

Data File : VX001663.D

Acq On : 12 May 2018 13:36

Operator : JC/MD

Sample : J2741-19

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502

Quant Time: May 14 05:58:00 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	276135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370770	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	220273	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
35) Dibromofluoromethane	5.51	113	175963	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	8.72	98	626301	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	206316	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

Target Compounds

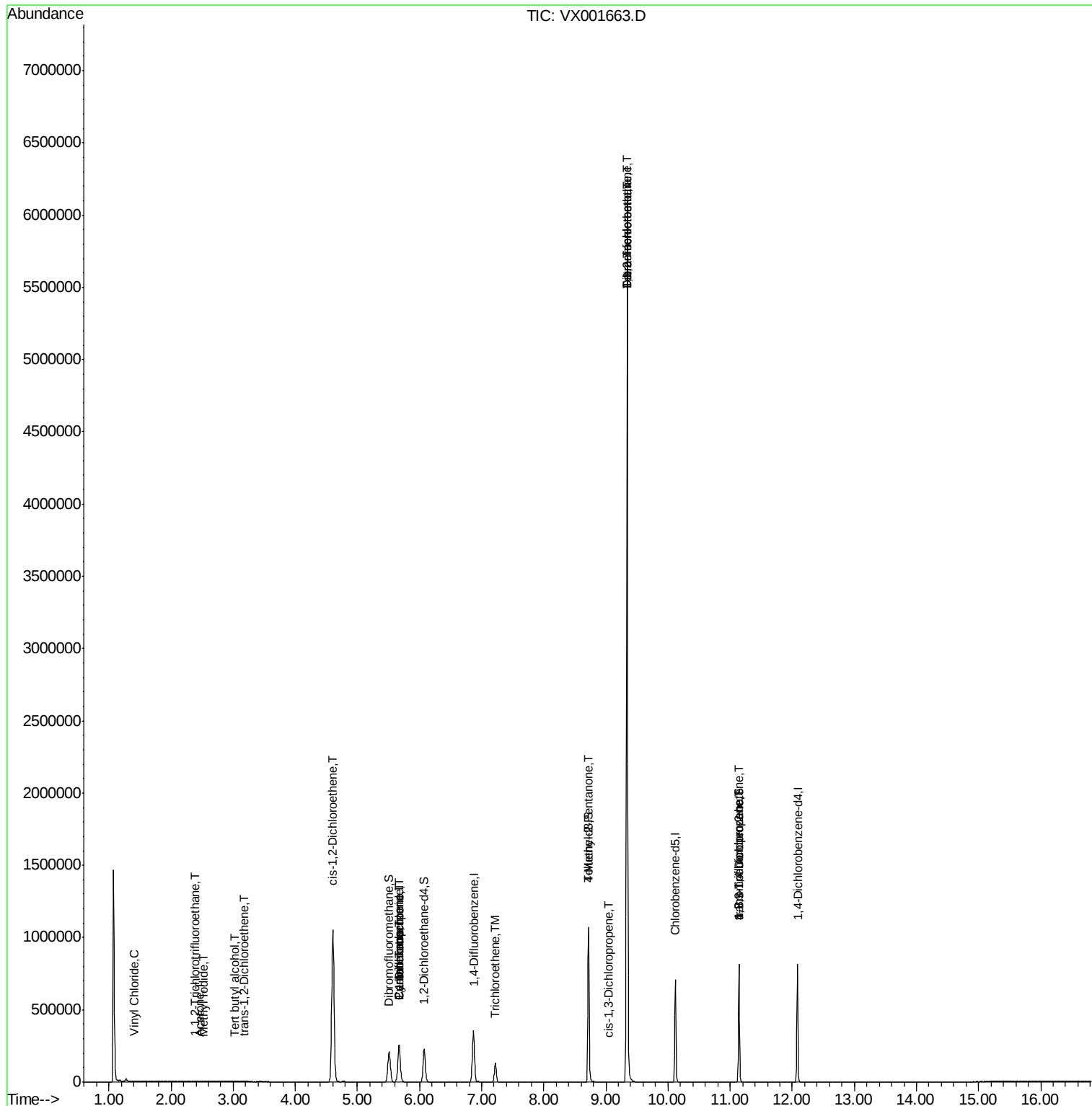
						Qvalue
4) Vinyl Chloride	1.40	62	1045	0.28	ug/l	93
5) Bromomethane	1.67	94	1514	Below	Cal	# 53
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1122	0.34	ug/l	90
10) Methyl Iodide	2.51	142	1774	0.37	ug/l	99
11) Tert butyl alcohol	3.02	59	2100	2.51	ug/l	# 82
13) Acrolein	2.28	56	129	Below	Cal	90
16) Acetone	2.45	43	1484	0.82	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	2221	0.65	ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	685991	188.89	ug/l	85
31) Cyclohexane	5.67	56	4653	0.91	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16667	3.53	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23558	4.68	ug/l	# 16
44) Trichloroethene	7.22	130	54596	12.97	ug/l	99
51) 4-Methyl-2-Pentanone	8.72	43	2850	0.54	ug/l	# 1
54) cis-1,3-Dichloropropene	9.06	75	21	2.27	ug/l	# 40
55) 1,1,2-Trichloroethane	9.34	97	8680	2.39	ug/l	# 1
60) Dibromochloromethane	9.34	129	1064359	286.41	ug/l	# 11
64) Tetrachloroethene	9.34	164	1277031	279.60	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	99069	27.62	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	99069	84.81	ug/l	# 7

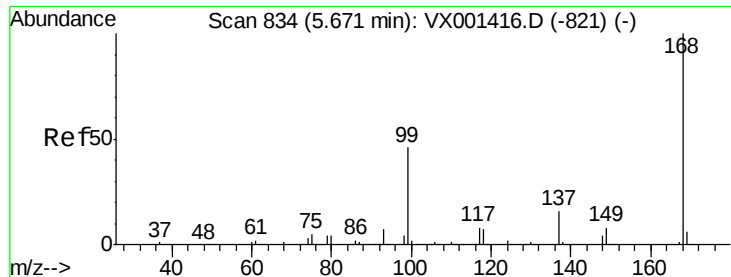
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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Quant Title : SW846 8260
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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: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

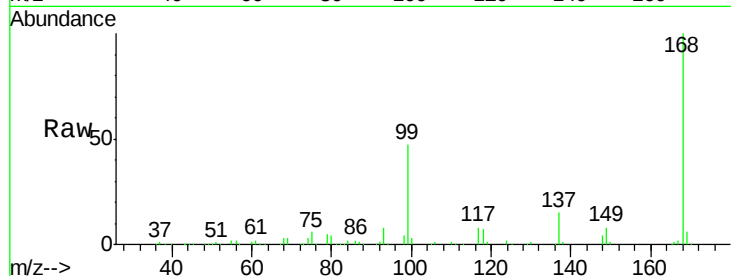
ST008MW167-180502

Tgt Ion:168 Resp: 276135

Ion Ratio Lower Upper

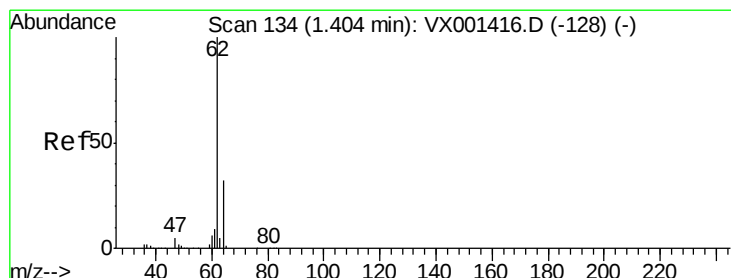
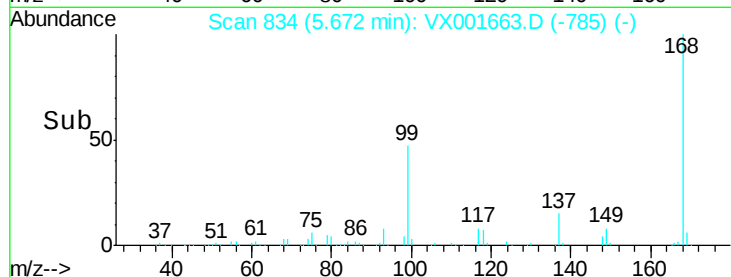
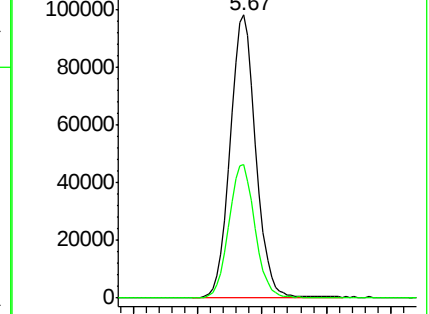
168 100

99 47.4 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.28 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001663.D

