

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001834.D
 Acq On : 18 May 2018 18:54
 Operator : JC/MD
 Sample : J2853-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:26:04 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	322086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	448151	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	194152	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	230882	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	5.51	113	198615	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
50) Toluene-d8	8.72	98	710168	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	11.14	95	204573	41.95	ug/l	0.00
Spiked Amount			Recovery	=	83.90%	

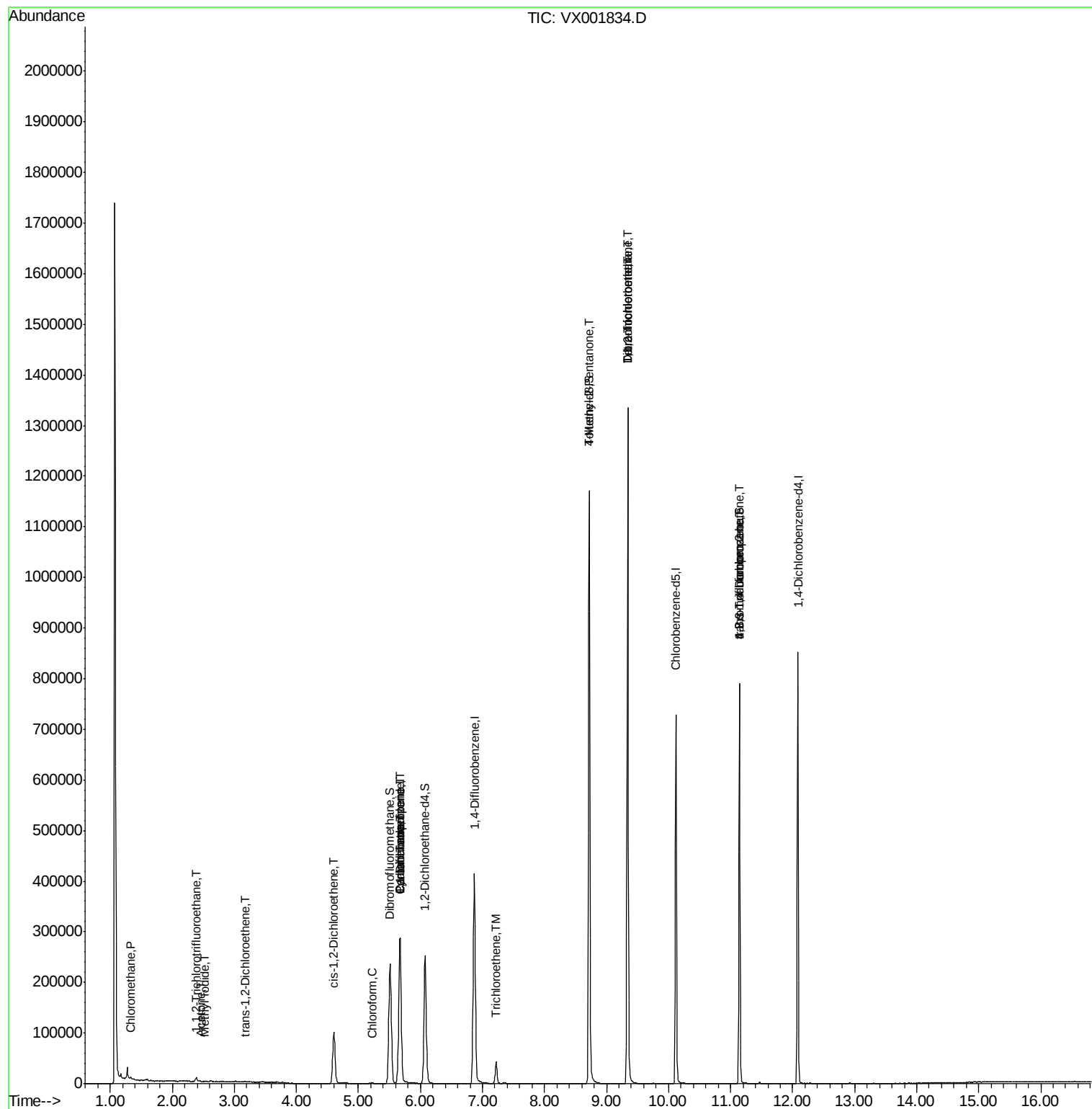
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1405	0.40	ug/l	96
5) Bromomethane	1.65	94	1059	Below Cal	#	68
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2990	0.91	ug/l	98
10) Methyl Iodide	2.52	142	892	0.29	ug/l	# 89
16) Acetone	2.45	43	1271	0.75	ug/l	# 86
21) trans-1,2-Dichloroethene	3.17	96	777	0.22	ug/l	# 73
27) cis-1,2-Dichloroethene	4.60	96	67143	16.83	ug/l	91
30) Chloroform	5.22	83	1420	0.22	ug/l	94
31) Cyclohexane	5.66	56	4561	0.84	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	18227	3.53	ug/l	# 48
38) Carbon Tetrachloride	5.67	117	26040	4.82	ug/l	# 17
44) Trichloroethene	7.22	130	17348	3.68	ug/l	96
51) 4-Methyl-2-Pentanone	8.72	43	2751	0.52	ug/l	# 1
55) 1,1,2-Trichloroethane	9.34	97	2010	0.54	ug/l	# 1
60) Dibromochloromethane	9.34	129	245403	64.19	ug/l	# 11
64) Tetrachloroethene	9.34	164	295798	63.30	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	95962	25.99	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	95962	75.64	ug/l	# 10

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

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Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

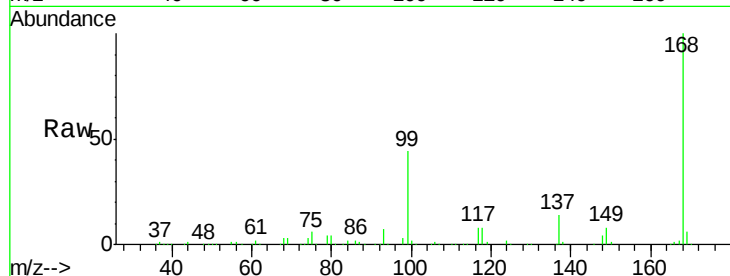
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 322086

Ion Ratio Lower Upper

168 100

99 43.9 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

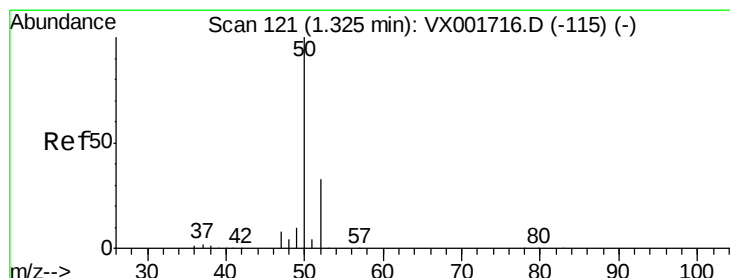
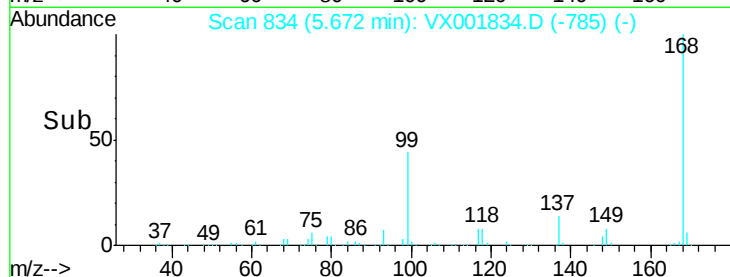
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001834.D

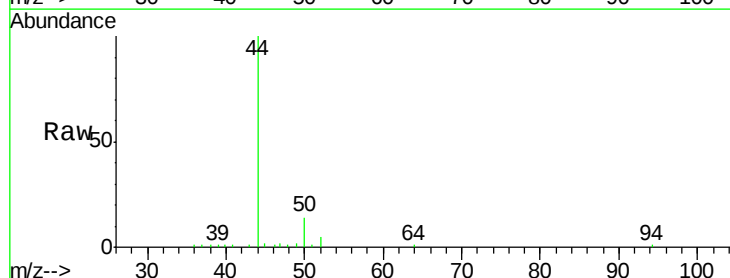
Acq: 18 May 2018 18:54

Tgt Ion: 50 Resp: 1405

Ion Ratio Lower Upper

50 100

52 35.1 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

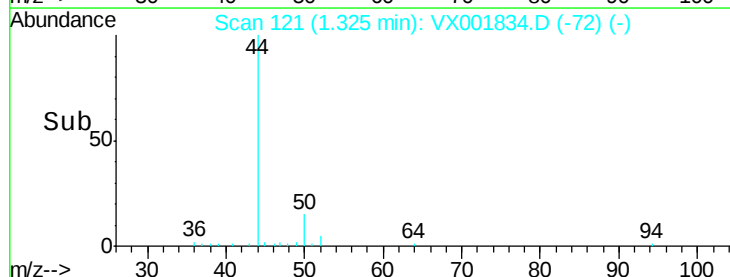
1500

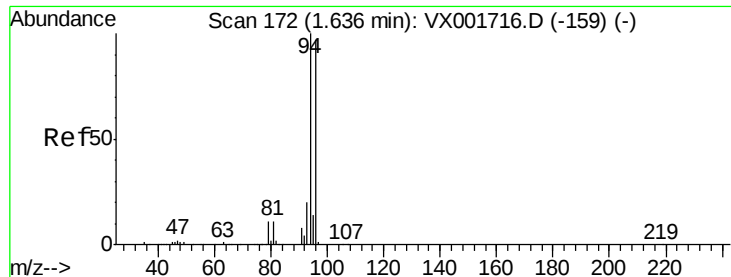
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

