

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041919\
 Data File : VX009071.D
 Acq On : 19 Apr 2019 15:30
 Operator : JC/SP
 Sample : K2487-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 20 00:38:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	239074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160647	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	5.50	113	117688	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	8.71	98	480993	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.13	95	157677	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	

Target Compounds

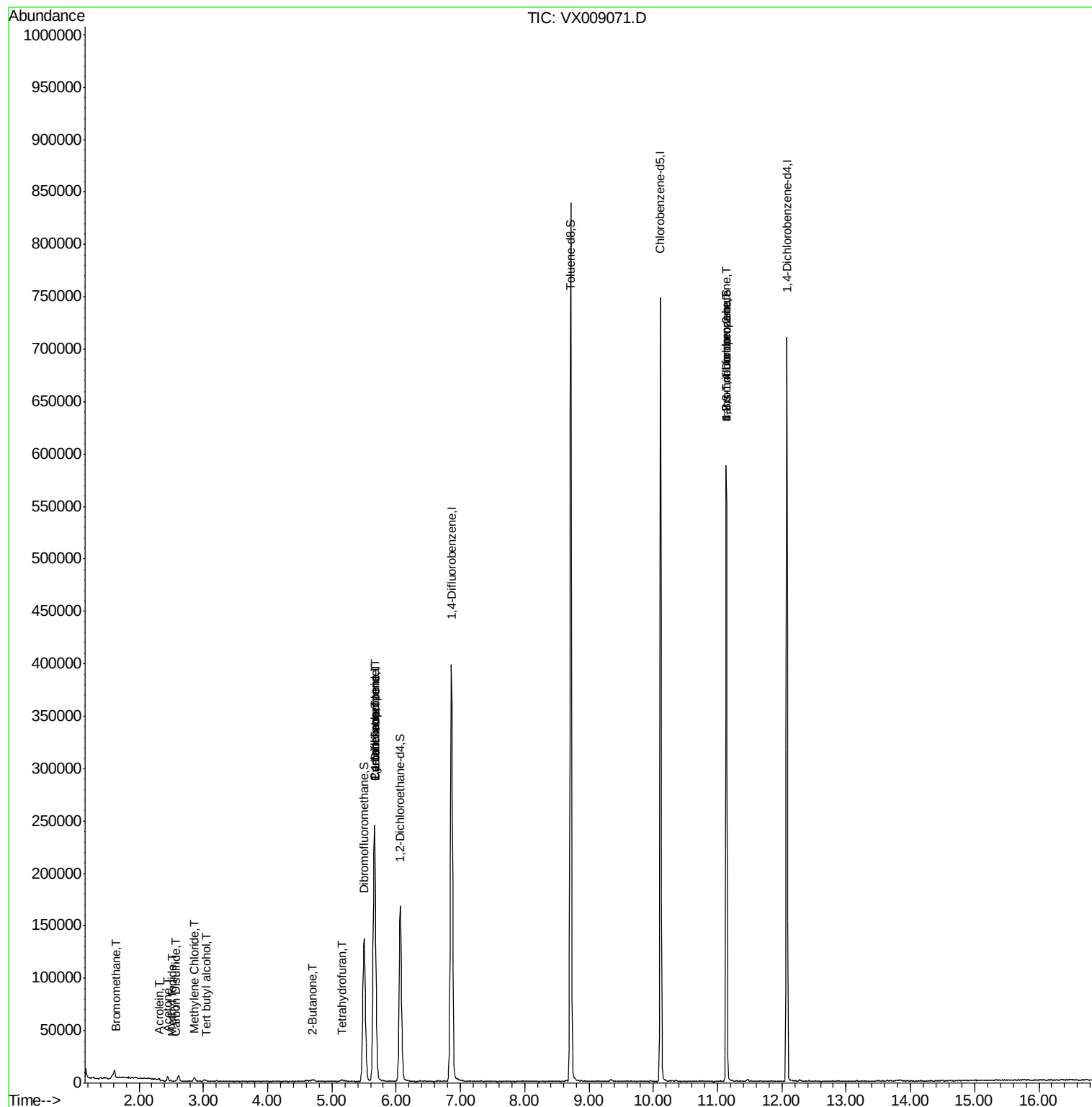
					Qvalue	
5) Bromomethane	1.64	94	114	3.899	ug/l #	1
10) Methyl Iodide	2.51	142	32	4.425	ug/l #	1
11) Tert butyl alcohol	3.05	59	1427	1.908	ug/l #	87
13) Acrolein	2.31	56	202	0.313	ug/l #	66
16) Acetone	2.44	43	4708	2.695	ug/l	94
17) Carbon Disulfide	2.57	76	595	1.330	ug/l #	75
20) Methylene Chloride	2.86	84	1648	0.552	ug/l #	91
25) 2-Butanone	4.70	43	669	0.240	ug/l #	74
28) Bromochloromethane	4.98	49	41	Below Cal	#	21
29) Tetrahydrofuran	5.15	42	1727	0.924	ug/l #	87
31) Cyclohexane	5.67	56	5432	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19102	4.756	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22974	6.747	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	81040	23.560	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	81040	60.486	ug/l #	10

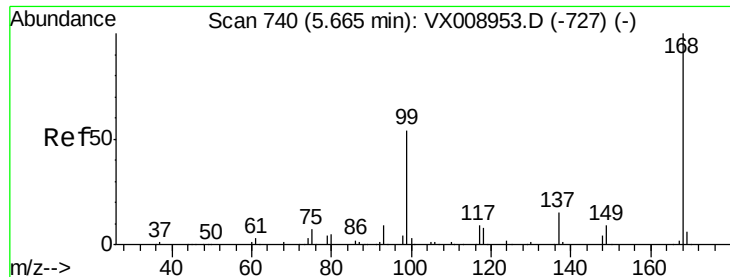
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 20 00:38:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 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: VX009071.D

Acq: 19 Apr 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

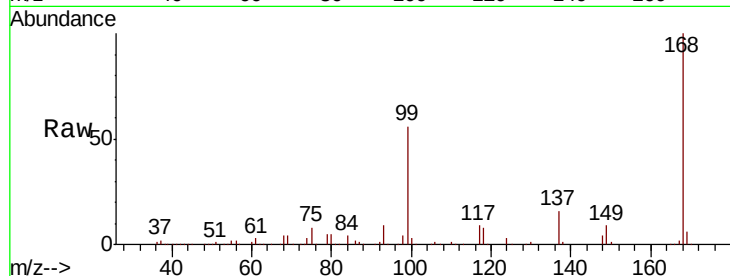
TRIP-BLANK

Tot Ion:168 Resp: 239074

Ion Ratio Lower Upper

168 100

99 56.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

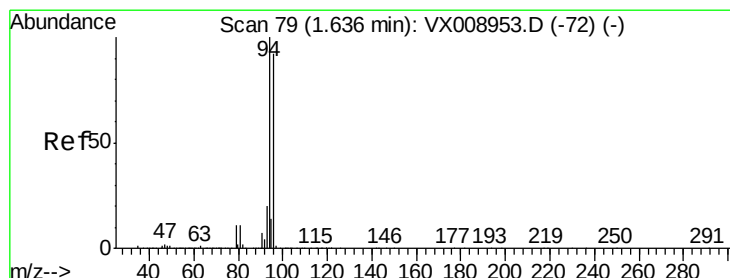
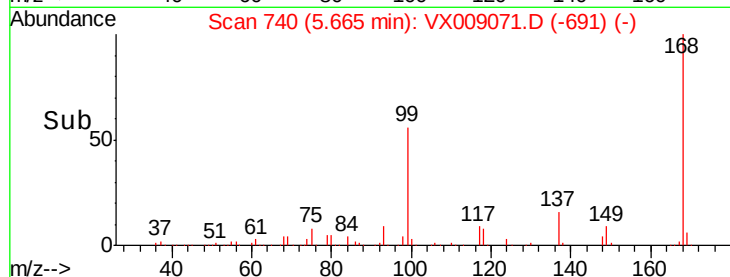
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.899 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009071.D

