

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001648.D
 Acq On : 11 May 2018 19:15
 Operator : JC/MD
 Sample : J2741-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW302-180502

Quant Time: May 12 03:36:52 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	243301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327722	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	153615	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	199386	57.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.04%	
35) Dibromofluoromethane	5.51	113	157858	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	8.72	98	551315	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.14	95	180781	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

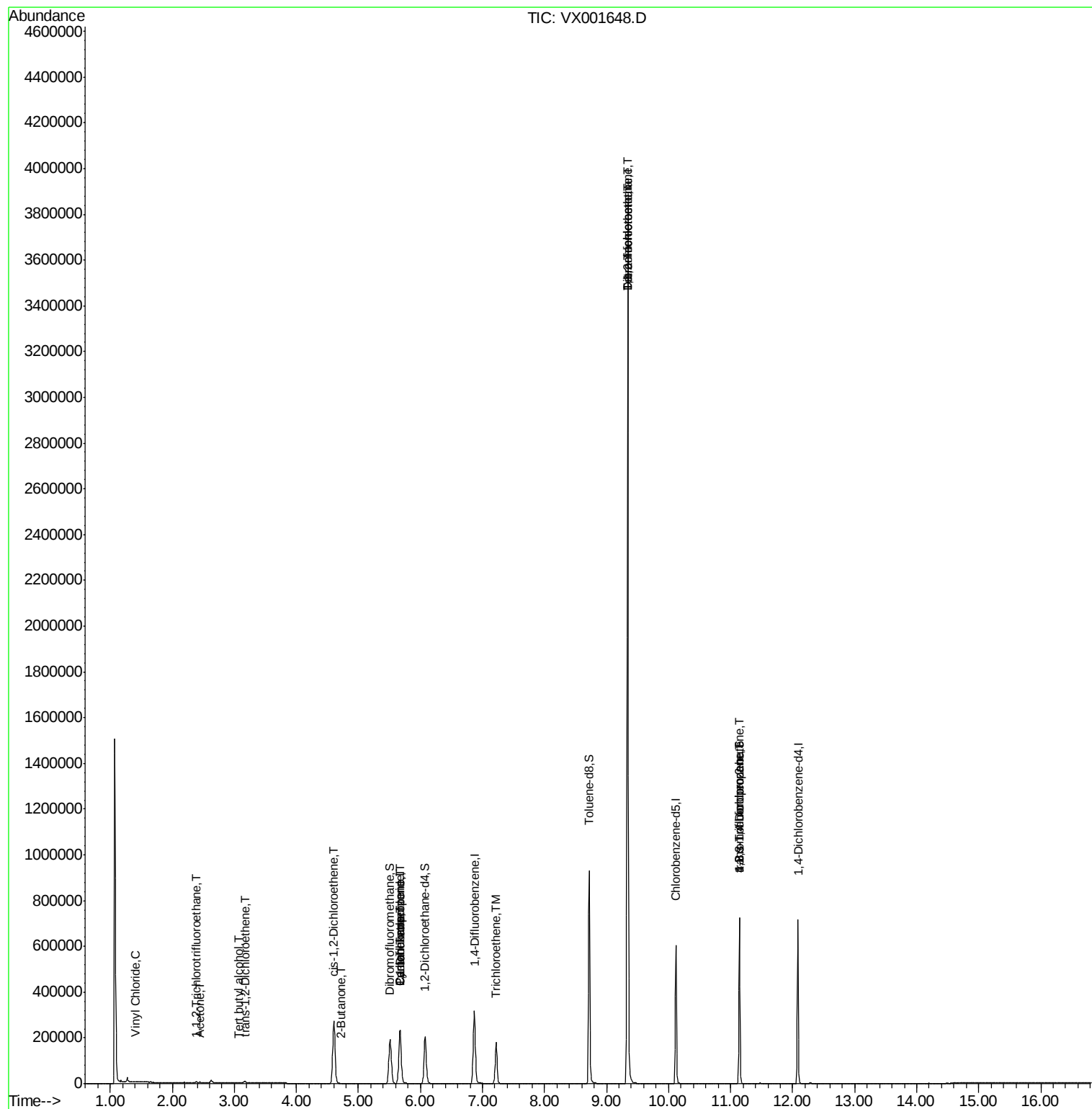
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	926	0.28	ug/l	# 75
5) Bromomethane	1.65	94	1180	Below	Cal	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	648	0.22	ug/l	93
11) Tert butyl alcohol	3.07	59	288	0.39	ug/l	# 62
13) Acrolein	2.29	56	23	Below	Cal	# 16
16) Acetone	2.45	43	1774	1.12	ug/l	# 83
21) trans-1,2-Dichloroethene	3.17	96	2994	1.00	ug/l	# 90
25) 2-Butanone	4.72	43	538	0.23	ug/l	# 49
27) cis-1,2-Dichloroethene	4.60	96	175895	54.97	ug/l	86
31) Cyclohexane	5.67	56	4254	0.95	ug/l	# 2
36) 1,1-Dichloropropene	5.67	75	15305	3.67	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	21017	4.73	ug/l	# 16
44) Trichloroethene	7.22	130	72781	19.56	ug/l	99
55) 1,1,2-Trichloroethane	9.34	97	5850	1.82	ug/l	# 5
60) Dibromochloromethane	9.34	129	670664	204.17	ug/l	# 11
64) Tetrachloroethene	9.34	164	803664	200.54	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	90713	29.12	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	90713	89.16	ug/l	# 7

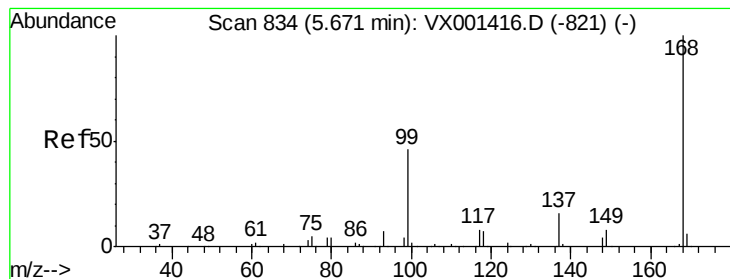
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

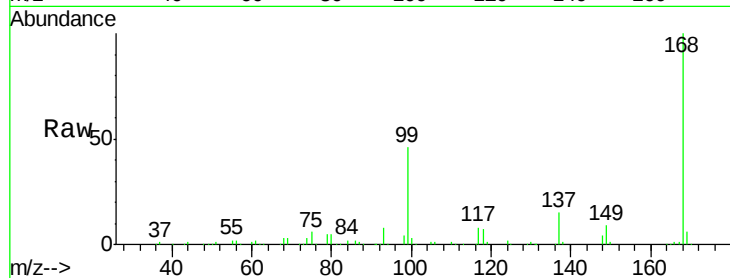
SS037MW302-180502

Tgt Ion:168 Resp: 243301

Ion Ratio Lower Upper

168 100

99 46.0 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

100000

80000

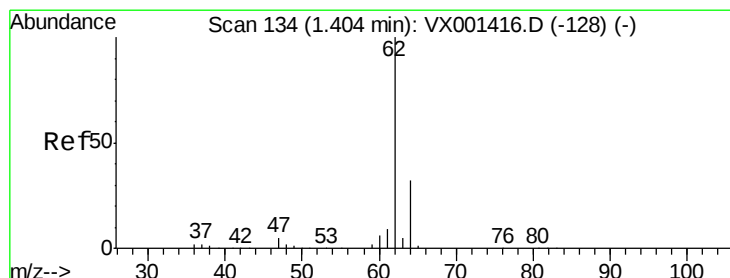
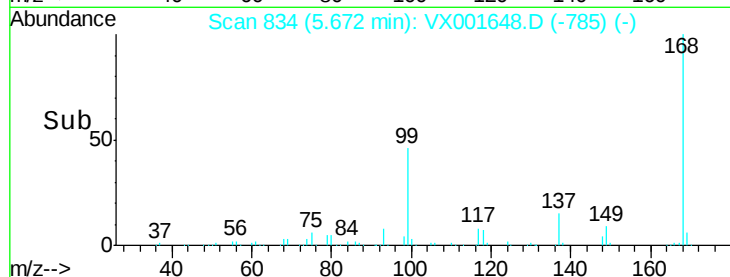
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.28 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001648.D