Instrument :

MSVOA_X

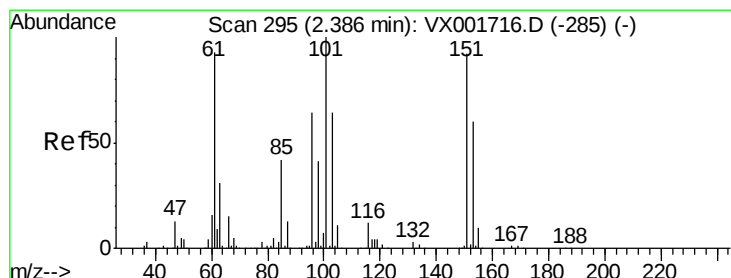
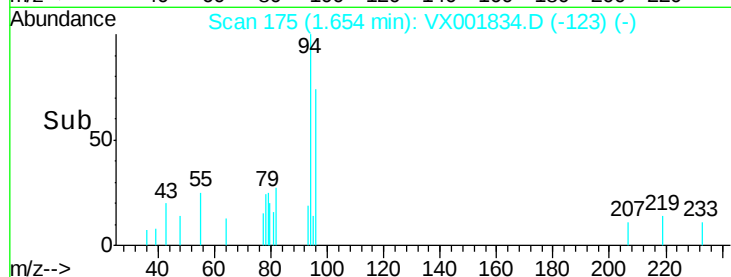
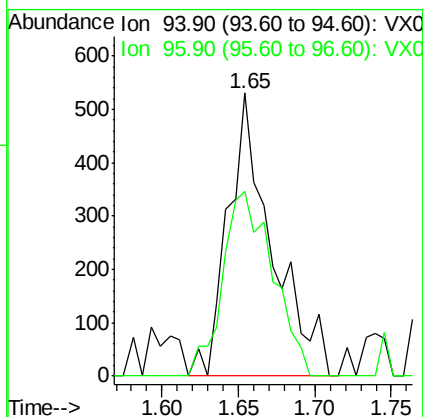
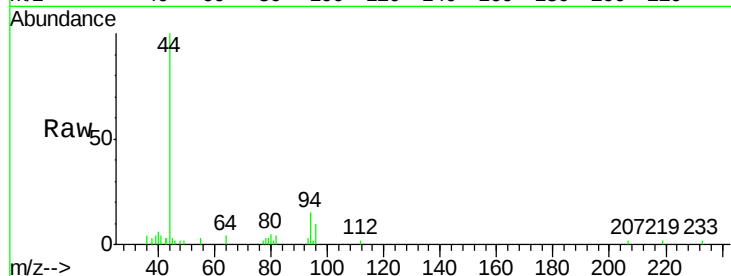
ClientSampleId :

Tot Ion: 94 Resp: 1059

Ion Ratio Lower Upper

94 100

96 65.3 77.4 116.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.91 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

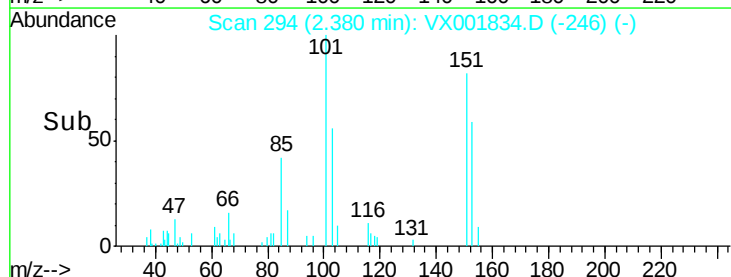
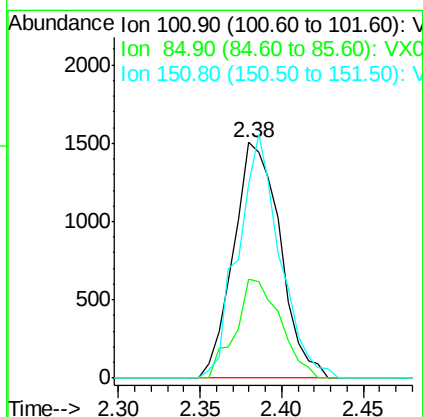
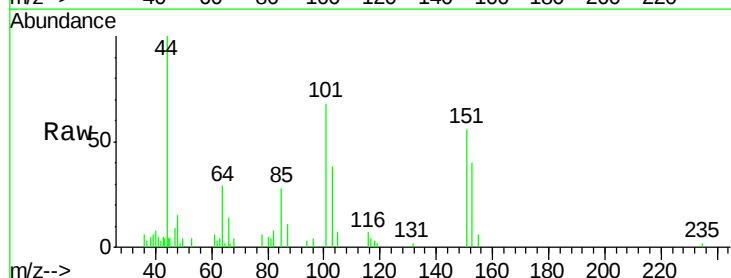
Tgt Ion:101 Resp: 2990

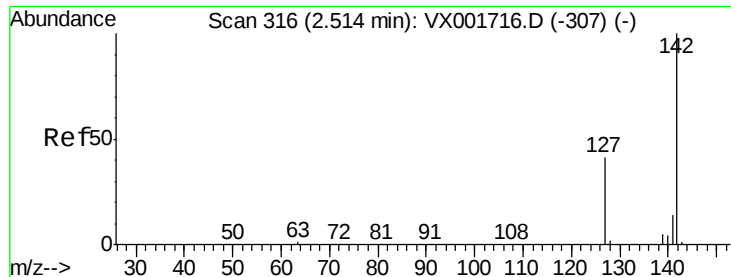
Ion Ratio Lower Upper

101 100

85 40.3 33.7 50.5

151 92.9 73.0 109.6

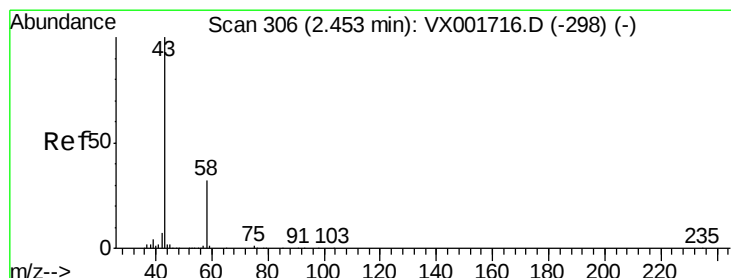
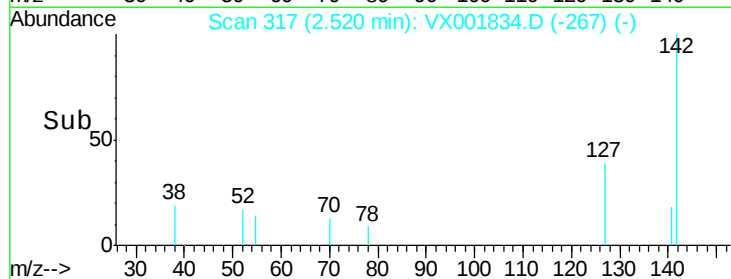
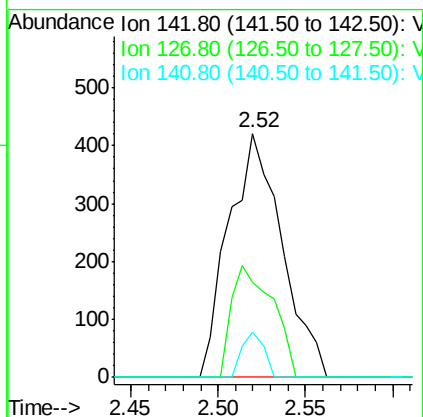
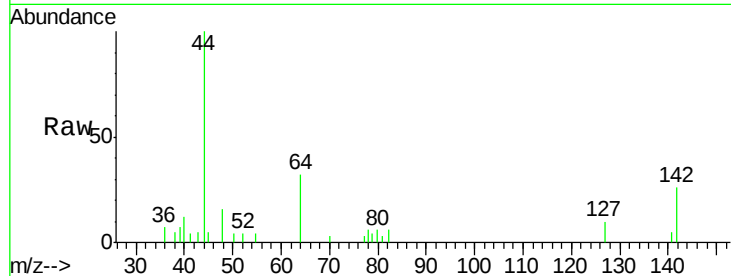




#10
Methvl Iodide
Concen: 0.29 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