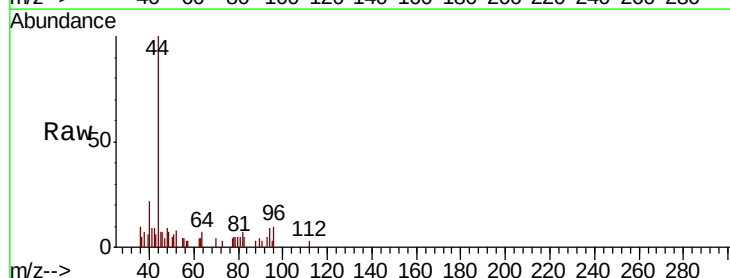
Acq: 19 Apr 2019 15:30

Tgt Ion: 94 Resp: 114

Ion Ratio Lower Upper

94 100

96 227.8 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

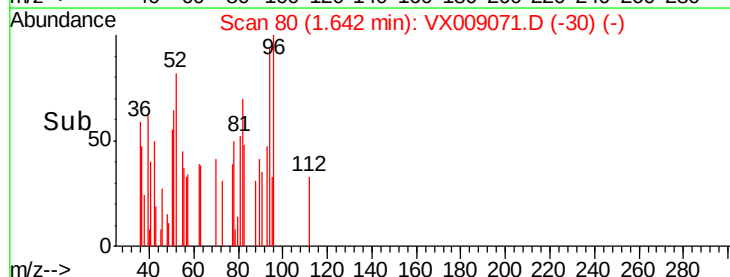
150

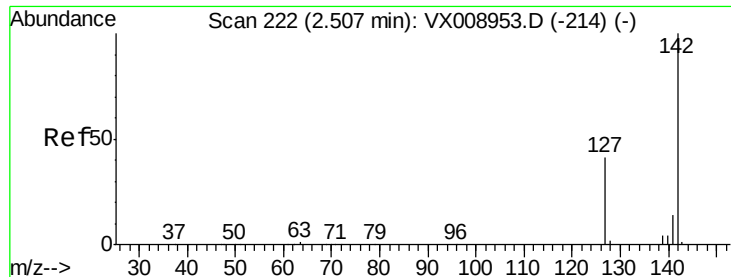
100

50

0

Time--> 1.62 1.64

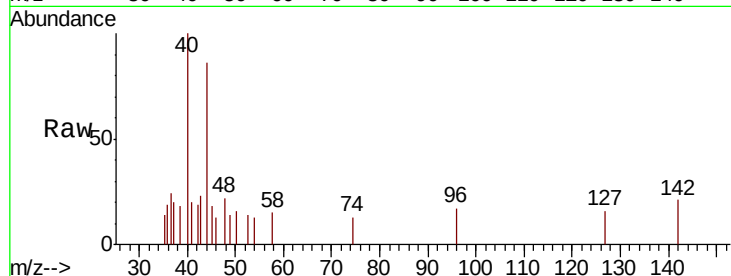




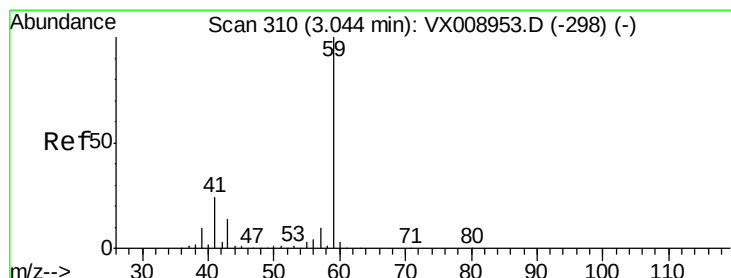
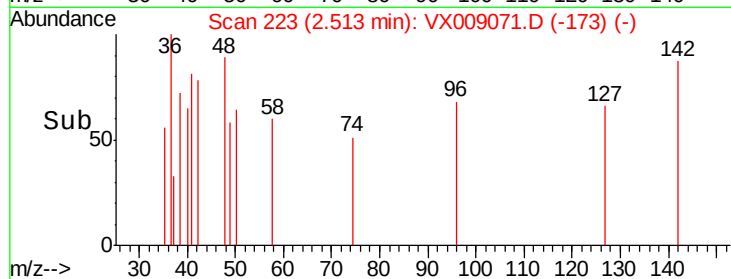
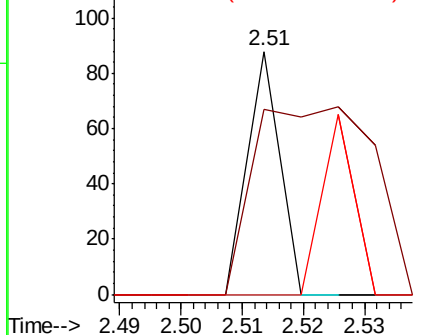
#10
Methvl Iodide
Concen: 4.425 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009071.D
Acq: 19 Apr 2019 15:30

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:142 Resp: 32
Ion Ratio Lower Upper
142 100
127 290.6 32.8 49.2#
141 75.0 11.4 17.2#

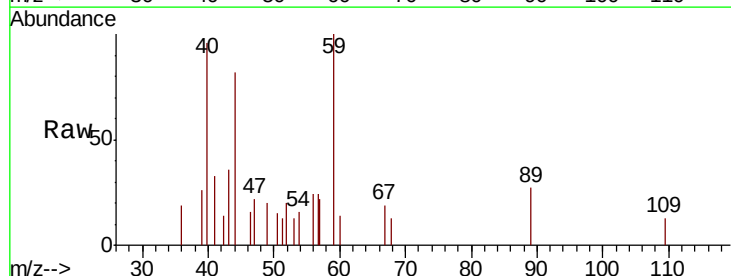


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

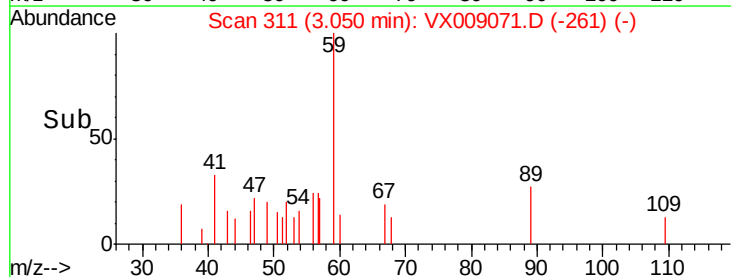
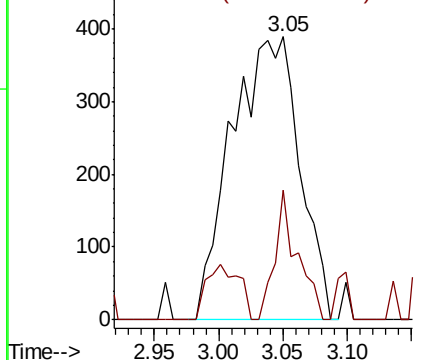


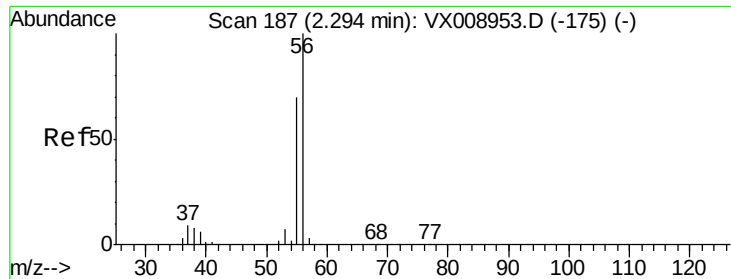
#11
Tert butyl alcohol
Concen: 1.908 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009071.D
Acq: 19 Apr 2019 15:30

Tgt Ion: 59 Resp: 1427
Ion Ratio Lower Upper
59 100
57 15.3 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.313 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