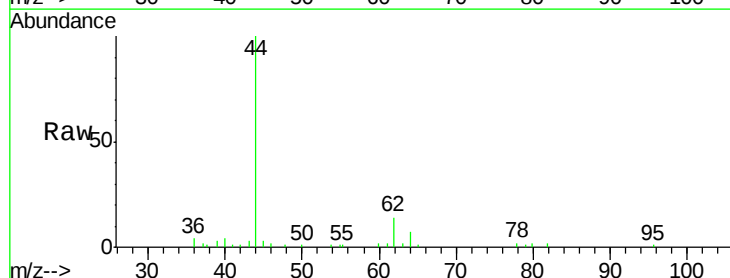
Acq: 11 May 2018 19:15

Tgt Ion: 62 Resp: 926

Ion Ratio Lower Upper

62 100

64 46.2 25.8 38.6#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

1000

800

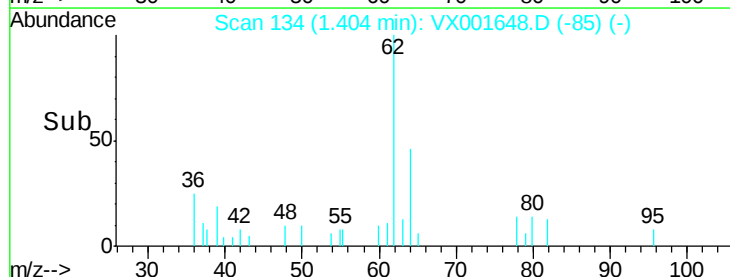
600

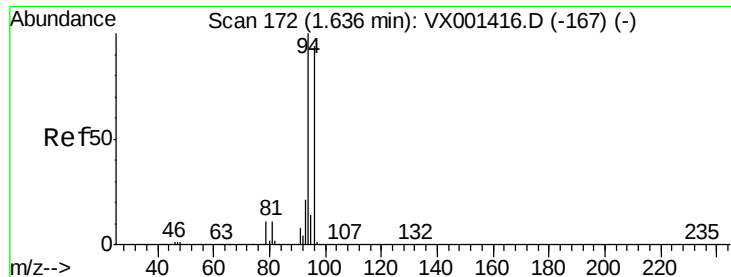
400

200

0

Time--> 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

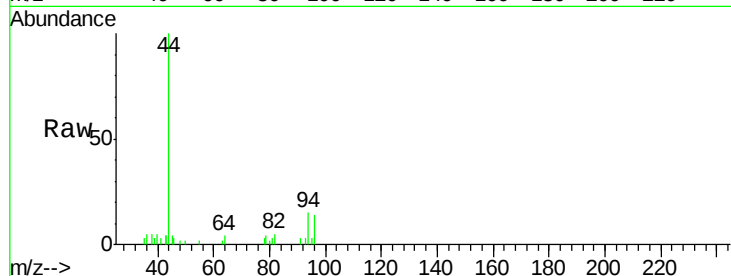
SS037MW302-180502

Tgt Ion: 94 Resp: 1180

Ion Ratio Lower Upper

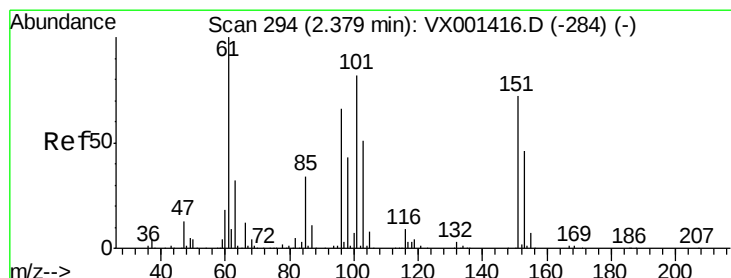
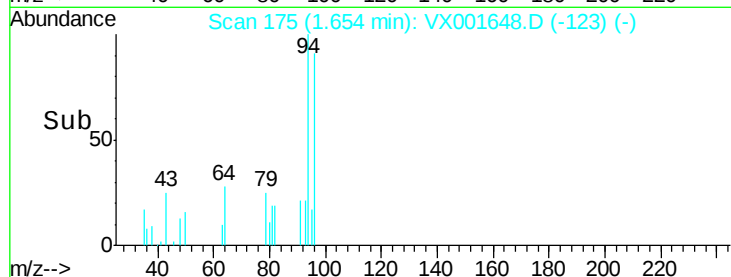
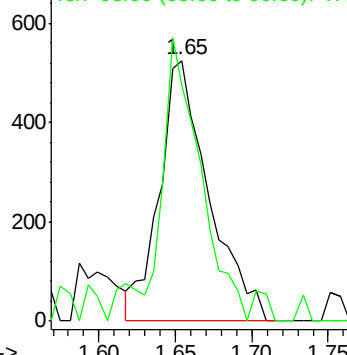
94 100

96 90.7 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.22 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

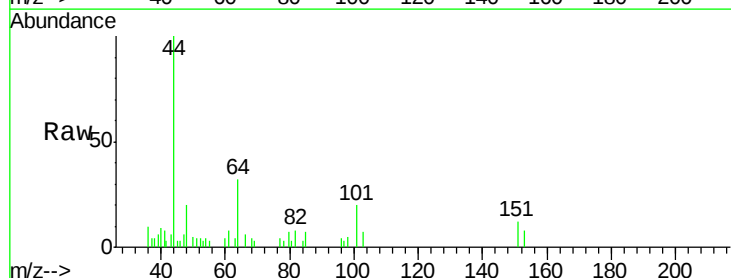
Tgt Ion: 101 Resp: 648

Ion Ratio Lower Upper

101 100

85 48.8 33.7 50.5

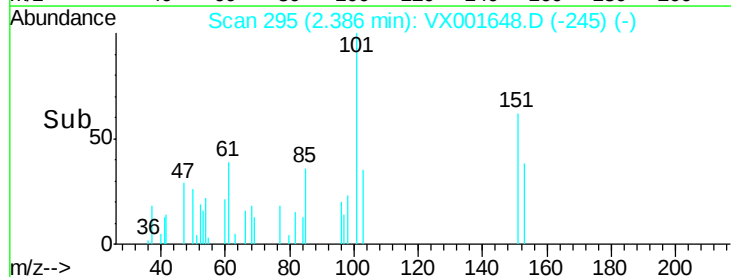
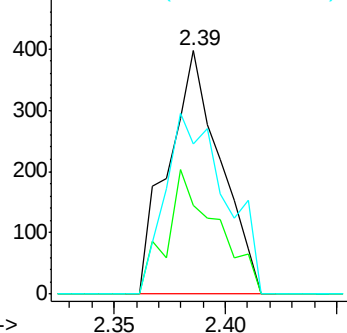
151 84.9 72.3 108.5

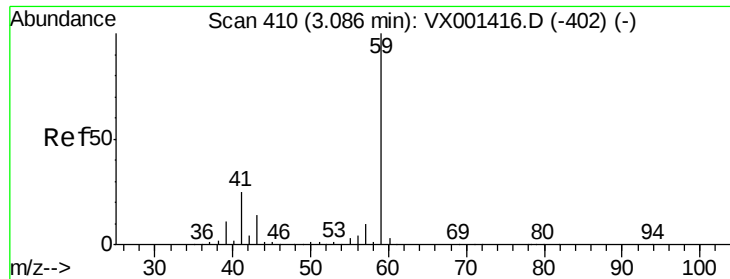


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

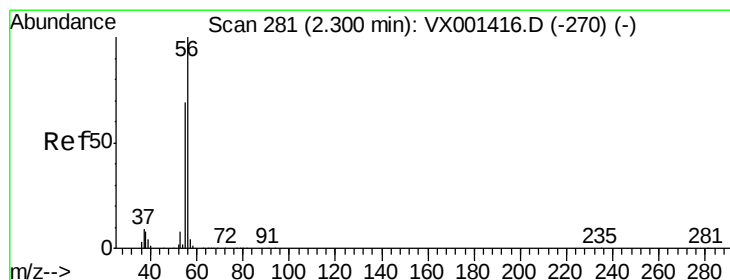
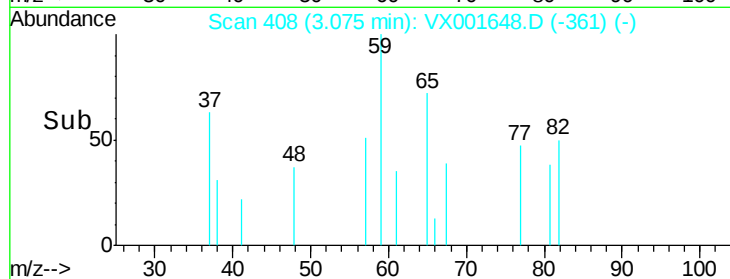
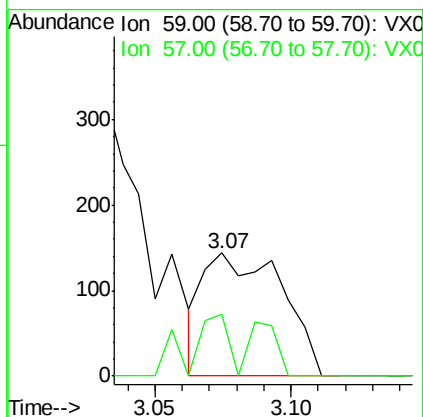
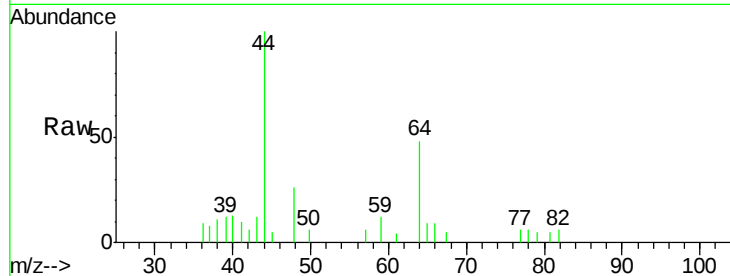




