

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009790.D
 Acq On : 22 May 2019 08:54
 Operator : JC/SP
 Sample : K2902-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 24 22:58:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	173037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118940	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	5.50	113	86121	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.71	98	351386	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.13	95	118273	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

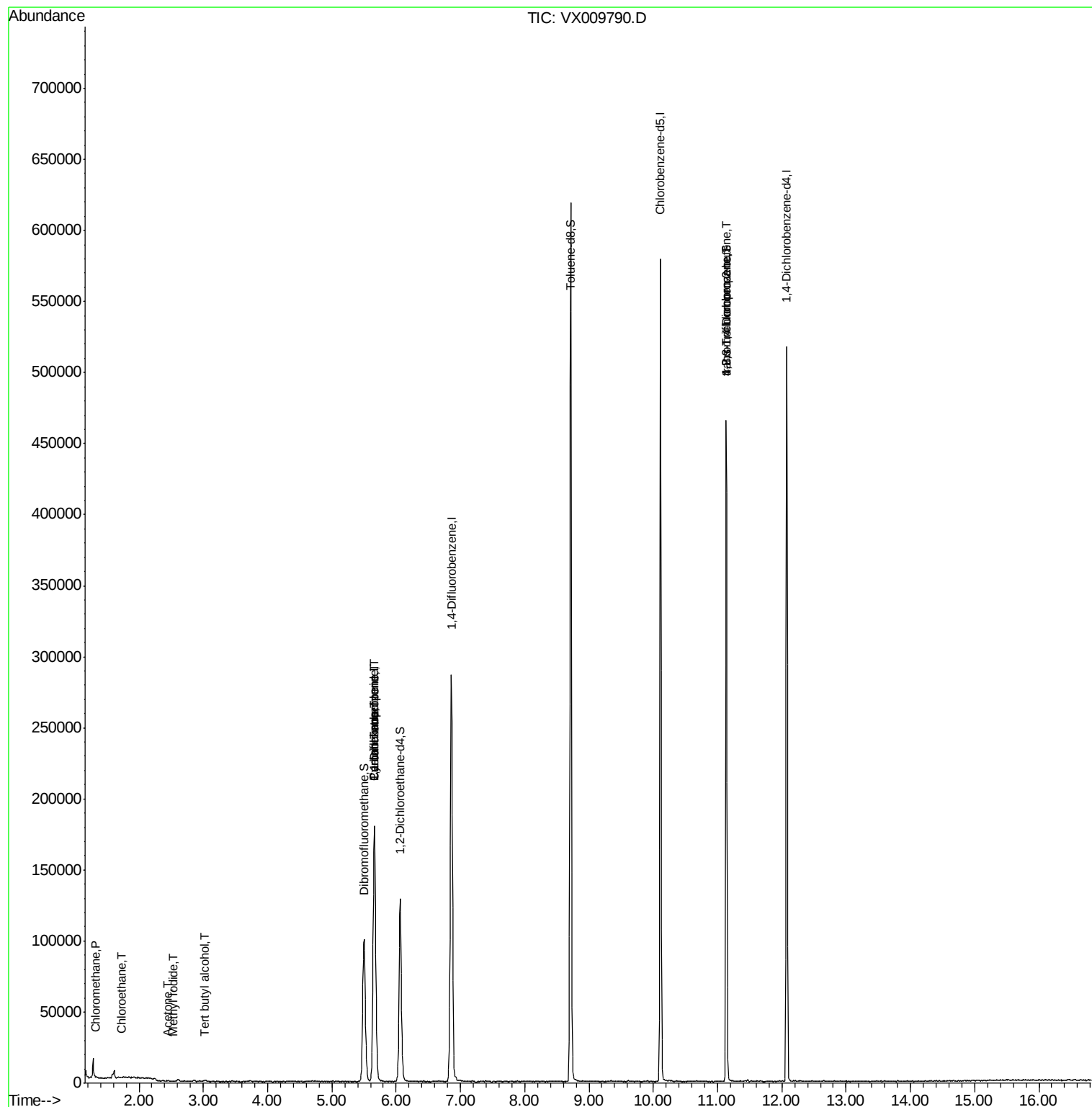
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	469	0.215	ug/l #	58
6) Chloroethane	1.73	64	277	0.203	ug/l #	61
10) Methyl Iodide	2.52	142	61	4.623	ug/l #	42
11) Tert butyl alcohol	3.02	59	384	0.702	ug/l #	87
16) Acetone	2.45	43	523	0.412	ug/l #	62
28) Bromochloromethane	5.02	49	66	Below Cal	#	20
31) Cyclohexane	5.67	56	3931	1.126	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13512	5.201	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16238	6.879	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	60805	24.535	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60805	62.777	ug/l #	10

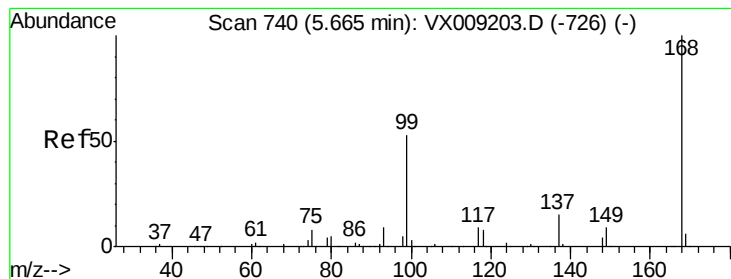
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052119\
Data File : VX009790.D
Acq On : 22 May 2019 08:54
Operator : JC/SP
Sample : K2902-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Quant Time: May 24 22:58:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampleId :