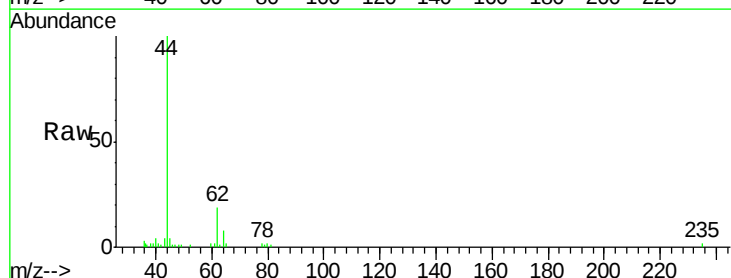
Acq: 12 May 2018 13:36

Tgt Ion: 62 Resp: 1045

Ion Ratio Lower Upper

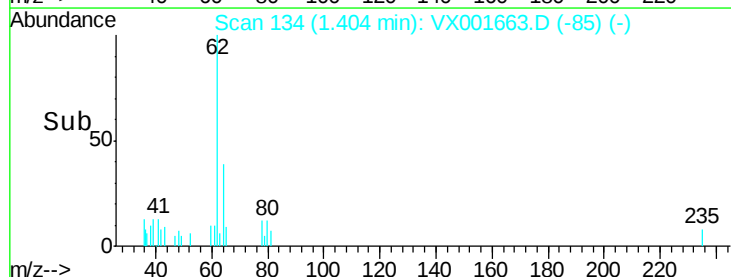
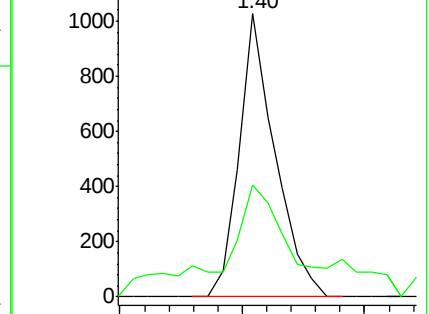
62 100

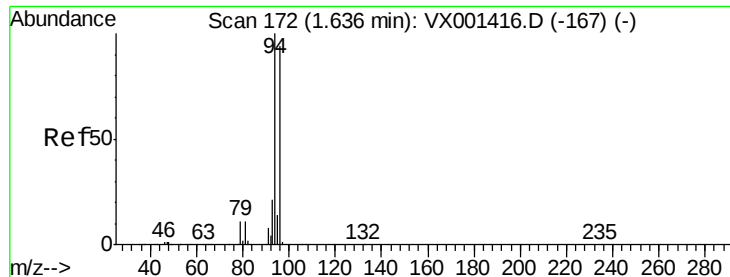
64 28.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 178

Delta R.T. 0.04 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

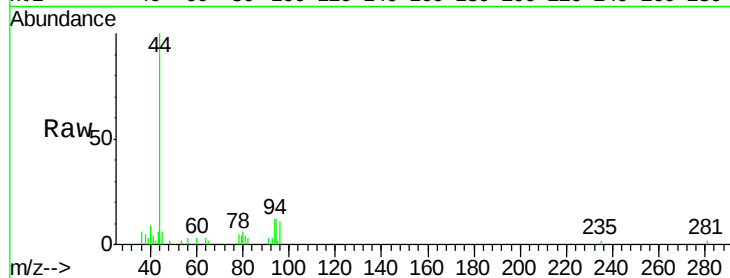
ST008MW167-180502

Tgt Ion: 94 Resp: 1514

Ion Ratio Lower Upper

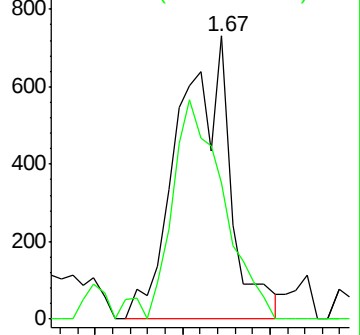
94 100

96 48.3 75.0 112.6#

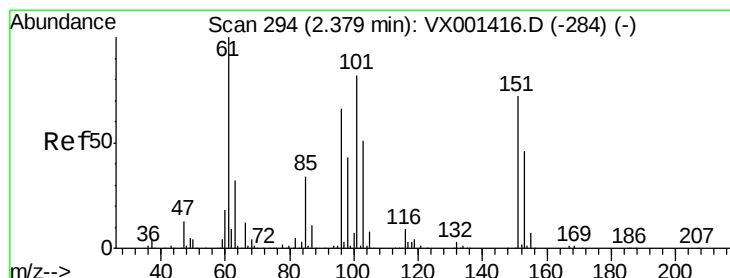
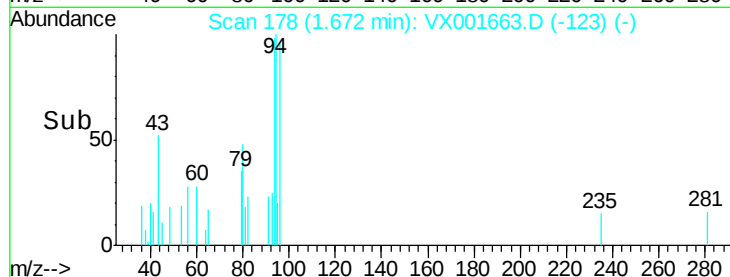


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.34 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

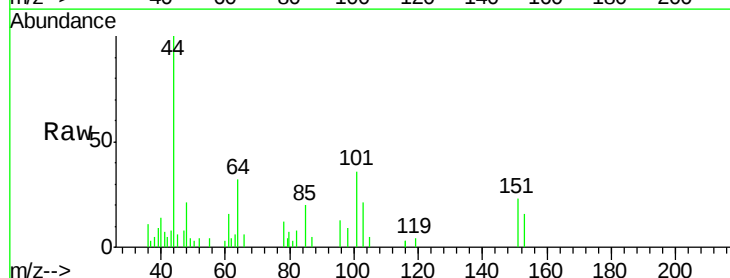
Tgt Ion: 101 Resp: 1122

Ion Ratio Lower Upper

101 100

85 49.4 33.7 50.5

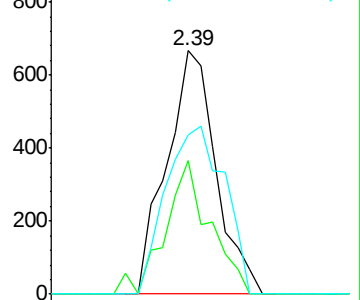
151 81.9 72.3 108.5



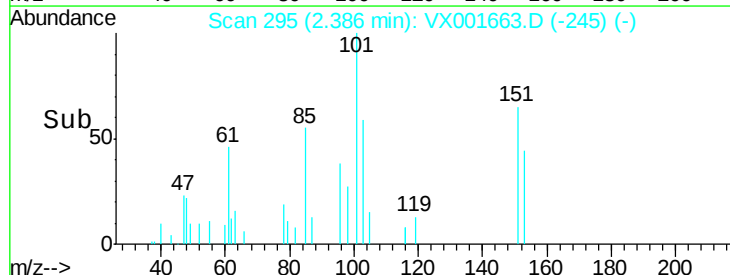
Abundance Ion 100.90 (100.60 to 101.60): V

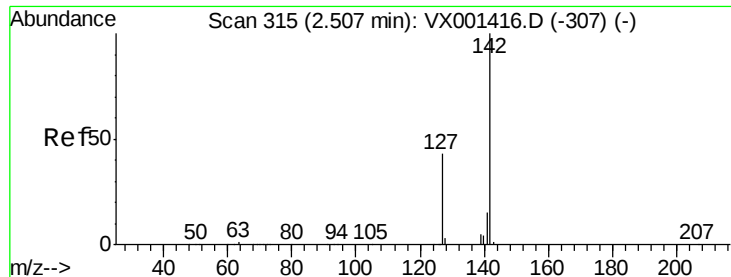
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->

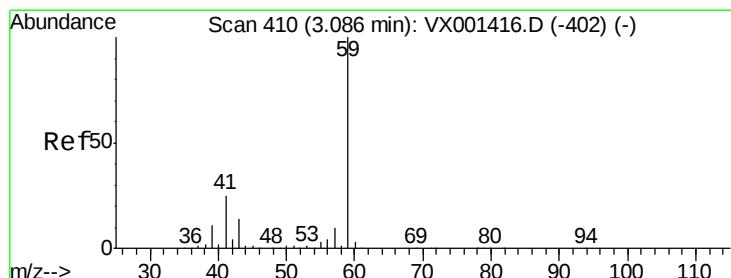
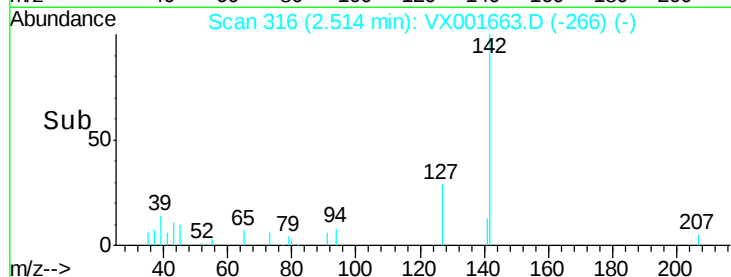
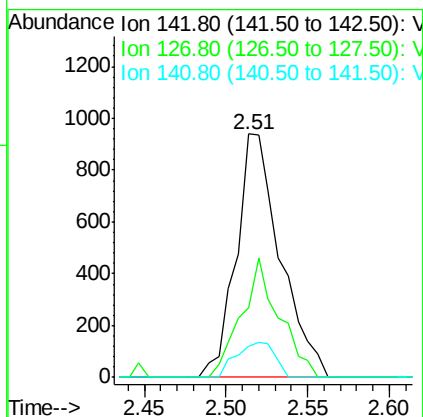
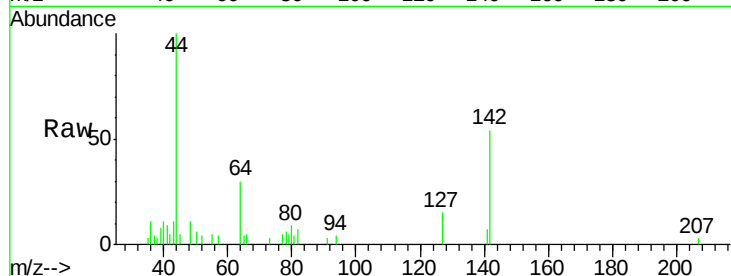




#10
Methyl Iodide
Concen: 0.37 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX001663.D
Acq: 12 May 2018 13:36