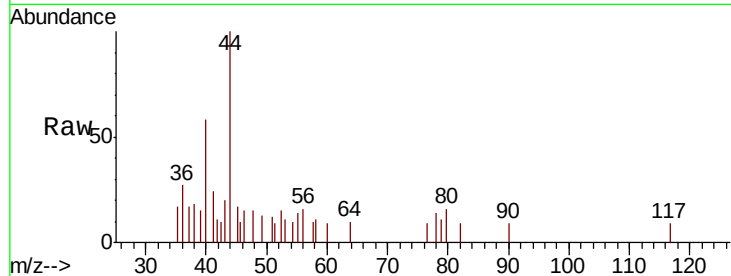
TRIP-BLANK

Tot Ion: 56 Resp: 202

Ion Ratio Lower Upper

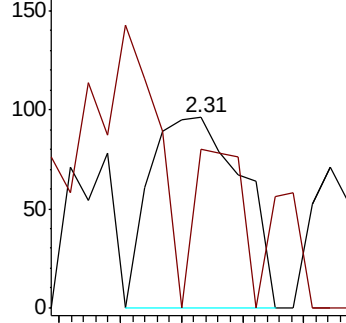
56 100

55 42.6 56.6 84.8#

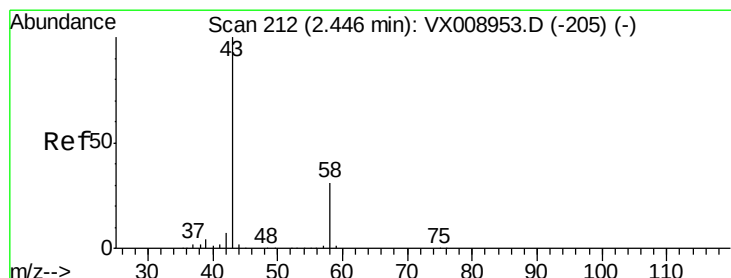
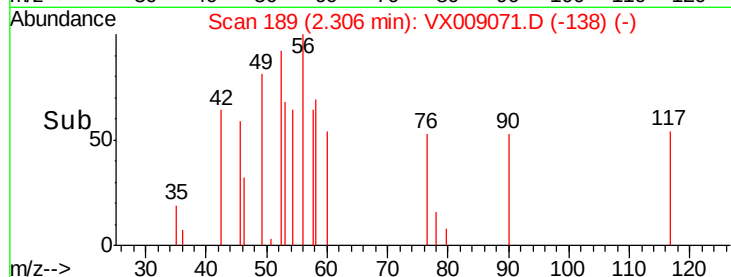


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 2.695 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009071.D

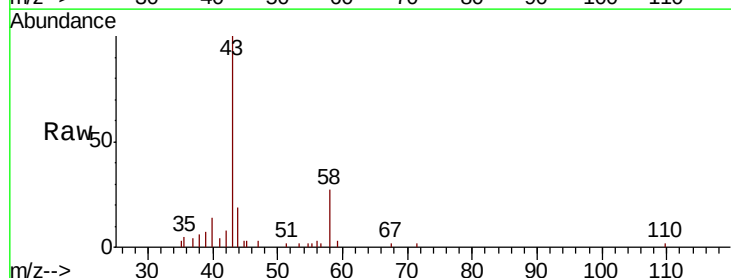
Acq: 19 Apr 2019 15:30

Tgt Ion: 43 Resp: 4708

Ion Ratio Lower Upper

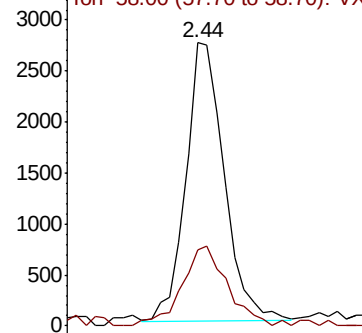
43 100

58 27.6 24.8 37.2

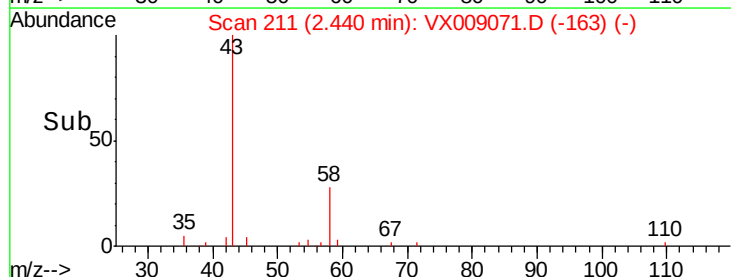


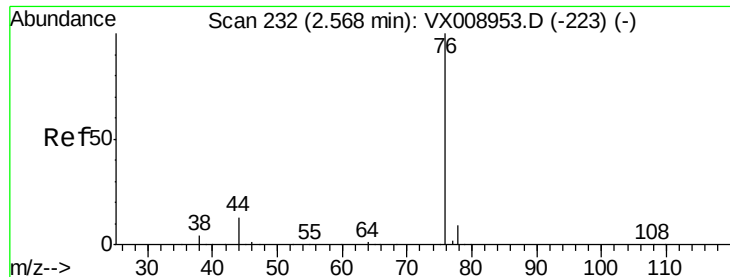
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 1.330 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

Instrument :

MSVOA_X

ClientSampled :

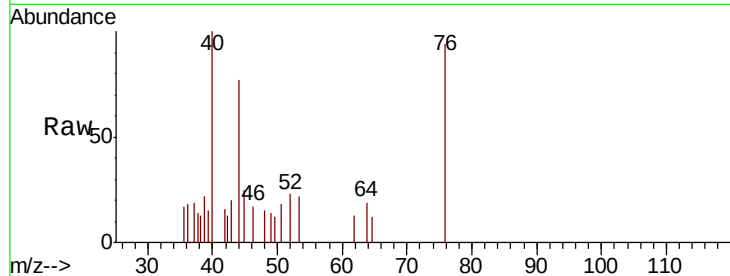
TRIP-BLANK

Tot Ion: 76 Resp: 595

Ion Ratio Lower Upper

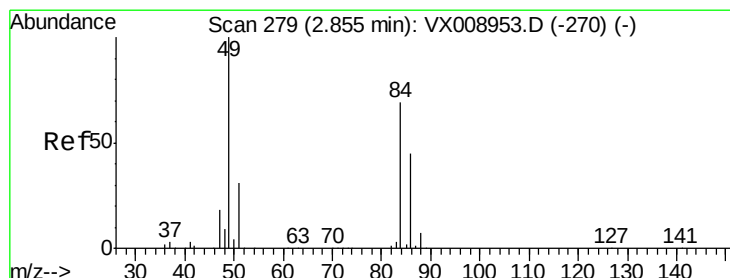
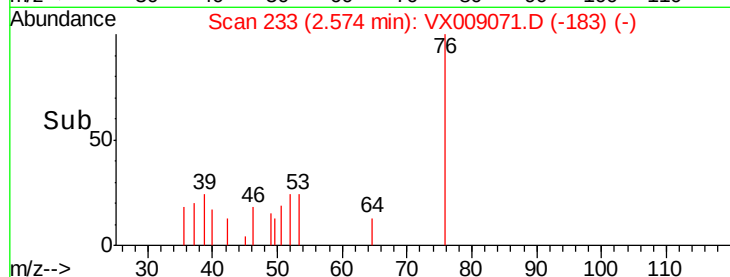
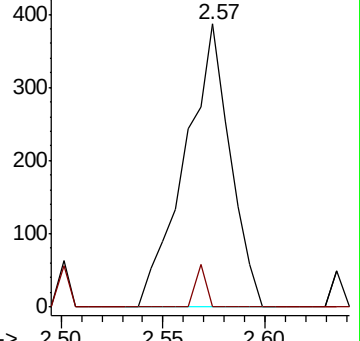
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.552 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