#11
Tert butyl alcohol
Concen: 0.39 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001648.D
Acq: 11 May 2018 19:15

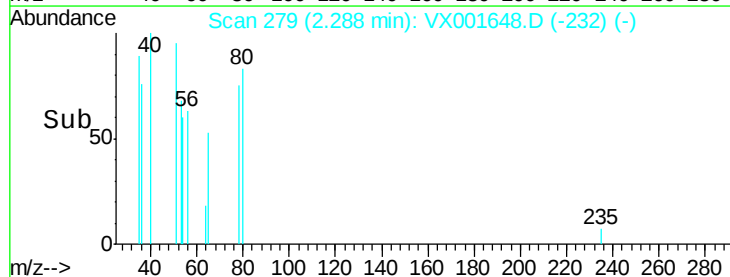
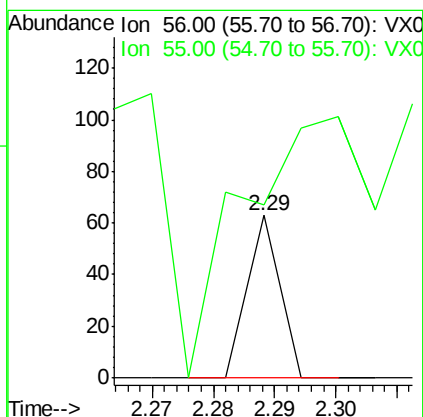
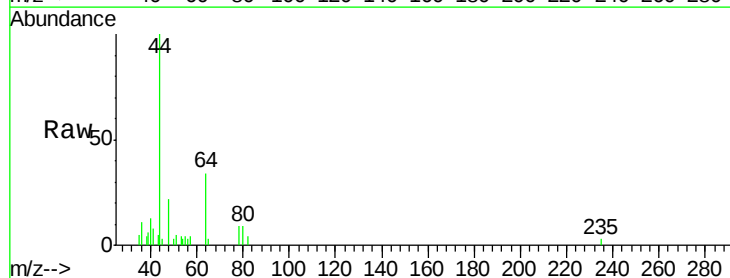
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-180502

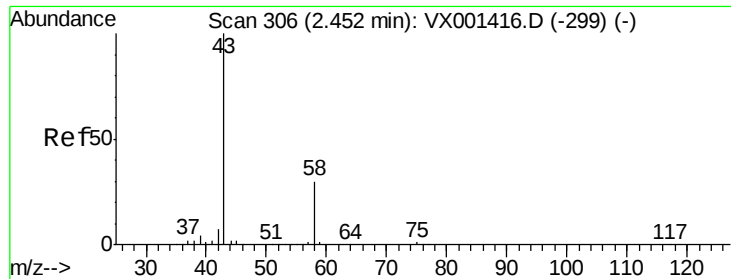
Tgt Ion: 59 Resp: 288
Ion Ratio Lower Upper
59 100
57 24.3 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX001648.D
Acq: 11 May 2018 19:15

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 1.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

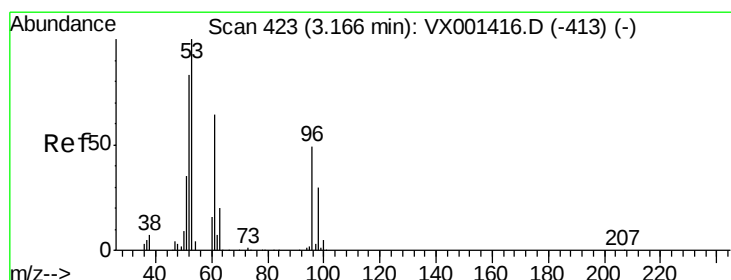
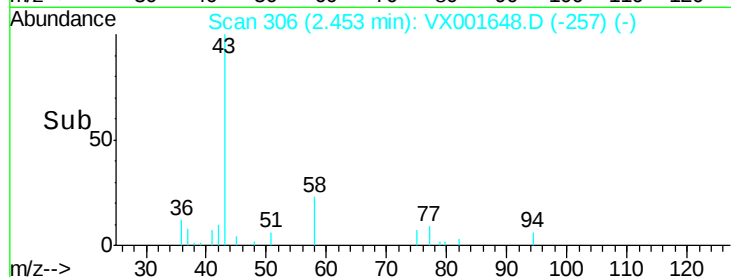
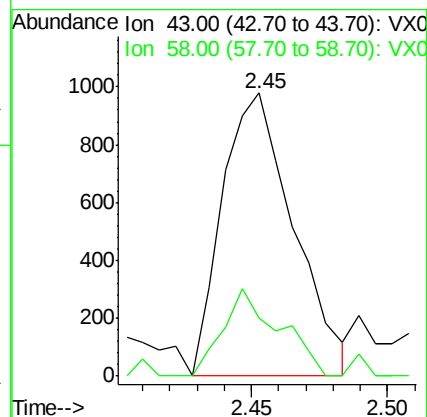
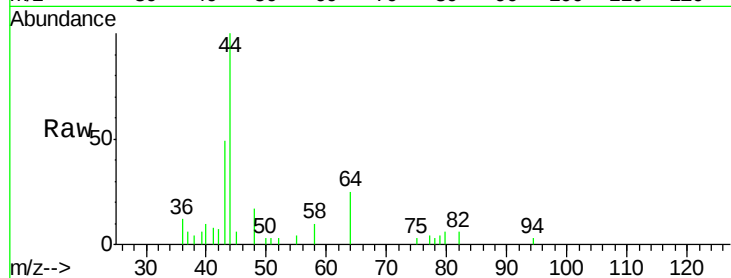
SS037MW302-180502

Tgt Ion: 43 Resp: 1774

Ion Ratio Lower Upper

43 100

58 20.6 23.8 35.8#



#21

trans-1,2-Dichloroethene

Concen: 1.00 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

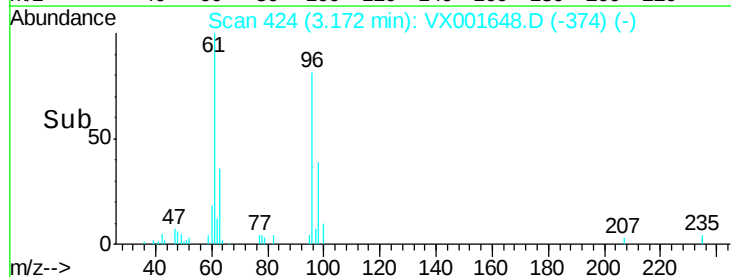
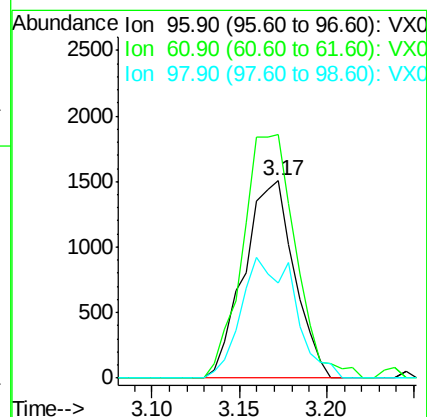
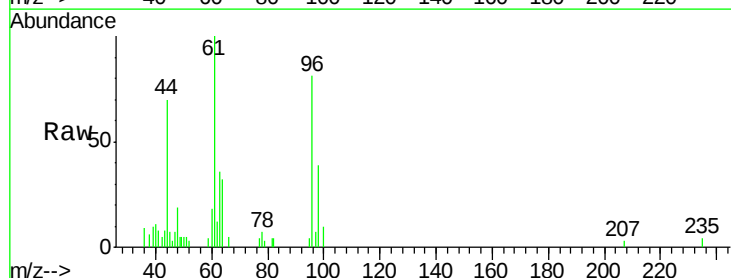
Tgt Ion: 96 Resp: 2994