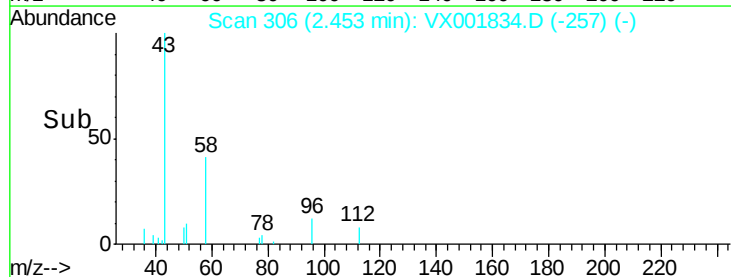
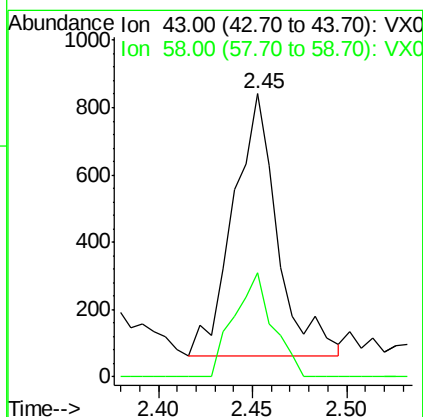
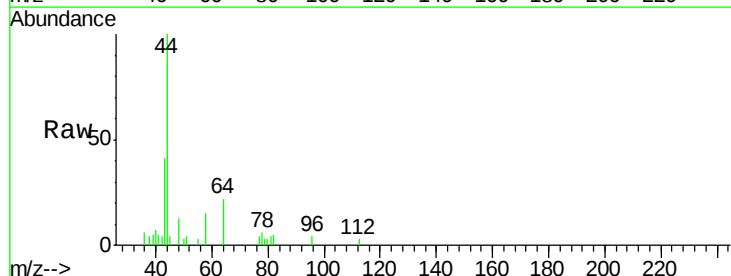
Instrument :
MSVOA_X
ClientSampled :

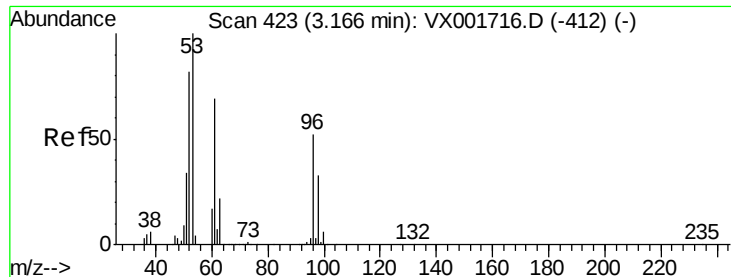
Tot Ion:142 Resp: 892
Ion Ratio Lower Upper
142 100
127 35.3 32.5 48.7
141 7.5 11.4 17.0#



#16
Acetone
Concen: 0.75 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 39.5 25.3 37.9#





#21

trans-1,2-Dichloroethene

Concen: 0.22 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

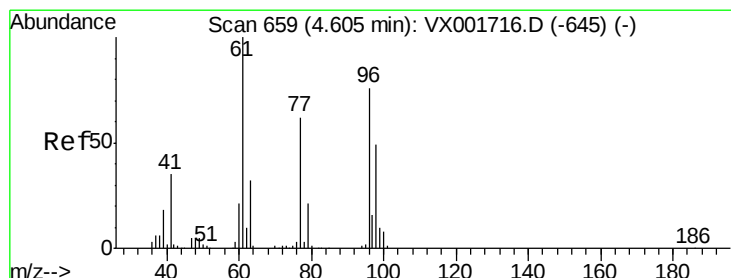
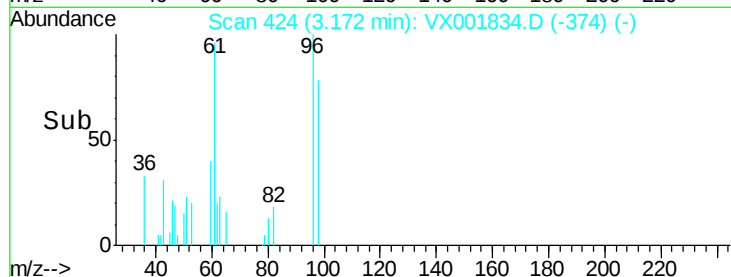
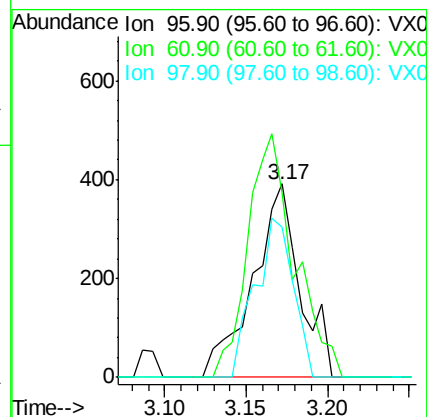
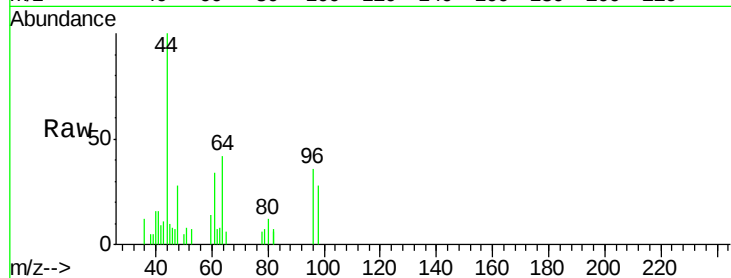
Tot Ion: 96 Resp: 777

Ion Ratio Lower Upper

96 100

61 95.9 105.8 158.8#

98 77.7 50.2 75.4#



#27

cis-1,2-Dichloroethene

Concen: 16.83 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

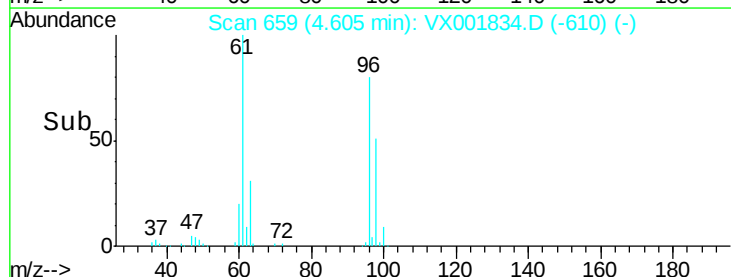
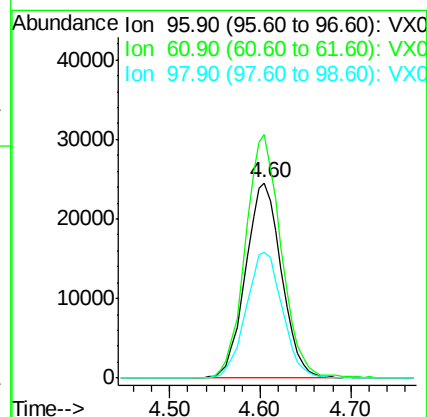
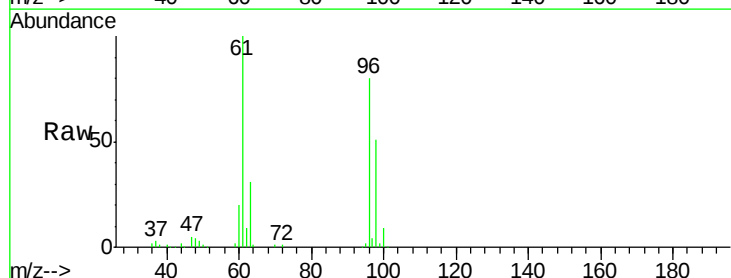
Tgt Ion: 96 Resp: 67143