Tgt Ion: 84 Resp: 1648

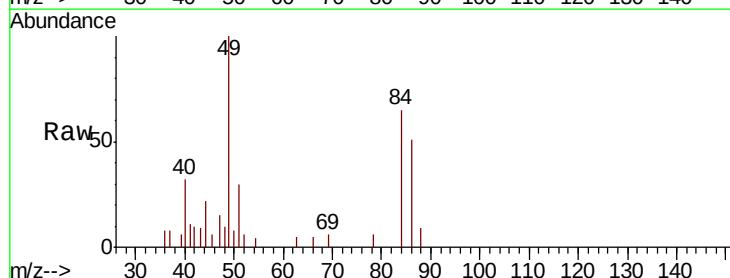
Ion Ratio Lower Upper

84 100

49 154.0 115.4 173.0

51 46.0 35.8 53.6

86 78.2 52.1 78.1#

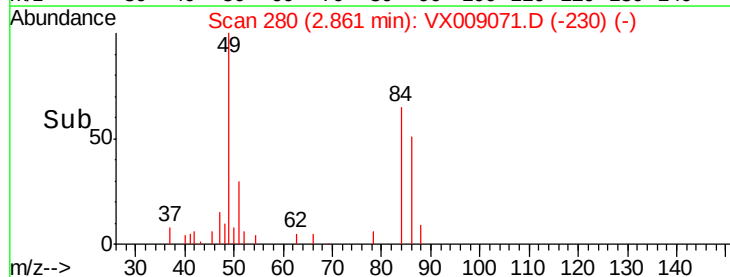
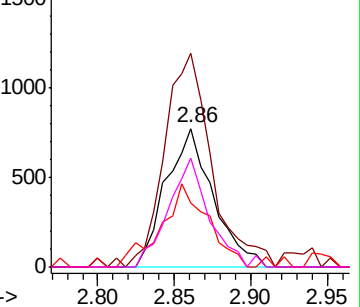


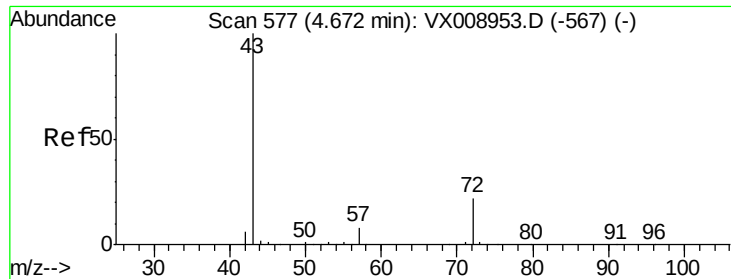
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.240 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

Instrument :

MSVOA_X

ClientSampled :

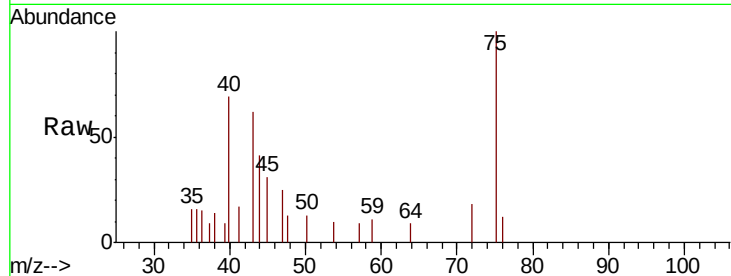
TRIP-BLANK

Tot Ion: 43 Resp: 669

Ion Ratio Lower Upper

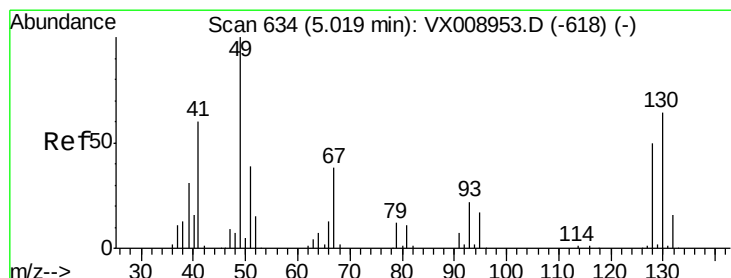
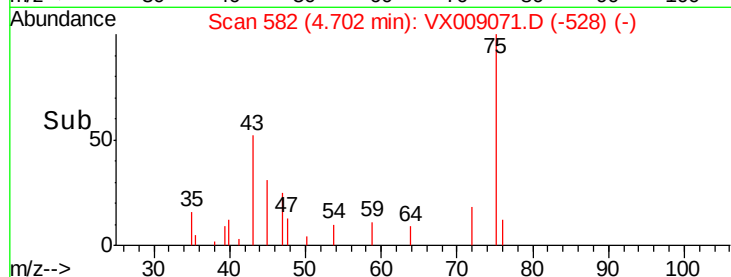
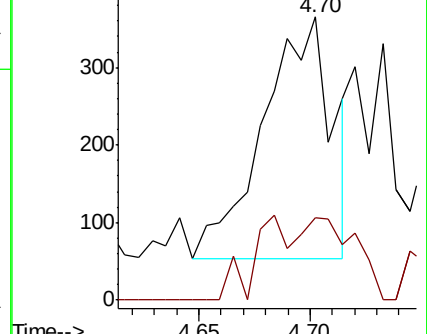
43 100

72 34.1 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 4.98 min Scan# 627

Delta R.T. -0.04 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

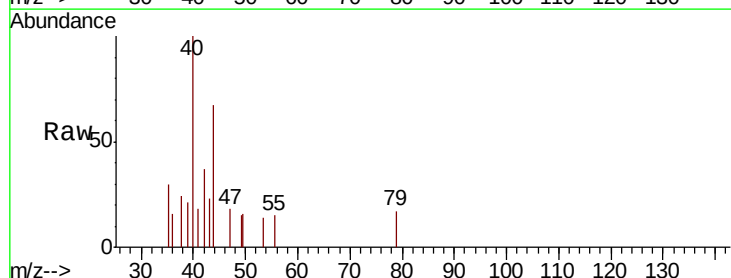
Tgt Ion: 49 Resp: 41

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

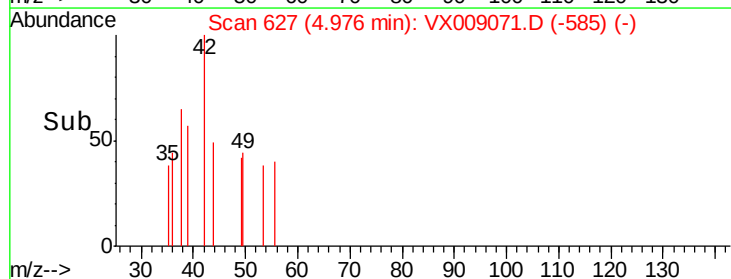
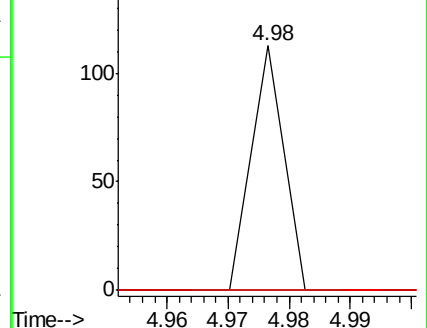
130 0.0 50.4 75.6#

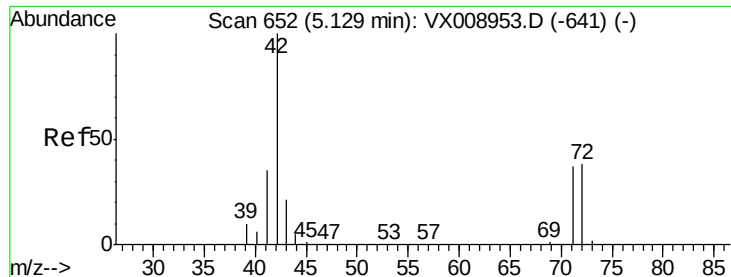


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.924 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

