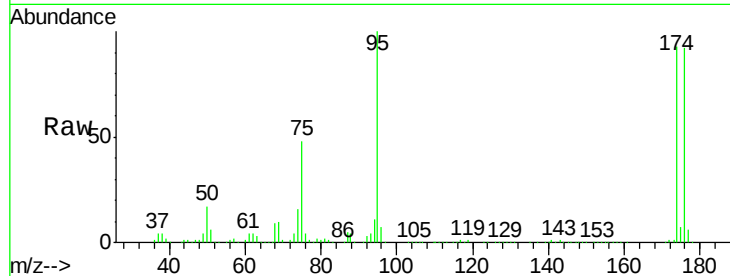




#62
4-Bromofluorobenzene
Concen: 42.41 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

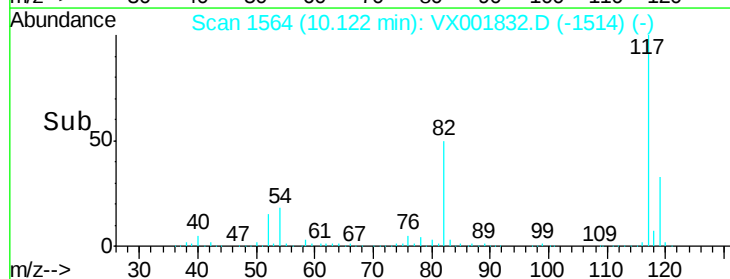
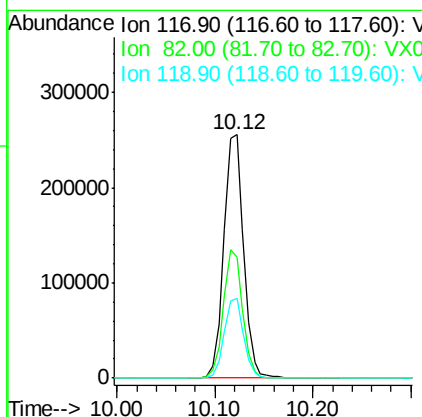
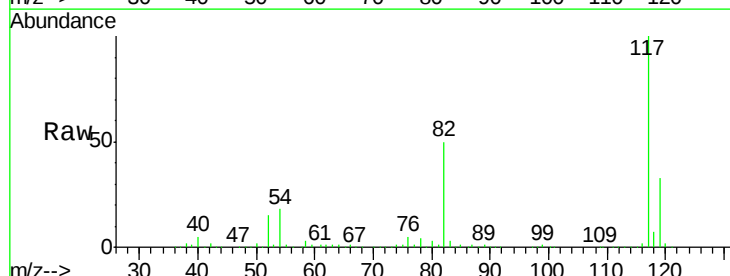
Instrument :
MSVOA_X
ClientSampled :

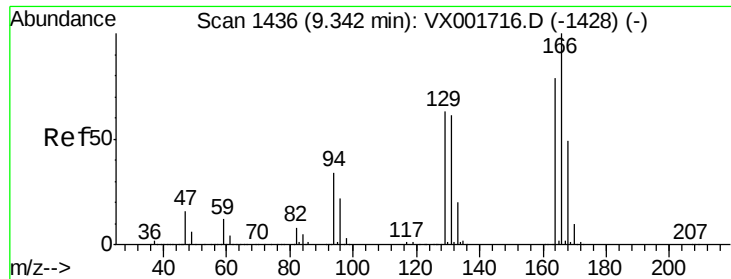
Tot Ion: 95 Resp: 209483
Ion Ratio Lower Upper
95 100
174 102.5 0.0 201.8
176 101.0 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

Tgt Ion: 117 Resp: 359395
Ion Ratio Lower Upper
117 100
82 49.7 41.4 62.2
119 32.5 25.6 38.4

