

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012934.D
 Acq On : 09 Oct 2019 11:53
 Operator : JC/SP
 Sample : K5214-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 10 01:35:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	188948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	317473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103377	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	122551	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	5.49	113	95162	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	8.71	98	372470	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.13	95	125487	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	

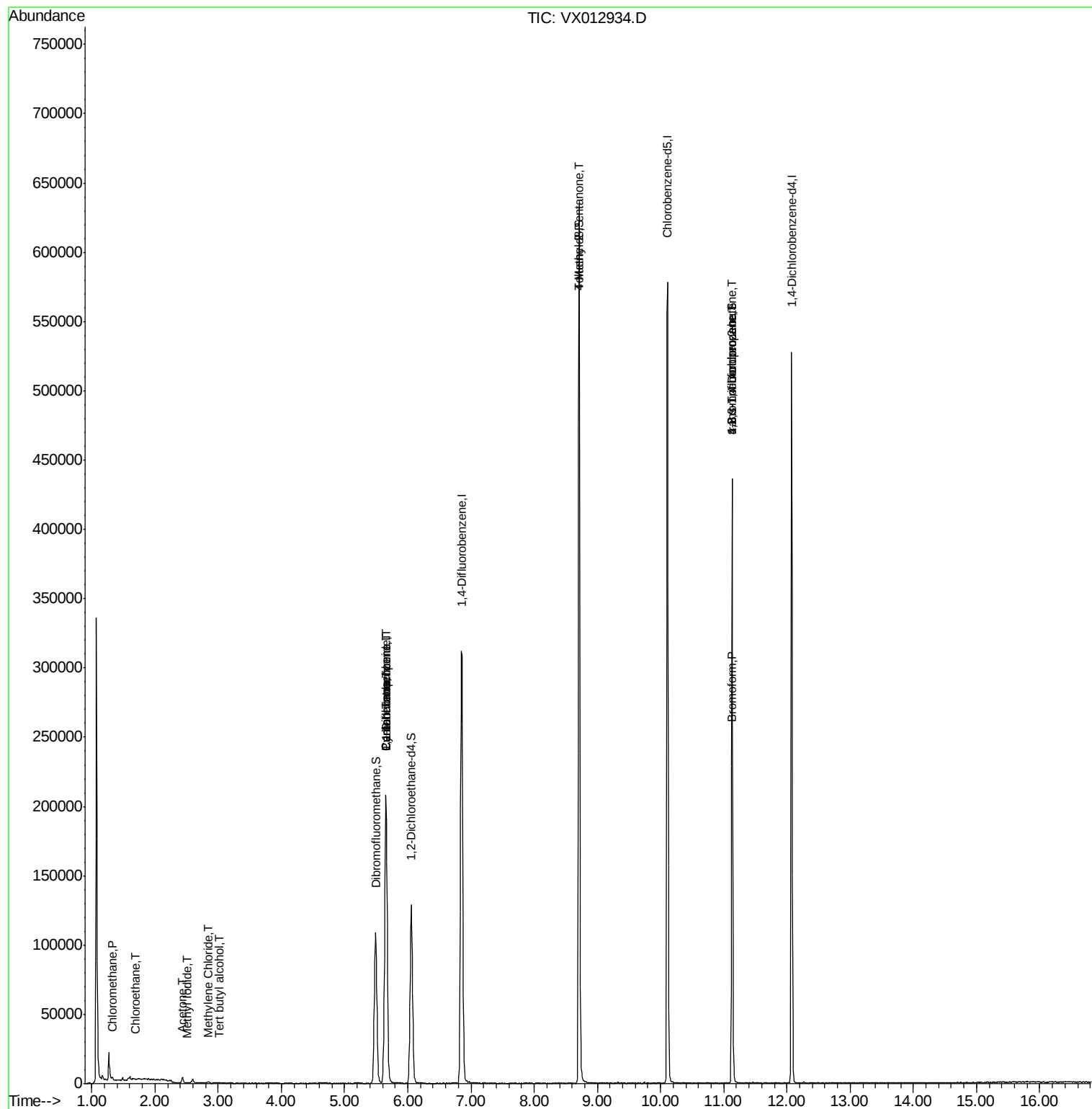
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	840	0.401	ug/l	95
6) Chloroethane	1.69	64	1884	1.783	ug/l #	60
10) Methyl Iodide	2.51	142	252	5.187	ug/l #	86
11) Tert butyl alcohol	3.01	59	570	0.910	ug/l #	72
16) Acetone	2.44	43	4212	3.384	ug/l	100
20) Methylene Chloride	2.84	84	655	0.286	ug/l #	73
31) Cyclohexane	5.65	56	4105	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14935	5.351	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19669	7.240	ug/l #	18
51) 4-Methyl-2-Pentanone	8.71	43	1481	0.474	ug/l #	1
71) Bromoform	11.12	173	35	3.154	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	63362	27.634	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	63362	69.340	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