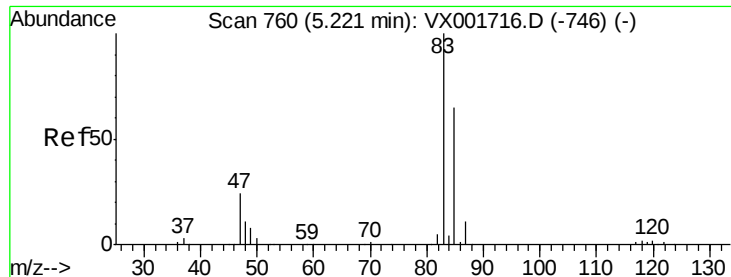
Ion Ratio Lower Upper

96 100

61 125.1 0.0 280.4

98 65.8 0.0 128.4

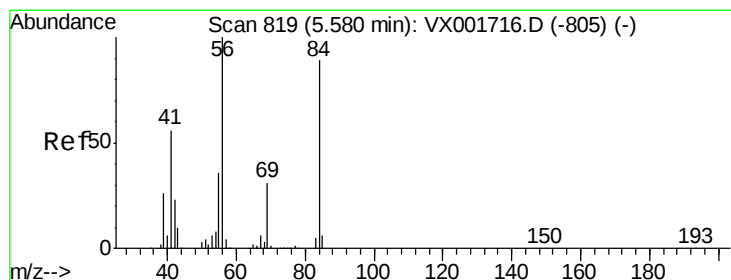
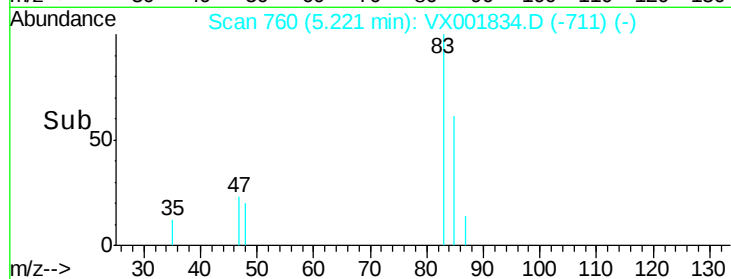
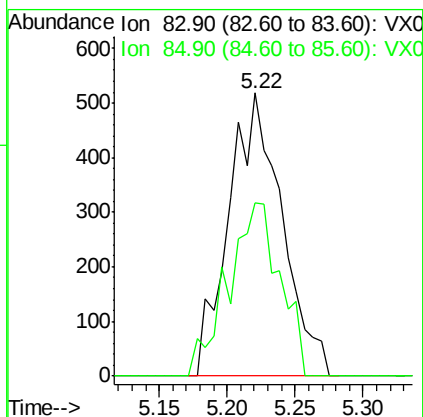
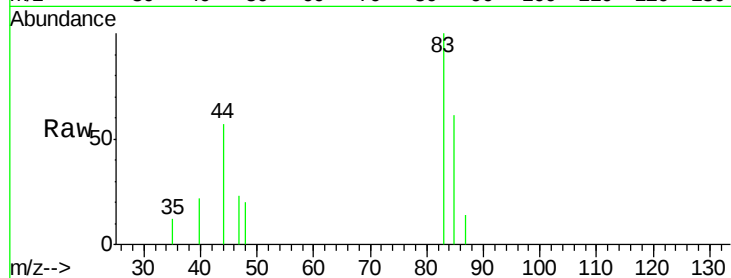




#30
Chloroform
Concen: 0.22 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

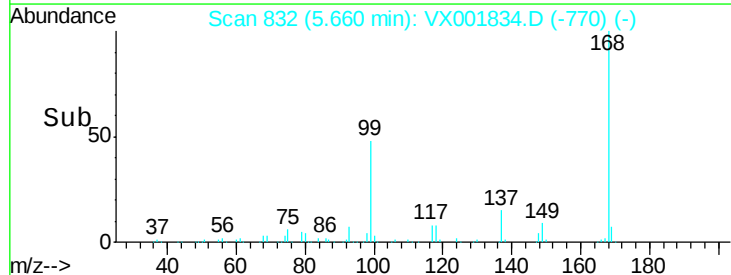
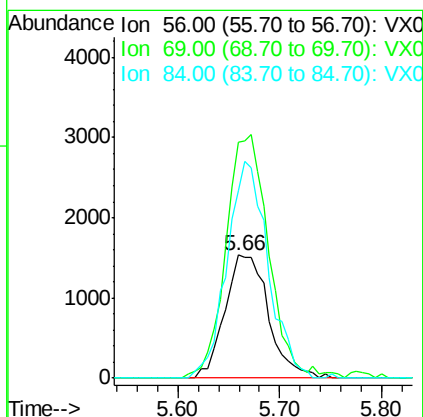
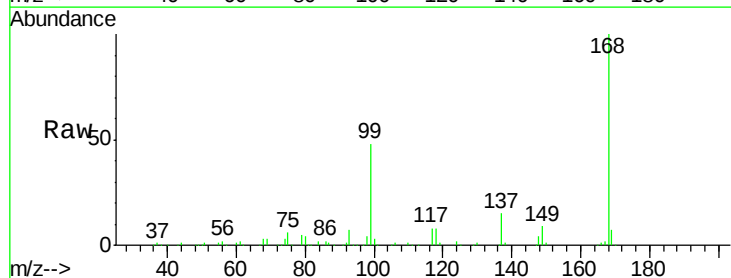
Instrument :
MSVOA_X
ClientSampleId :

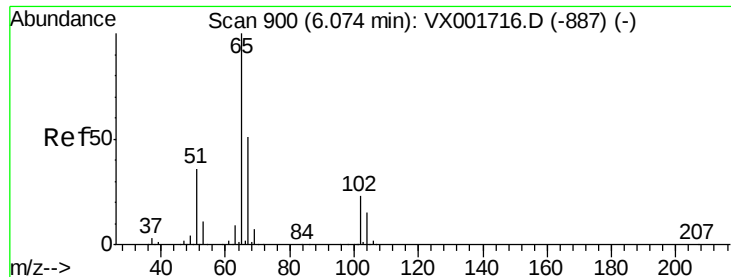
Tot Ion: 83 Resp: 1420
Ion Ratio Lower Upper
83 100
85 61.0 52.3 78.5



#31
Cyclohexane
Concen: 0.84 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

Tgt Ion: 56 Resp: 4561
Ion Ratio Lower Upper
56 100
69 188.1 25.0 37.6#
84 152.3 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 53.48 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

Instrument :

MSVOA_X

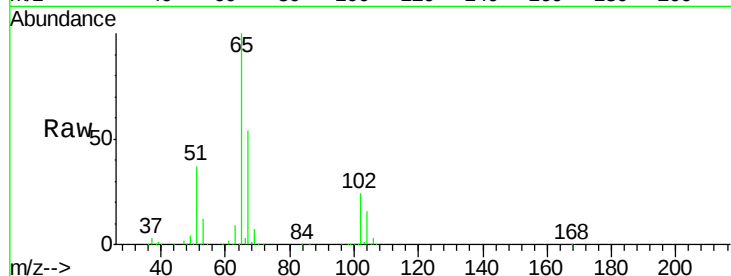
ClientSampleId :

Tot Ion: 65 Resp: 230882

Ion Ratio Lower Upper

65 100

67 52.7 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

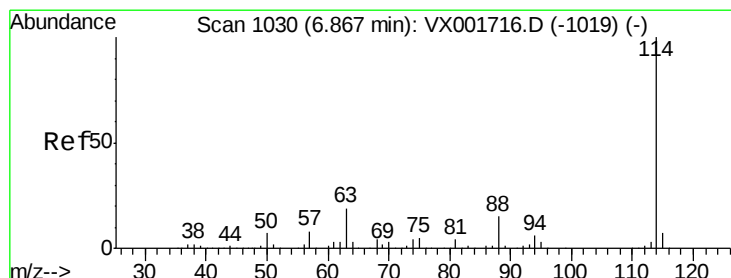
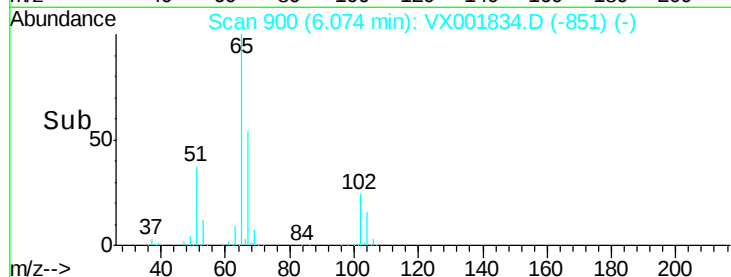
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

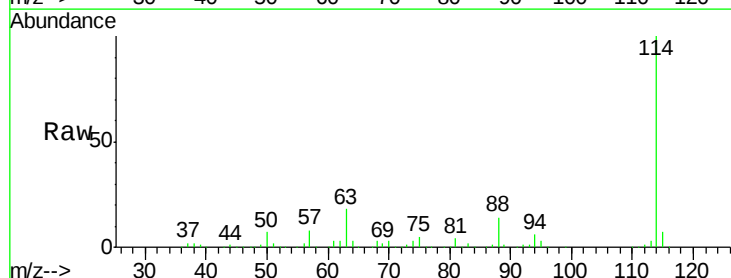
Tgt Ion: 114 Resp: 448151

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.0

88 14.3 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

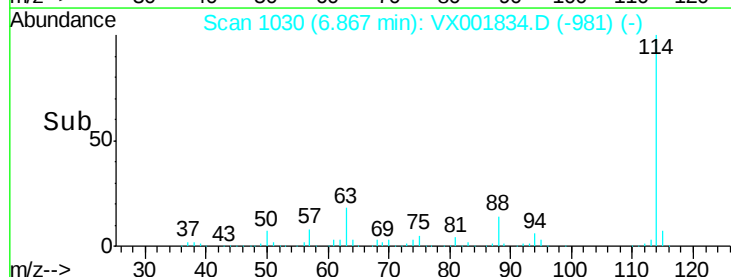
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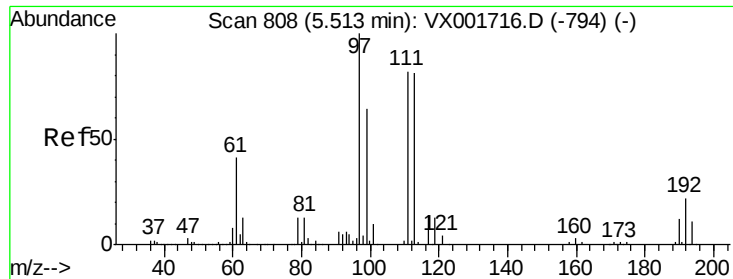
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10