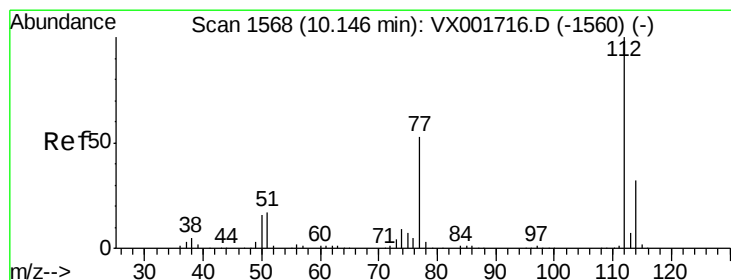
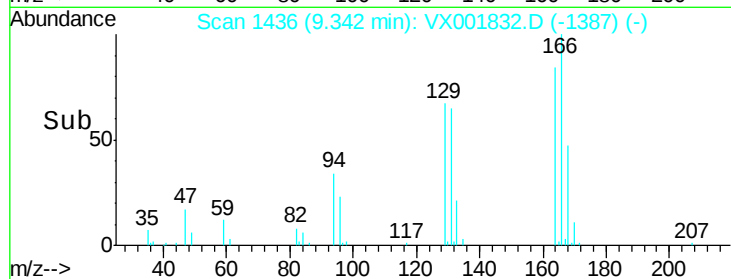
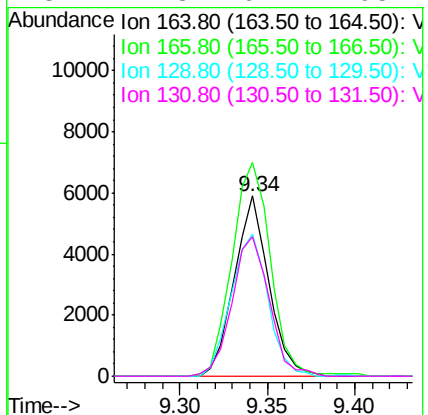
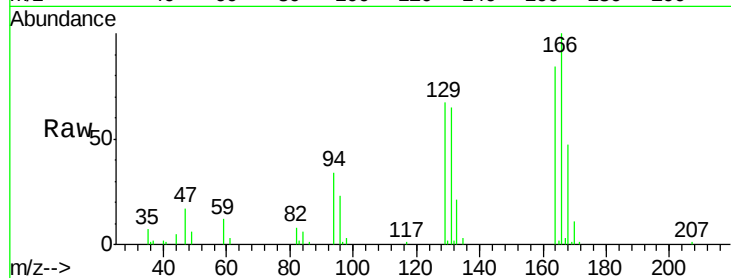




#64
Tetrachloroethene
Concen: 1.73 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

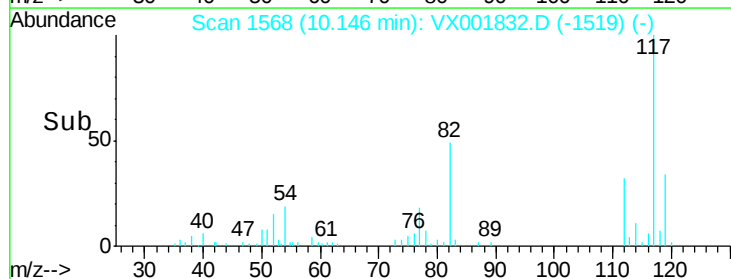
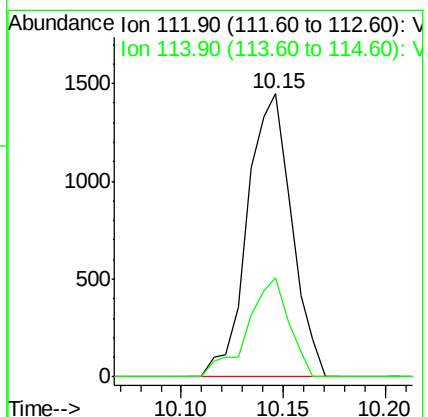
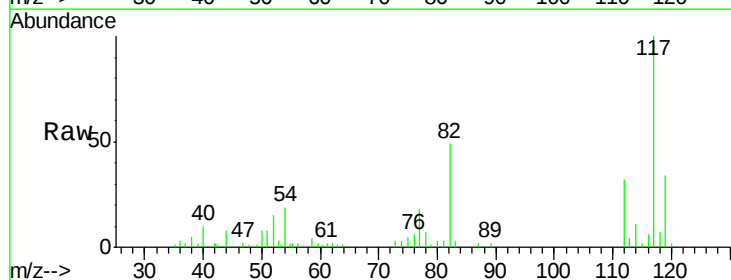
Instrument :
MSVOA_X
ClientSampleId :