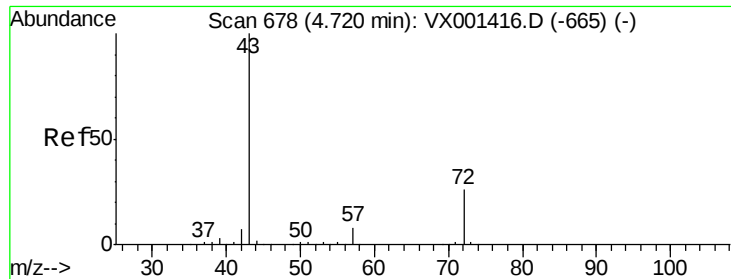
Ion Ratio Lower Upper

96 100

61 123.5 105.0 157.4

98 48.5 49.9 74.9#





#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

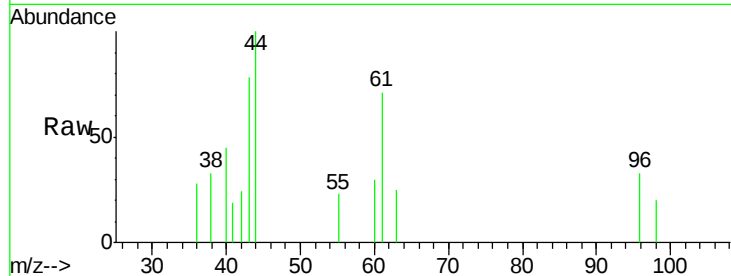
SS037MW302-180502

Tgt Ion: 43 Resp: 538

Ion Ratio Lower Upper

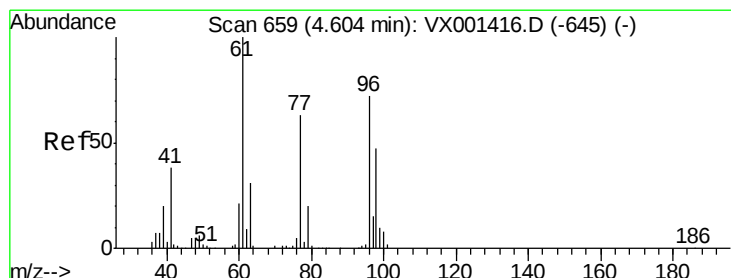
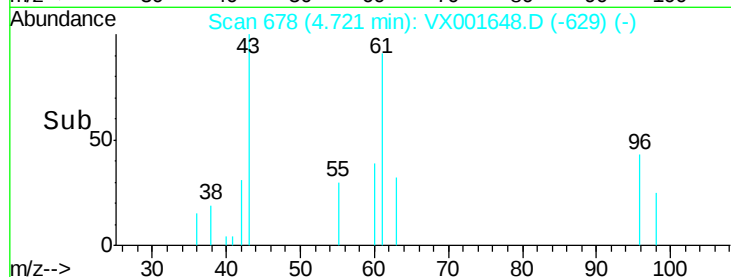
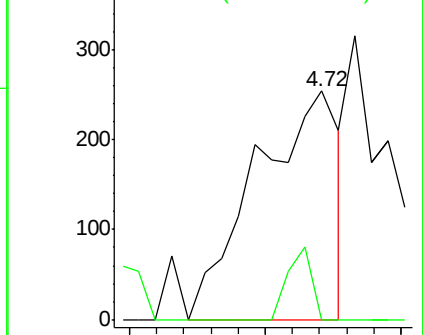
43 100

72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 54.97 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

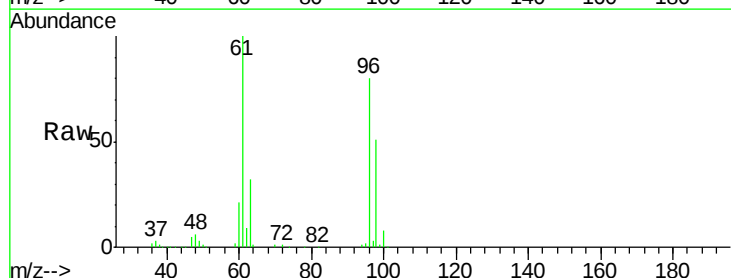
Tgt Ion: 96 Resp: 175895

Ion Ratio Lower Upper

96 100

61 126.7 0.0 301.6

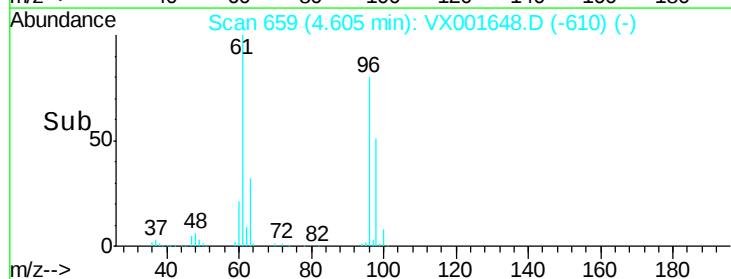
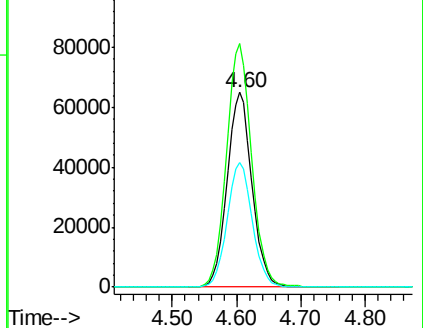
98 64.6 0.0 131.6

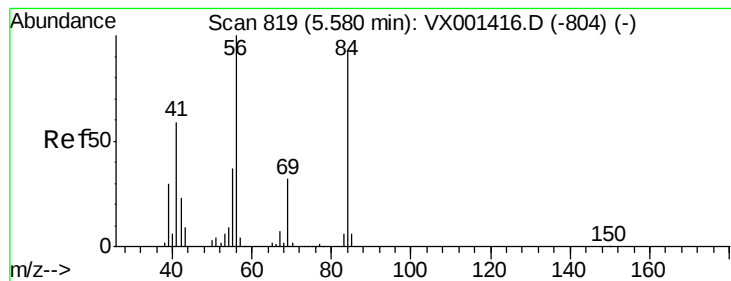


Abundance Ion 95.90 (95.60 to 96.60): VX0

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: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

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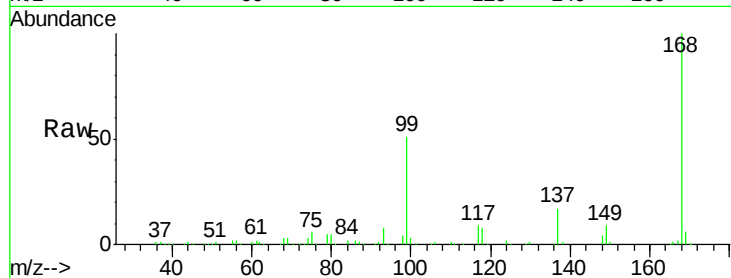
Tgt Ion: 56 Resp: 4254

Ion Ratio Lower Upper

56 100

69 174.4 25.4 38.0#

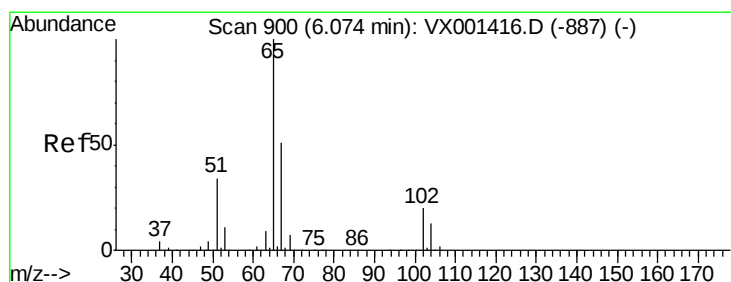
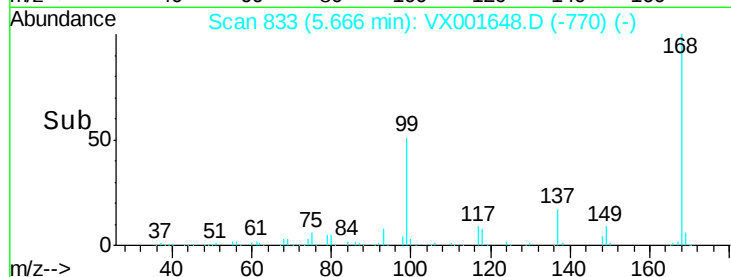
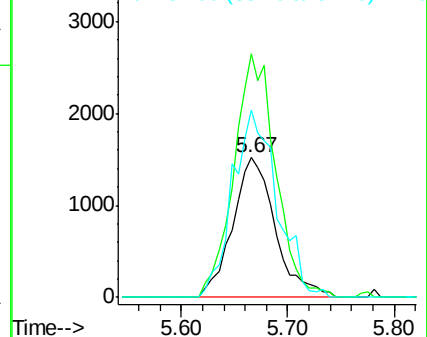
84 134.3 73.8 110.8#



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: 57.02 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001648.D

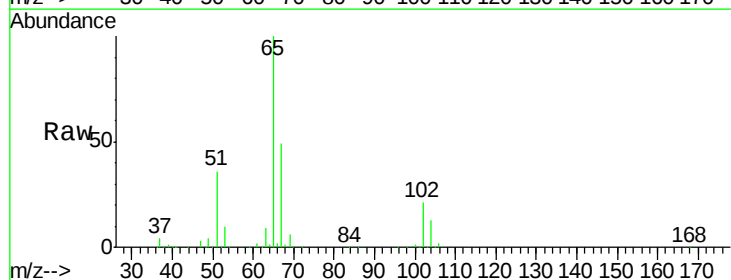
Acq: 11 May 2018 19:15

Tgt Ion: 65 Resp: 199386

Ion Ratio Lower Upper

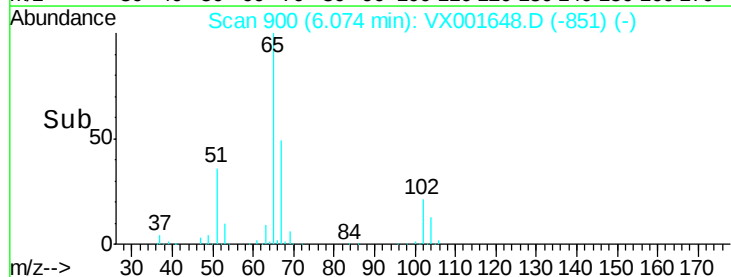
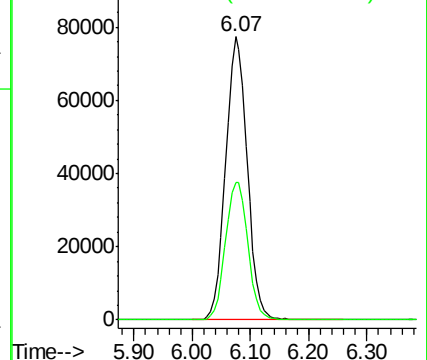
65 100