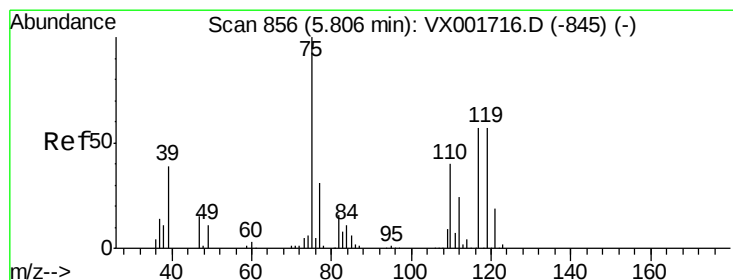
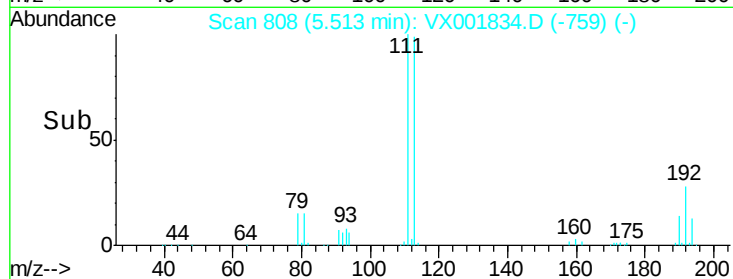
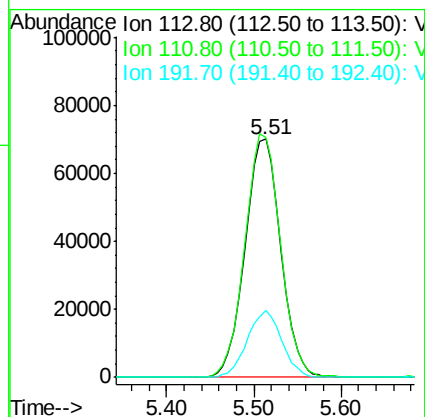
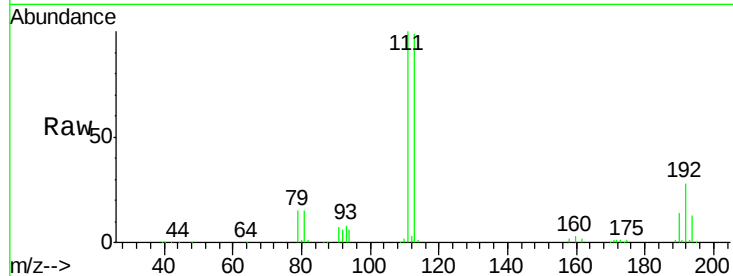




#35
 Dibromofluoromethane
 Concen: 52.52 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001834.D
 Acq: 18 May 2018 18:54

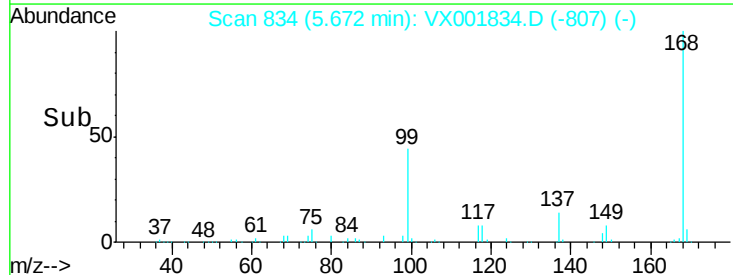
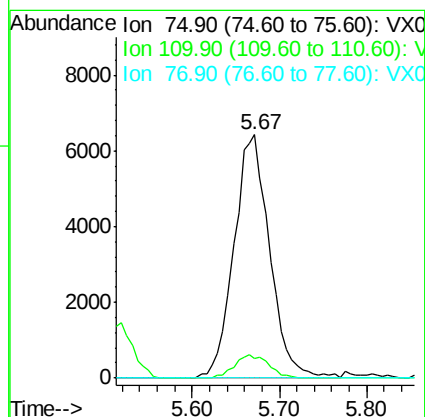
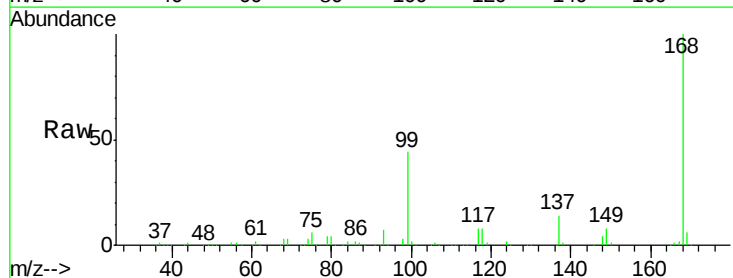
Instrument :
 MSVOA_X
 ClientSampleId :

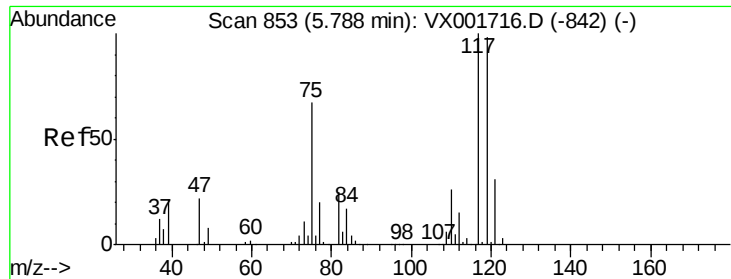
Tot Ion:113 Resp: 198615
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.0 123.0
 192 27.2 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.53 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001834.D
 Acq: 18 May 2018 18:54

Tgt Ion: 75 Resp: 18227
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.1#
 77 0.0 24.6 37.0#

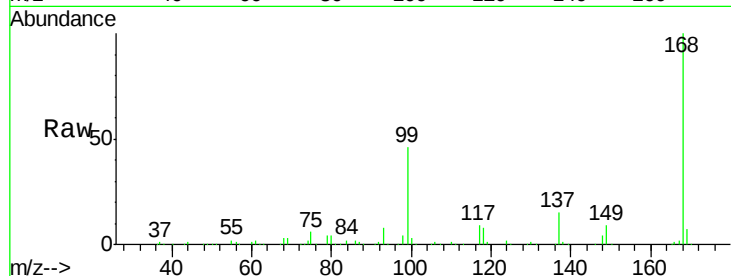




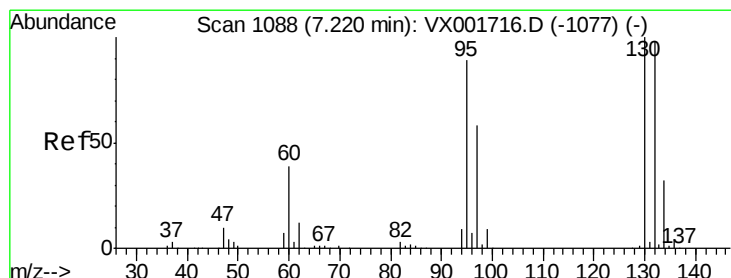
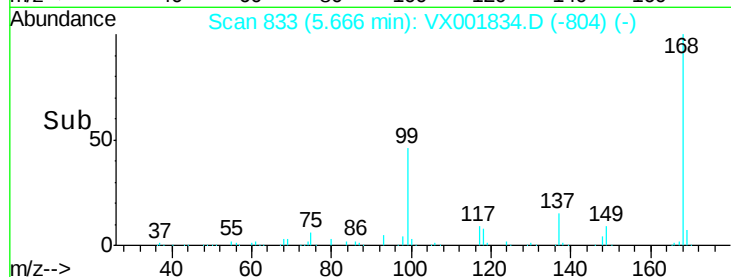
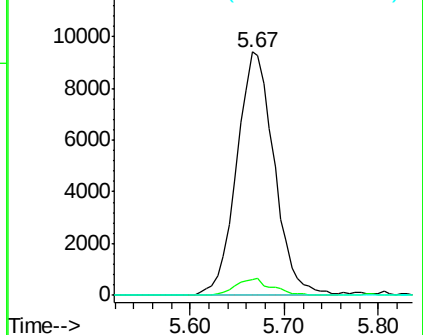
#38
Carbon Tetrachloride
Concen: 4.82 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 26040
Ion Ratio Lower Upper
117 100
119 6.4 77.6 116.4#
121 0.0 24.6 36.8#