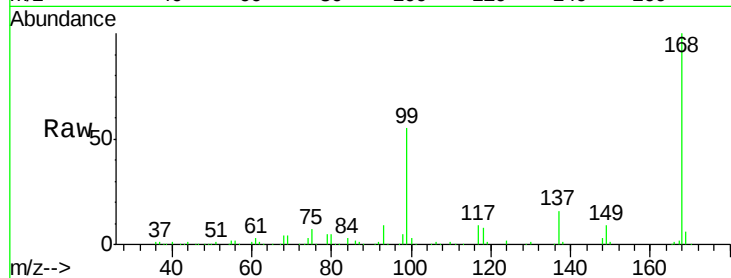
TRIP-BLANK

Tot Ion:168 Resp: 173037

Ion Ratio Lower Upper

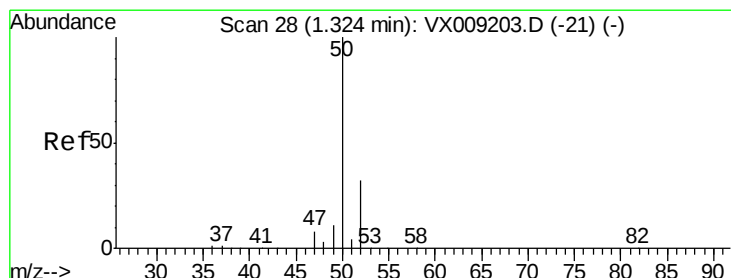
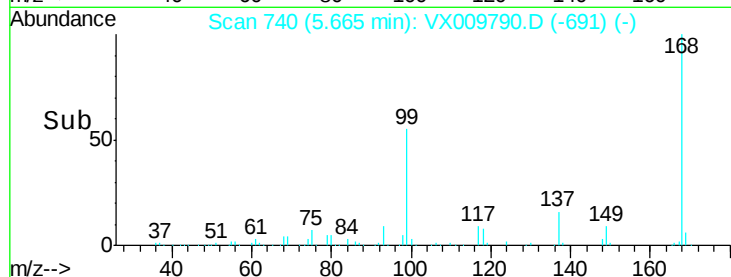
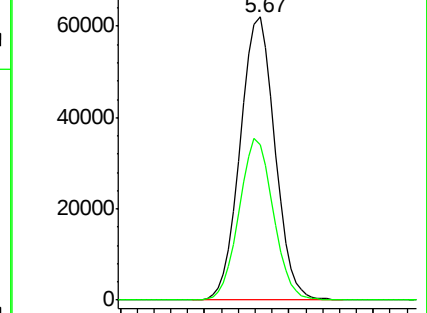
168 100

99 54.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009790.D

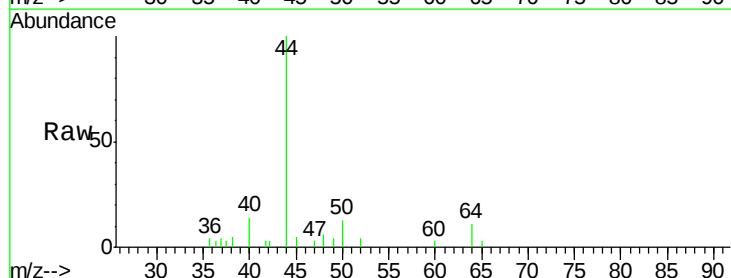
Acq: 22 May 2019 08:54

Tgt Ion: 50 Resp: 469

Ion Ratio Lower Upper

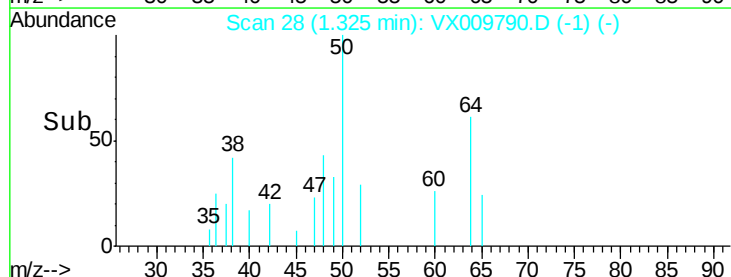
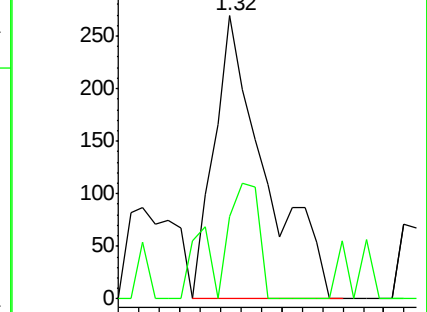
50 100

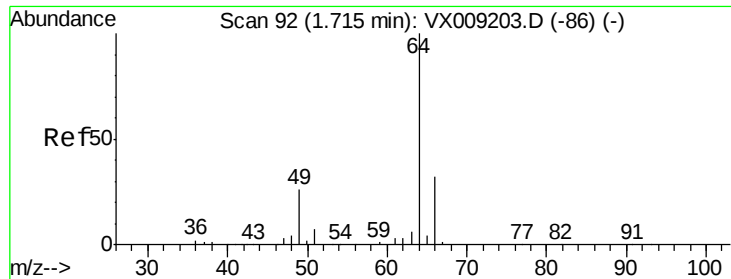
52 8.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.203 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampled :

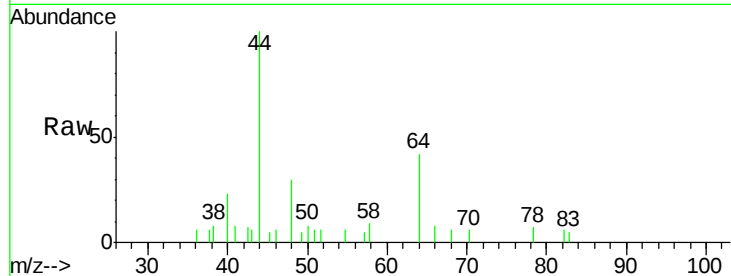
TRIP-BLANK

Tot Ion: 64 Resp: 277

Ion Ratio Lower Upper

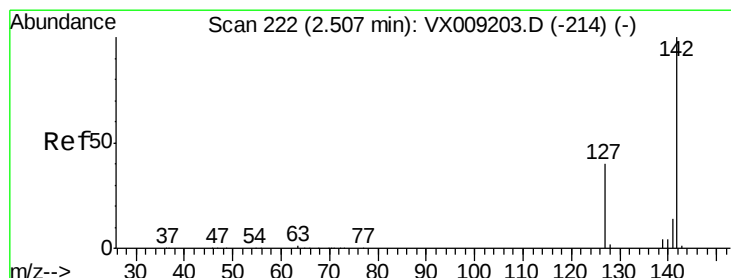
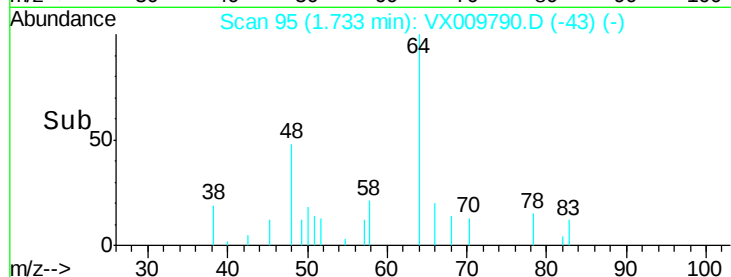
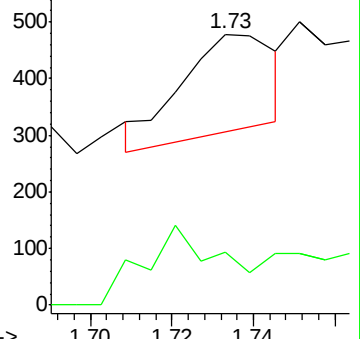
64 100