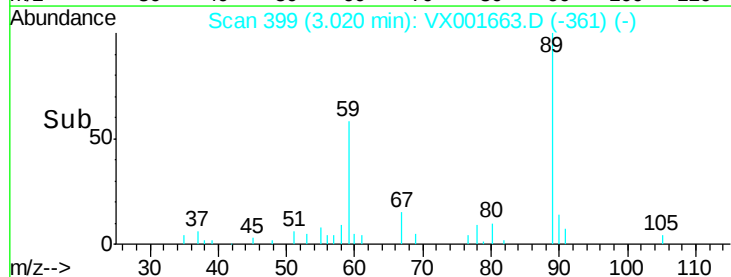
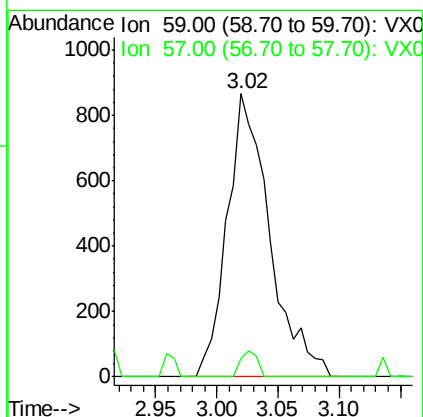
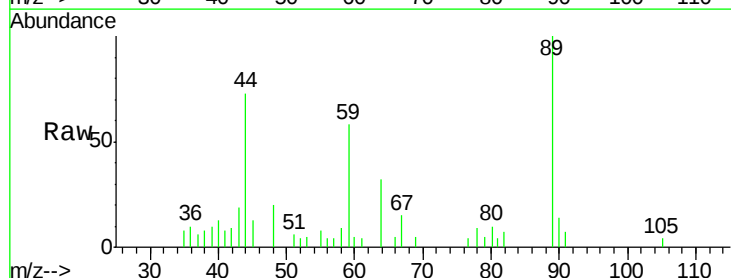
Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-180502

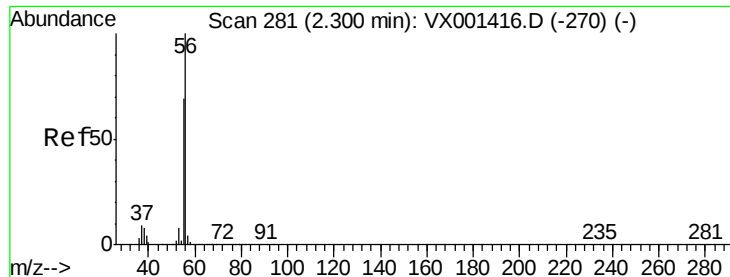
Tgt Ion: 142 Resp: 1774
Ion Ratio Lower Upper
142 100
127 41.9 33.6 50.4
141 12.5 11.4 17.2



#11
Tert butyl alcohol
Concen: 2.51 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.07 min
Lab File: VX001663.D
Acq: 12 May 2018 13:36

Tgt Ion: 59 Resp: 2100
Ion Ratio Lower Upper
59 100
57 3.4 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

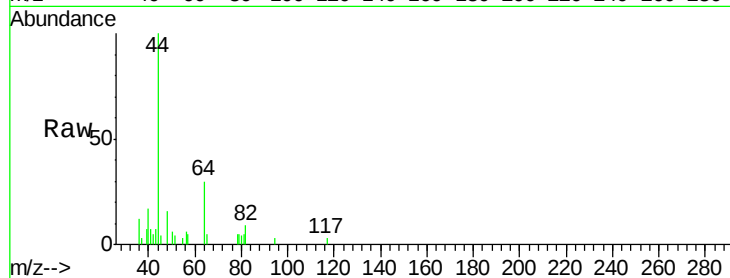
ST008MW167-180502

Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 76.0 54.5 81.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

100

80

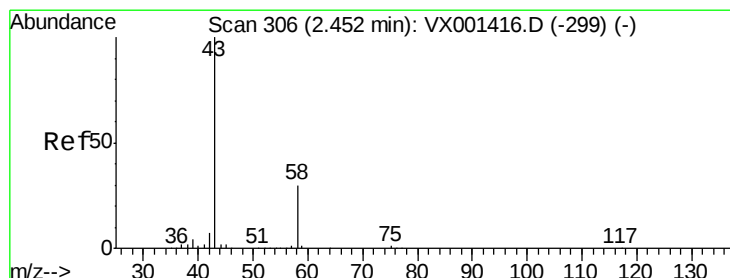
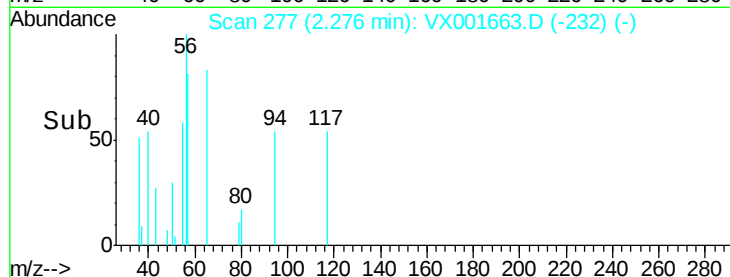
60

40

20

0

Time-->



#16

Acetone

Concen: 0.82 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001663.D

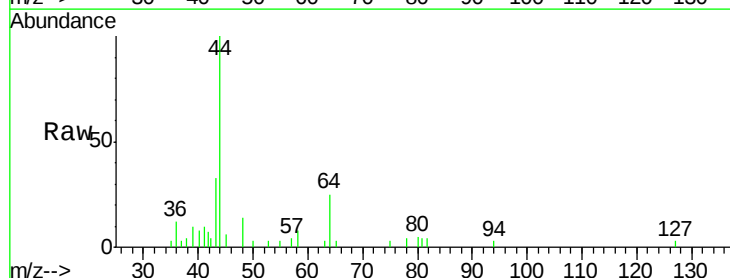
Acq: 12 May 2018 13:36

Tgt Ion: 43 Resp: 1484

Ion Ratio Lower Upper

43 100

58 25.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

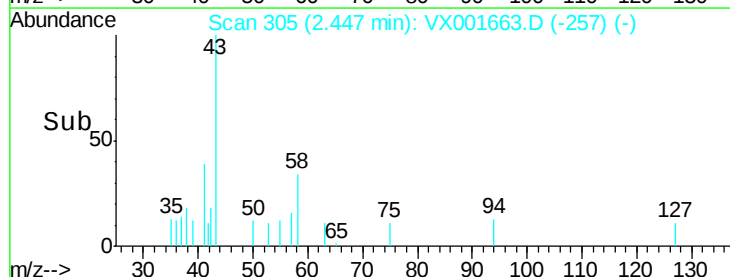
600

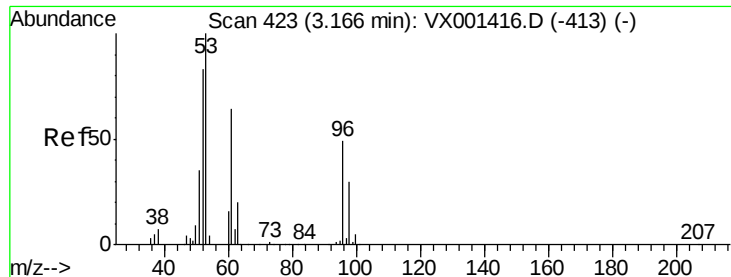
400

200

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.65 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502

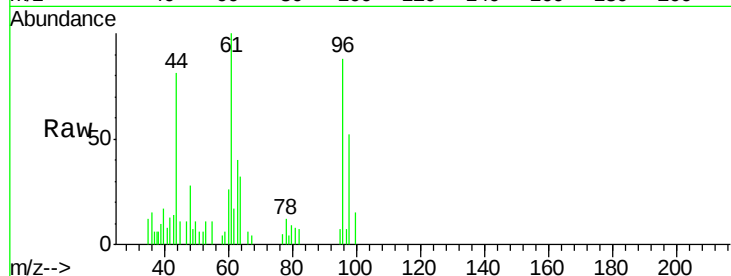
Tgt Ion: 96 Resp: 2221

Ion Ratio Lower Upper

96 100

61 113.2 105.0 157.4

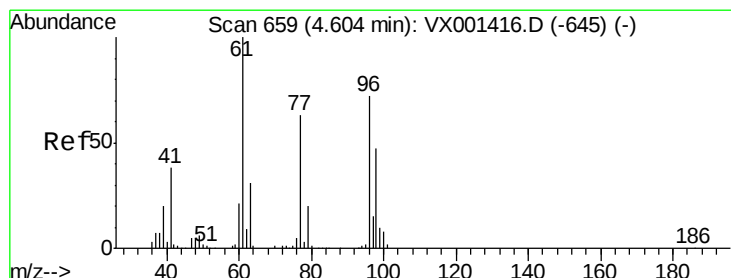
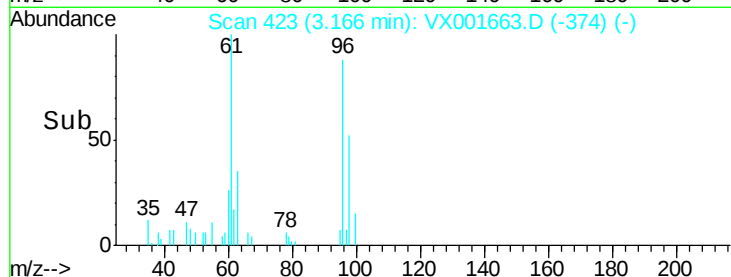
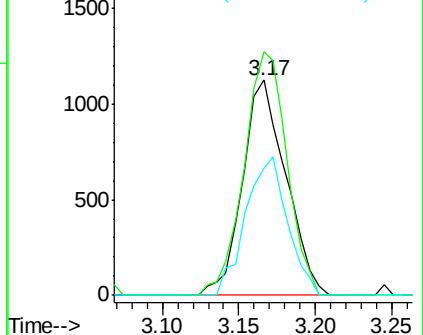
98 59.3 49.9 74.9