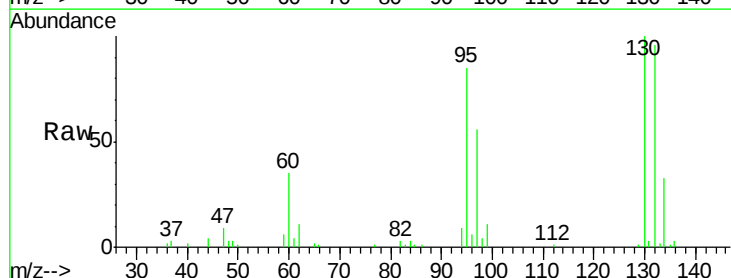


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

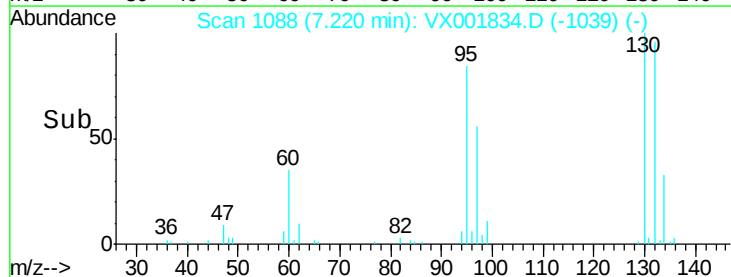
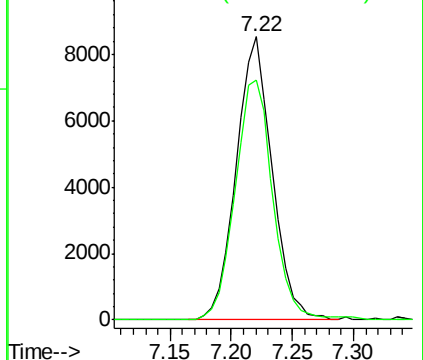


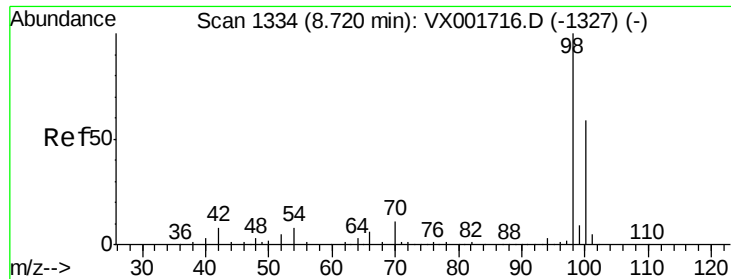
#44
Trichloroethene
Concen: 3.68 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

Tgt Ion:130 Resp: 17348
Ion Ratio Lower Upper
130 100
95 85.0 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

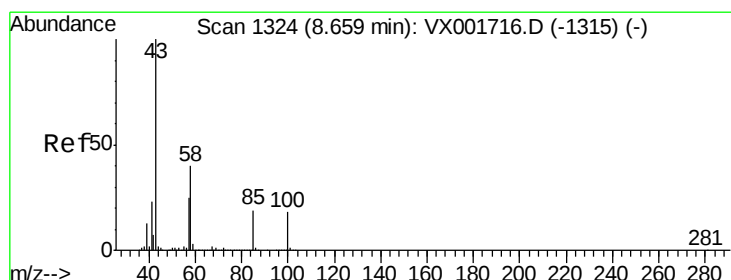
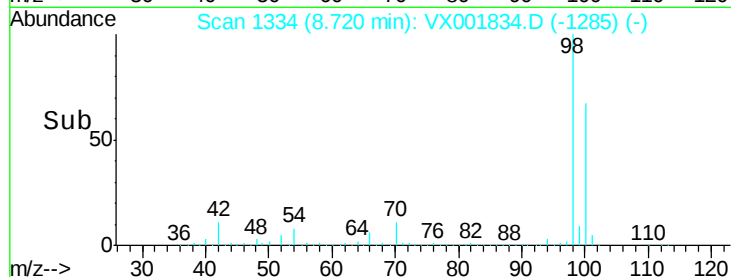
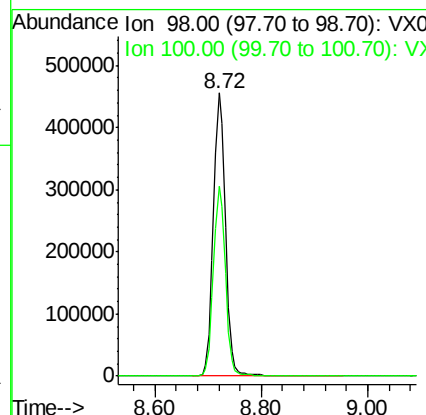
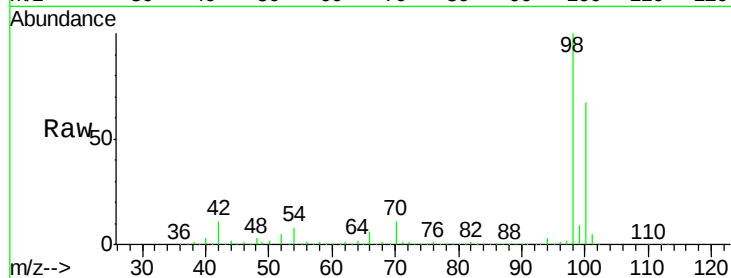




#50
Toluene-d8
Concen: 52.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

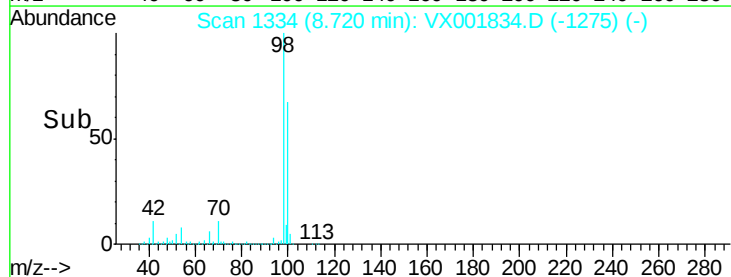
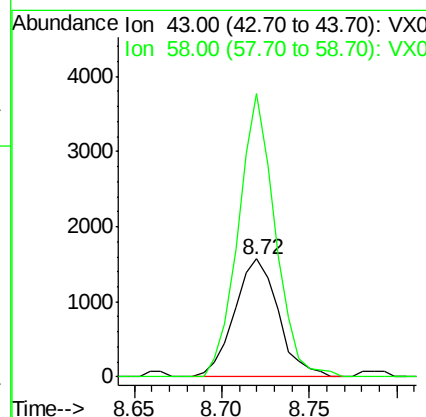
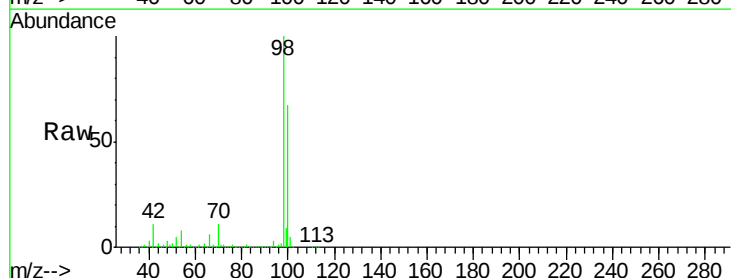
Instrument :
MSVOA_X
ClientSampled :

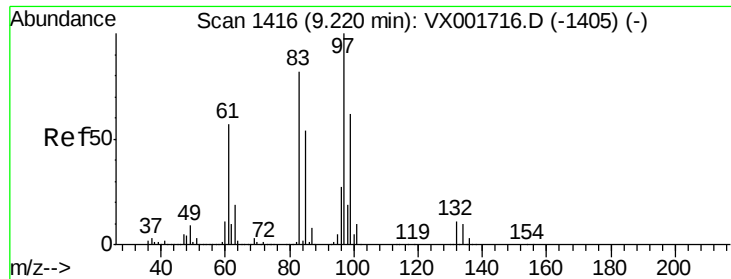
Tot Ion: 98 Resp: 710168
Ion Ratio Lower Upper
98 100
100 66.9 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001834.D
Acq: 18 May 2018 18:54

Tgt Ion: 43 Resp: 2751
Ion Ratio Lower Upper
43 100
58 200.9 31.4 47.0#





#55

1,1,2-Trichloroethane

Concen: 0.54 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.12 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 2010

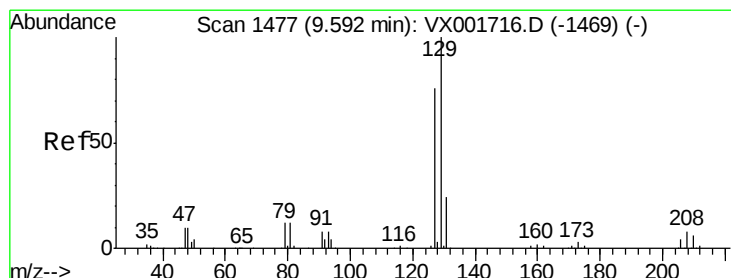
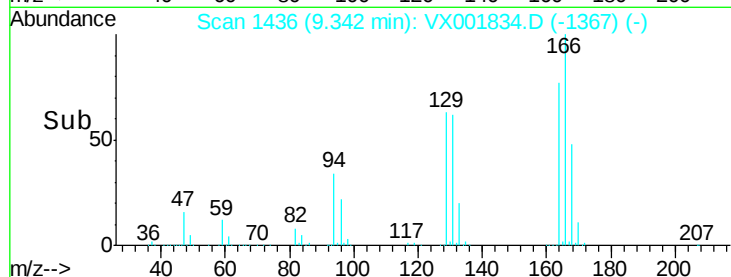
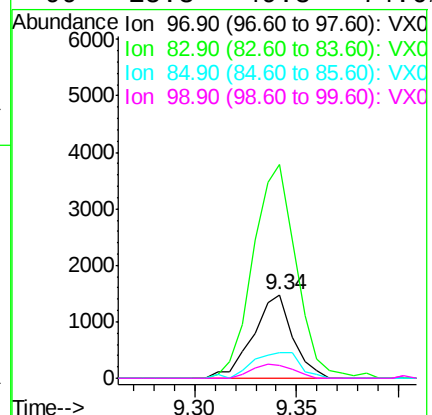
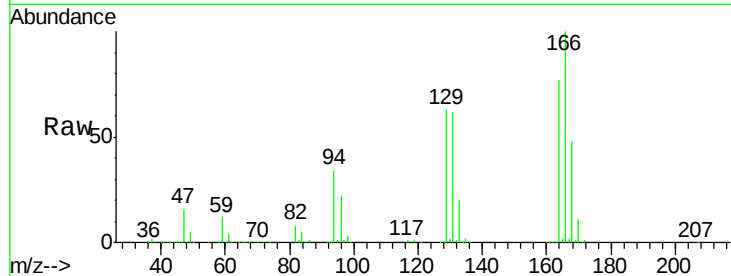
Ion Ratio Lower Upper