66 9.8 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.623 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

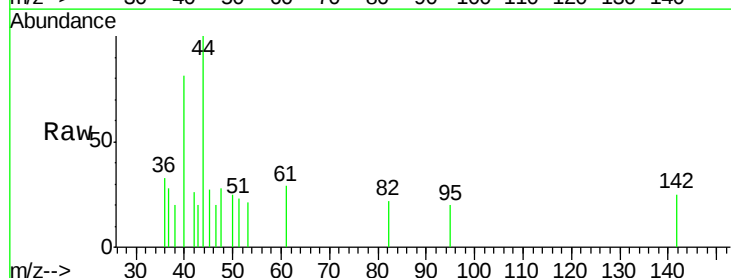
Tgt Ion: 142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

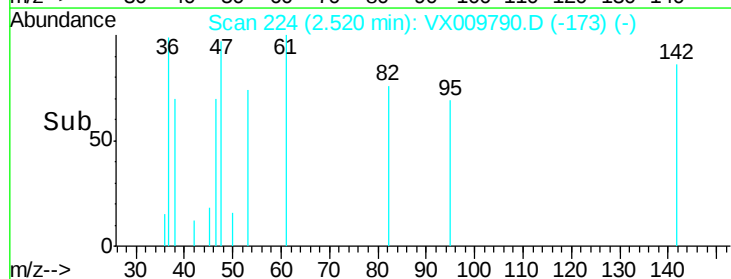
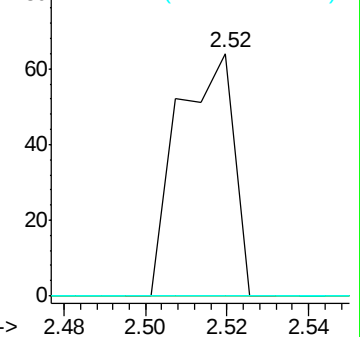
141 0.0 11.5 17.3#

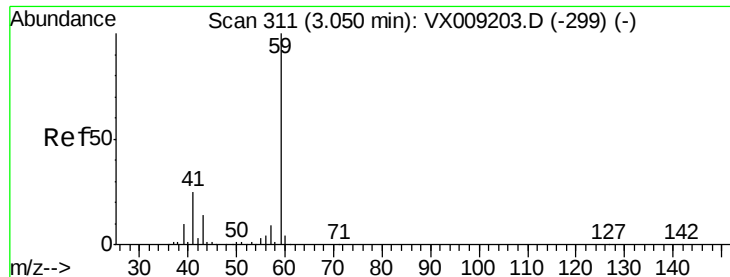


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

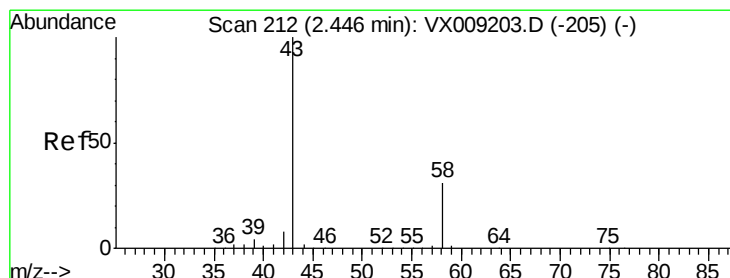
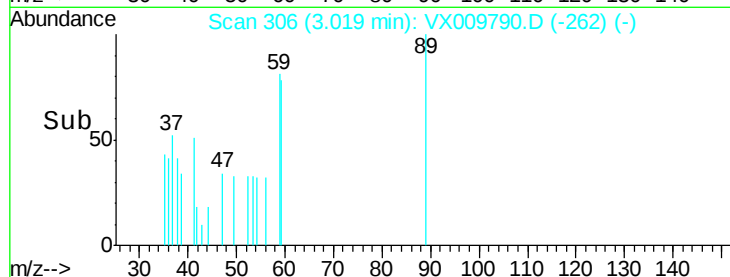
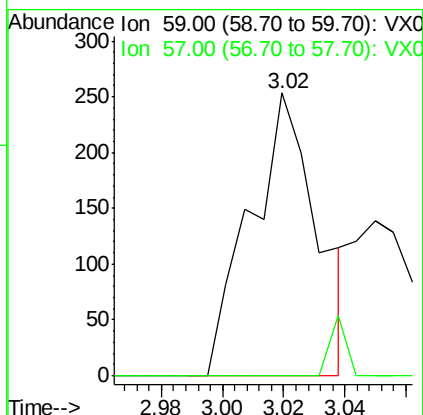
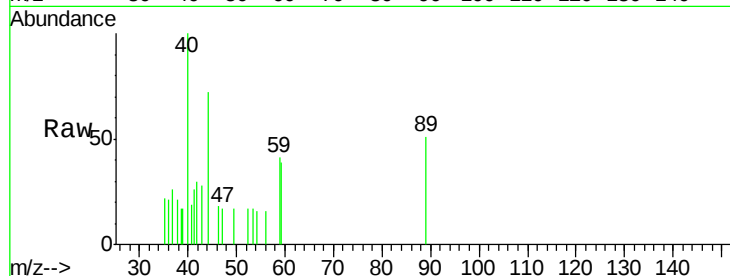




#11
Tert butyl alcohol
Concen: 0.702 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009790.D
Acq: 22 May 2019 08:54

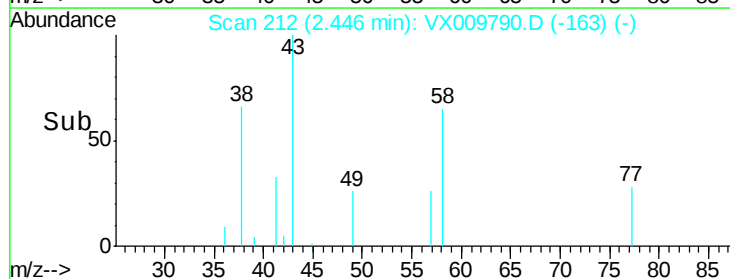
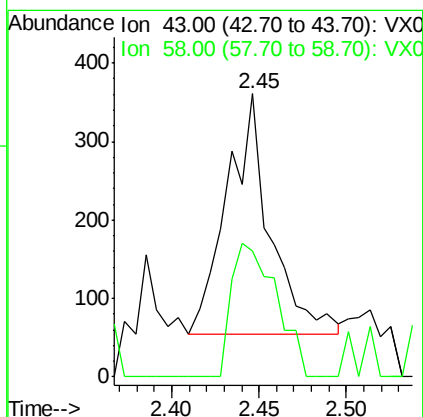
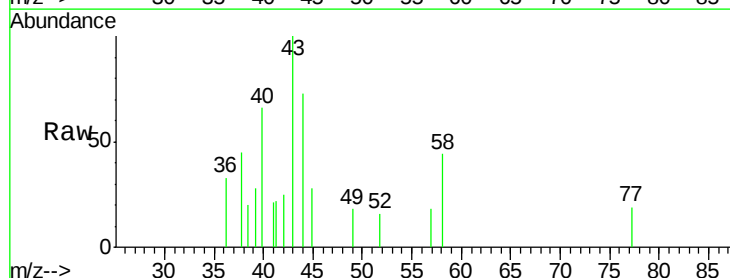
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

