

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001654.D
 Acq On : 11 May 2018 21:55
 Operator : JC/MD
 Sample : J2741-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-180502

Quant Time: May 12 03:38:15 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	241601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328310	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148713	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	203955	58.73	ug/l	0.00
Spiked Amount			Recovery	=	117.46%	
35) Dibromofluoromethane	5.51	113	159777	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
50) Toluene-d8	8.72	98	558101	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	11.14	95	178139	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	

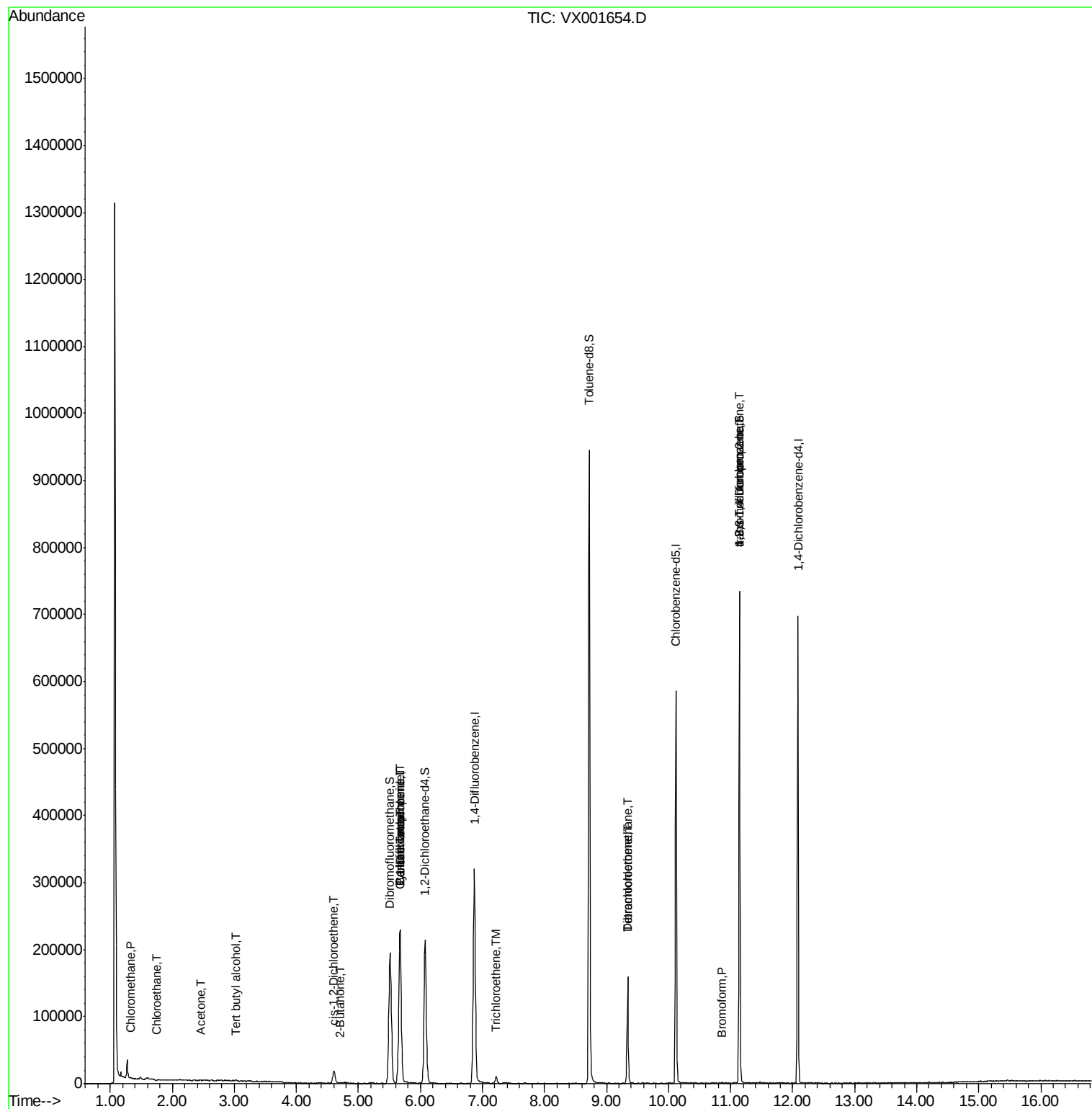
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1062	0.34	ug/l	# 80
5) Bromomethane	1.65	94	1038	Below	Cal	# 76
6) Chloroethane	1.74	64	483	0.22	ug/l	# 43
11) Tert butyl alcohol	3.03	59	1037	1.42	ug/l	# 72
13) Acrolein	2.35	56	41	Below	Cal	# 1
16) Acetone	2.45	43	1467	0.93	ug/l	100
25) 2-Butanone	4.71	43	1991	0.87	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	11673	3.67	ug/l	93
31) Cyclohexane	5.66	56	4263	0.95	ug/l	# 25
36) 1,1-Dichloropropene	5.67	75	15127	3.62	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	20440	4.59	ug/l	# 16
44) Trichloroethene	7.22	130	4091	1.10	ug/l	97
60) Dibromochloromethane	9.34	129	28600	8.69	ug/l	# 11
64) Tetrachloroethene	9.34	164	34311	8.64	ug/l	98
71) Bromoform	10.87	173	578	3.76	ug/l	# 28
76) 1,2,3-Trichloropropane	11.14	75	89588	29.70	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	89588	90.87	ug/l	# 7

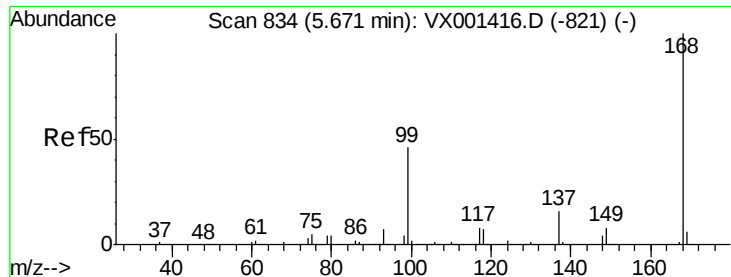
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 12 03:38:15 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampleId :

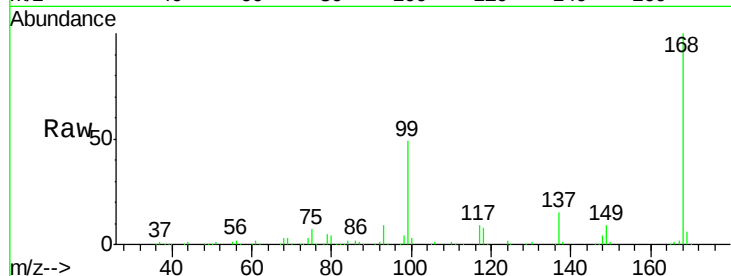
M-16-180502

Tgt Ion:168 Resp: 241601

Ion Ratio Lower Upper

168 100

99 48.5 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

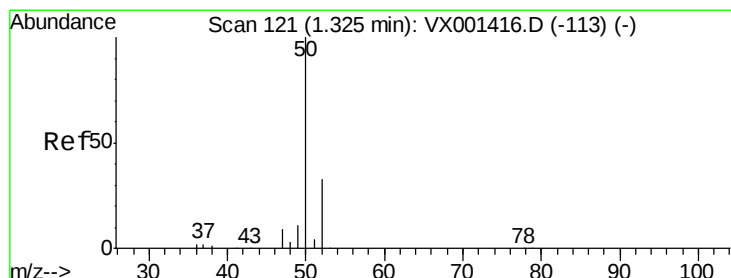
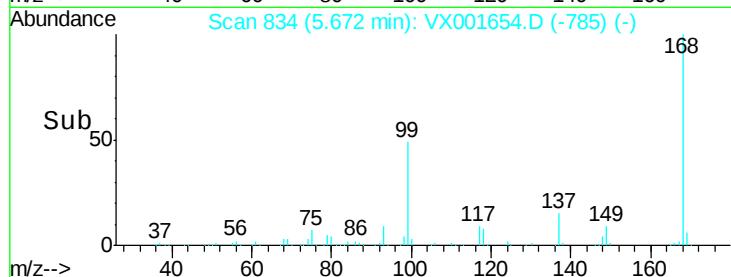
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.34 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001654.D