97 100

83 255.6 65.8 98.8#

85 30.3 43.4 65.0#

99 15.3 49.8 74.6#



#60

Dibromochloromethane

Concen: 64.19 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001834.D

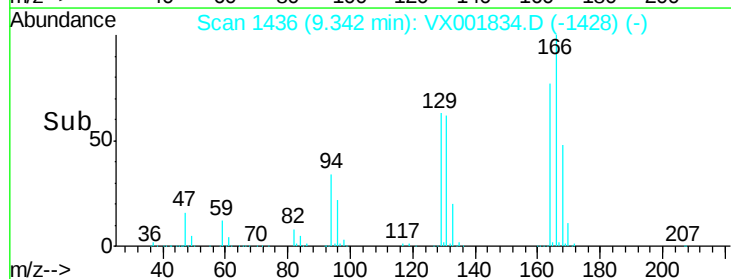
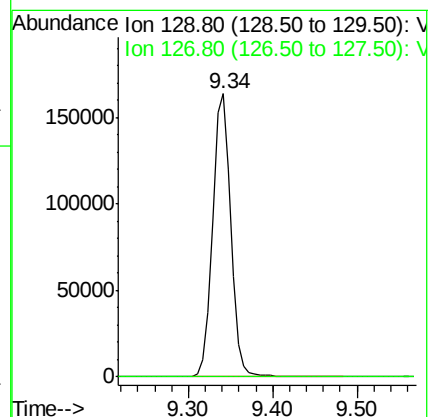
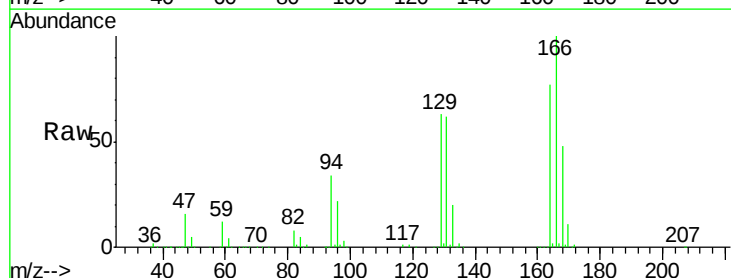
Acq: 18 May 2018 18:54

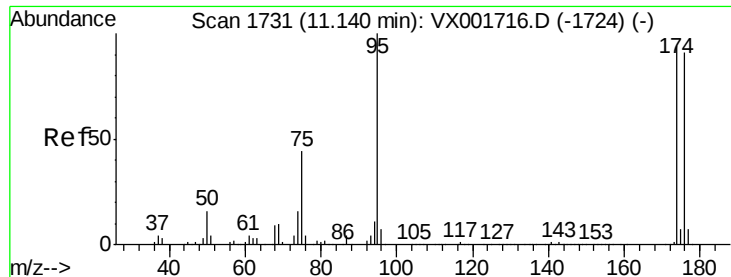
Tgt Ion:129 Resp: 245403

Ion Ratio Lower Upper

129 100

127 0.1 38.7 116.1#





#62

4-Bromofluorobenzene

Concen: 41.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

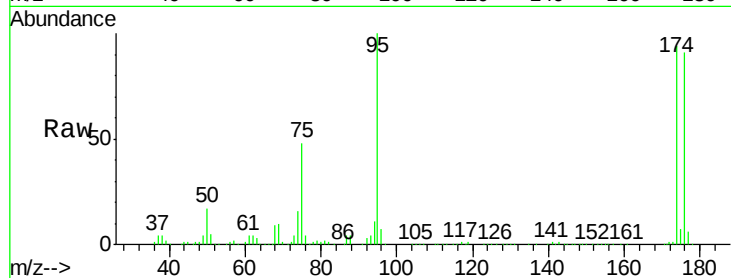
Tot Ion: 95 Resp: 204573

Ion Ratio Lower Upper

95 100

174 103.4 0.0 201.8

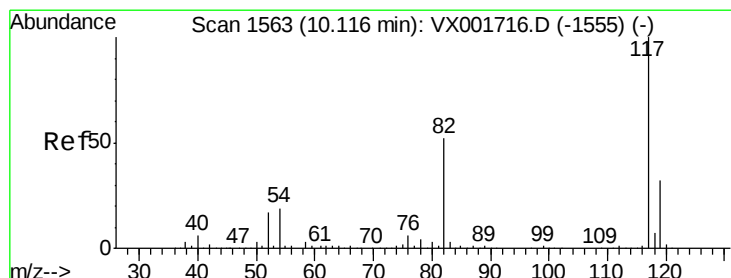
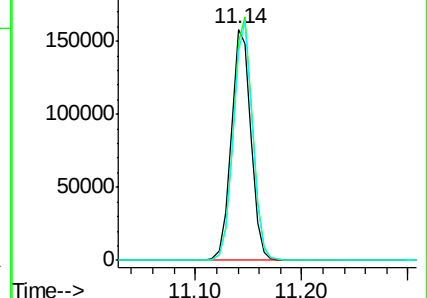
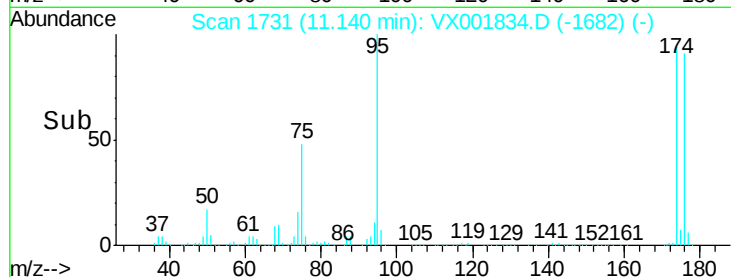
176 100.6 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001834.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001834.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001834.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

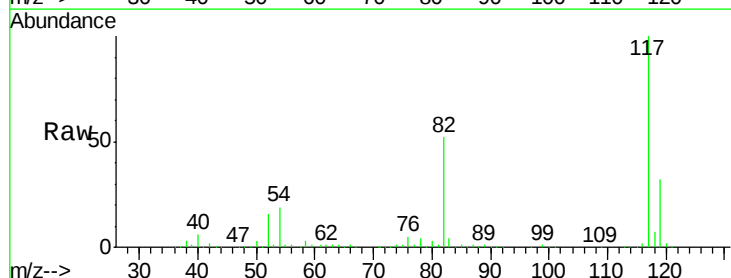
Tgt Ion: 117 Resp: 358958

Ion Ratio Lower Upper

117 100

82 52.4 41.4 62.2

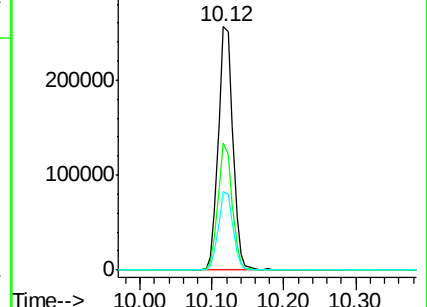
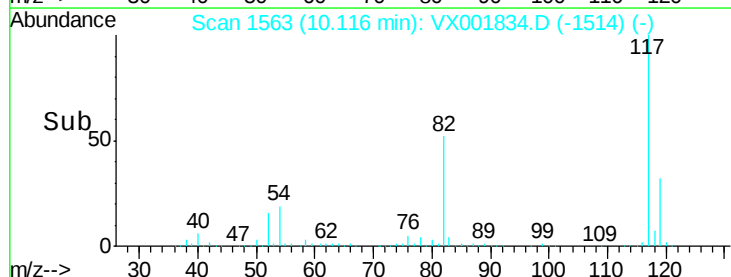
119 32.4 25.6 38.4