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



#27

cis-1,2-Dichloroethene

Concen: 188.89 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

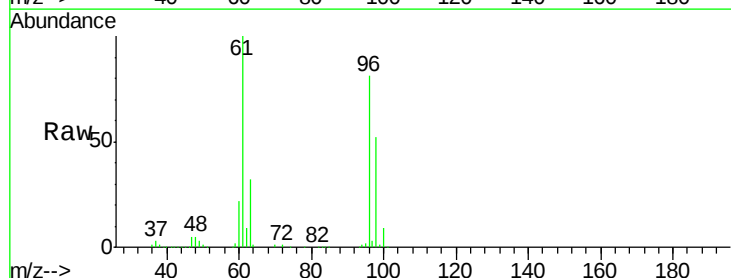
Tgt Ion: 96 Resp: 685991

Ion Ratio Lower Upper

96 100

61 125.1 0.0 301.6

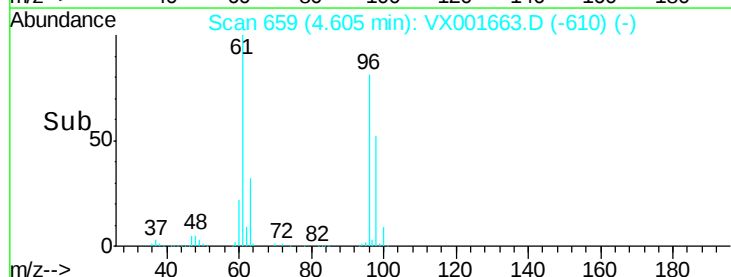
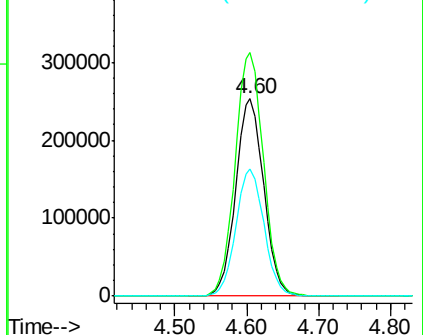
98 64.4 0.0 131.6

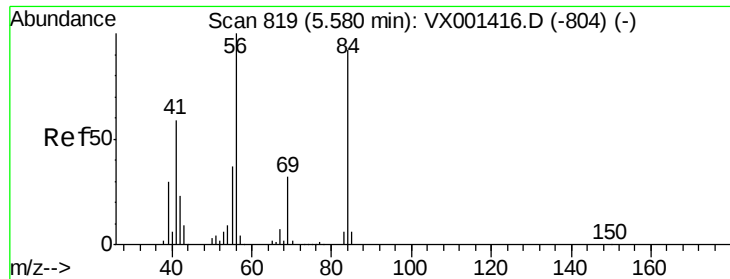


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

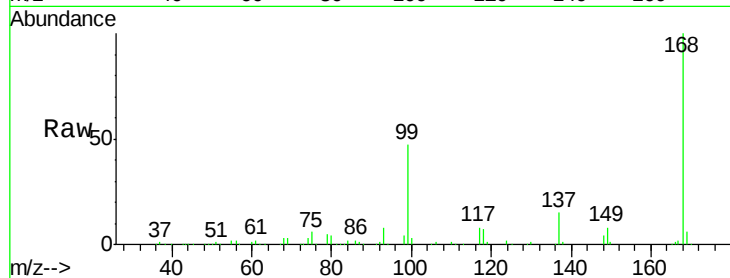




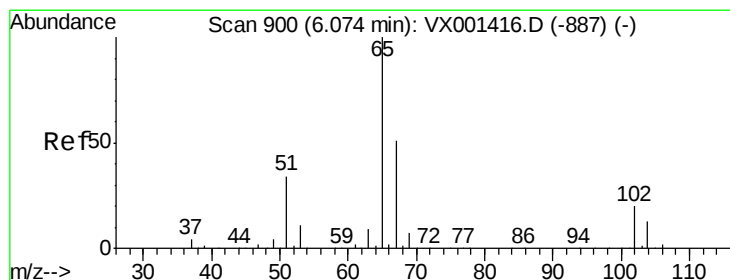
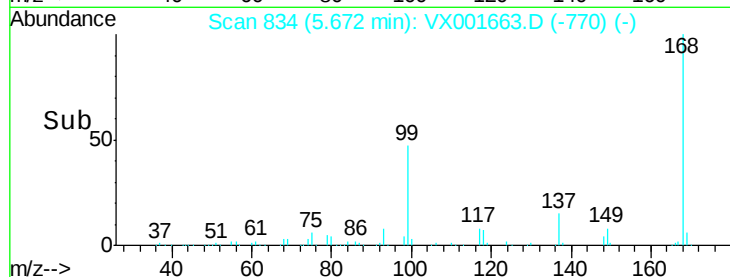
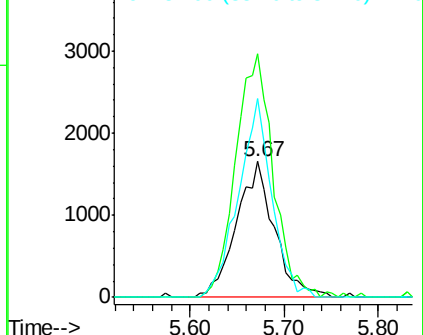
#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001663.D
Acq: 12 May 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-180502

Tgt Ion: 56 Resp: 4653
Ion Ratio Lower Upper
56 100
69 179.1 25.4 38.0#
84 146.3 73.8 110.8#

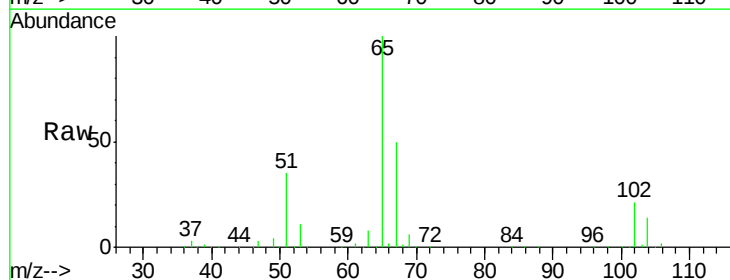


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

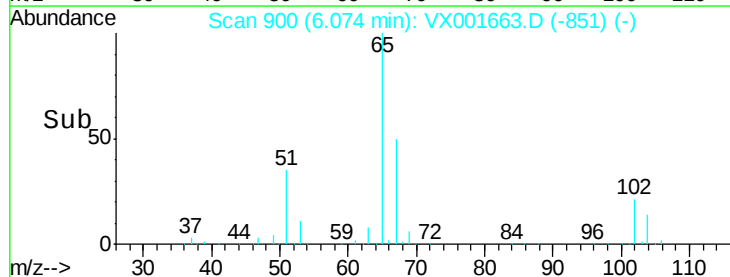
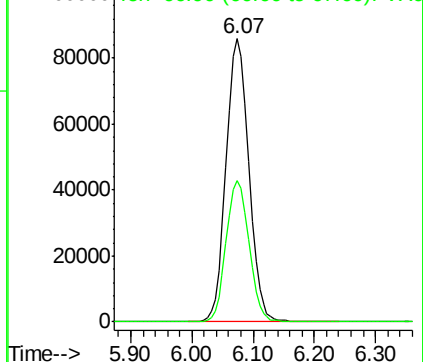


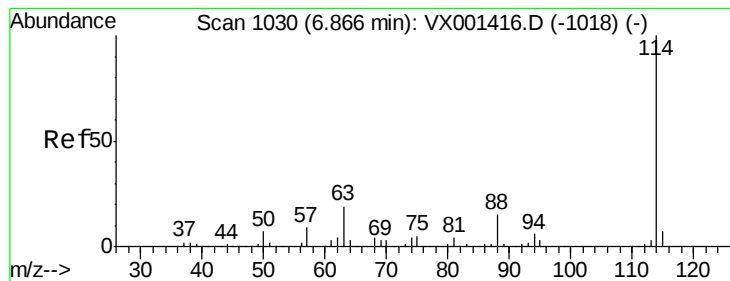
#33
1,2-Dichloroethane-d4
Concen: 55.50 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001663.D
Acq: 12 May 2018 13:36

Tgt Ion: 65 Resp: 220273
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502

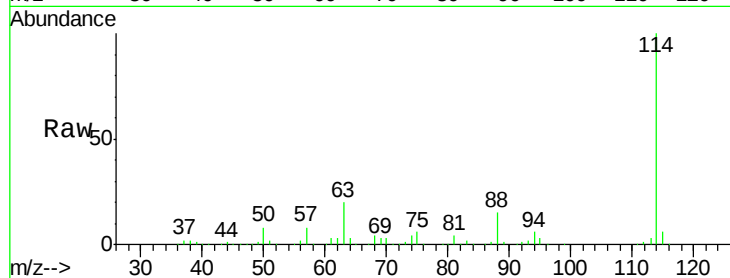
Tgt Ion:114 Resp: 370770

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

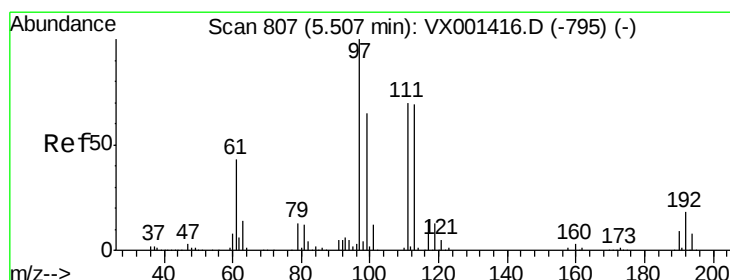
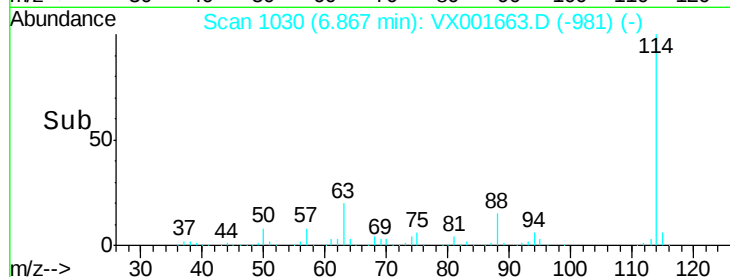
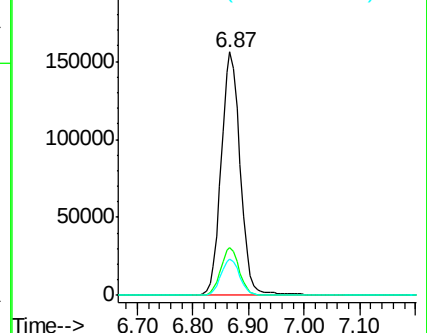
88 14.9 0.0 30.8