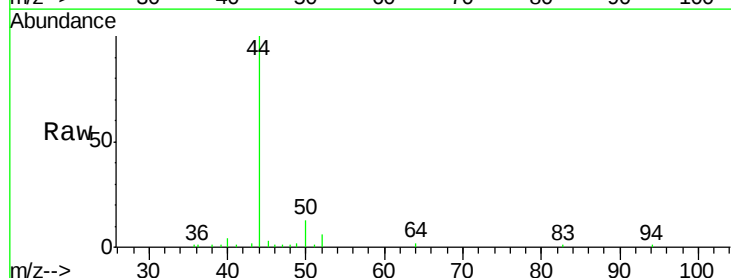
Acq: 11 May 2018 21:55

Tgt Ion: 50 Resp: 1062

Ion Ratio Lower Upper

50 100

52 44.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

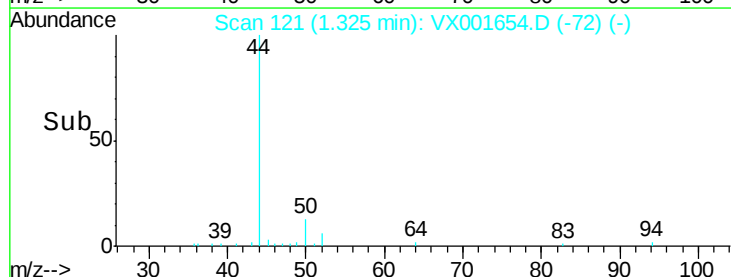
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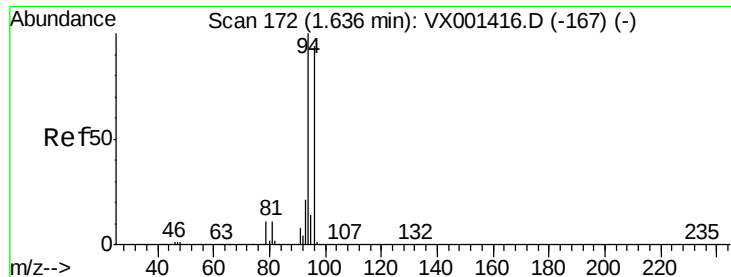
400

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: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampled :

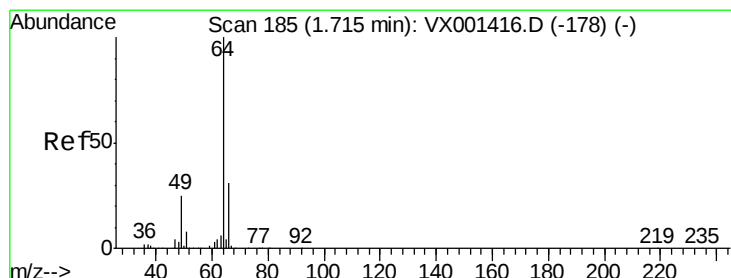
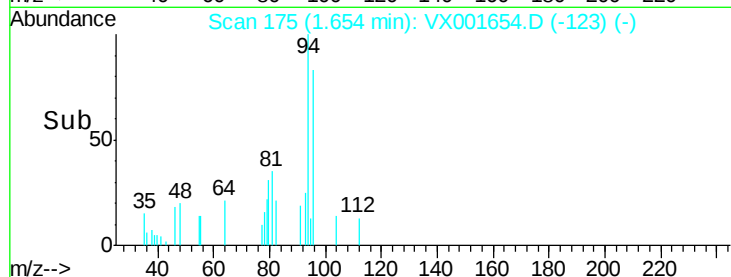
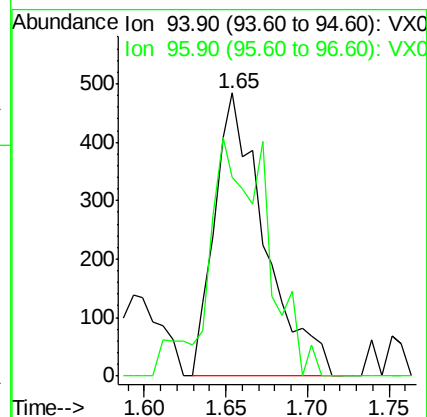
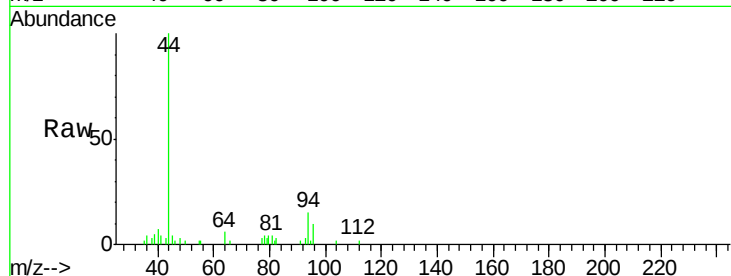
M-16-180502

Tgt Ion: 94 Resp: 1038

Ion Ratio Lower Upper

94 100

96 70.5 75.0 112.6#



#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.03 min

Lab File: VX001654.D

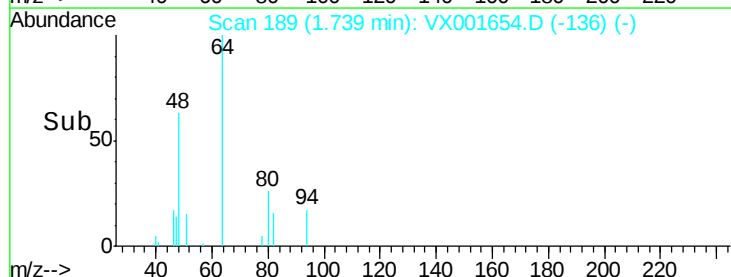
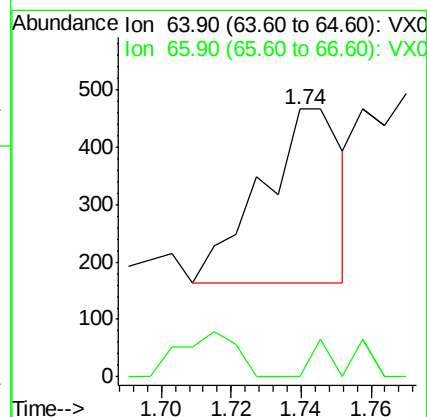
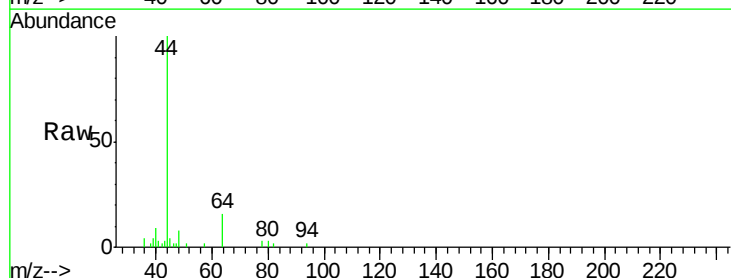
Acq: 11 May 2018 21:55

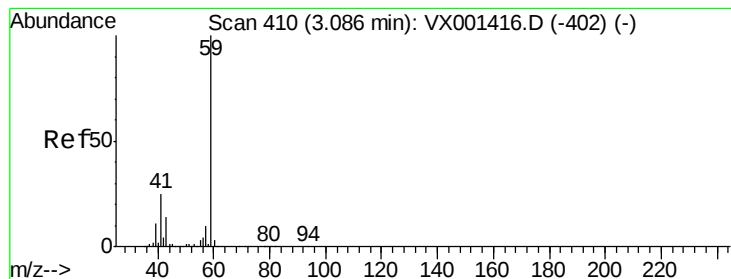
Tgt Ion: 64 Resp: 483

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



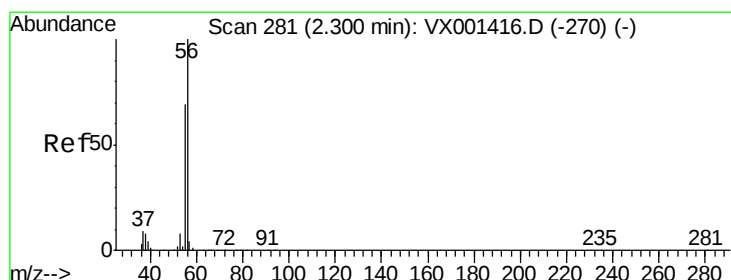
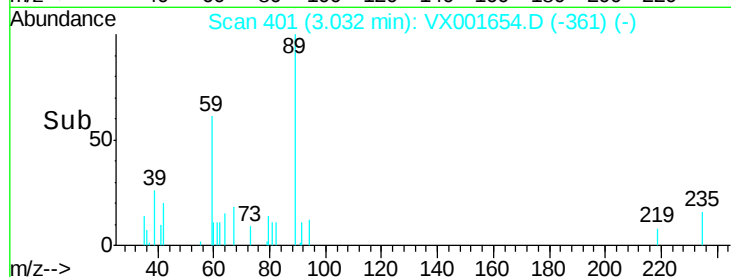
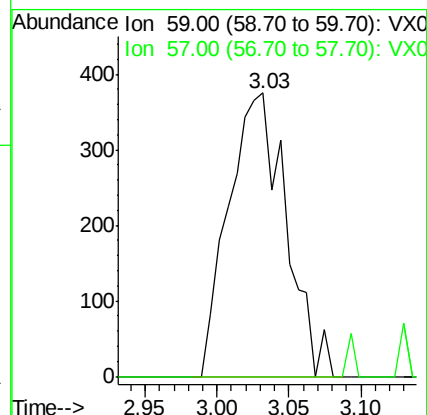
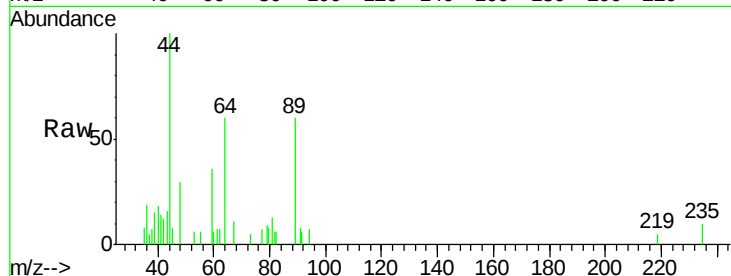