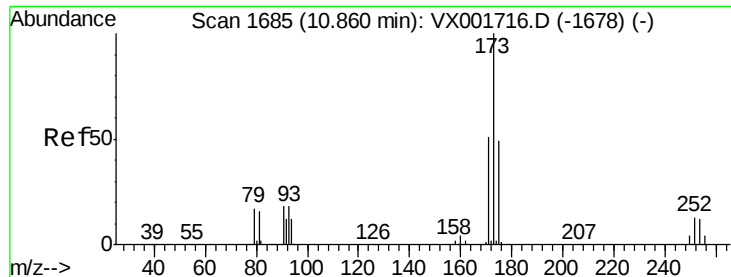
Tot Ion:164 Resp: 8090
Ion Ratio Lower Upper
164 100
166 118.7 101.8 152.8
129 79.0 63.8 95.6
131 77.3 62.2 93.2



#65
Chlorobenzene
Concen: 0.22 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001832.D
Acq: 18 May 2018 18:01

Tgt Ion:112 Resp: 2182
Ion Ratio Lower Upper
112 100
114 35.0 25.6 38.4





#71

Bromoform

Concen: 2.99 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :

MSVOA_X

ClientSampled :

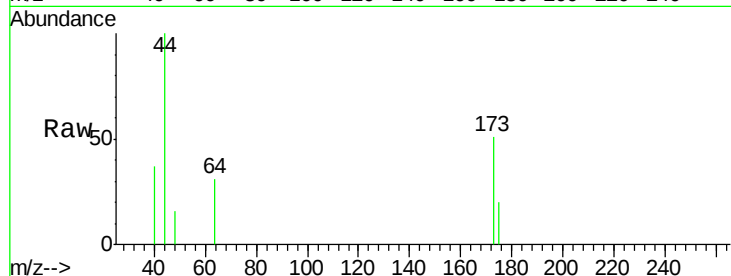
Tot Ion:173 Resp: 195

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

254 0.0 0.2 0.2#

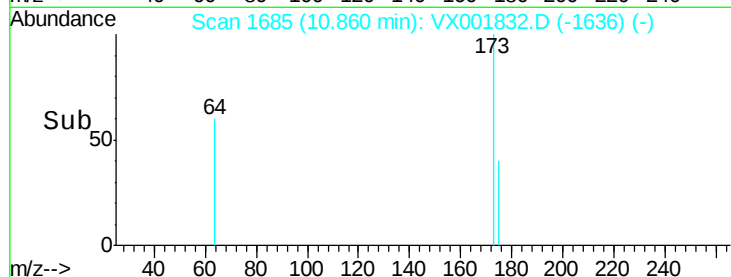


Abundance Ion 172.70 (172.40 to 173.40): V

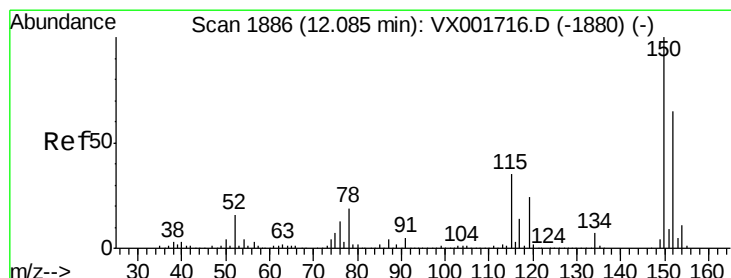
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time--> 10.82 10.84 10.86 10.88