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



#35

Dibromofluoromethane

Concen: 53.36 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

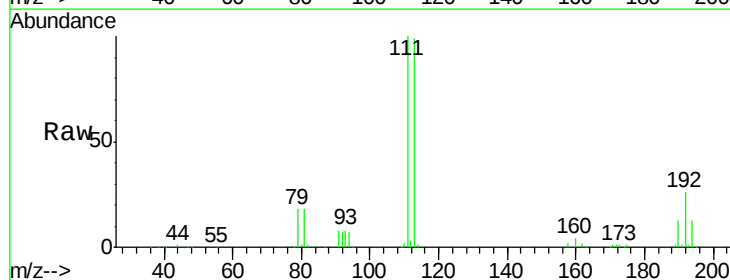
Tgt Ion:113 Resp: 175963

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

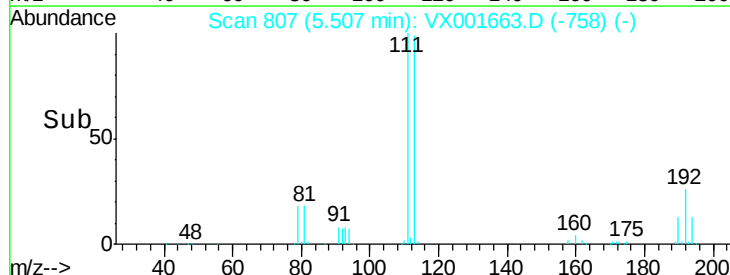
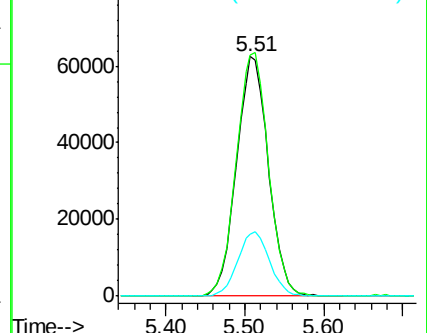
192 26.8 21.4 32.0

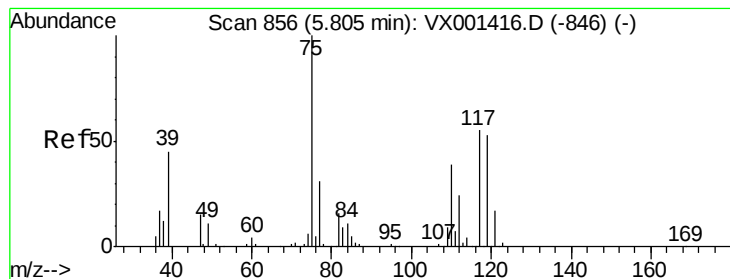


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502

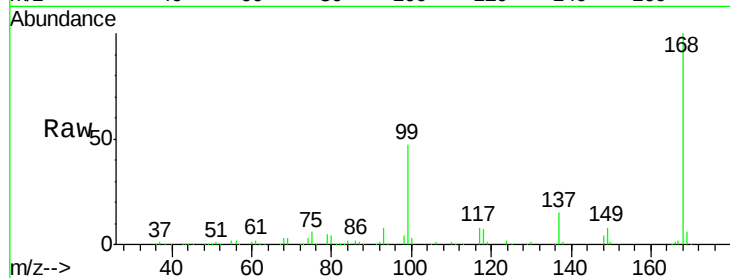
Tgt Ion: 75 Resp: 16667

Ion Ratio Lower Upper

75 100

110 9.7 18.9 56.7#

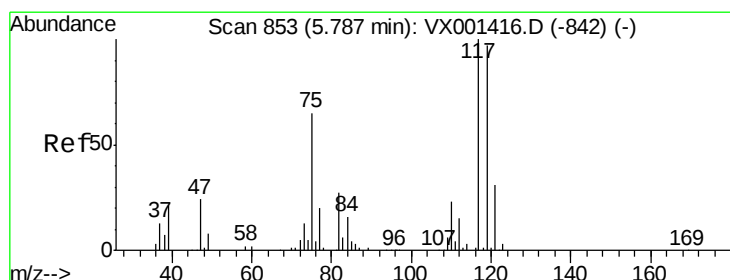
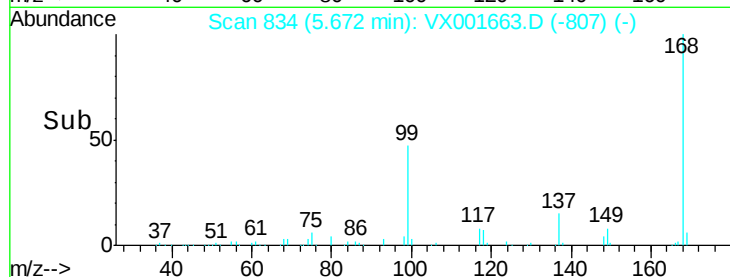
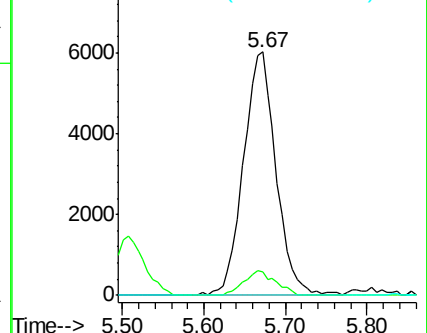
77 0.0 24.9 37.3#



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: 4.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

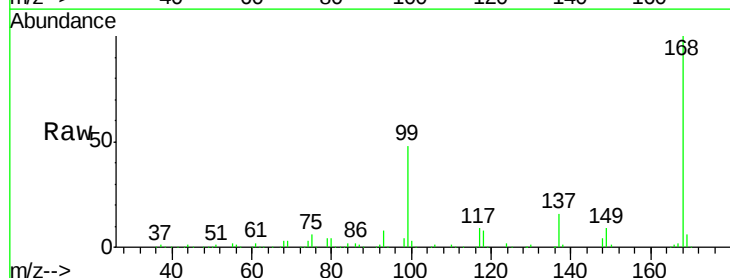
Tgt Ion: 117 Resp: 23558

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

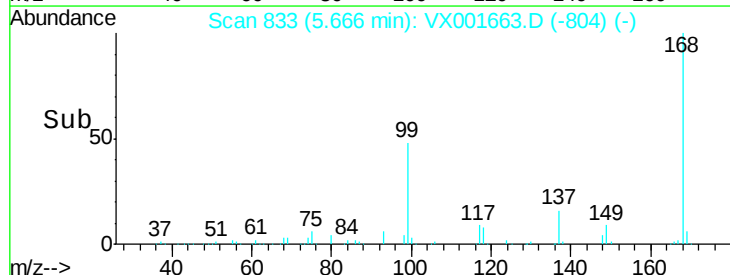
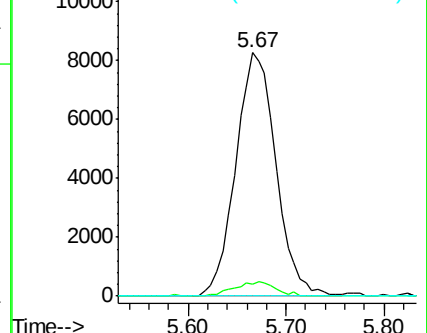
121 0.0 25.1 37.7#

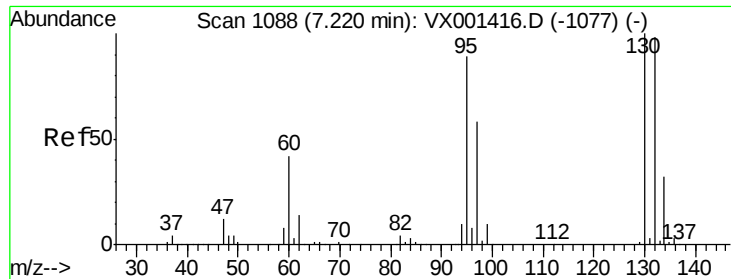


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 12.97 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