#11

Tert butyl alcohol
 Concen: 1.42 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.05 min
 Lab File: VX001654.D
 Acq: 11 May 2018 21:55

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-180502

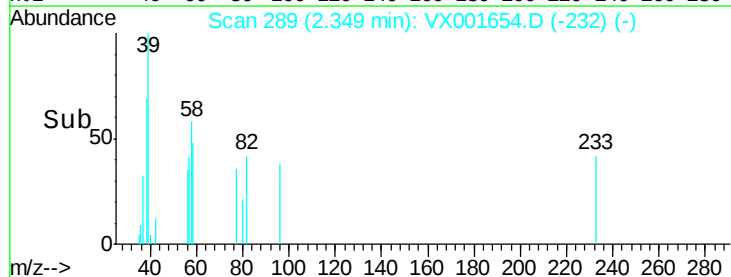
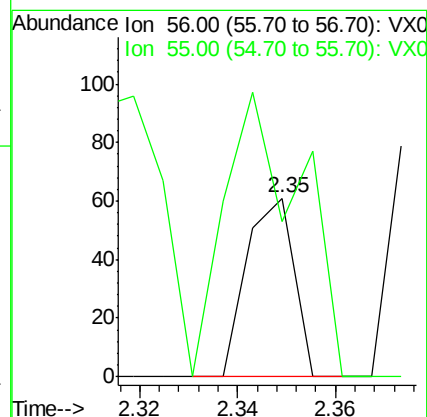
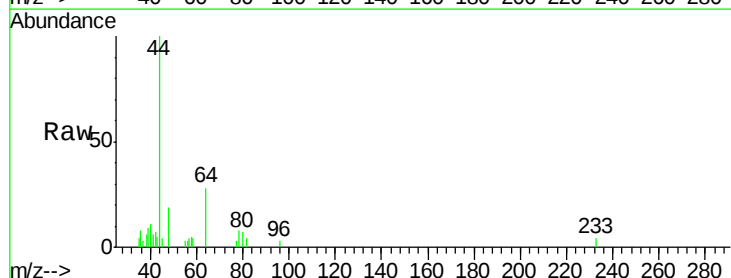
Tgt Ion: 59 Resp: 1037
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

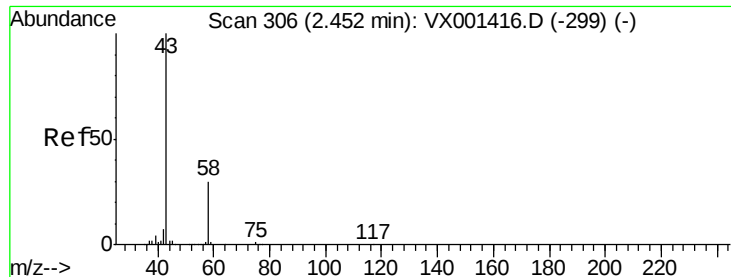


#13

Acrolein
 Concen: Below Cal
 RT: 2.35 min Scan# 289
 Delta R.T. 0.05 min
 Lab File: VX001654.D
 Acq: 11 May 2018 21:55

Tgt Ion: 56 Resp: 41
 Ion Ratio Lower Upper
 56 100
 55 256.1 54.5 81.7#





#16

Acetone

Concen: 0.93 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampleId :

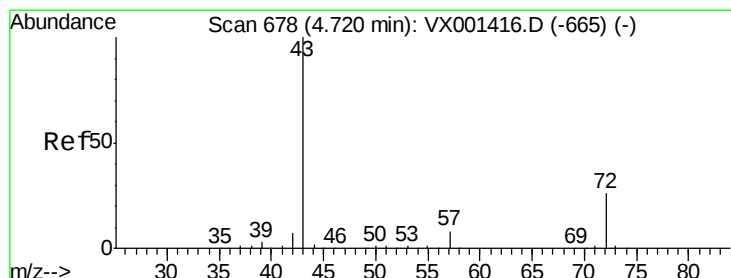
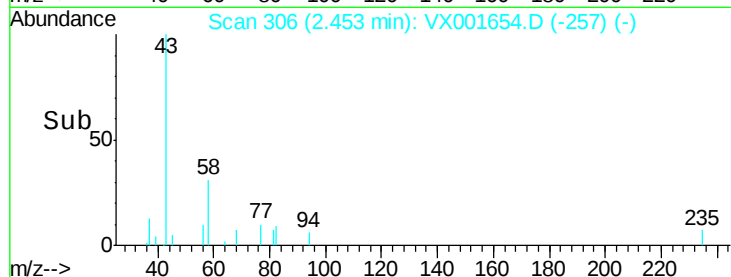
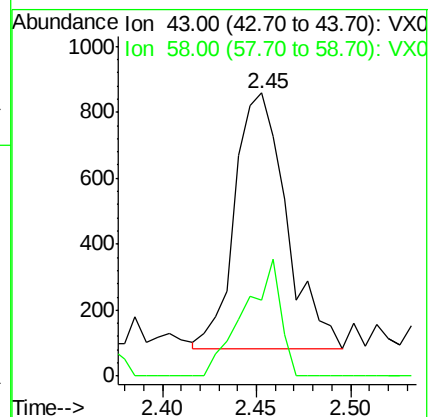
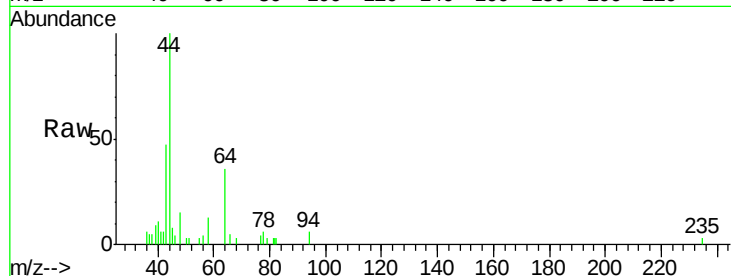
M-16-180502

Tgt Ion: 43 Resp: 1467

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.8



#25

2-Butanone

Concen: 0.87 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001654.D

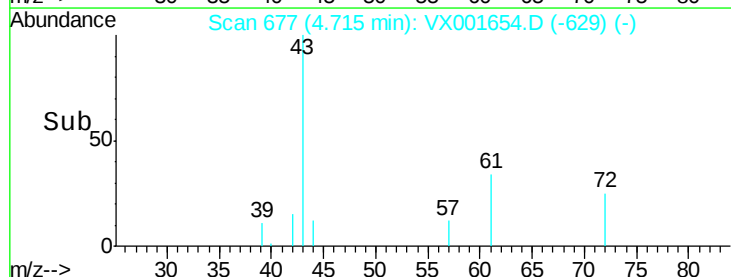
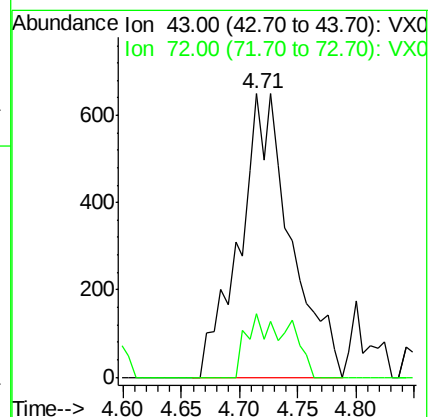
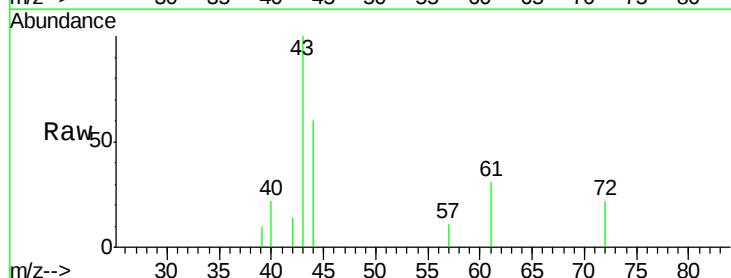
Acq: 11 May 2018 21:55