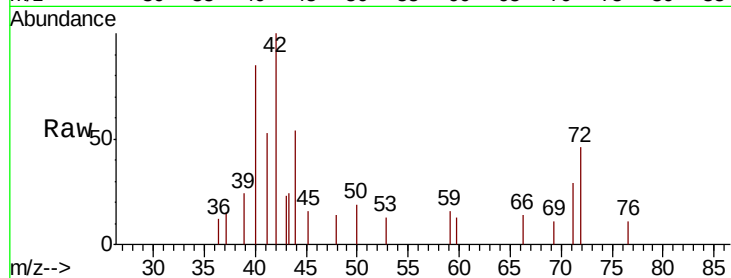
Tot Ion: 42 Resp: 1727

Ion Ratio Lower Upper

42 100

72 45.1 30.6 45.8

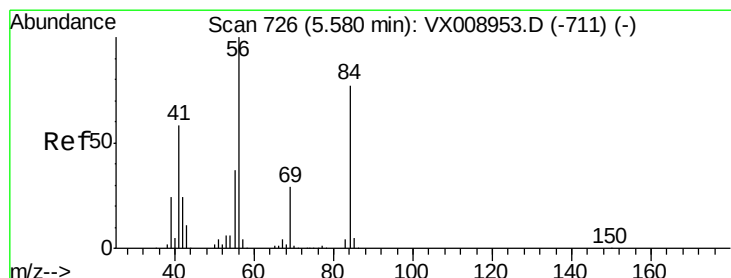
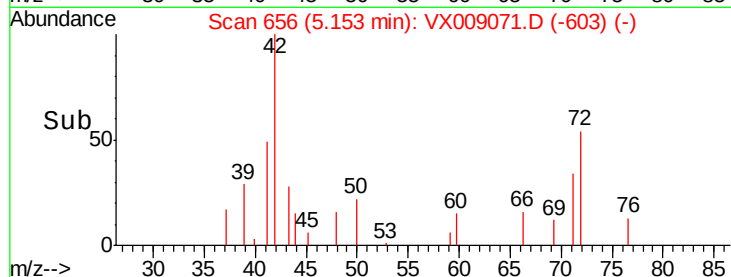
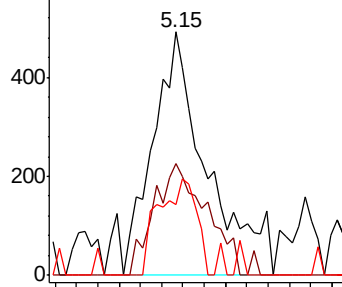
71 27.9 28.8 43.2#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

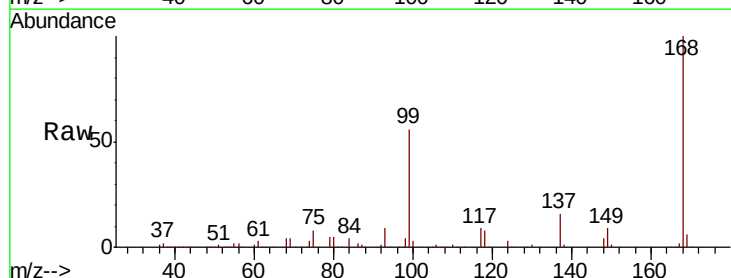
Tgt Ion: 56 Resp: 5432

Ion Ratio Lower Upper

56 100

69 172.1 23.3 34.9#

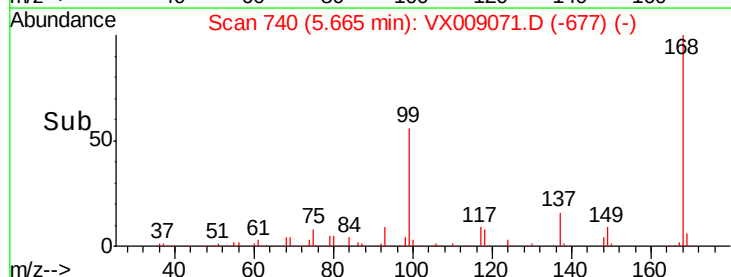
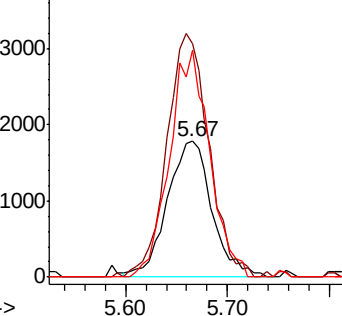
84 167.3 61.7 92.5#

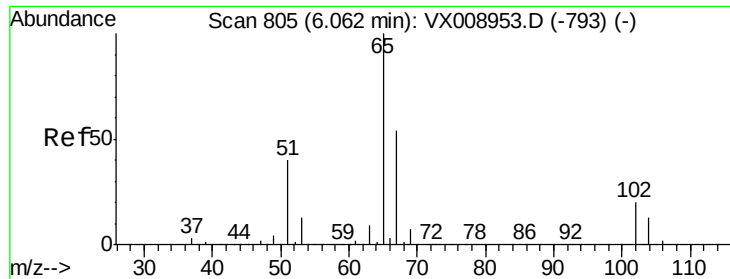


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

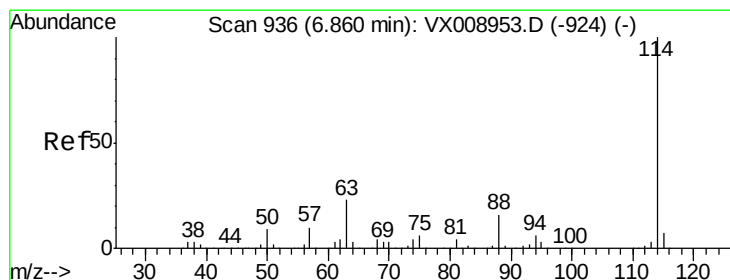
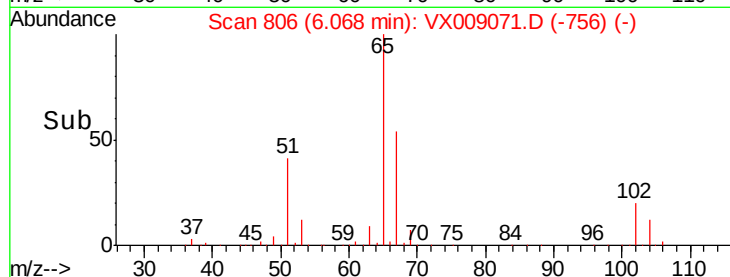
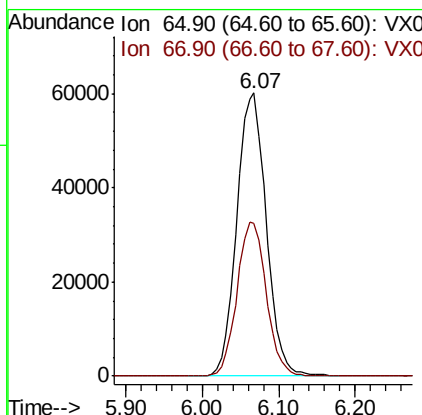
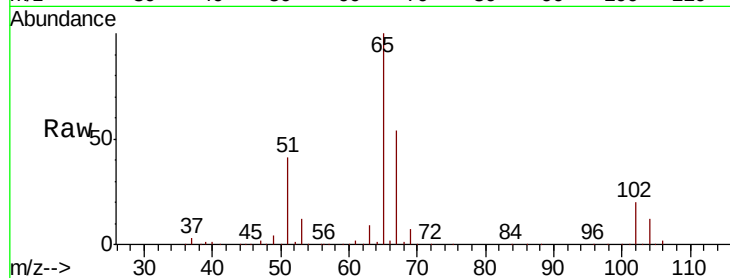




#33
 1,2-Dichloroethane-d4
 Concen: 47.681 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009071.D
 Acq: 19 Apr 2019 15:30

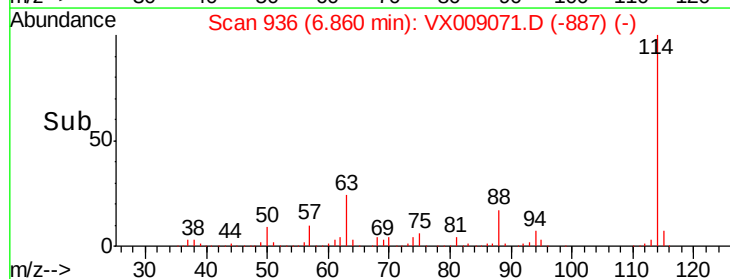
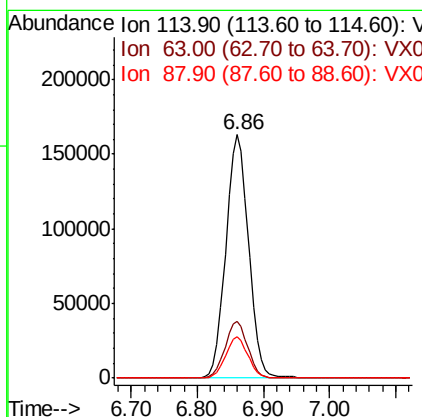
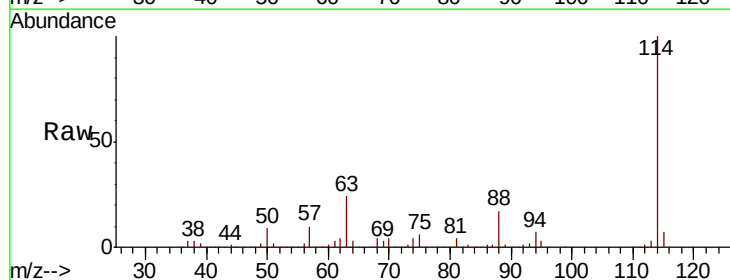
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