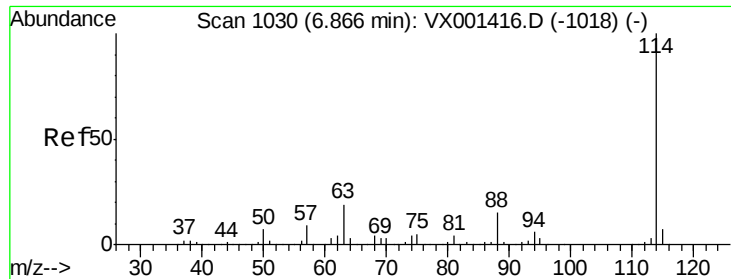
67 50.3 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

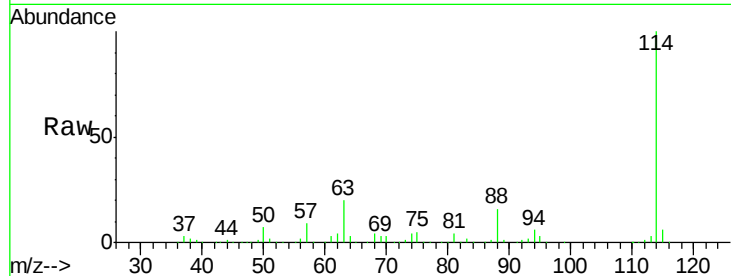




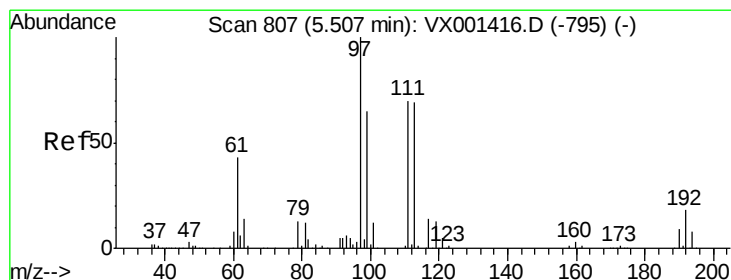
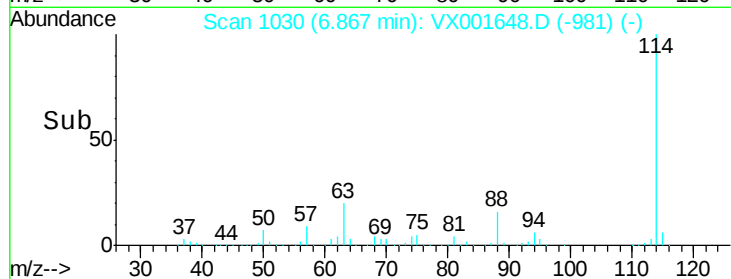
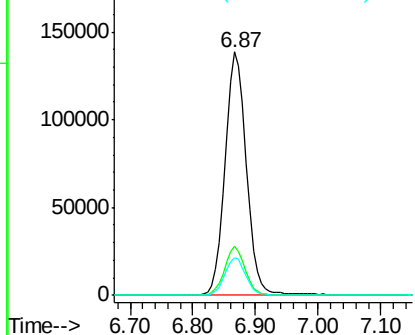
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001648.D
 Acq: 11 May 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW302-180502

Tgt Ion:114 Resp: 327722
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.6
 88 15.6 0.0 30.8

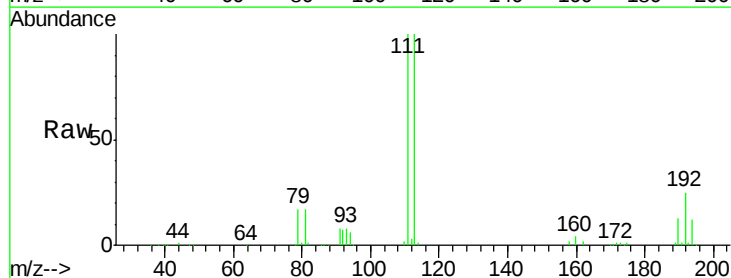


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

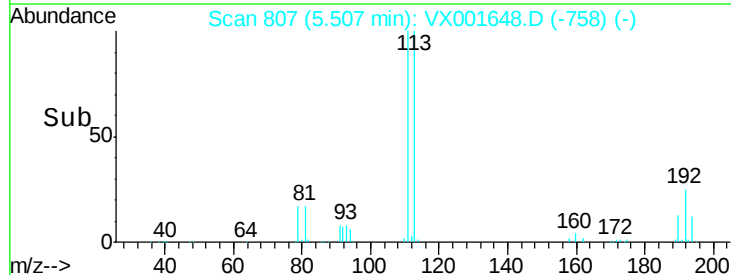
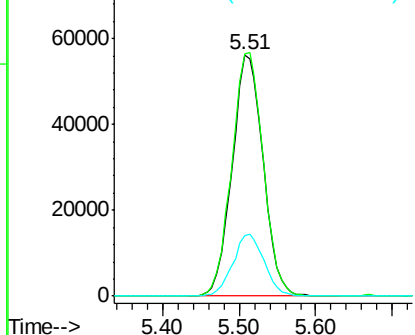


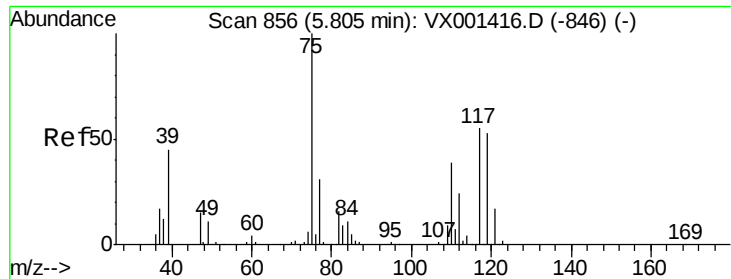
#35
 Dibromofluoromethane
 Concen: 54.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001648.D
 Acq: 11 May 2018 19:15

Tgt Ion:113 Resp: 157858
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.2
 192 25.8 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

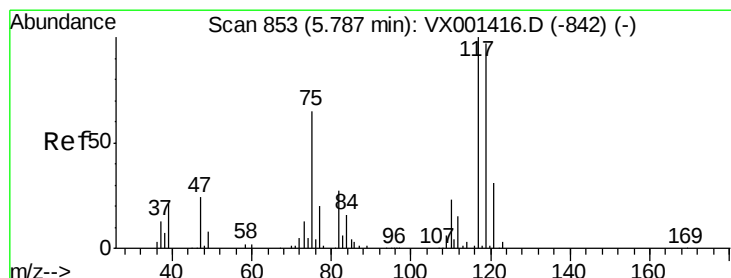
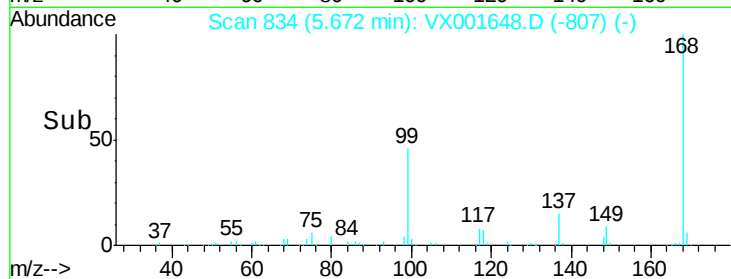
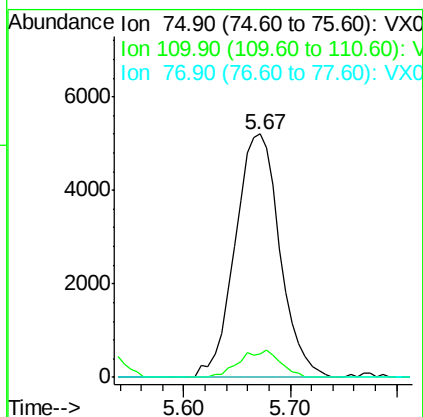
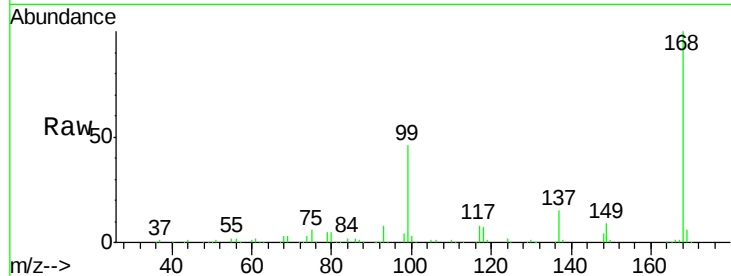