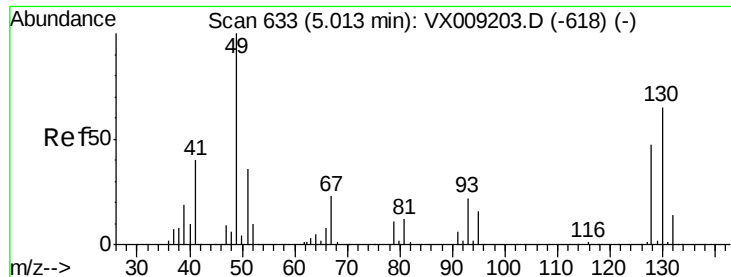
Tot Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 5.2 8.2 12.2#



#16
Acetone
Concen: 0.412 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009790.D
Acq: 22 May 2019 08:54

Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
58 52.3 24.9 37.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

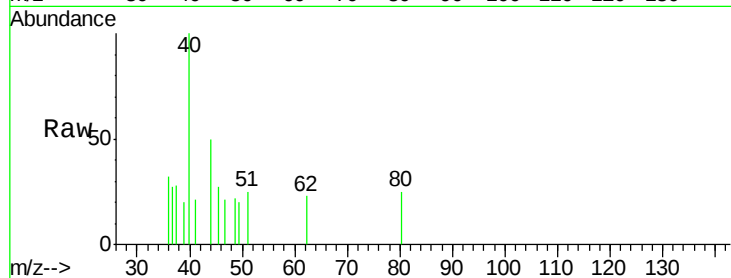
Tot Ion: 49 Resp: 66

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

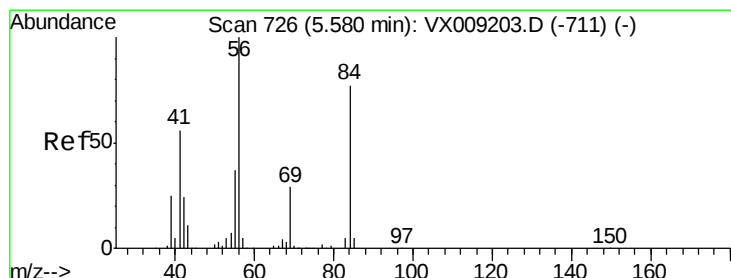
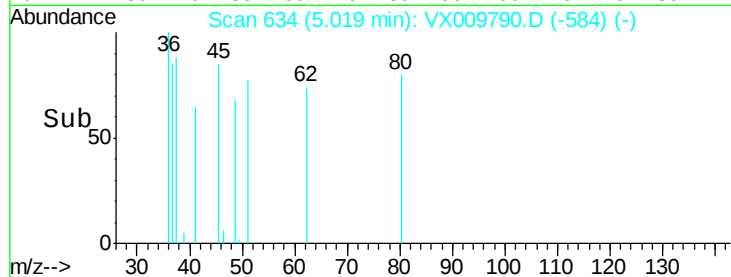
5.02

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

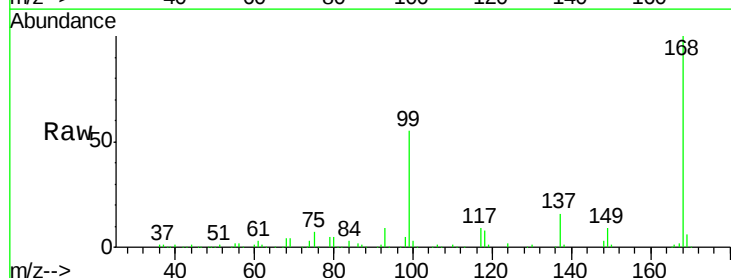
Tgt Ion: 56 Resp: 3931

Ion Ratio Lower Upper

56 100

69 163.6 23.4 35.0#

84 140.5 61.9 92.9#



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

3000

2500

2000

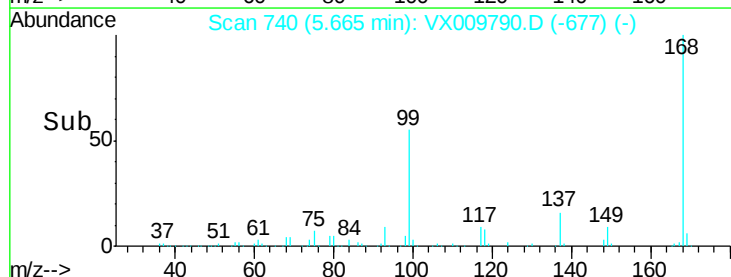
1500

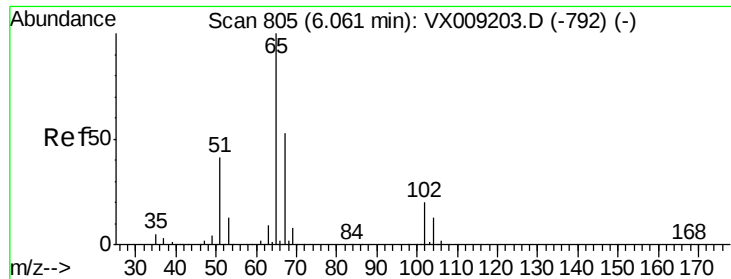
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.352 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampleId :