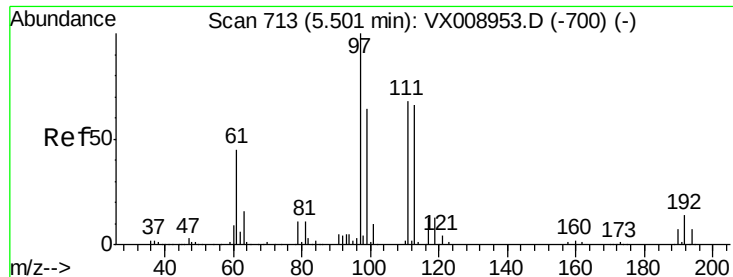
Tot Ion: 65 Resp: 160647
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009071.D
 Acq: 19 Apr 2019 15:30

Tgt Ion:114 Resp: 388345
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.0
 88 17.1 0.0 32.6

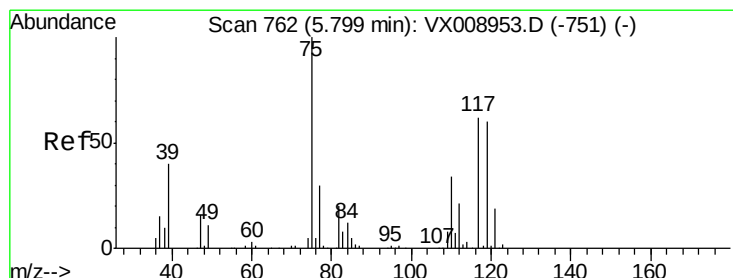
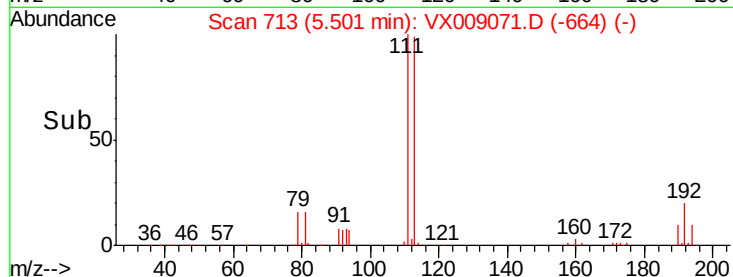
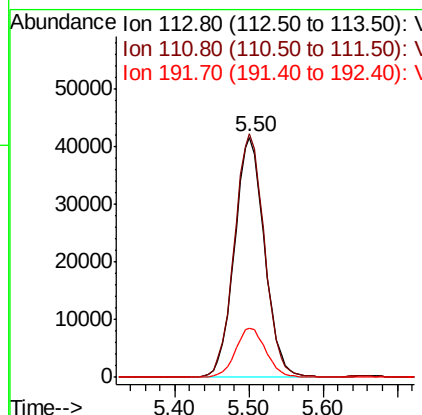
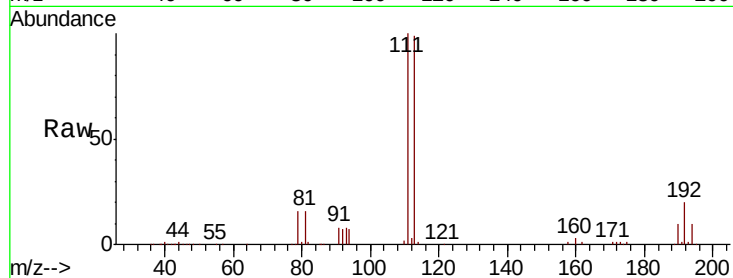




#35
 Dibromofluoromethane
 Concen: 47.221 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX009071.D
 Acq: 19 Apr 2019 15:30

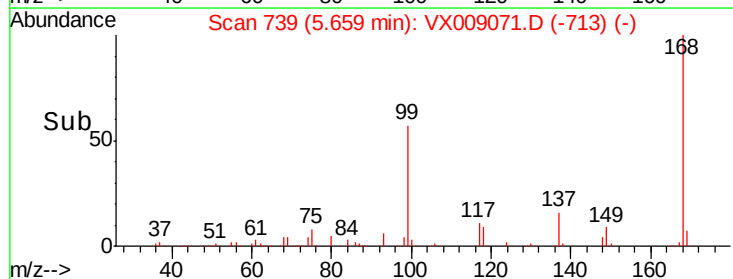
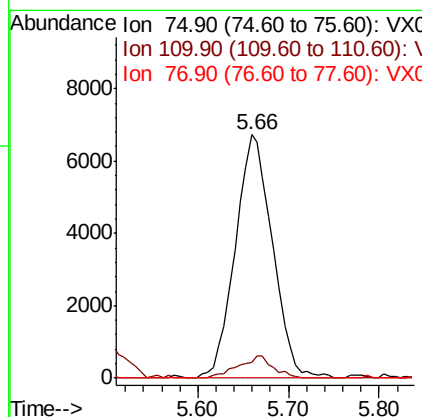
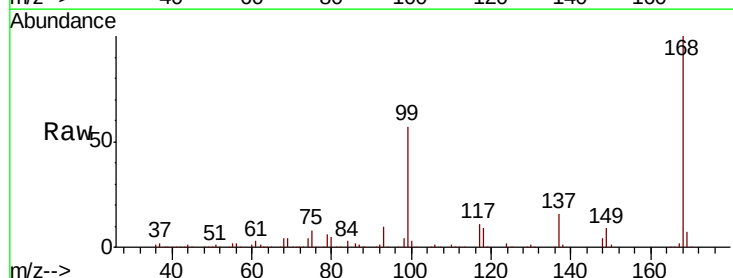
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

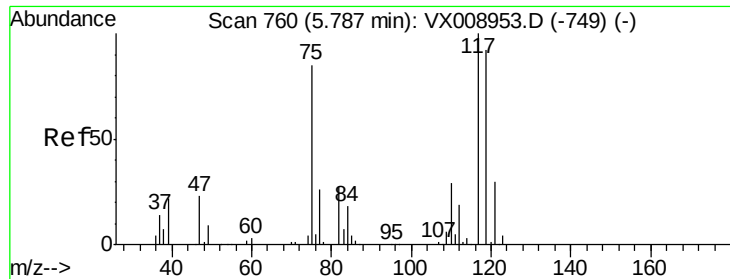
Tot Ion:113 Resp: 117688
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 20.7 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.756 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009071.D
 Acq: 19 Apr 2019 15:30

Tgt Ion: 75 Resp: 19102
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.7#
 77 0.0 25.0 37.4#