#36
 1,1-Dichloropropene
 Concen: 3.67 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001648.D
 Acq: 11 May 2018 19:15

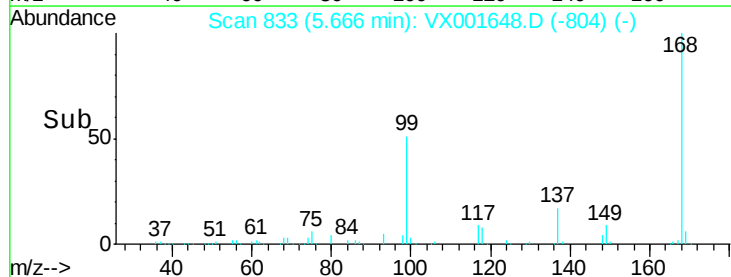
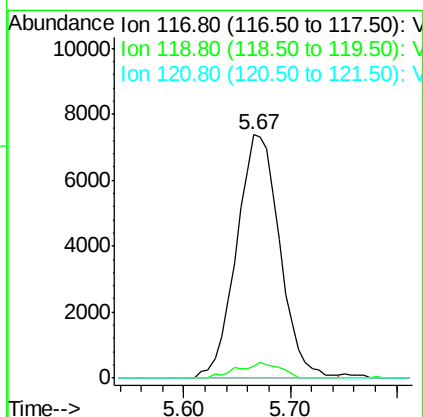
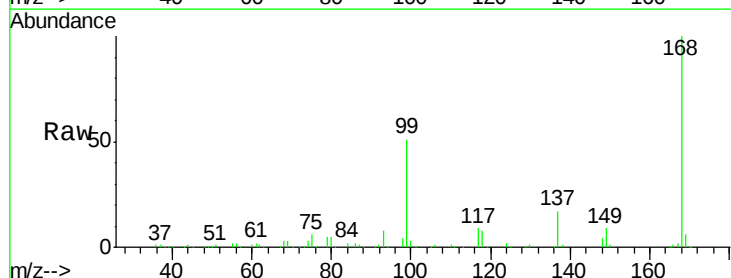
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW302-180502

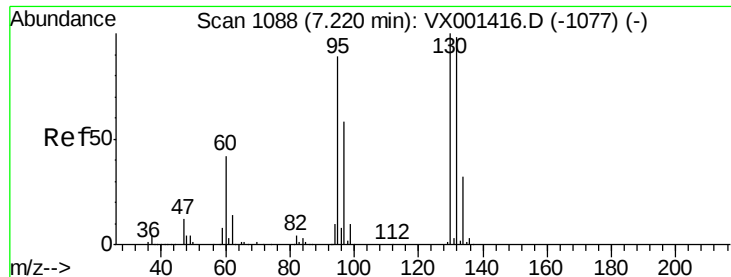
Tgt Ion: 75 Resp: 15305
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.9 56.7#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.73 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001648.D
 Acq: 11 May 2018 19:15

Tgt Ion: 117 Resp: 21017
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.0 115.6#
 121 0.0 25.1 37.7#





#44

Trichloroethene

Concen: 19.56 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

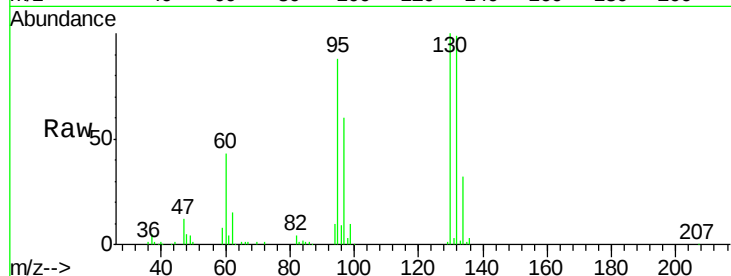
SS037MW302-180502

Tgt Ion:130 Resp: 72781

Ion Ratio Lower Upper

130 100

95 88.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

40000

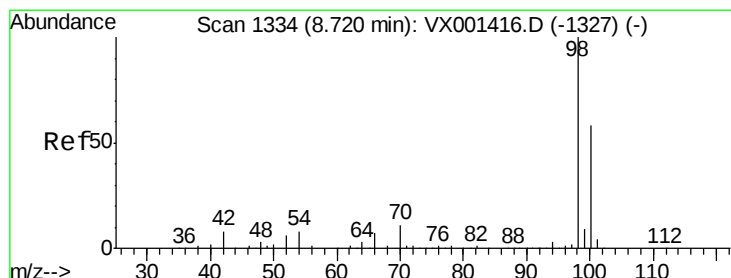
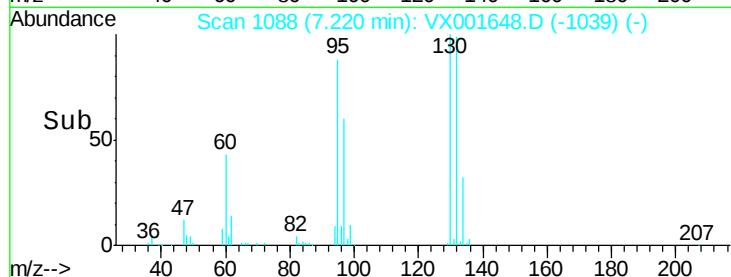
30000