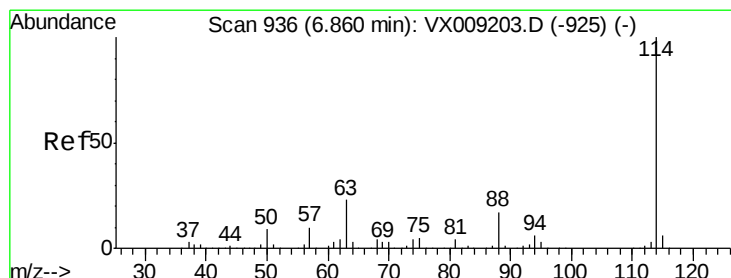
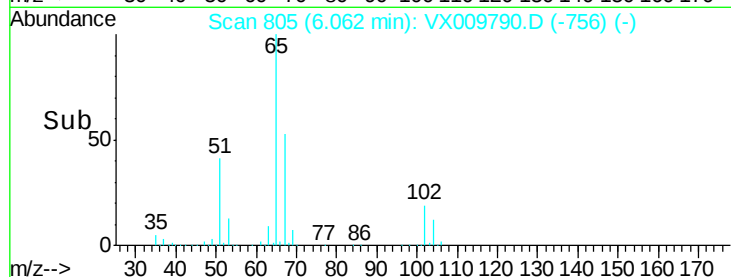
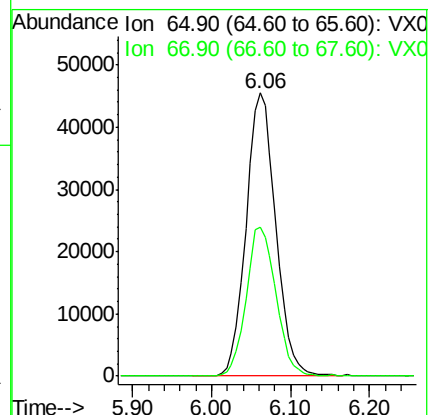
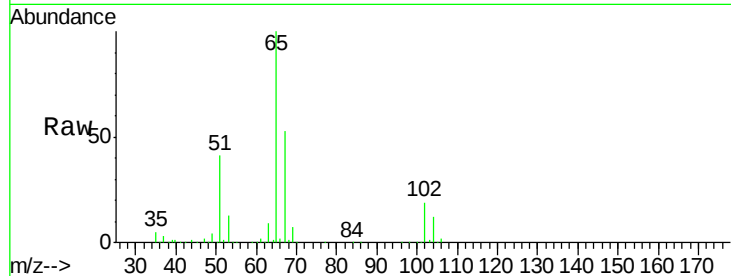
TRIP-BLANK

Tot Ion: 65 Resp: 118940

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

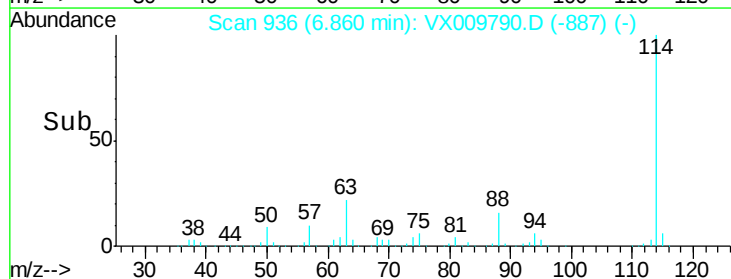
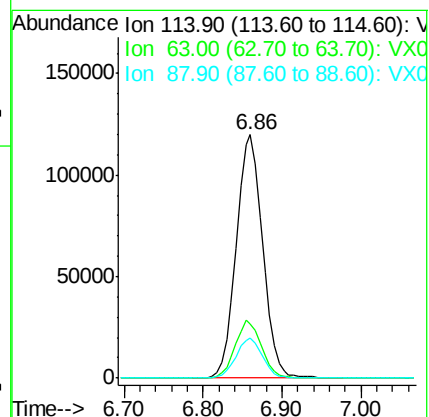
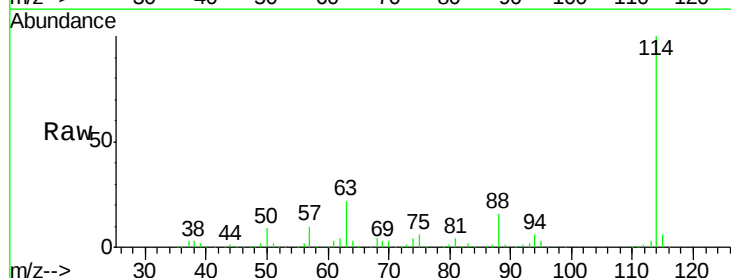
Tgt Ion: 114 Resp: 279572

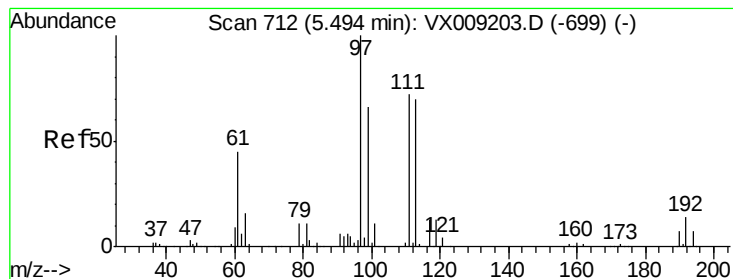
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.002 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

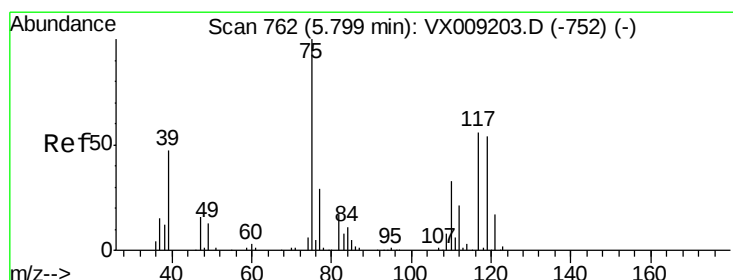
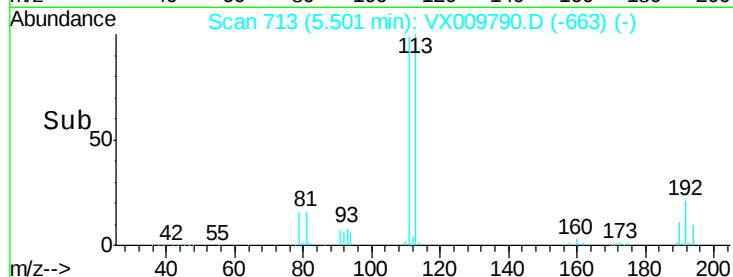
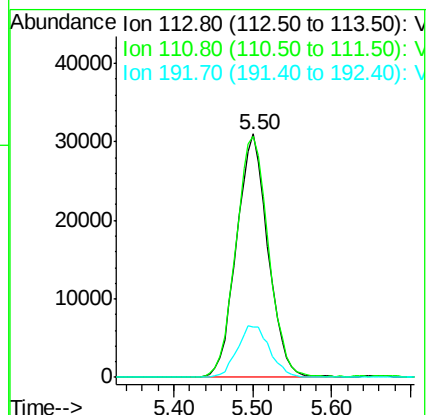
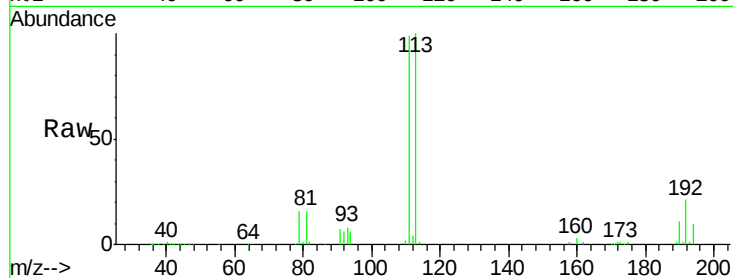
Tot Ion:113 Resp: 86121