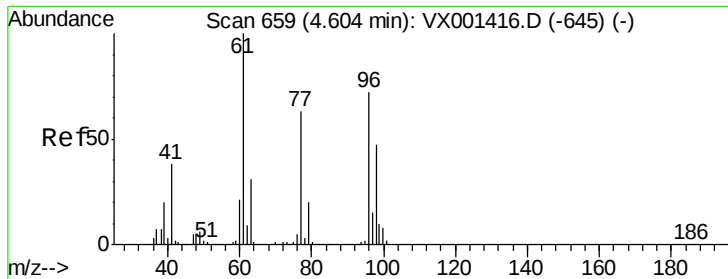
Tgt Ion: 43 Resp: 1991

Ion Ratio Lower Upper

43 100

72 22.5 20.7 31.1





#27

cis-1,2-Dichloroethene

Concen: 3.67 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampleId :

M-16-180502

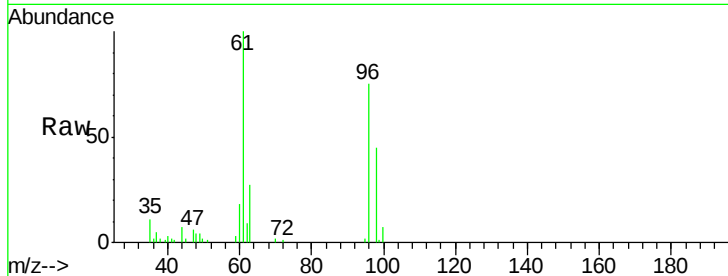
Tgt Ion: 96 Resp: 11673

Ion Ratio Lower Upper

96 100

61 141.2 0.0 301.6

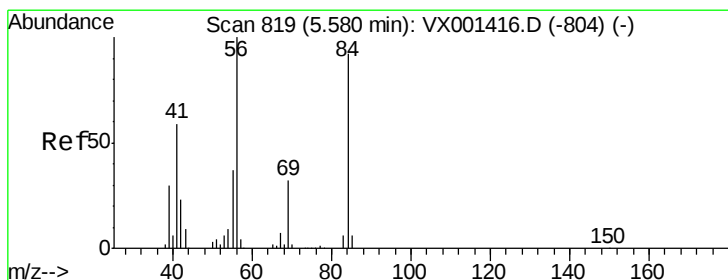
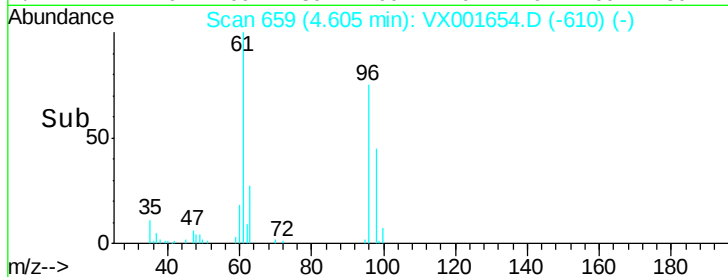
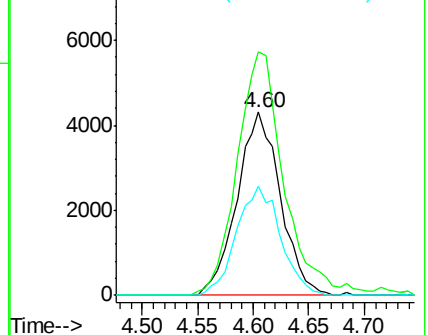
98 60.4 0.0 131.6



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: 0.95 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

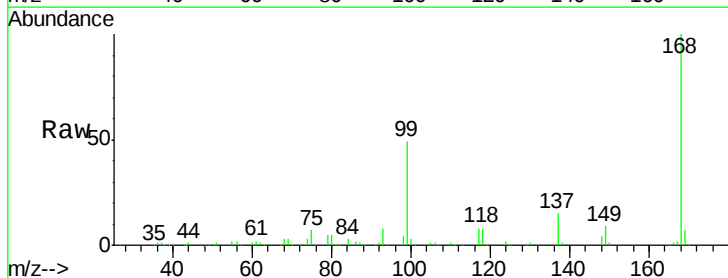
Tgt Ion: 56 Resp: 4263

Ion Ratio Lower Upper

56 100

69 143.9 25.4 38.0#

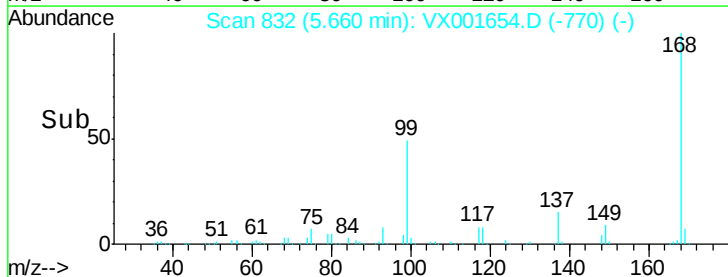
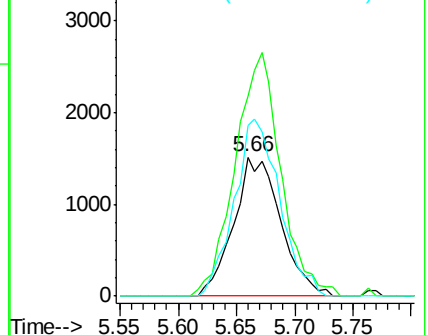
84 122.4 73.8 110.8#

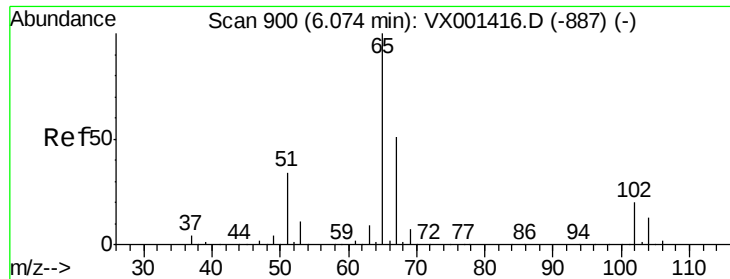


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

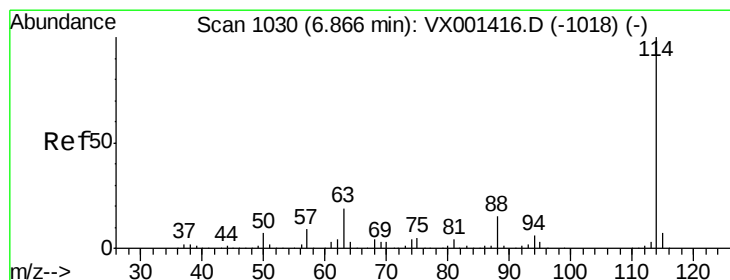
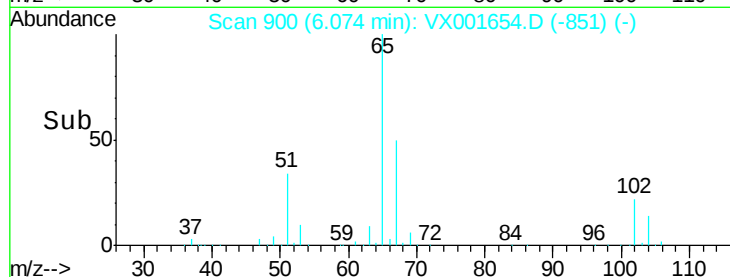
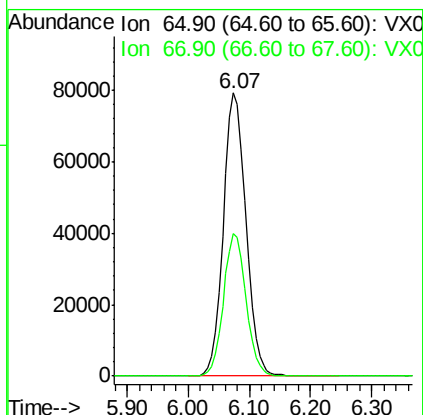
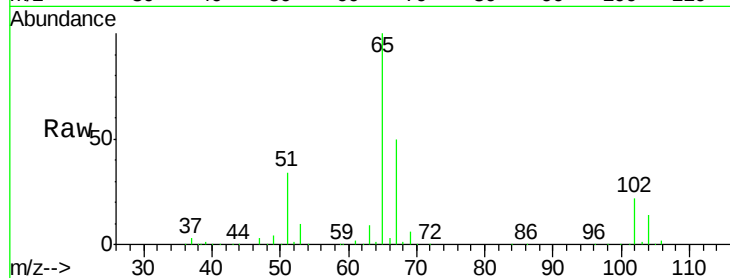




#33
 1,2-Dichloroethane-d4
 Concen: 58.73 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001654.D
 Acq: 11 May 2018 21:55