20000

10000

0

Time--> 7.10 7.20 7.30



#50

Toluene-d8

Concen: 51.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001648.D

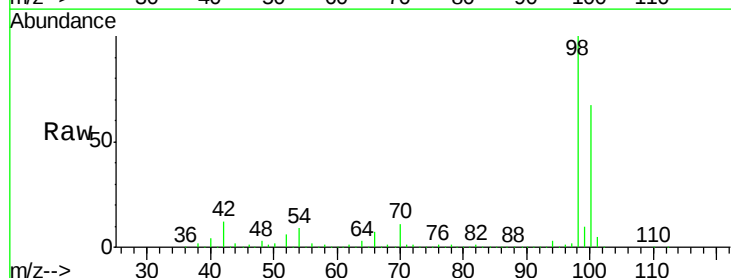
Acq: 11 May 2018 19:15

Tgt Ion: 98 Resp: 551315

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

8.72

400000

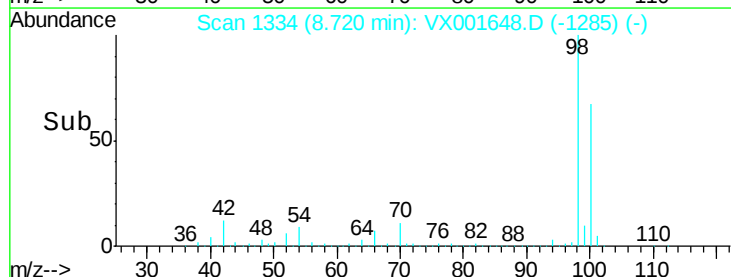
300000

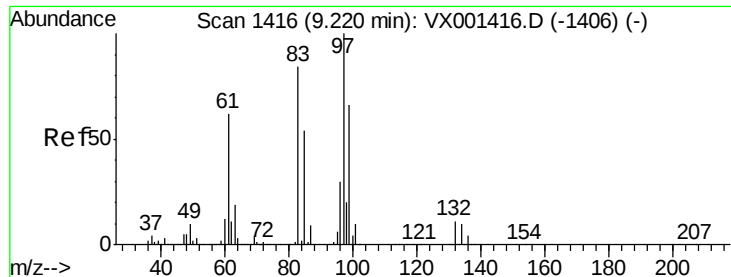
200000

100000

0

Time--> 8.60 8.70 8.80 8.90





#55

1,1,2-Trichloroethane

Concen: 1.82 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502

Tgt Ion: 97 Resp: 5850

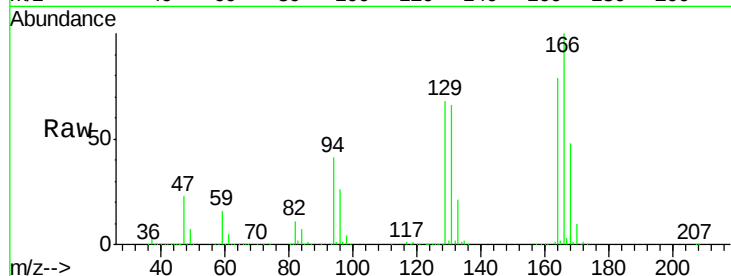
Ion Ratio Lower Upper

97 100

83 227.1 67.4 101.0#

85 30.2 43.3 64.9#

99 14.3 52.5 78.7#

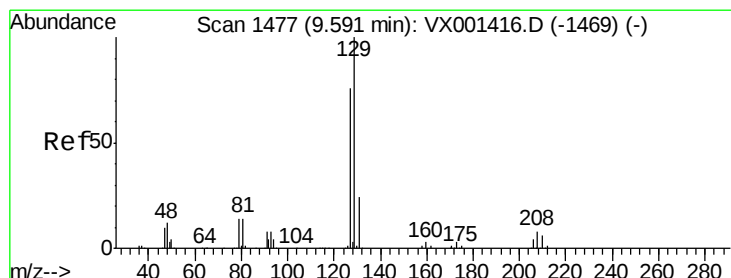
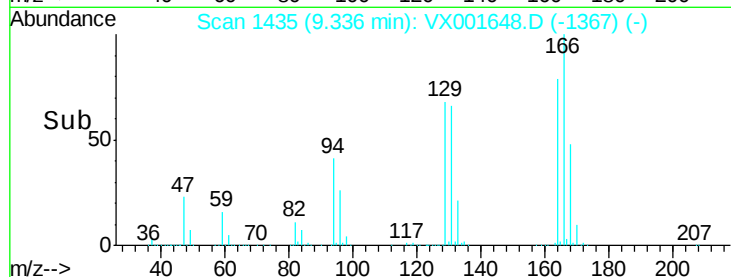
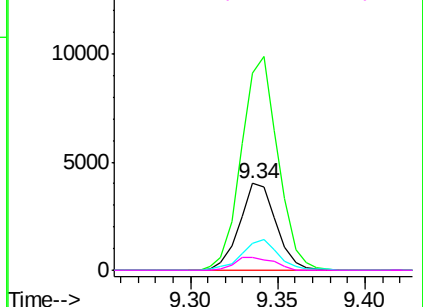


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 204.17 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001648.D

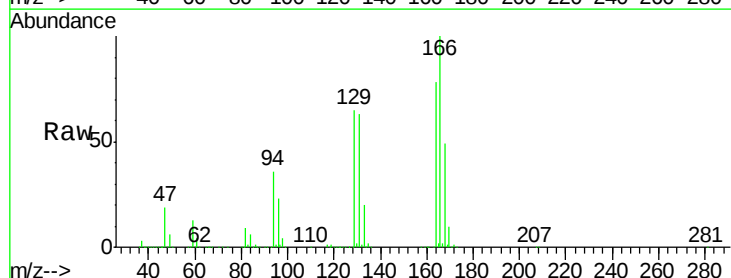
Acq: 11 May 2018 19:15

Tgt Ion: 129 Resp: 670664

Ion Ratio Lower Upper

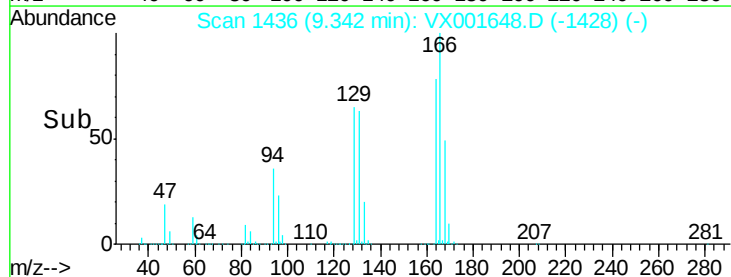
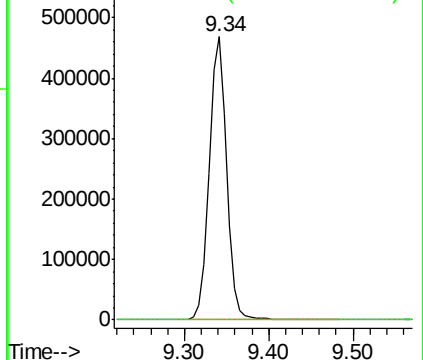
129 100

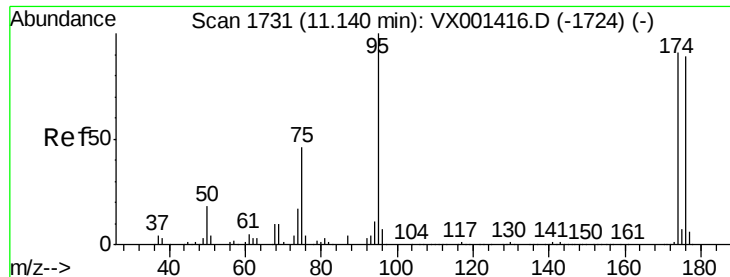
127 0.1 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 44.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502

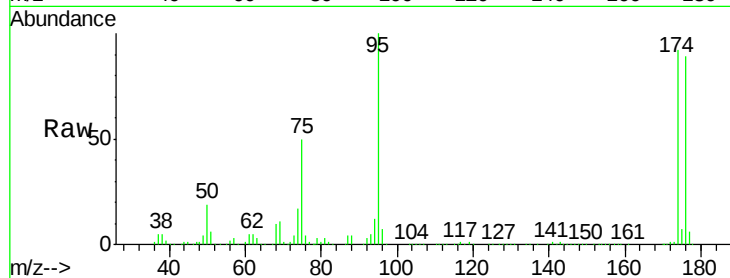
Tgt Ion: 95 Resp: 180781

Ion Ratio Lower Upper

95 100

174 101.8 0.0 202.0

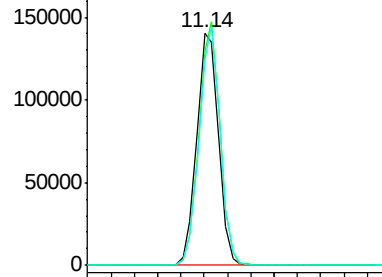
176 99.0 0.0 197.4



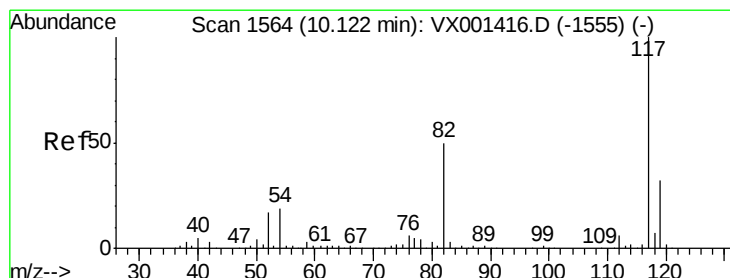
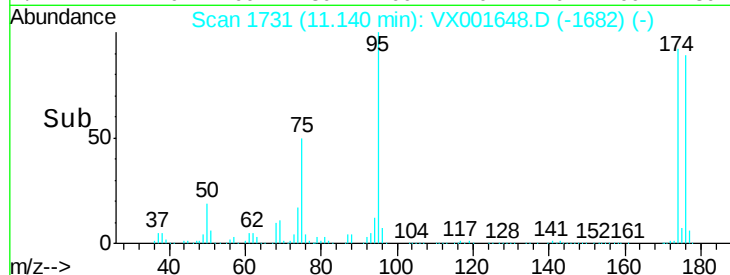
Abundance Ion 94.90 (94.60 to 95.60): VX001648.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001648.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001648.D (-1682) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

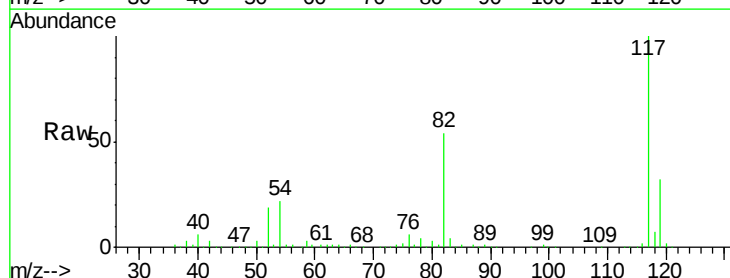
Tgt Ion: 117 Resp: 287506

Ion Ratio Lower Upper

117 100

82 53.7 40.0 60.0

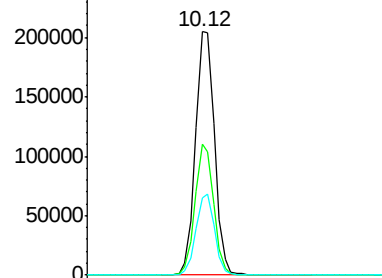
119 31.9 25.8 38.8



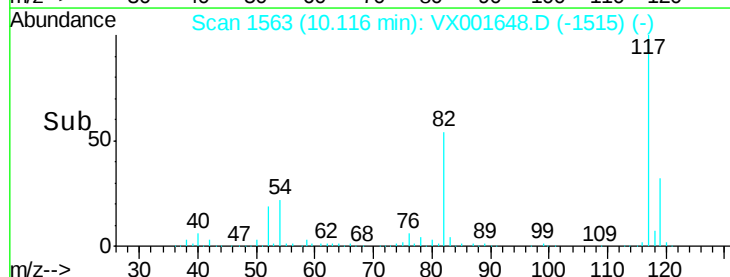
Abundance Ion 116.90 (116.60 to 117.60): VX001648.D (-1515) (-)