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 21.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.201 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

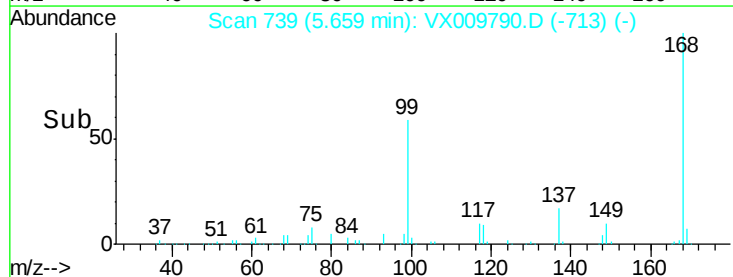
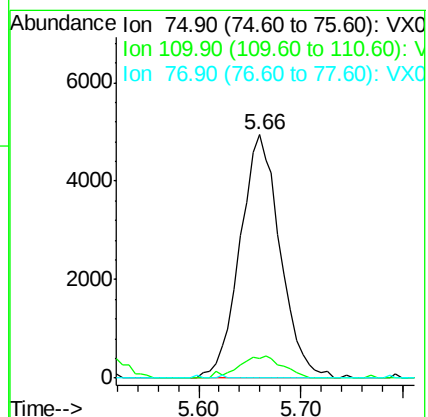
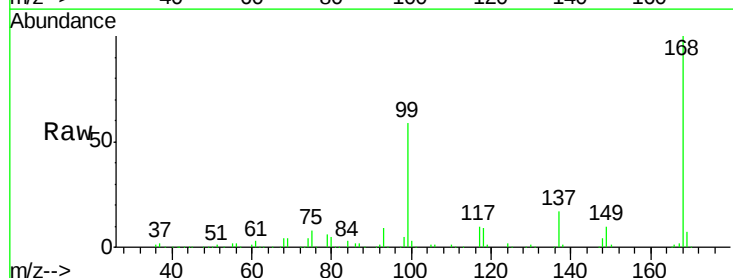
Tgt Ion: 75 Resp: 13512

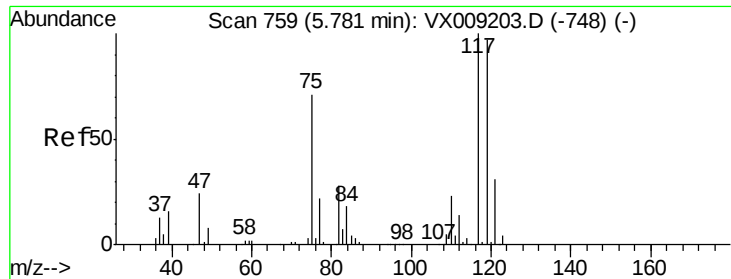
Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.6#

77 0.0 24.8 37.2#

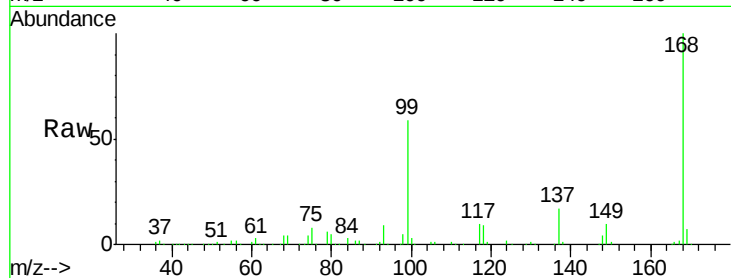




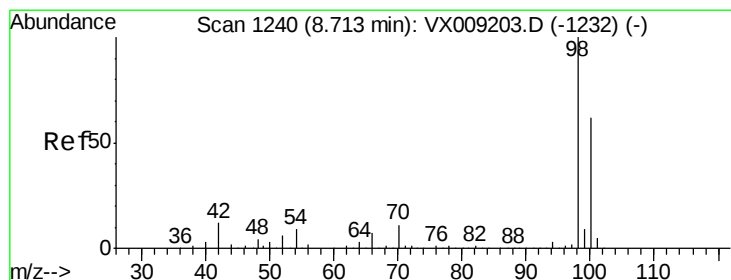
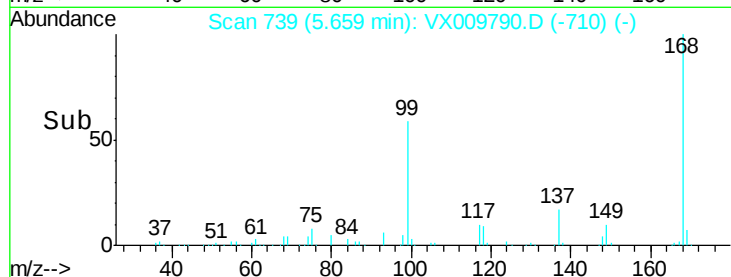
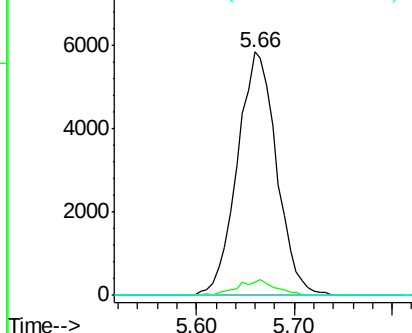
#38
Carbon Tetrachloride
Concen: 6.879 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009790.D
Acq: 22 May 2019 08:54

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 16238
Ion Ratio Lower Upper
117 100
119 5.5 77.5 116.3#
121 0.0 24.7 37.1#