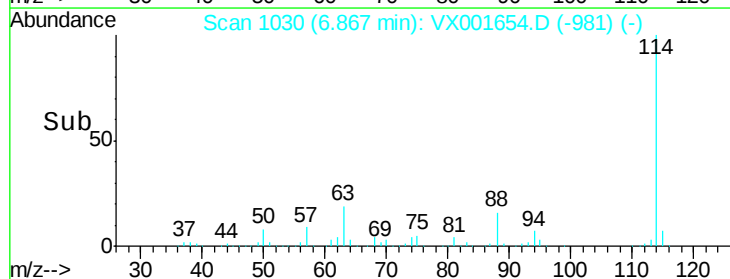
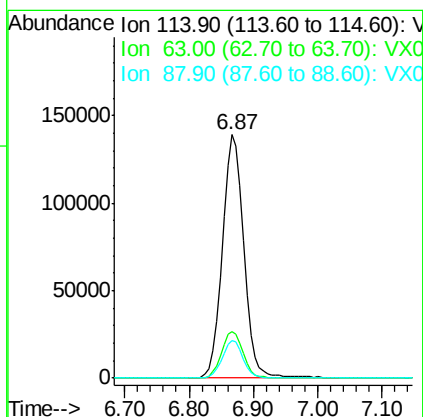
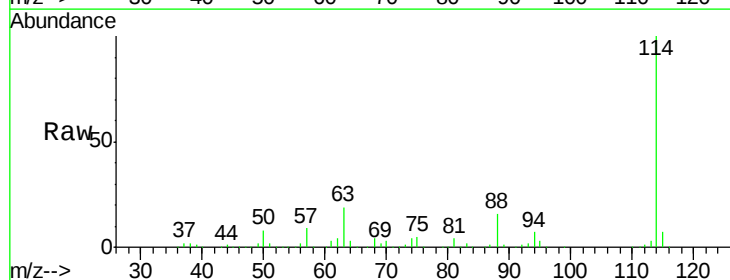
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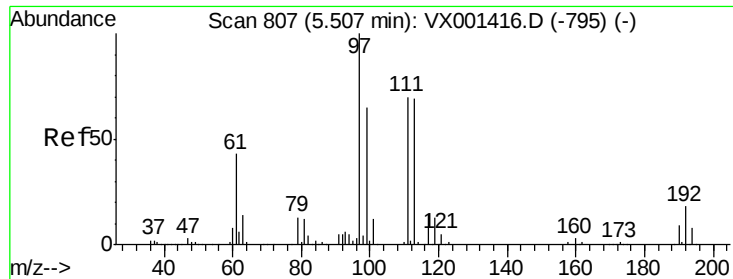
Tgt Ion: 65 Resp: 203955
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001654.D
 Acq: 11 May 2018 21:55

Tgt Ion: 114 Resp: 328310
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.6 0.0 30.8

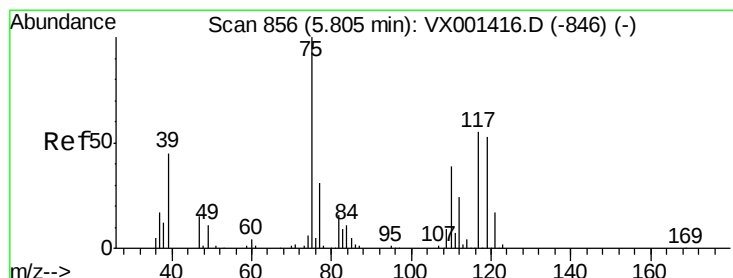
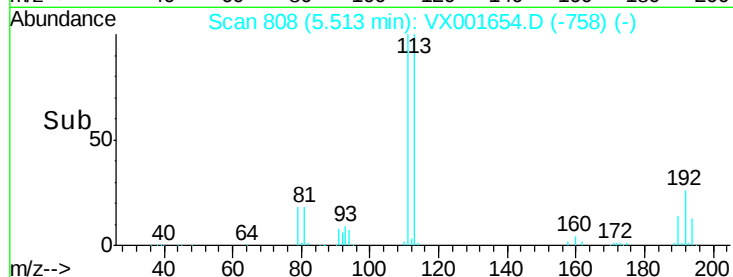
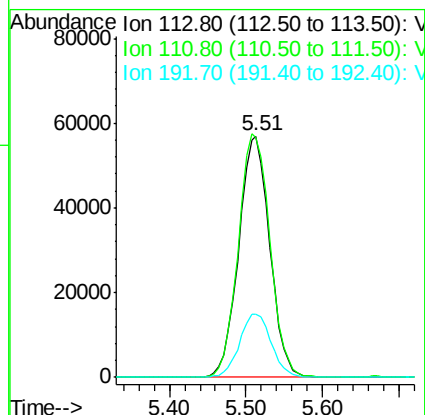
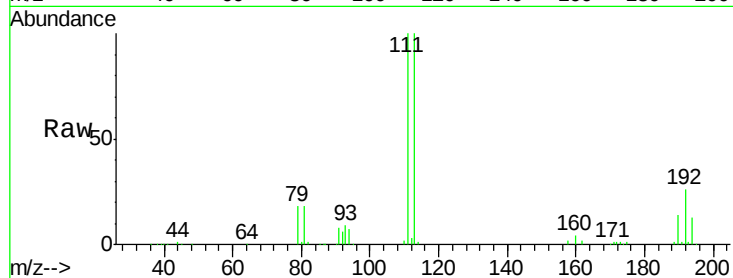




#35
 Dibromofluoromethane
 Concen: 54.71 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001654.D
 Acq: 11 May 2018 21:55

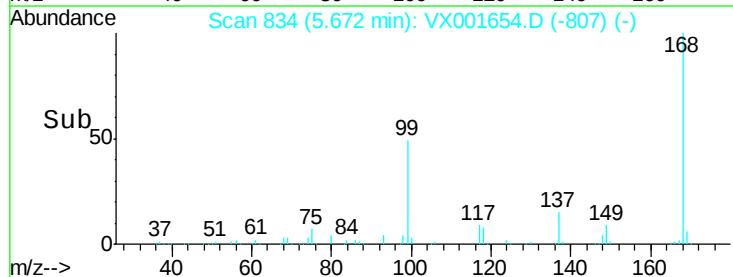
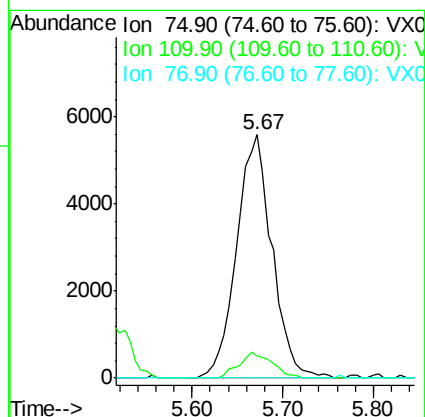
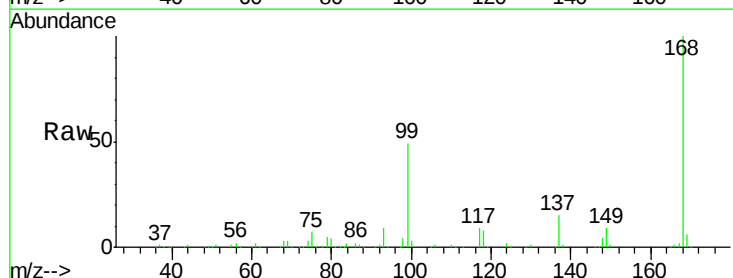
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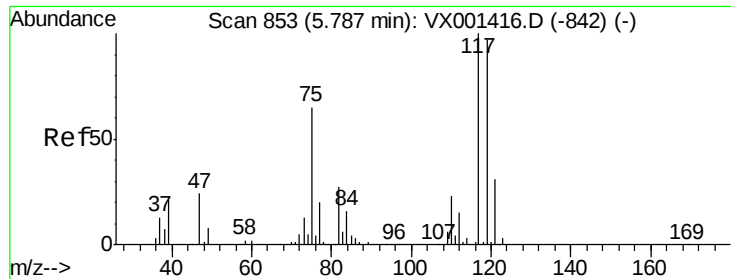
Tgt Ion:113 Resp: 159777
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.2
 192 26.6 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001654.D
 Acq: 11 May 2018 21:55

Tgt Ion: 75 Resp: 15127
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.9 56.7#
 77 0.0 24.9 37.3#