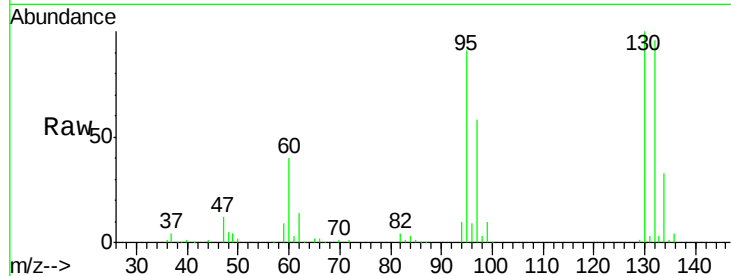
ST008MW167-180502

Tgt Ion:130 Resp: 54596

Ion Ratio Lower Upper

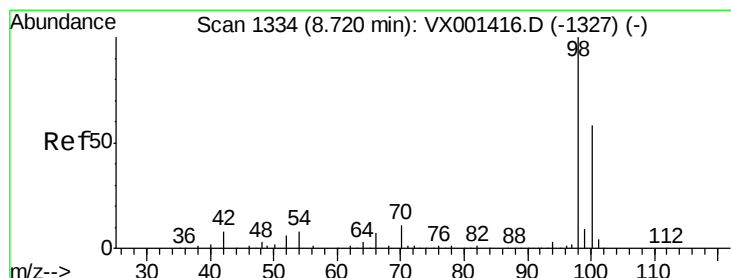
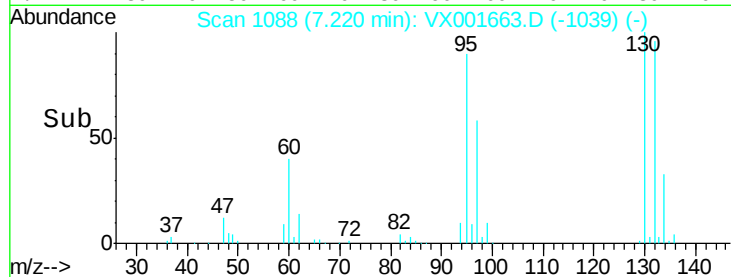
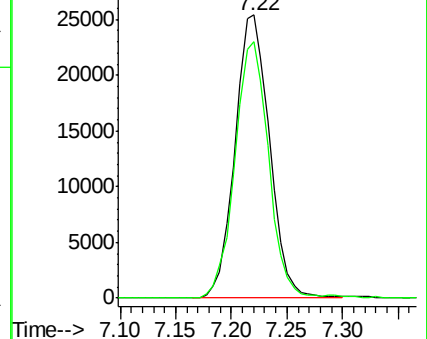
130 100

95 90.5 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.03 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001663.D

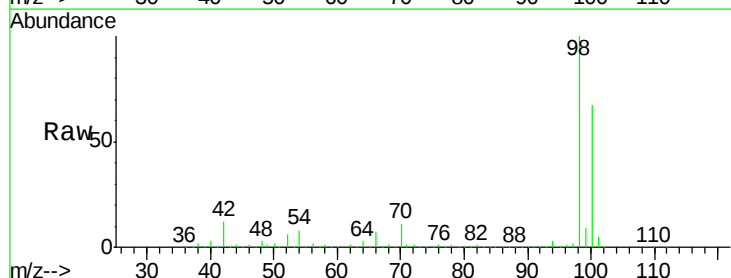
Acq: 12 May 2018 13:36

Tgt Ion: 98 Resp: 626301

Ion Ratio Lower Upper

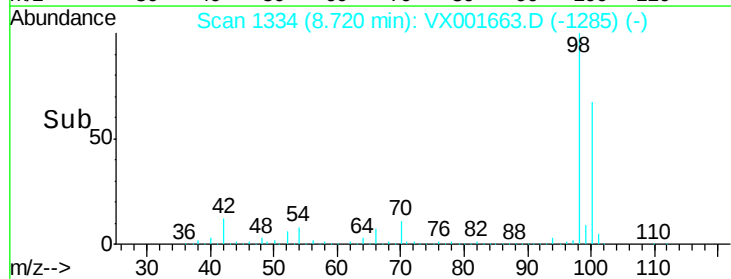
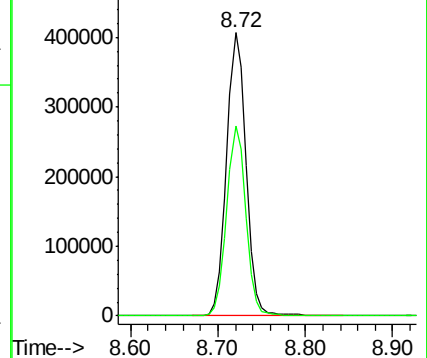
98 100

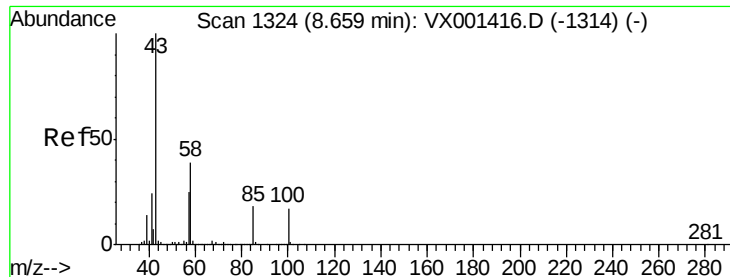
100 66.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

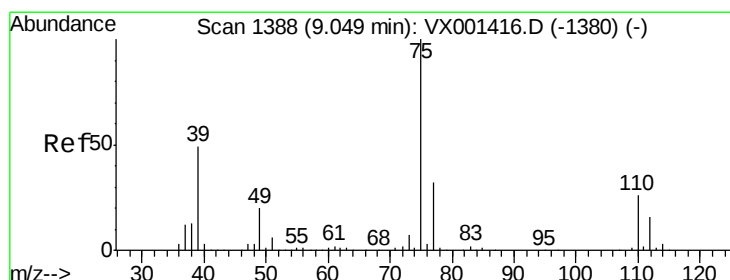
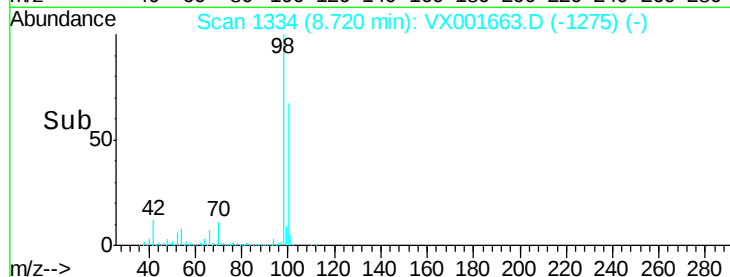
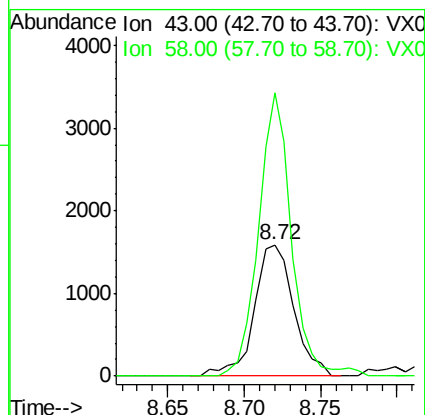
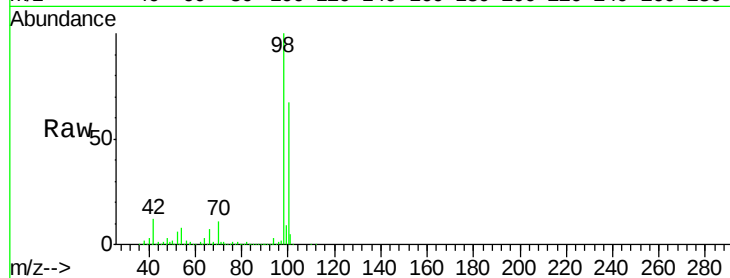
ST008MW167-180502

Tgt Ion: 43 Resp: 2850

Ion Ratio Lower Upper

43 100

58 180.3 30.8 46.2#



#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 9.06 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

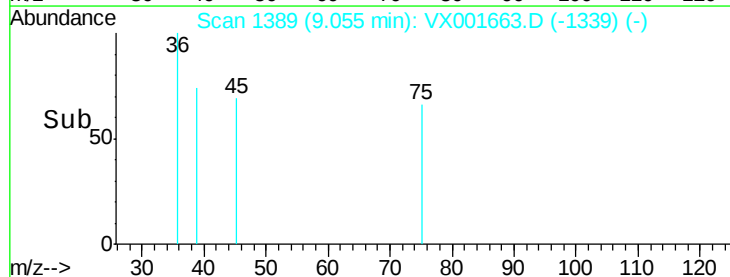
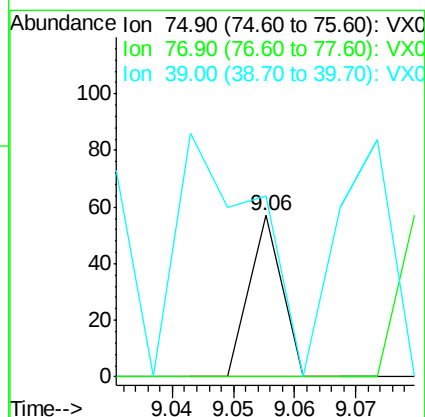
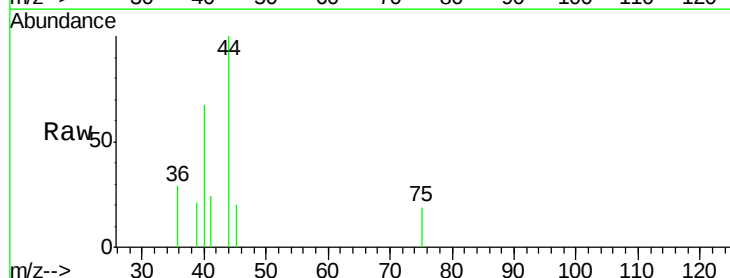
Tgt Ion: 75 Resp: 21