Time--> 10.82 10.84 10.86 10.88



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

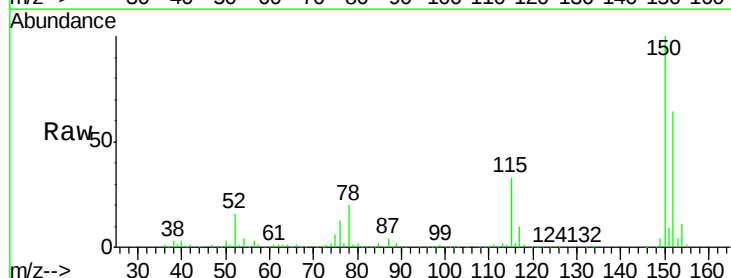
Tgt Ion:152 Resp: 196707

Ion Ratio Lower Upper

152 100

115 51.5 37.4 112.2

150 155.2 0.0 344.8

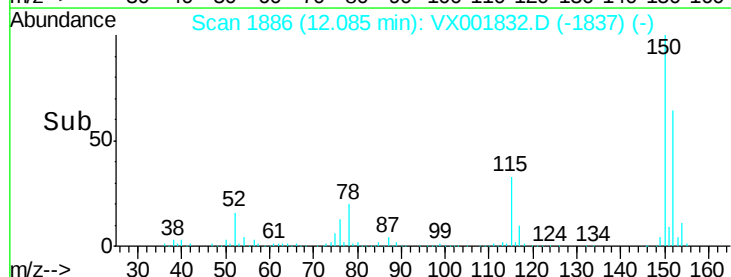


Abundance Ion 151.90 (151.60 to 152.60): V

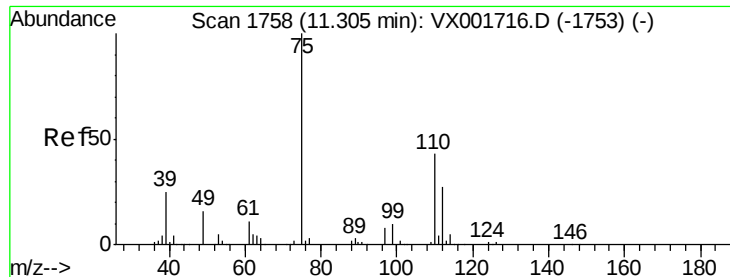
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time--> 12.00 12.10 12.20



Time--> 12.00 12.10 12.20



#76

1,2,3-Trichloropropane

Concen: 26.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :

MSVOA_X

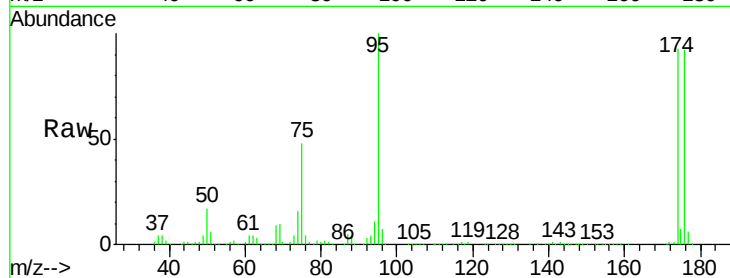
ClientSampleId :

Tot Ion: 75 Resp: 98171

Ion Ratio Lower Upper

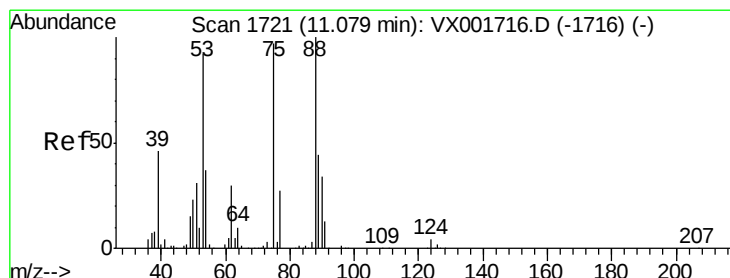
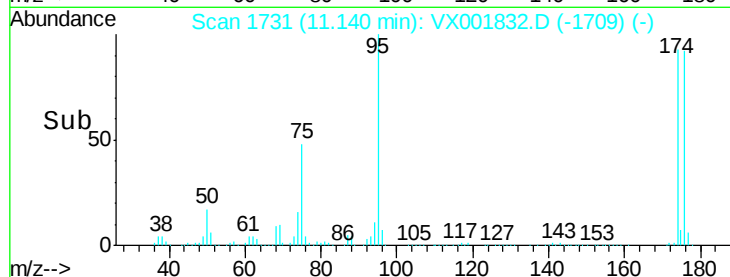
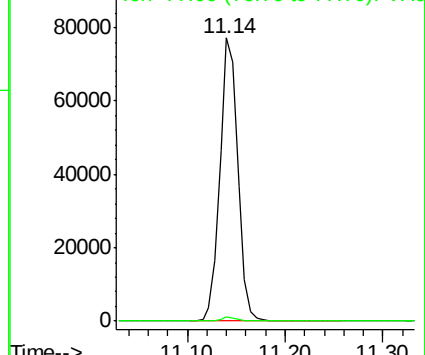
75 100