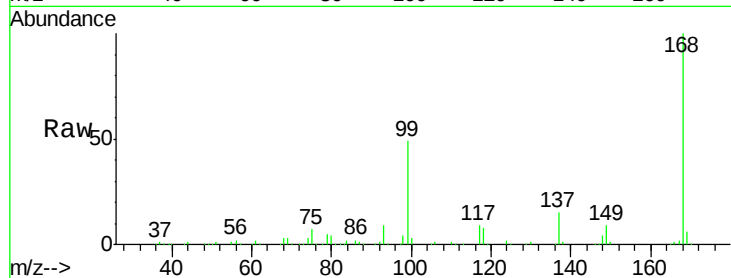




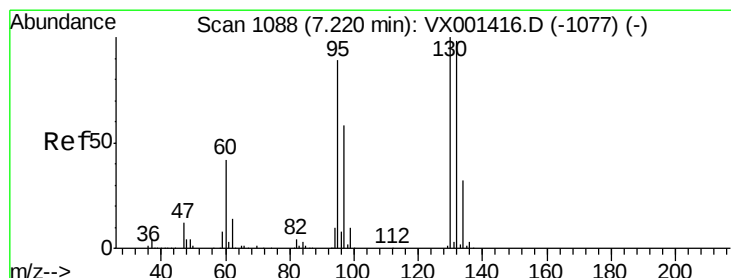
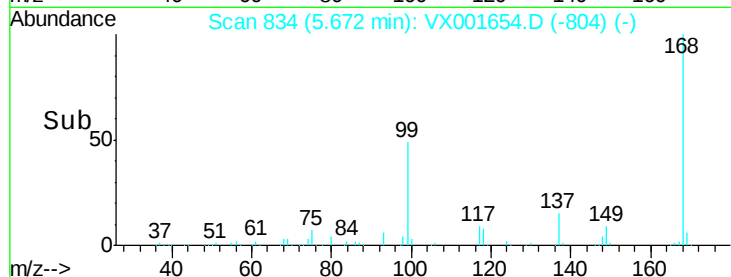
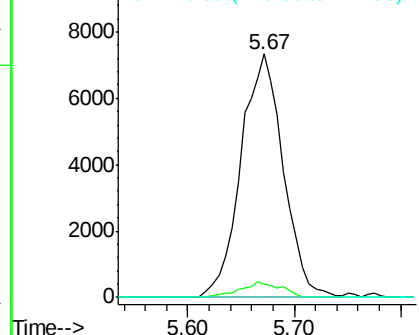
#38
Carbon Tetrachloride
Concen: 4.59 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001654.D
Acq: 11 May 2018 21:55

Instrument :
MSVOA_X
ClientSampleId :
M-16-180502

Tgt Ion:117 Resp: 20440
Ion Ratio Lower Upper
117 100
119 5.3 77.0 115.6#
121 0.0 25.1 37.7#

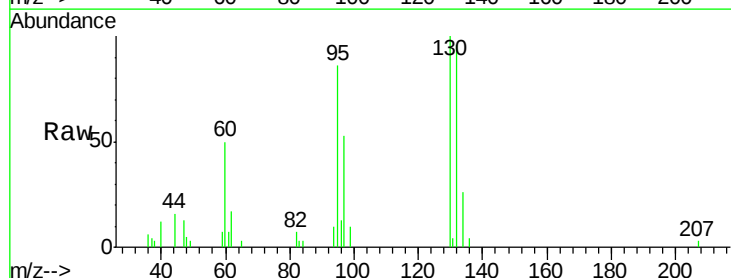


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

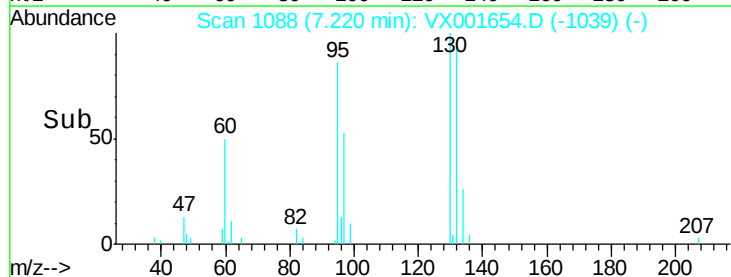
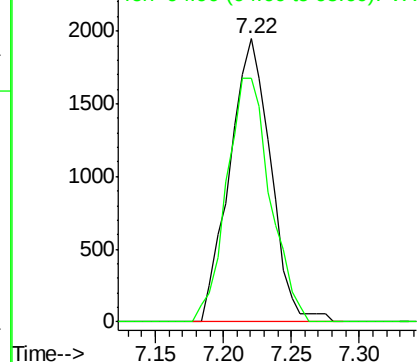


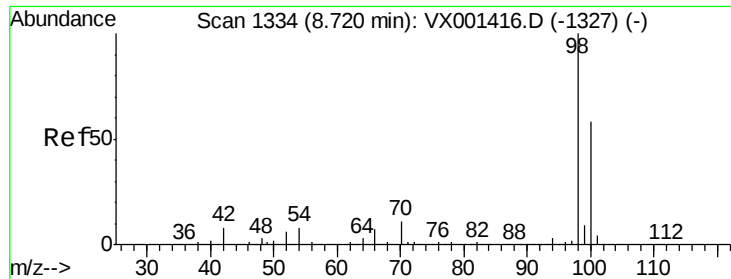
#44
Trichloroethene
Concen: 1.10 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001654.D
Acq: 11 May 2018 21:55

Tgt Ion:130 Resp: 4091
Ion Ratio Lower Upper
130 100
95 86.1 0.0 178.4



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





#50

Toluene-d8

Concen: 52.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampleId :

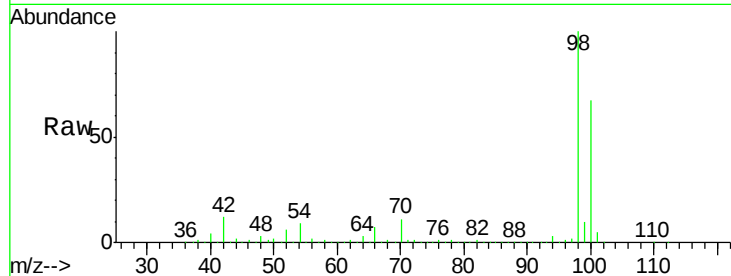
M-16-180502

Tgt Ion: 98 Resp: 558101

Ion Ratio Lower Upper

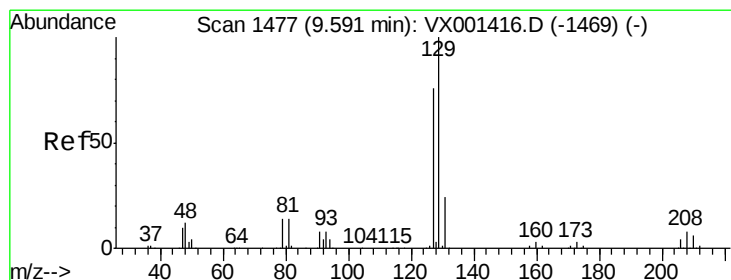
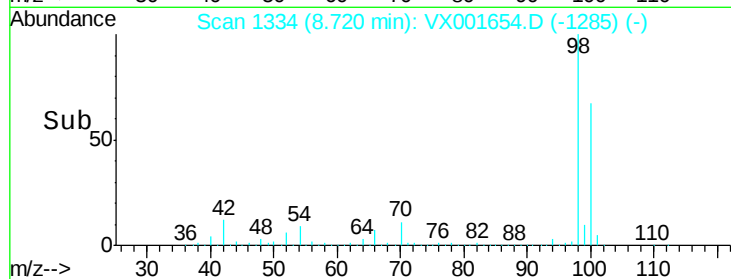
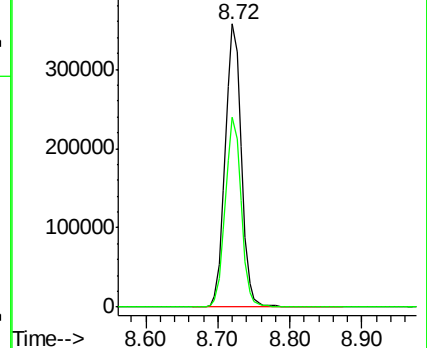
98 100

100 66.3 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 8.69 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001654.D