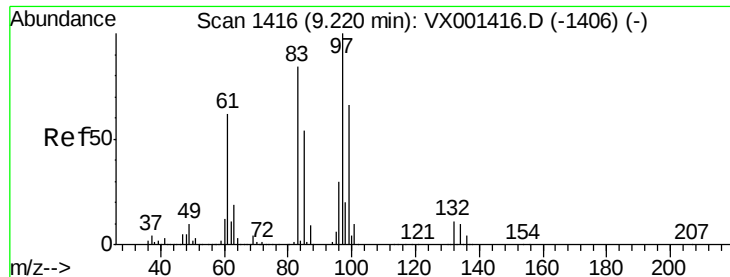
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 7.0 38.9 58.3#

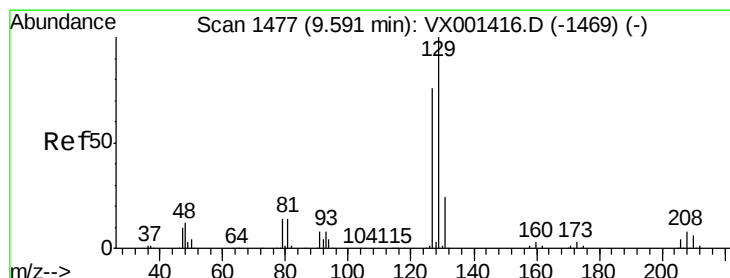
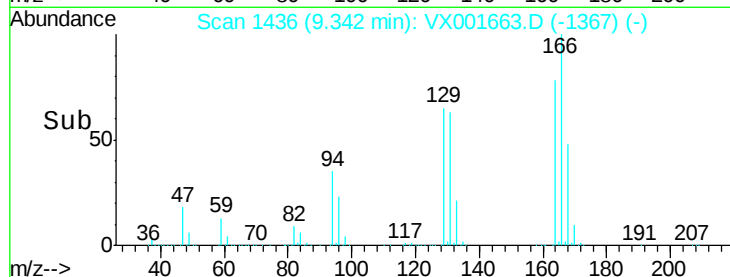
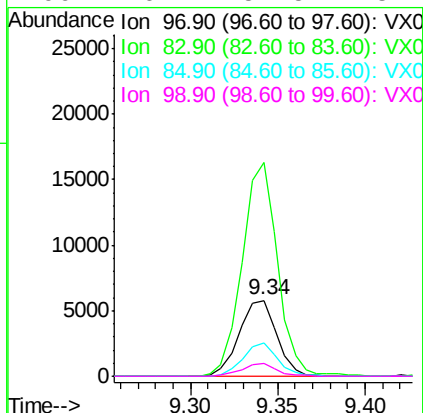
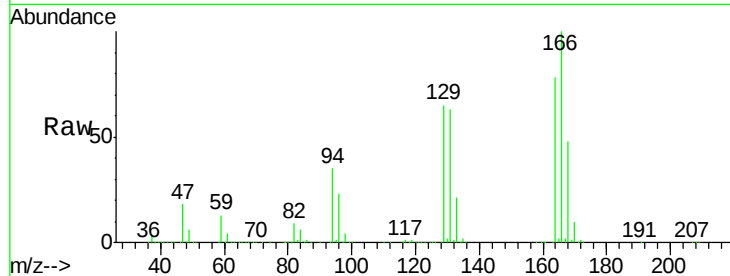




#55
 1,1,2-Trichloroethane
 Concen: 2.39 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: VX001663.D
 Acq: 12 May 2018 13:36

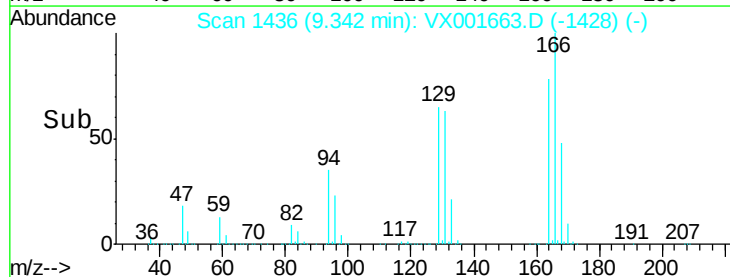
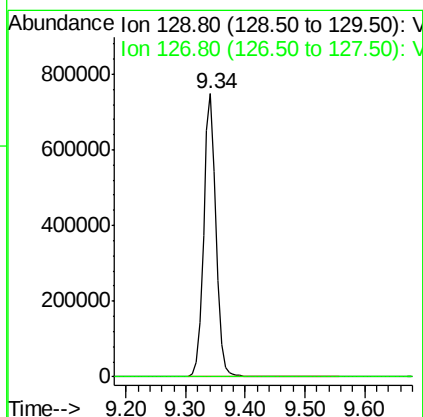
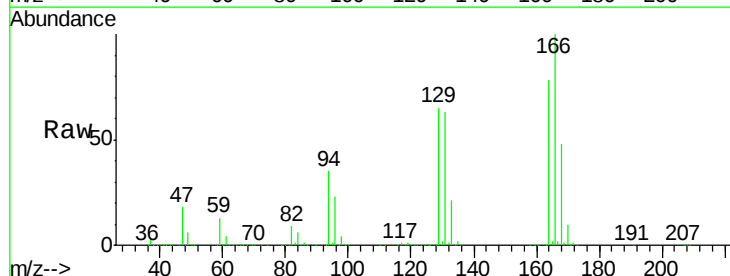
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW167-180502

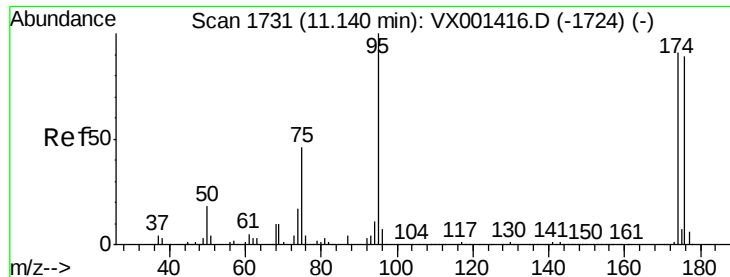
Tgt Ion: 97 Resp: 8680
 Ion Ratio Lower Upper
 97 100
 83 282.3 67.4 101.0#
 85 43.8 43.3 64.9
 99 16.4 52.5 78.7#



#60
 Dibromochloromethane
 Concen: 286.41 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001663.D
 Acq: 12 May 2018 13:36

Tgt Ion: 129 Resp: 1064359
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.5#

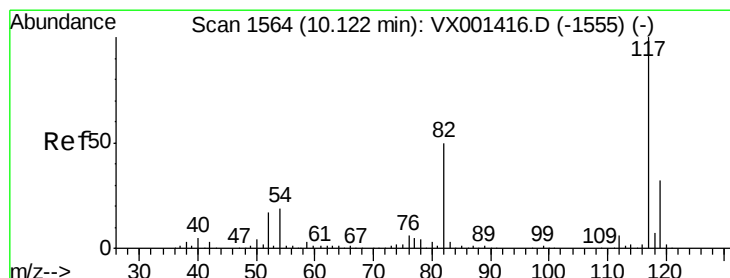
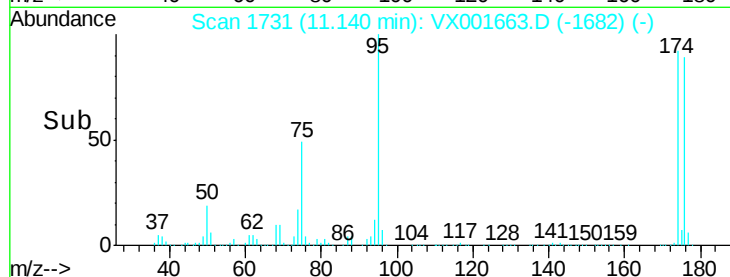
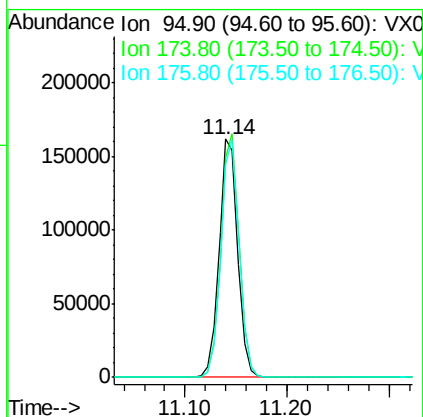
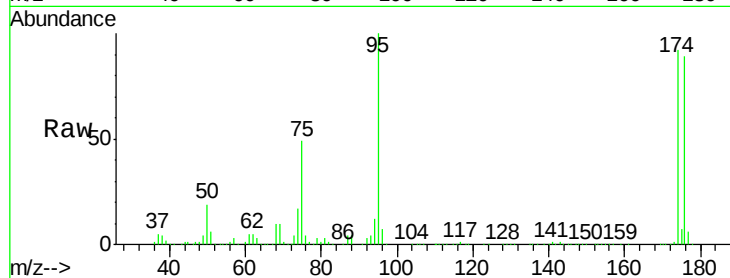




#62
4-Bromofluorobenzene
Concen: 44.65 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001663.D
Acq: 12 May 2018 13:36