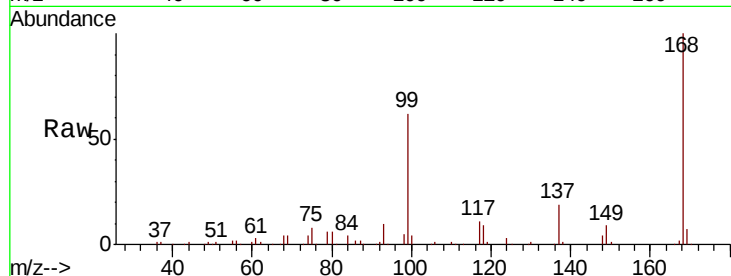
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 188948

Ion Ratio Lower Upper

168 100

99 61.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

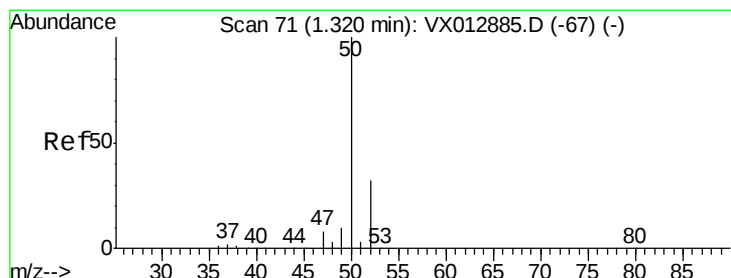
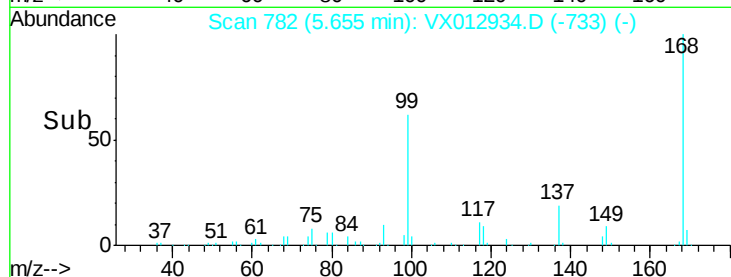
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.401 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012934.D