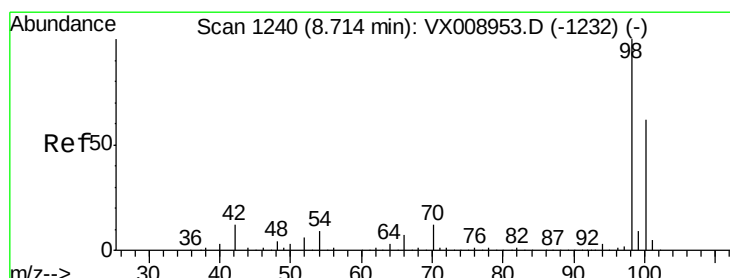
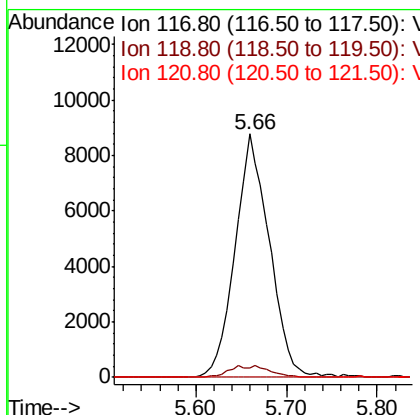
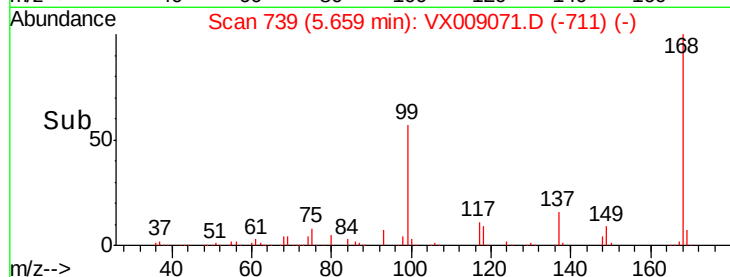
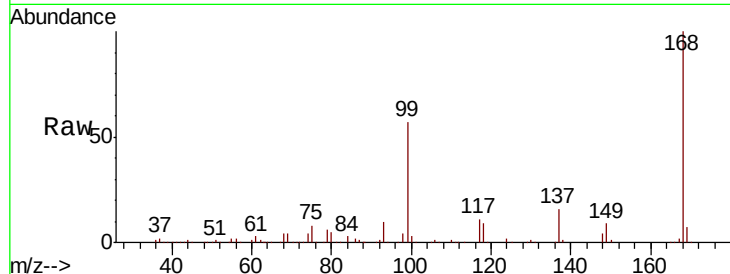




#38
Carbon Tetrachloride
Concen: 6.747 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009071.D
Acq: 19 Apr 2019 15:30

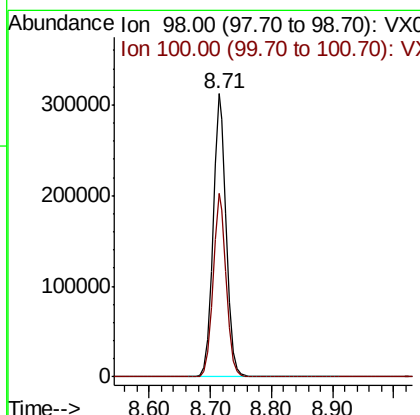
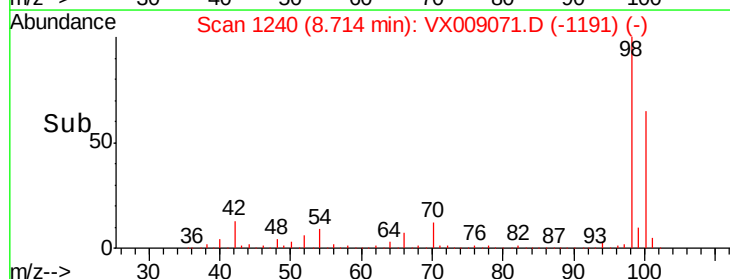
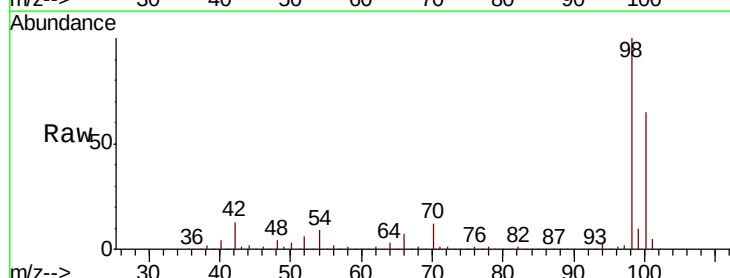
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

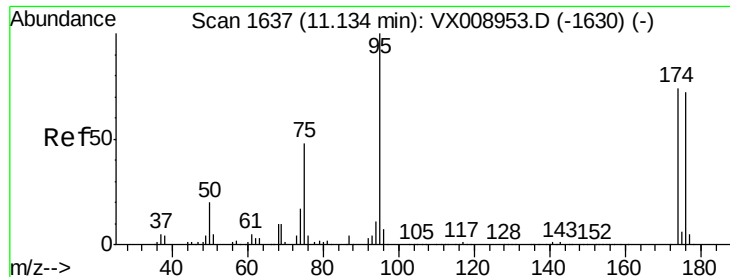
Tot Ion:117 Resp: 22974
Ion Ratio Lower Upper
117 100
119 3.8 73.8 110.8#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 48.392 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009071.D
Acq: 19 Apr 2019 15:30

Tgt Ion: 98 Resp: 480993
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 44.940 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

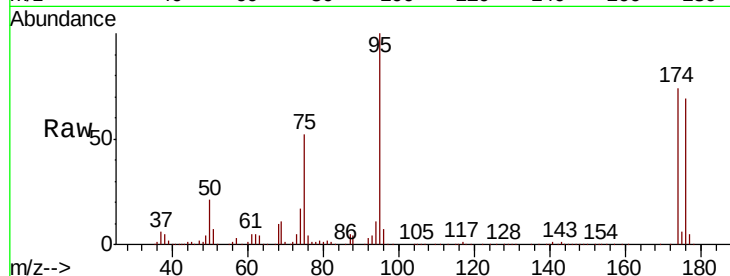
Tot Ion: 95 Resp: 157677

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

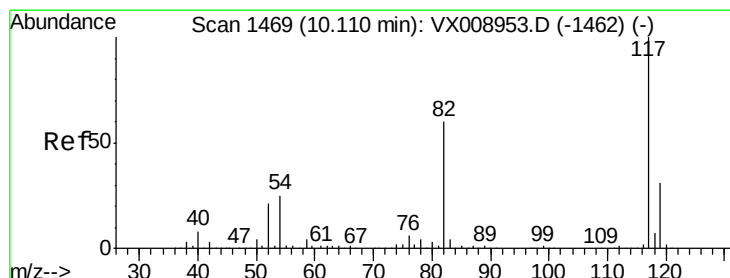
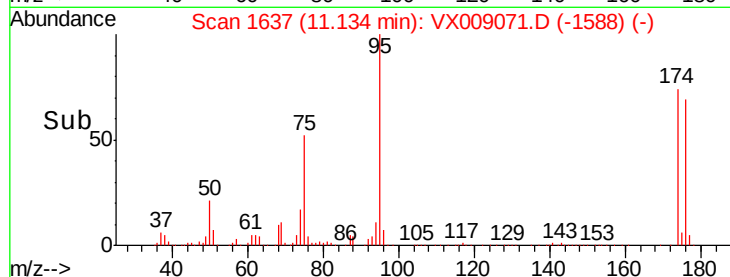
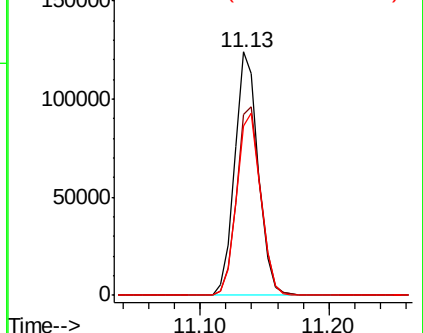
176 76.7 0.0 154.8