77 1.3 18.9 56.7#



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: 76.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

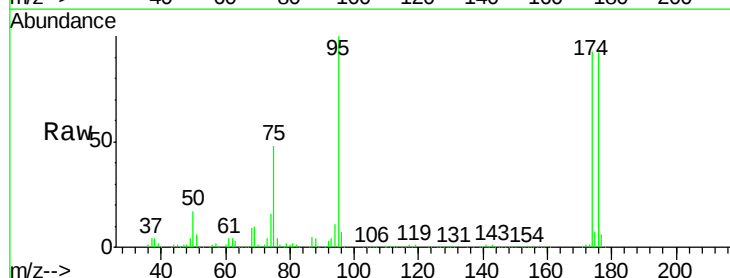
Tgt Ion: 75 Resp: 98171

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

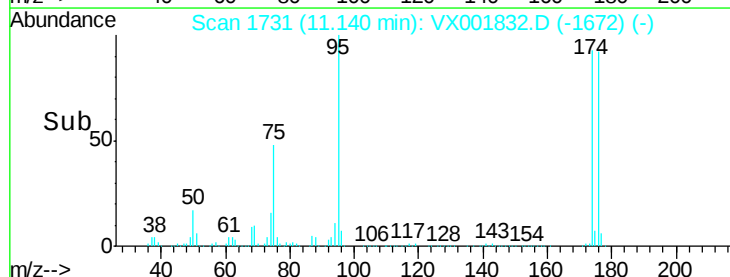
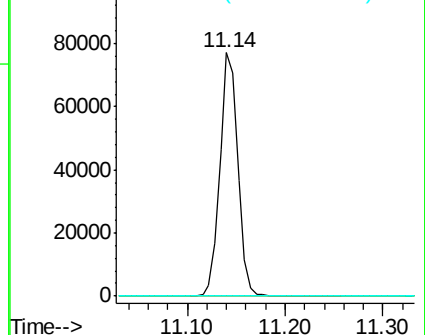
89 0.1 38.8 58.2#

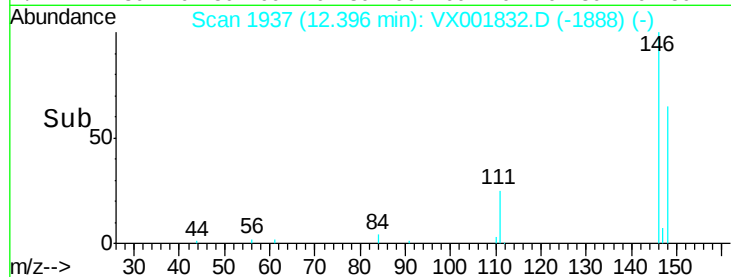
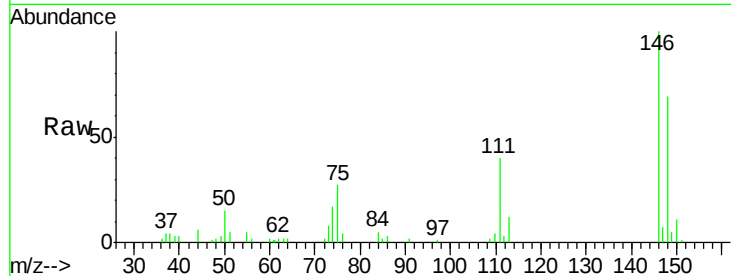
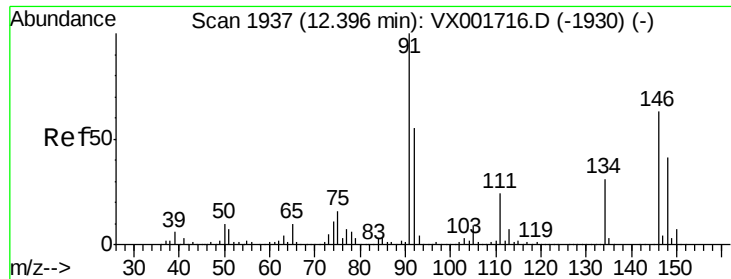


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#91

1,2-Dichlorobenzene

Concen: 0.80 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001832.D

Acq: 18 May 2018 18:01

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:146 Resp: 5617

Ion Ratio Lower Upper

146 100

111 37.7 18.6 56.0

148 68.6 32.4 97.0

Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