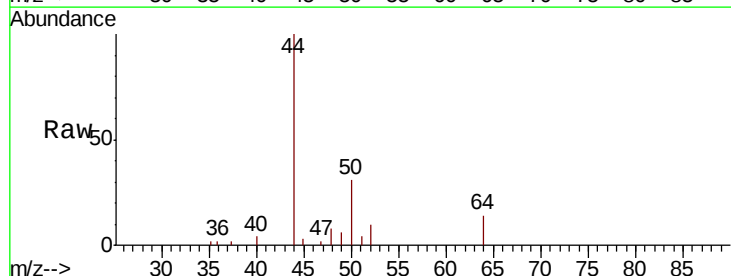
Acq: 09 Oct 2019 11:53

Tgt Ion: 50 Resp: 840

Ion Ratio Lower Upper

50 100

52 34.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

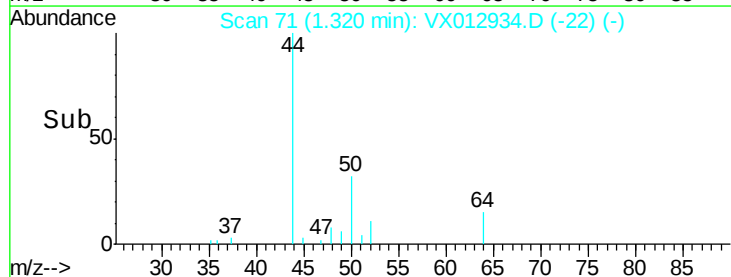
600

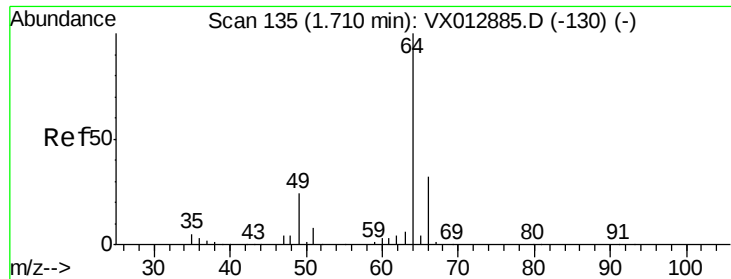
400

200

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 1.783 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

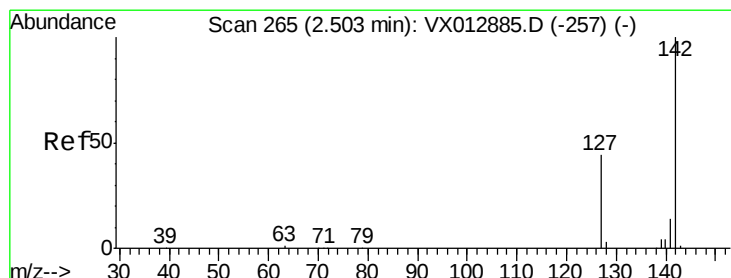
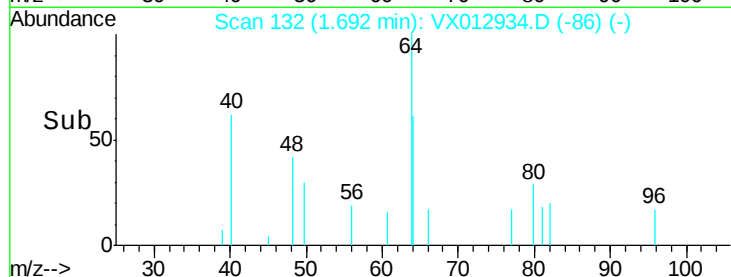
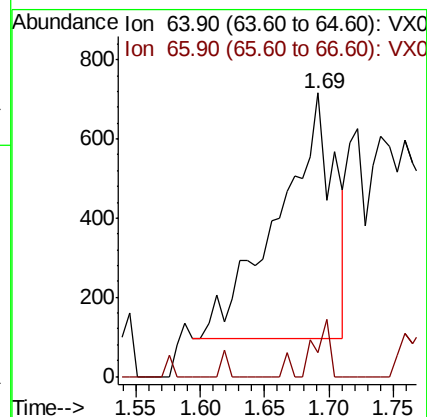
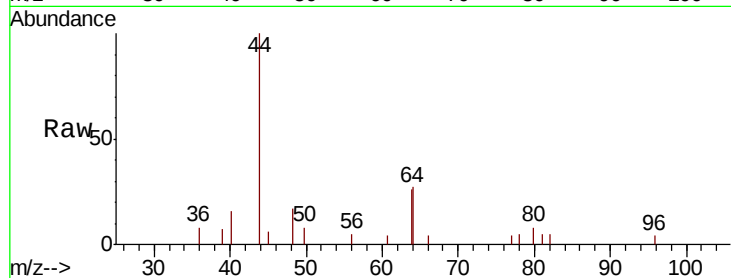
STORAGE-BLANK-WATER-REF-4