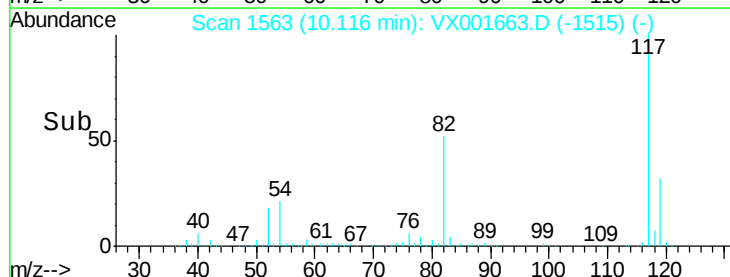
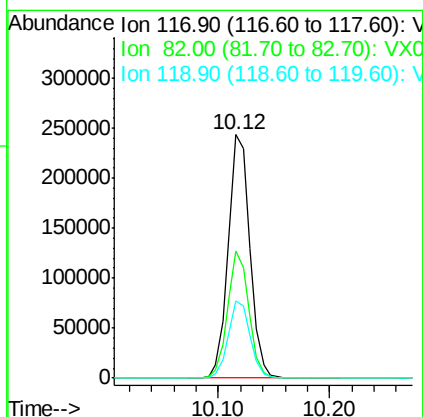
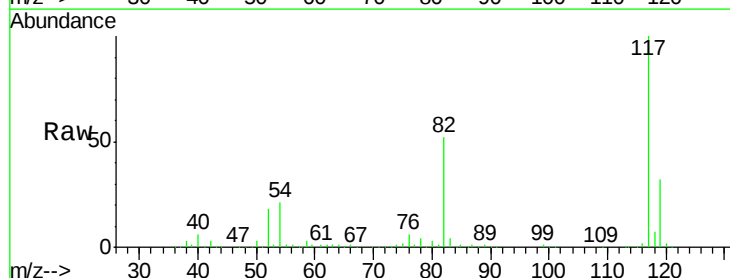
Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-180502

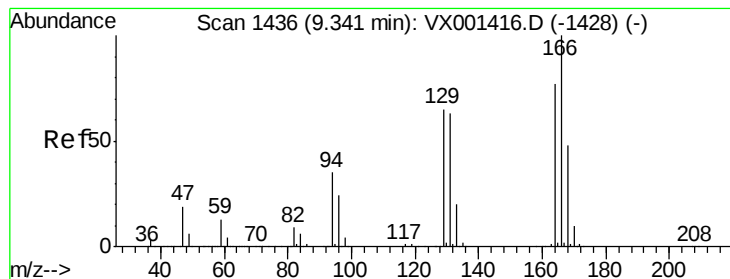
Tgt Ion: 95 Resp: 206316
Ion Ratio Lower Upper
95 100
174 101.0 0.0 202.0
176 97.8 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001663.D
Acq: 12 May 2018 13:36

Tgt Ion: 117 Resp: 327682
Ion Ratio Lower Upper
117 100
82 52.1 40.0 60.0
119 31.9 25.8 38.8





#64

Tetrachloroethene

Concen: 279.60 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-180502

Tgt Ion:164 Resp: 1277031

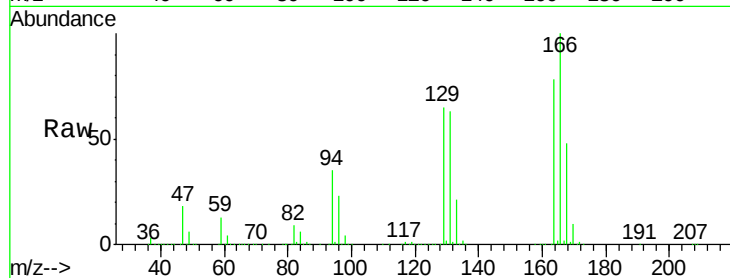
Ion Ratio Lower Upper

164 100

166 128.6 103.5 155.3

129 83.0 66.7 100.1

131 80.5 64.9 97.3

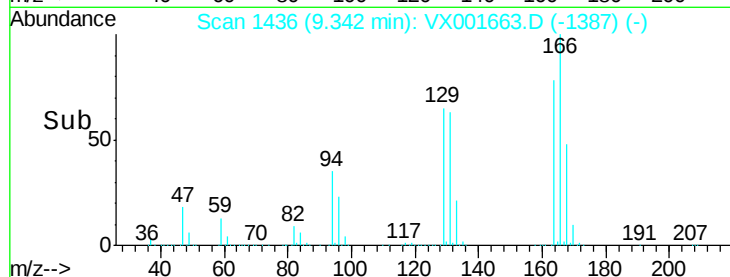


Abundance Ion 163.80 (163.50 to 164.50): V

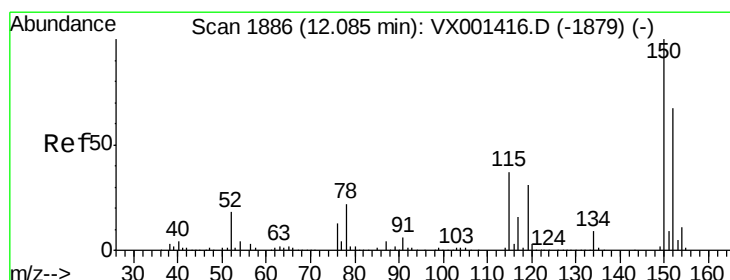
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time--> 9.20 9.30 9.40 9.50 9.60



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001663.D

Acq: 12 May 2018 13:36

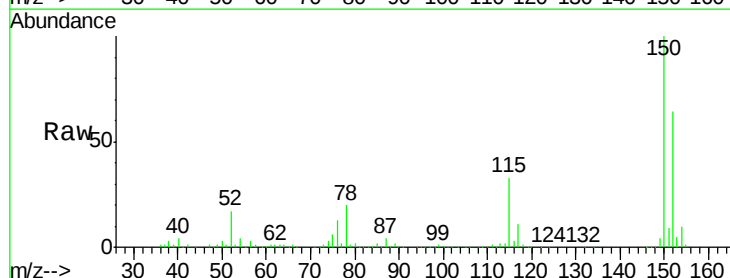
Tgt Ion:152 Resp: 176838

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

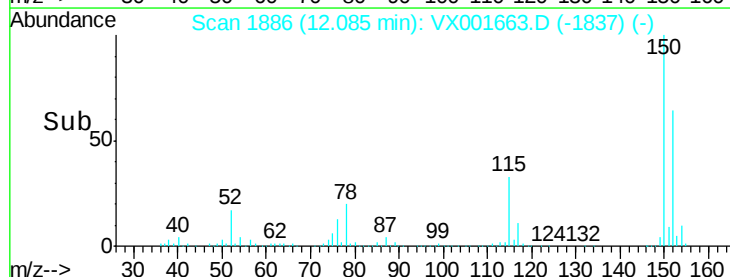
150 156.4 0.0 349.4



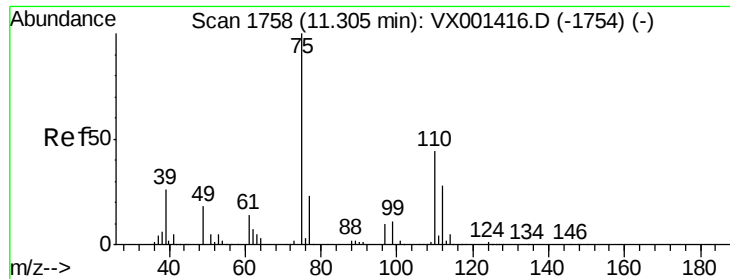
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



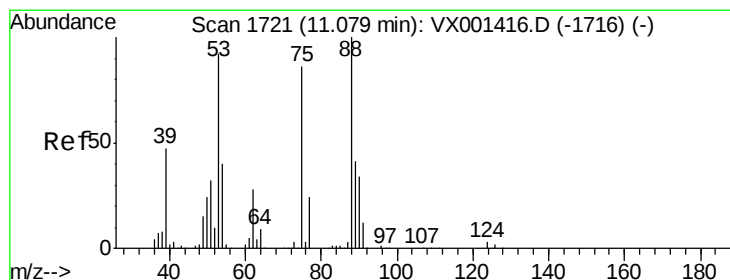
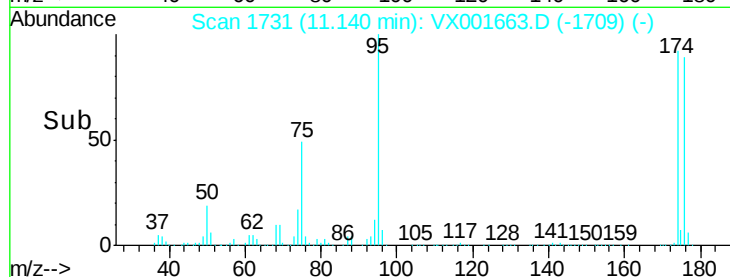
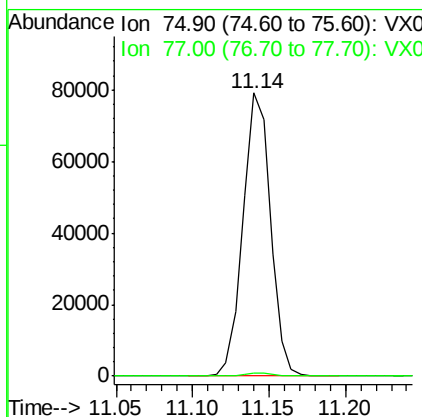
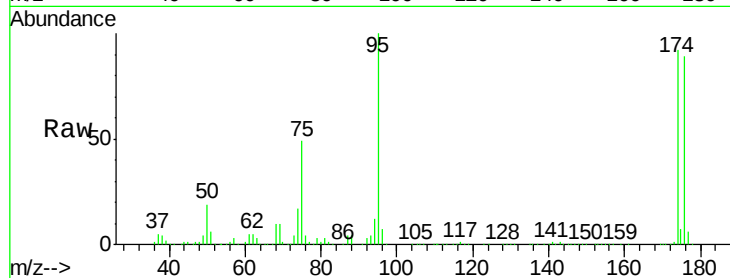
Time--> 12.00 12.05 12.10 12.15



#76
 1,2,3-Trichloropropane
 Concen: 27.62 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001663.D
 Acq: 12 May 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW167-180502

Tgt Ion: 75 Resp: 99069
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.81 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001663.D
 Acq: 12 May 2018 13:36

Tgt Ion: 75 Resp: 99069
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