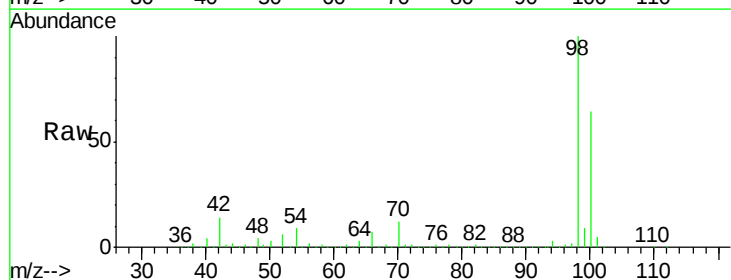


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

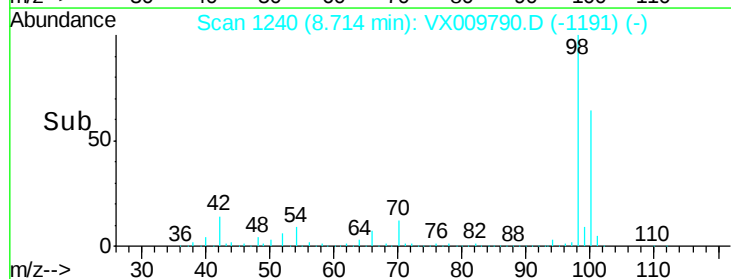
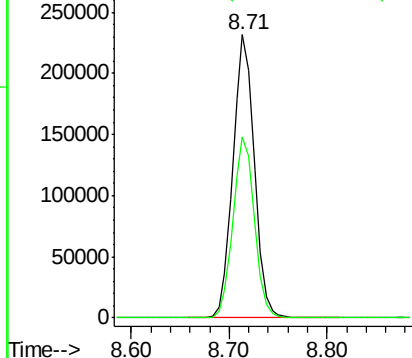


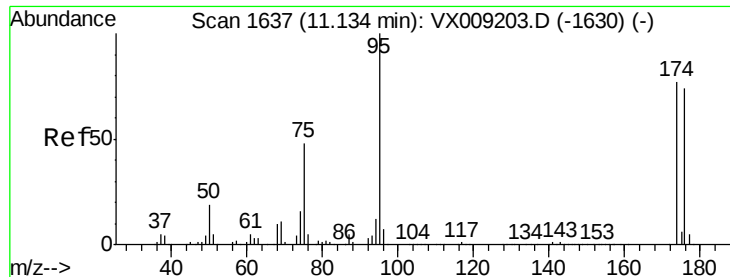
#50
Toluene-d8
Concen: 49.523 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009790.D
Acq: 22 May 2019 08:54

Tgt Ion: 98 Resp: 351386
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

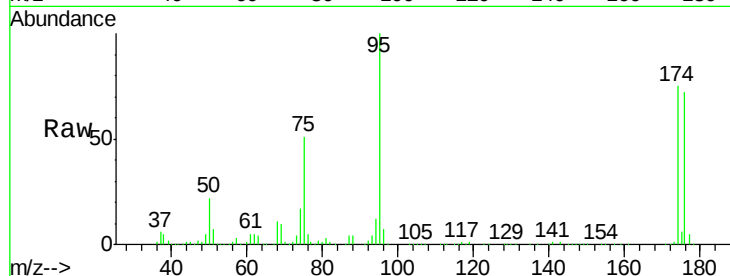
Tot Ion: 95 Resp: 118273

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

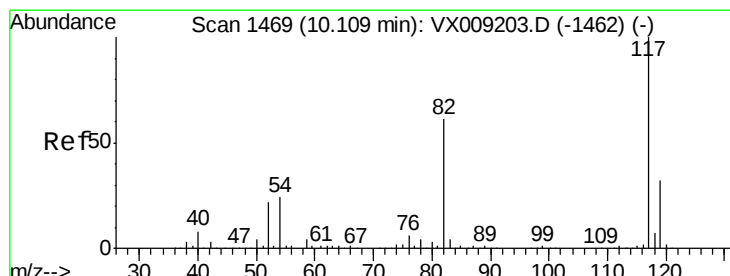
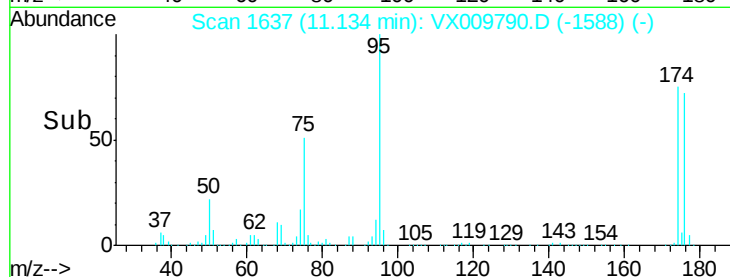
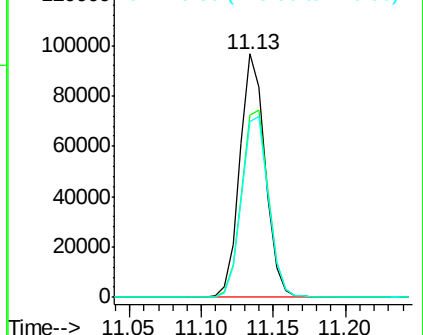
176 78.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

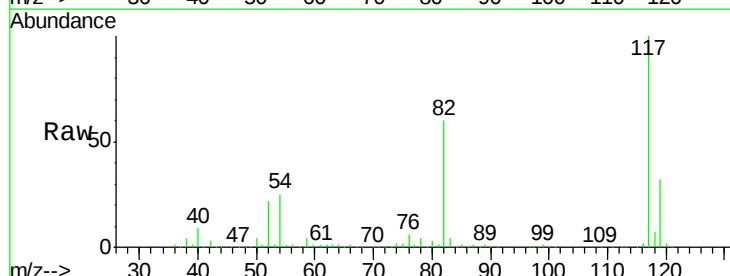
Tgt Ion: 117 Resp: 250261

Ion Ratio Lower Upper

117 100

82 59.8 48.8 73.2

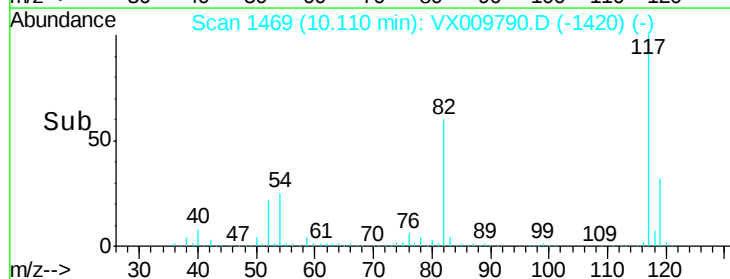
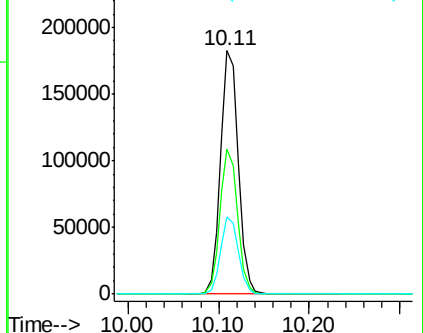
119 31.8 25.8 38.6