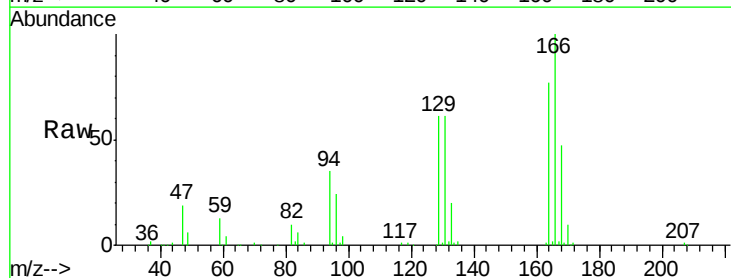
Acq: 11 May 2018 21:55

Tgt Ion: 129 Resp: 28600

Ion Ratio Lower Upper

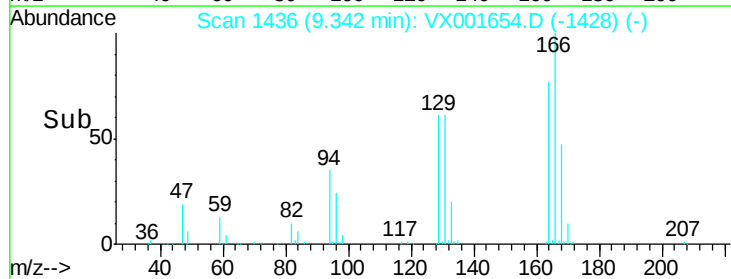
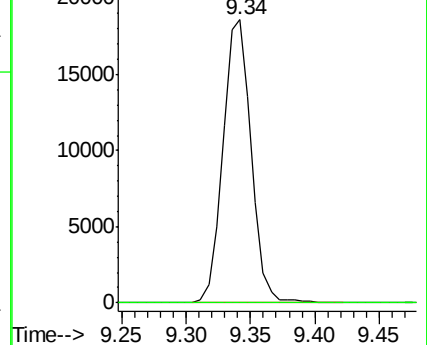
129 100

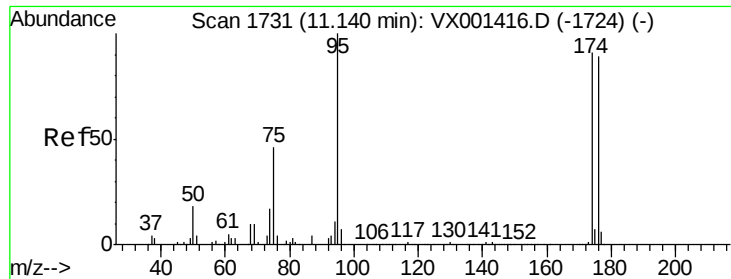
127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 43.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampleId :

M-16-180502

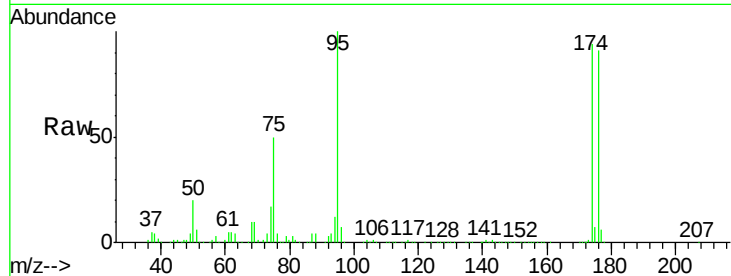
Tgt Ion: 95 Resp: 178139

Ion Ratio Lower Upper

95 100

174 101.7 0.0 202.0

176 98.5 0.0 197.4

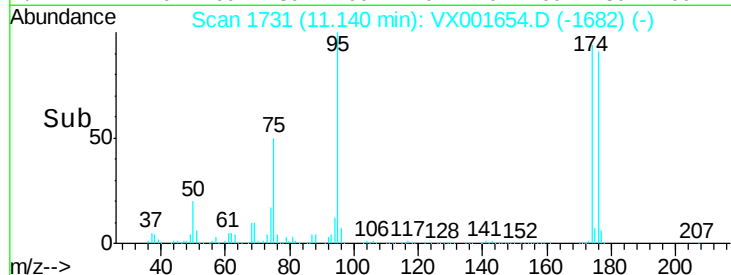


Abundance Ion 94.90 (94.60 to 95.60): VX001416.D (-1724) (-)

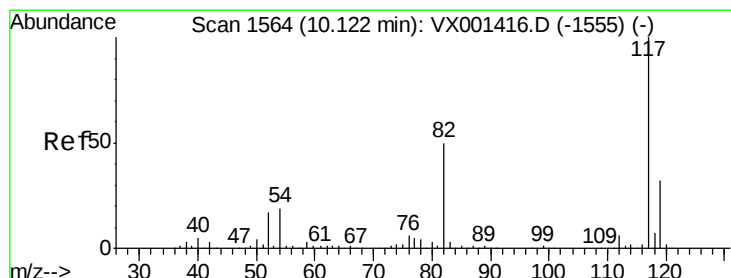
Ion 173.80 (173.50 to 174.50): VX001416.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001416.D (-1724) (-)

11.14



Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

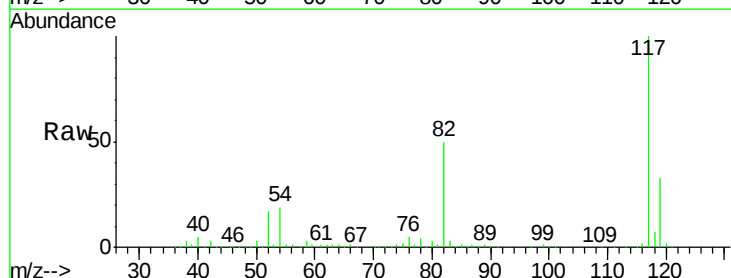
Tgt Ion: 117 Resp: 284744

Ion Ratio Lower Upper

117 100

82 50.4 40.0 60.0

119 32.8 25.8 38.8

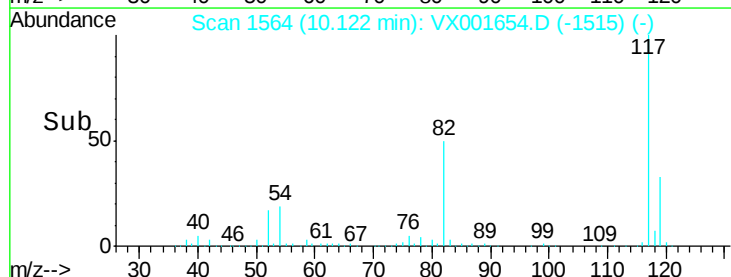


Abundance Ion 116.90 (116.60 to 117.60): VX001416.D (-1555) (-)

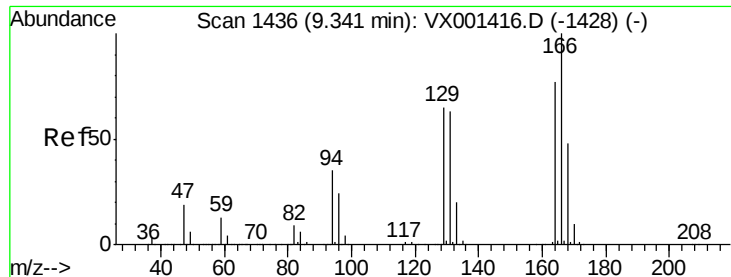
Ion 82.00 (81.70 to 82.70): VX001416.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001416.D (-1555) (-)

10.12



Time-->



#64

Tetrachloroethene

Concen: 8.64 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampleId :

M-16-180502

Tgt Ion:164 Resp: 34311

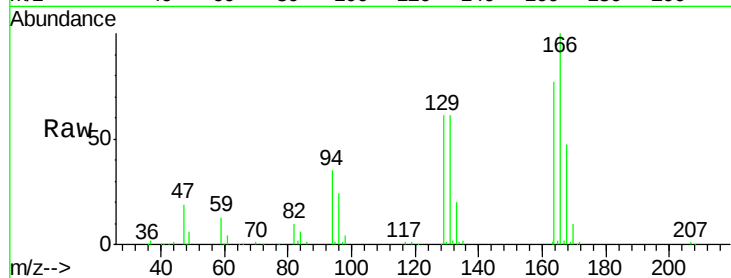
Ion Ratio Lower Upper

164 100

166 130.5 103.5 155.3

129 79.4 66.7 100.1

131 80.2 64.9 97.3

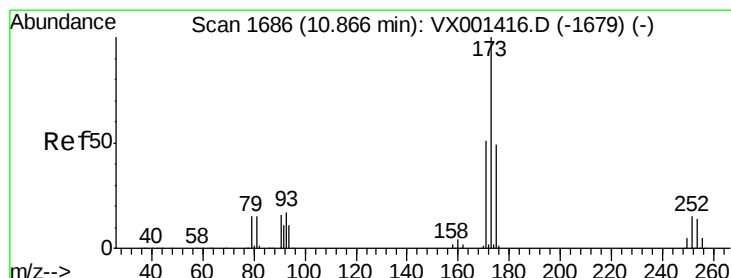
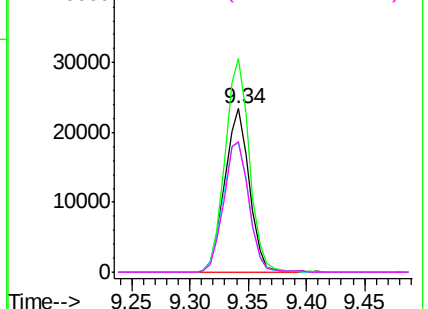
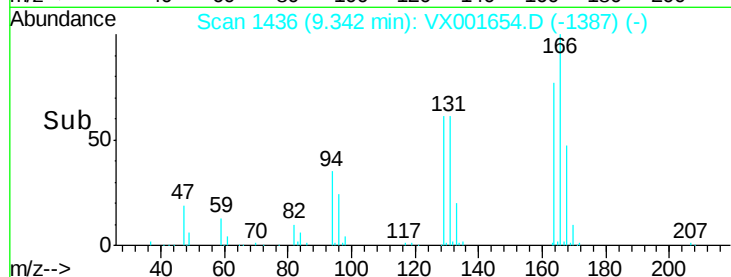