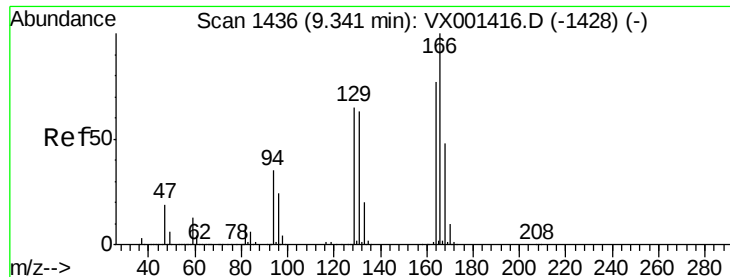
Ion 82.00 (81.70 to 82.70): VX001648.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001648.D (-1515) (-)



Time-->





#64

Tetrachloroethene

Concen: 200.54 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502

Tgt Ion:164 Resp: 803664

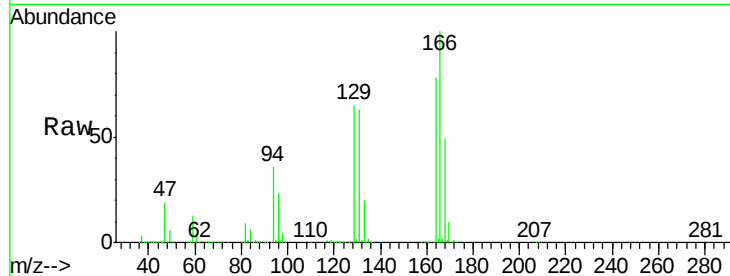
Ion Ratio Lower Upper

164 100

166 128.8 103.5 155.3

129 83.2 66.7 100.1

131 81.2 64.9 97.3

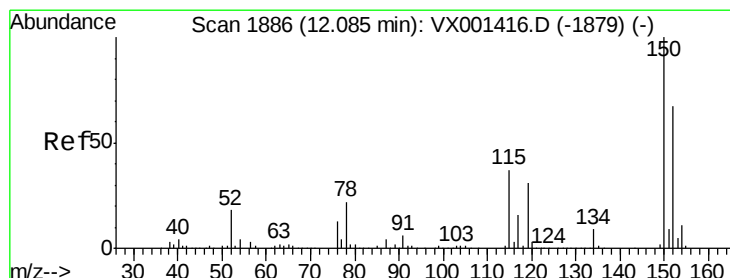
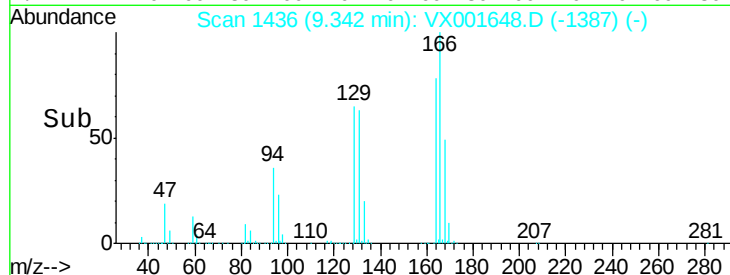
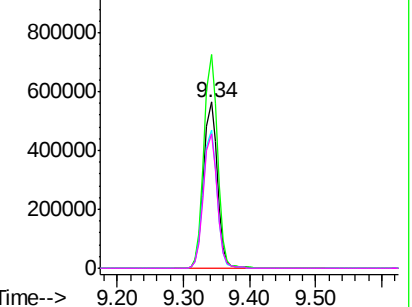


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001648.D

Acq: 11 May 2018 19:15

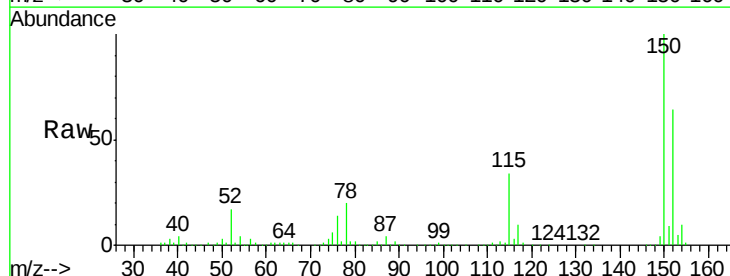
Tgt Ion:152 Resp: 153615

Ion Ratio Lower Upper

152 100

115 53.3 37.7 113.1

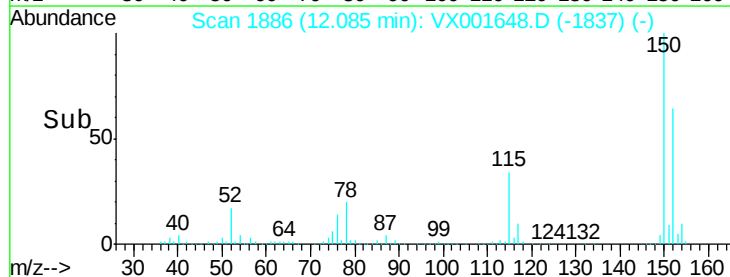
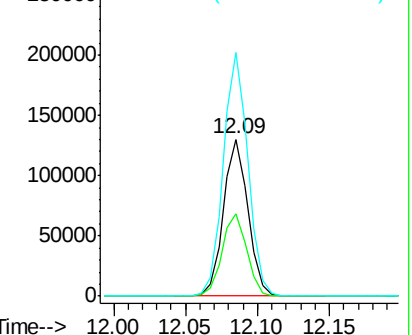
150 156.4 0.0 349.4

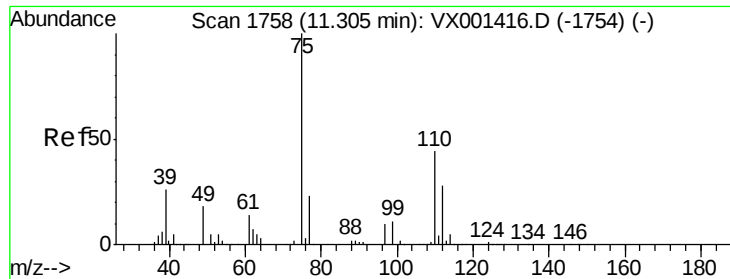


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

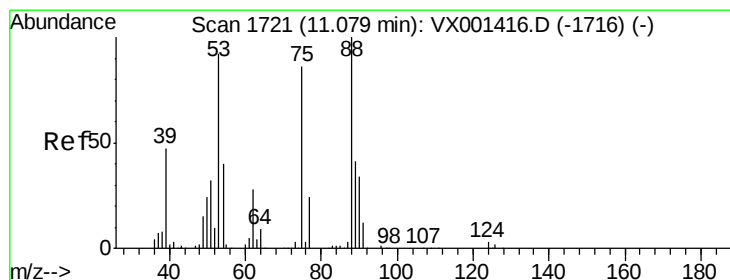
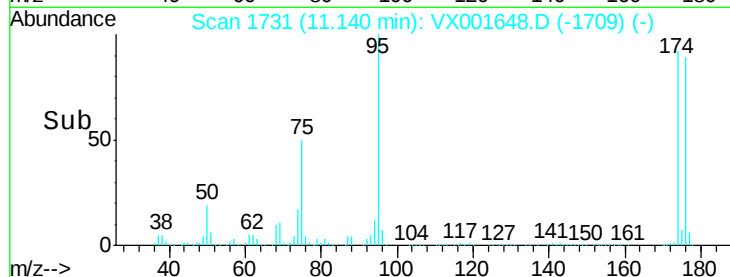
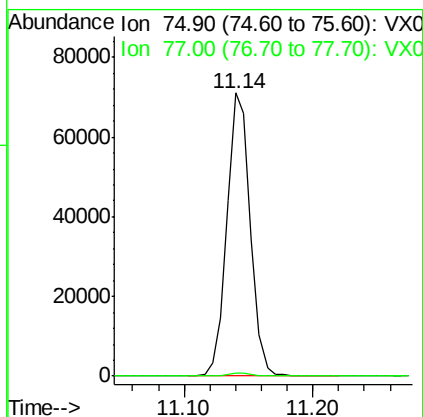
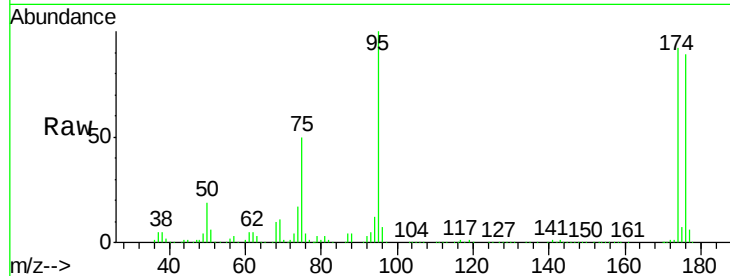




#76
 1,2,3-Trichloropropane
 Concen: 29.12 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001648.D
 Acq: 11 May 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW302-180502

Tgt Ion: 75 Resp: 90713
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.16 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001648.D
 Acq: 11 May 2018 19:15

Tgt Ion: 75 Resp: 90713
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