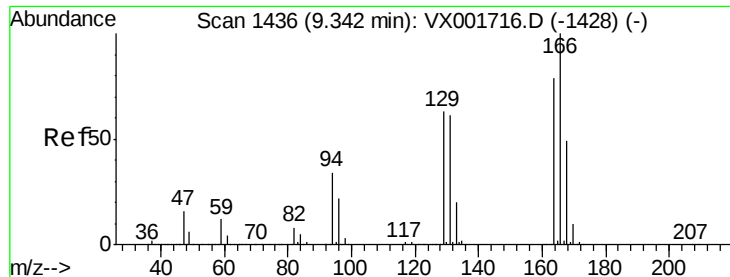


Abundance Ion 116.90 (116.60 to 117.60): VX001834.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001834.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001834.D (-1514) (-)





#64

Tetrachloroethene

Concen: 63.30 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 295798

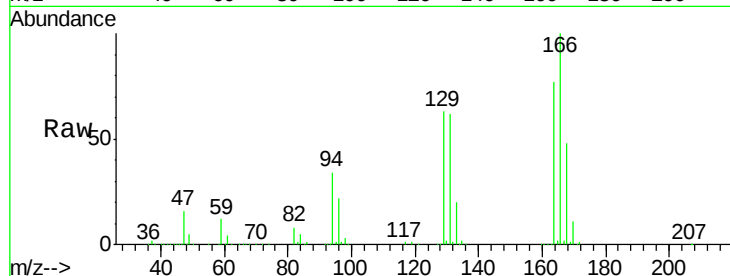
Ion Ratio Lower Upper

164 100

166 129.8 101.8 152.8

129 81.8 63.8 95.6

131 80.5 62.2 93.2

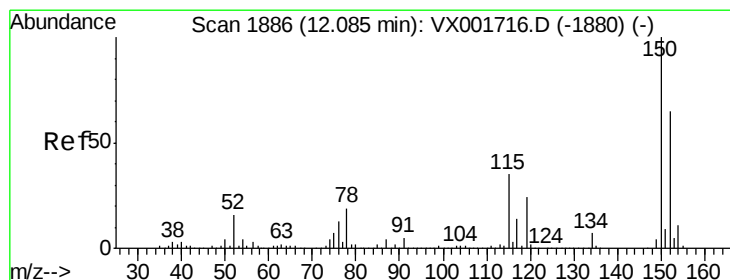
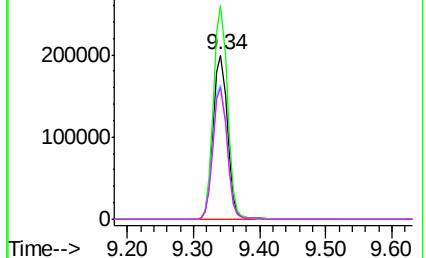
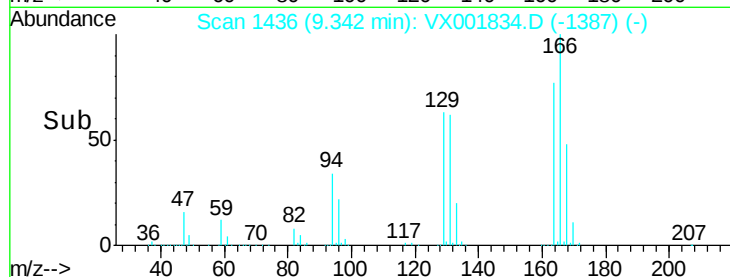


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

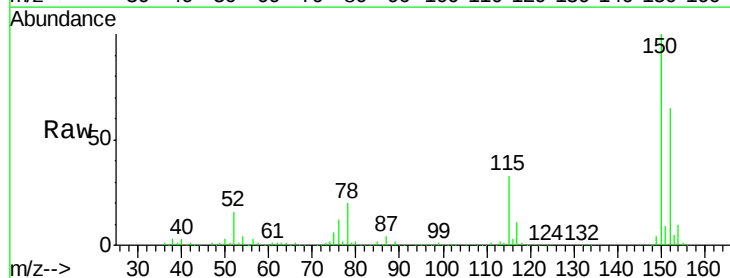
Tgt Ion:152 Resp: 194152

Ion Ratio Lower Upper

152 100

115 51.9 37.4 112.2

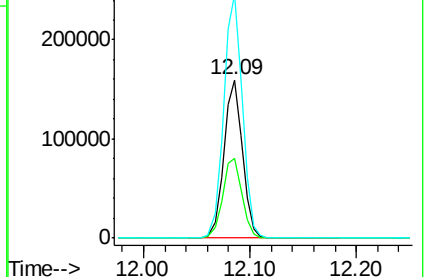
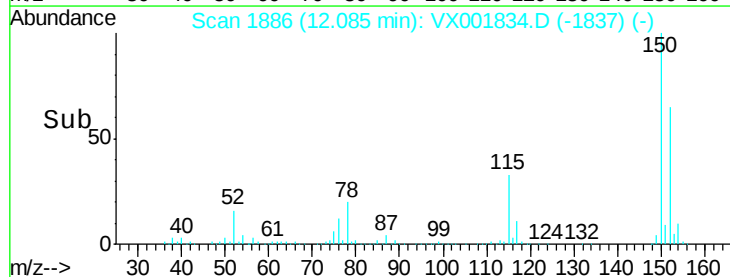
150 155.1 0.0 344.8

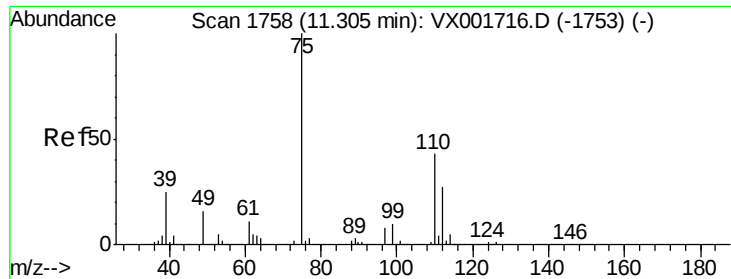


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

Instrument :

MSVOA_X

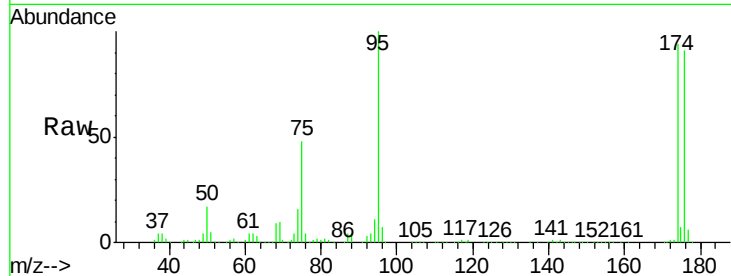
ClientSampleId :

Tot Ion: 75 Resp: 95962

Ion Ratio Lower Upper

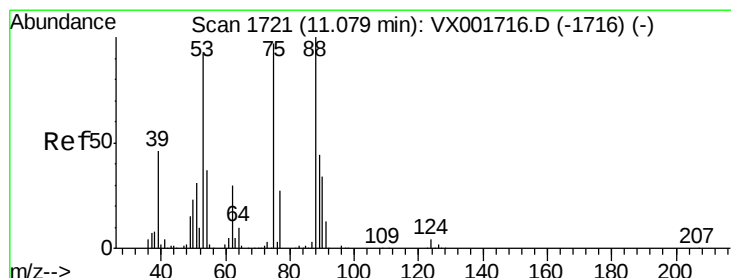
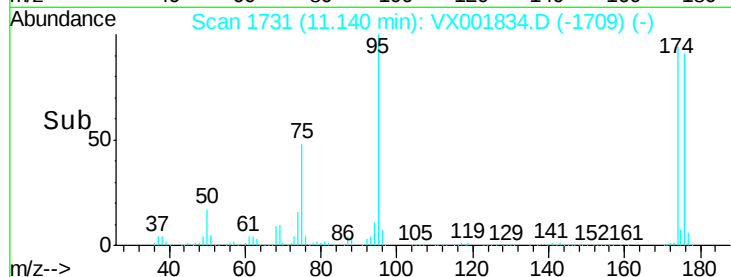
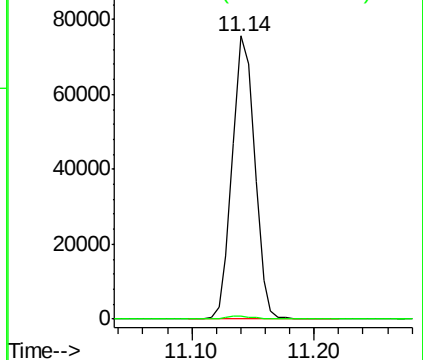
75 100

77 1.2 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: 75.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001834.D

Acq: 18 May 2018 18:54

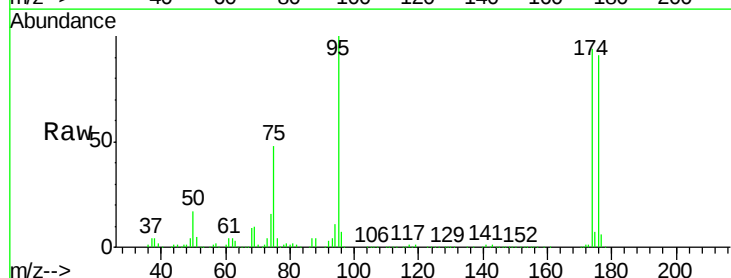
Tgt Ion: 75 Resp: 95962

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 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