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 3.76 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

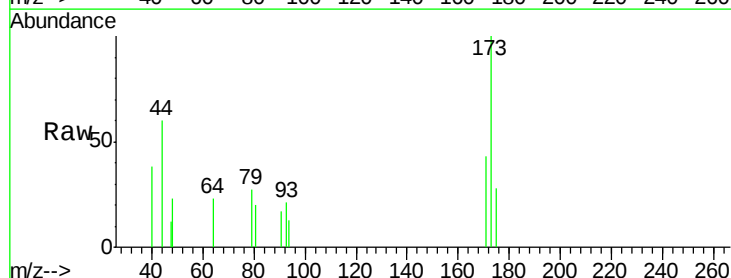
Tgt Ion:173 Resp: 578

Ion Ratio Lower Upper

173 100

175 0.0 24.5 73.5#

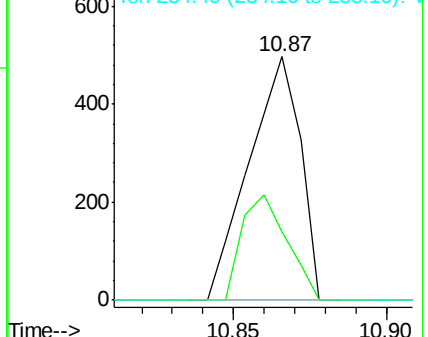
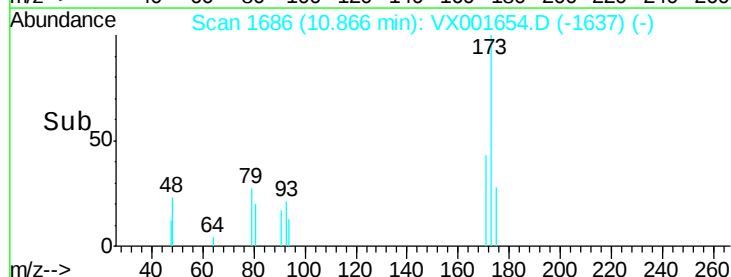
254 0.0 0.2 0.2#

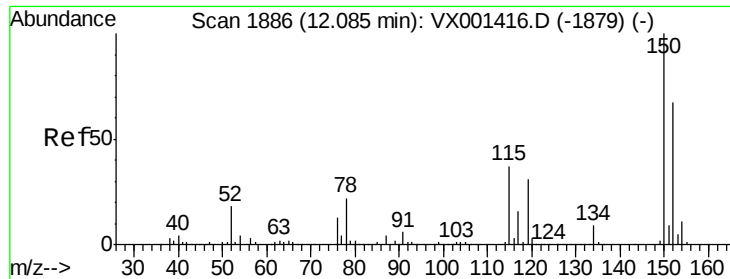


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampled :

M-16-180502

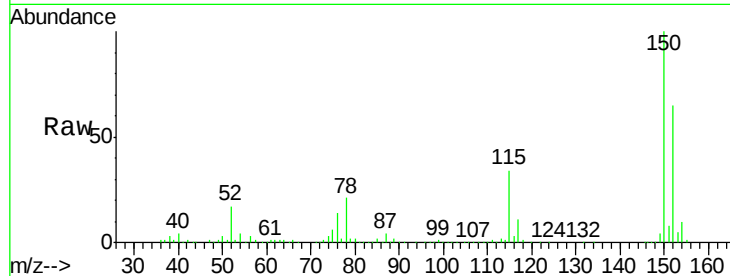
Tgt Ion:152 Resp: 148713

Ion Ratio Lower Upper

152 100

115 52.8 37.7 113.1

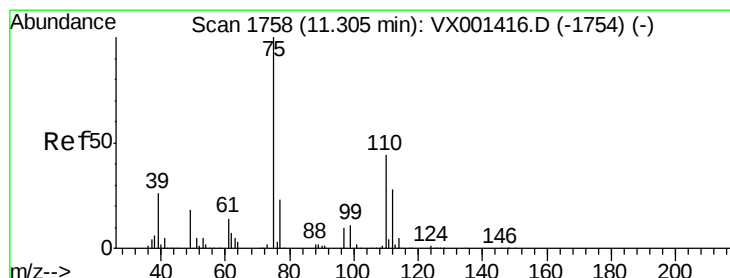
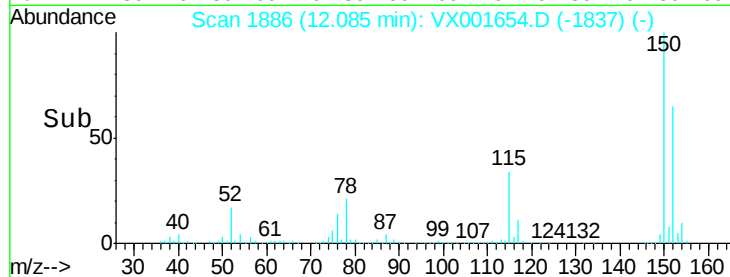
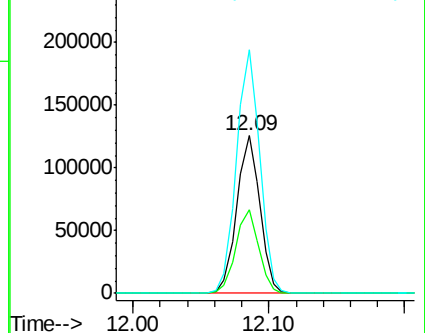
150 155.8 0.0 349.4



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



#76

1,2,3-Trichloropropane

Concen: 29.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001654.D

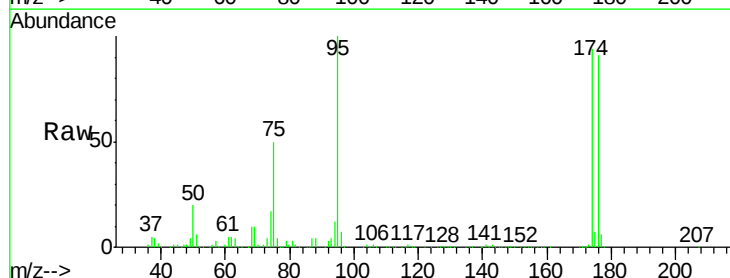
Acq: 11 May 2018 21:55

Tgt Ion: 75 Resp: 89588

Ion Ratio Lower Upper

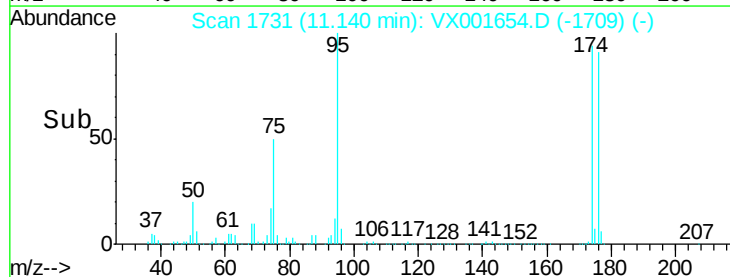
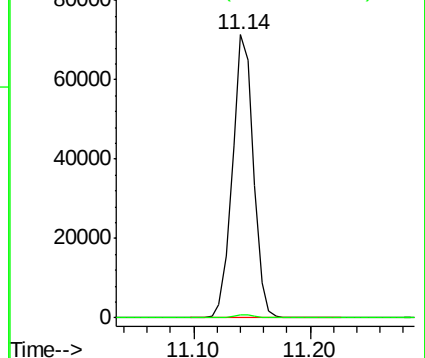
75 100

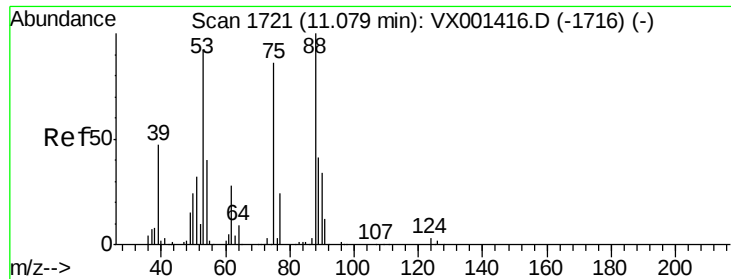
77 1.1 19.6 58.7#



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: 90.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001654.D

Acq: 11 May 2018 21:55

Instrument :

MSVOA_X

ClientSampleId :

M-16-180502

Tgt Ion: 75 Resp: 89588

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#