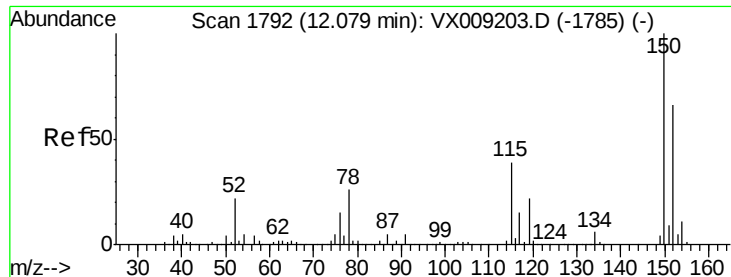


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

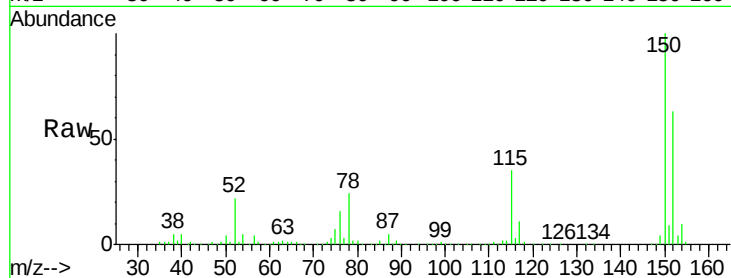
Tot Ion:152 Resp: 106839

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

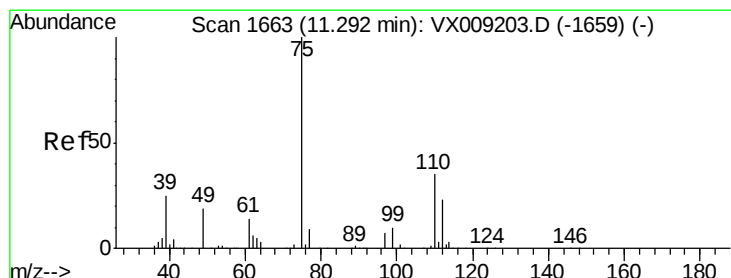
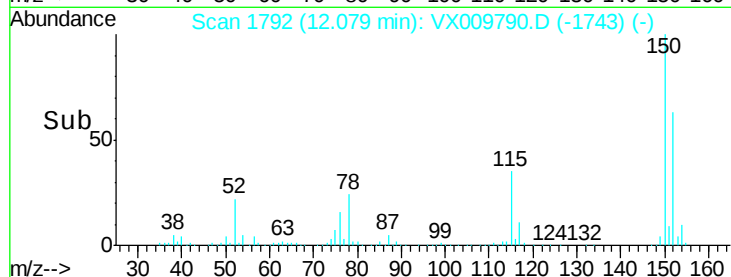
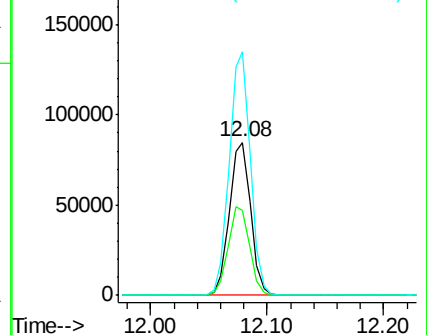
150 158.0 0.0 346.4



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: 24.535 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009790.D

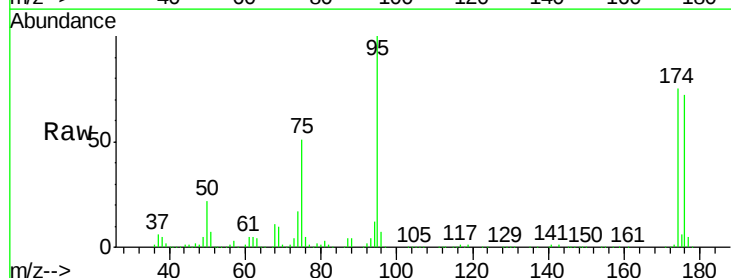
Acq: 22 May 2019 08:54

Tgt Ion: 75 Resp: 60805

Ion Ratio Lower Upper

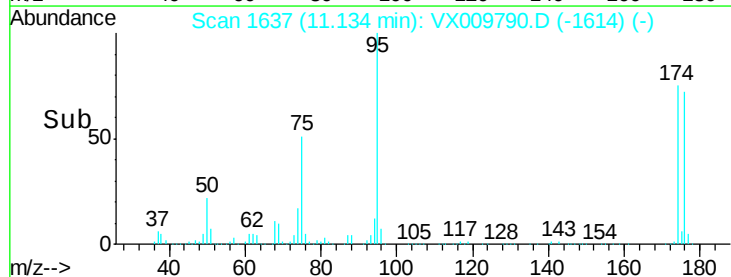
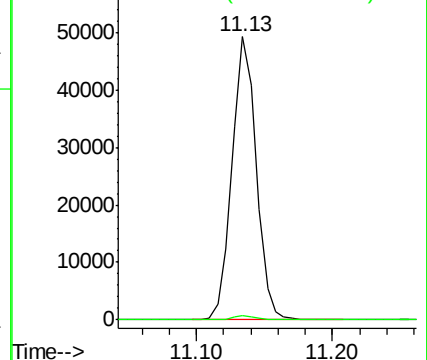
75 100

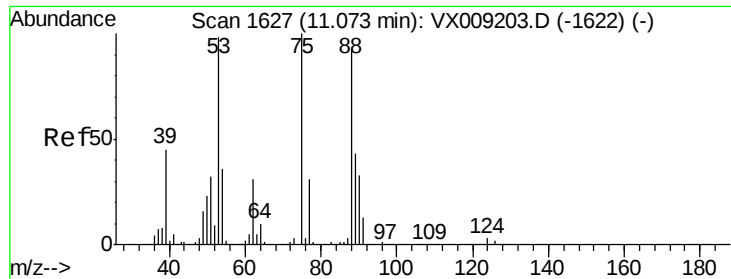
77 1.4 22.1 66.1#



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: 62.777 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009790.D

Acq: 22 May 2019 08:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 60805

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