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

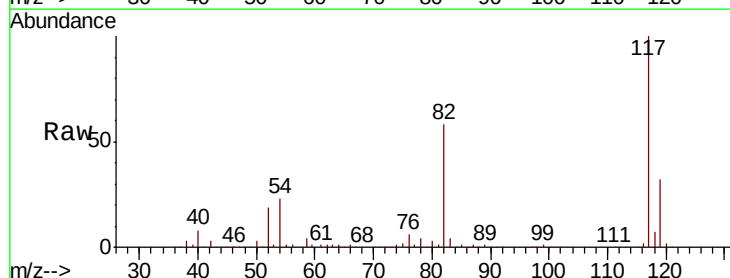
Tgt Ion: 117 Resp: 336293

Ion Ratio Lower Upper

117 100

82 57.7 48.2 72.4

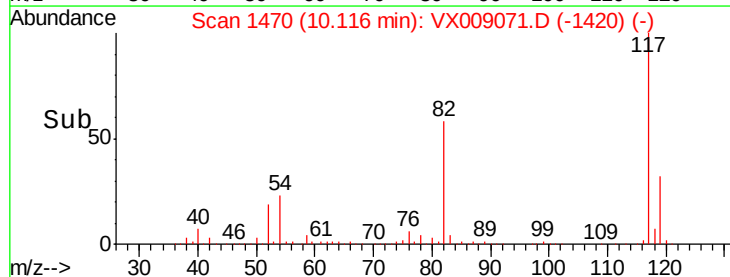
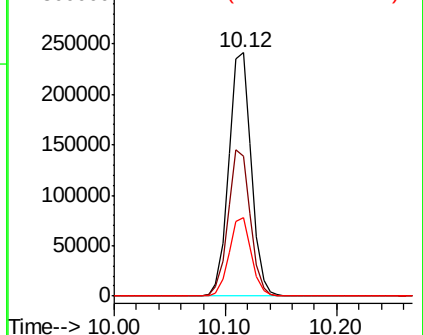
119 32.0 25.0 37.6

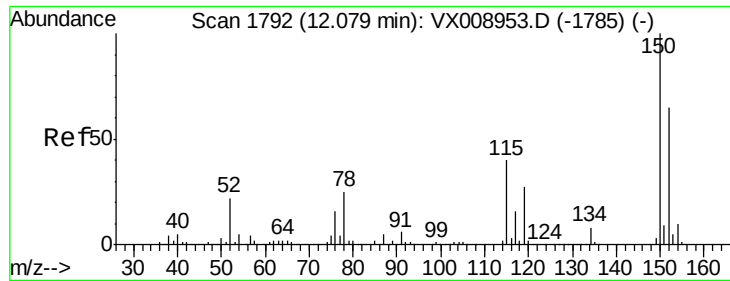


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



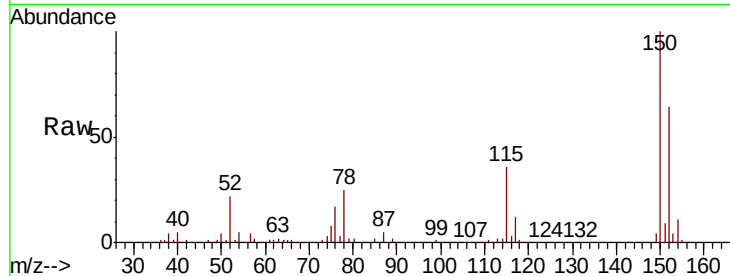


#72

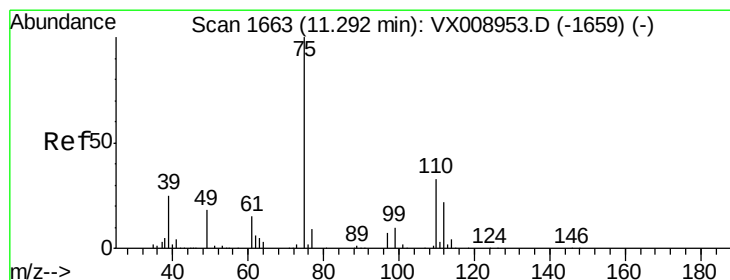
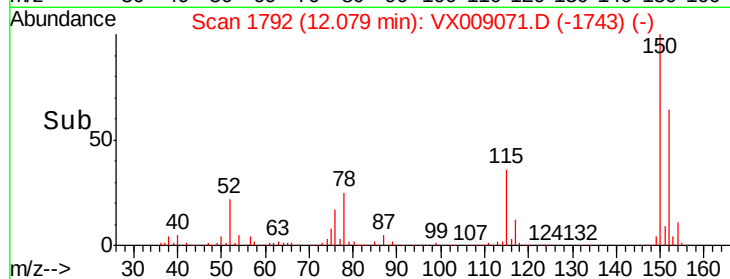
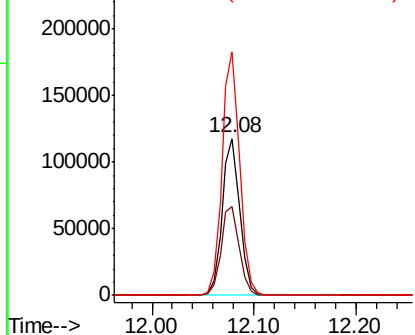
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009071.D
Acq: 19 Apr 2019 15:30

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:152 Resp: 140867
Ion Ratio Lower Upper
152 100
115 58.9 41.4 124.2
150 156.0 0.0 349.8



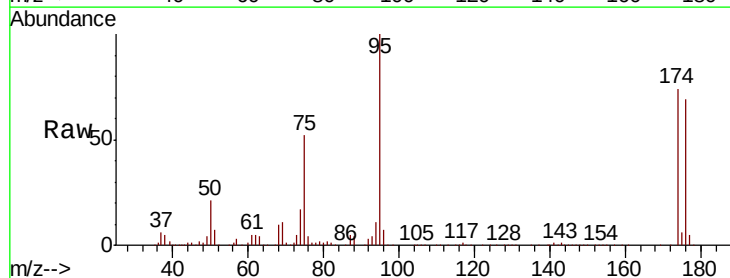
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



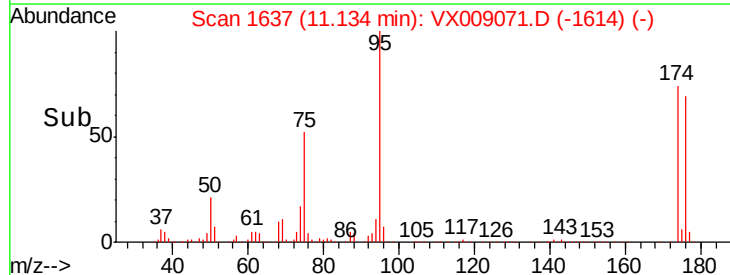
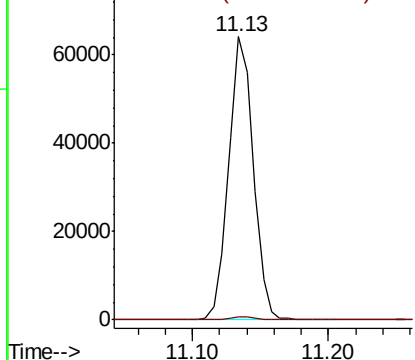
#76

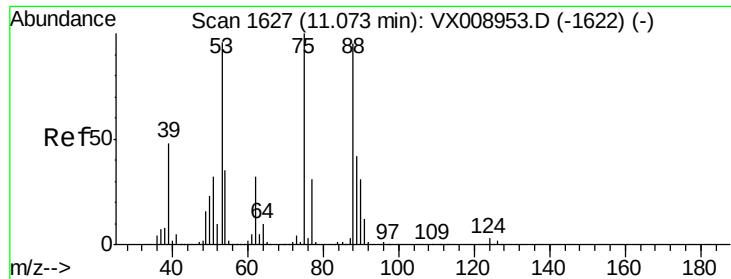
1,2,3-Trichloropropane
Concen: 23.560 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009071.D
Acq: 19 Apr 2019 15:30

Tgt Ion: 75 Resp: 81040
Ion Ratio Lower Upper
75 100
77 1.2 22.7 68.0#



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: 60.486 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009071.D

Acq: 19 Apr 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

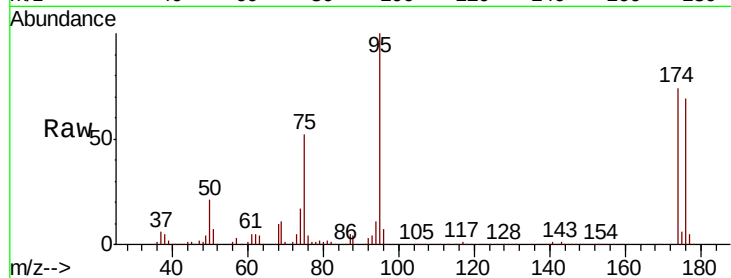
Tot Ion: 75 Resp: 81040

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