Tot Ion: 64 Resp: 1884

Ion Ratio Lower Upper

64 100

66 9.8 25.6 38.4#



#10

Methyl Iodide

Concen: 5.187 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

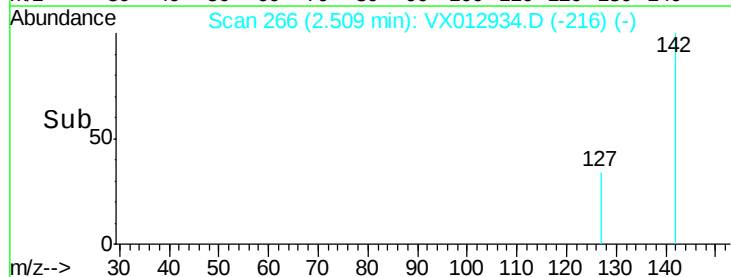
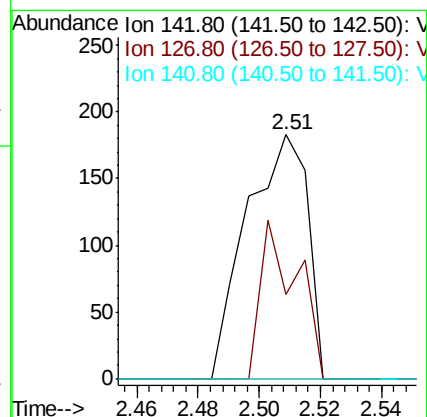
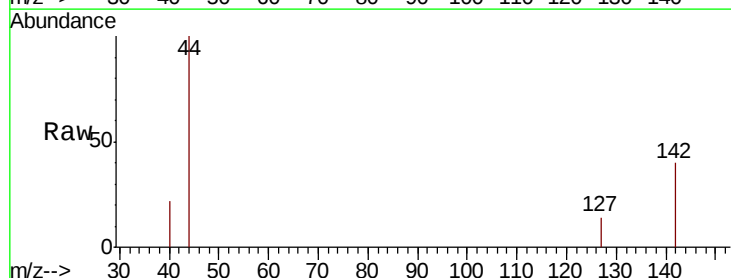
Tgt Ion: 142 Resp: 252

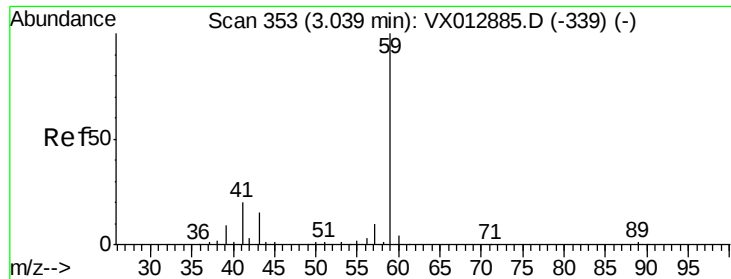
Ion Ratio Lower Upper

142 100

127 39.3 34.9 52.3

141 0.0 11.6 17.4#

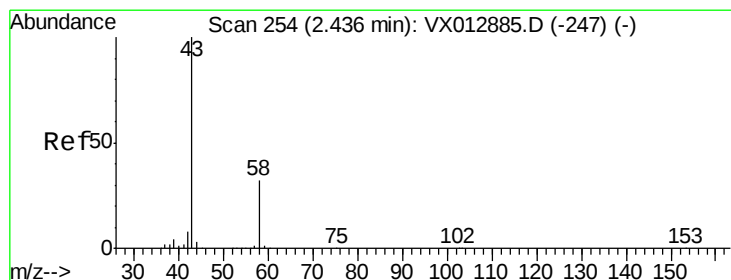
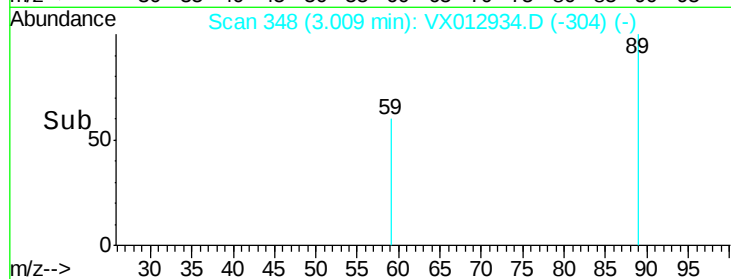
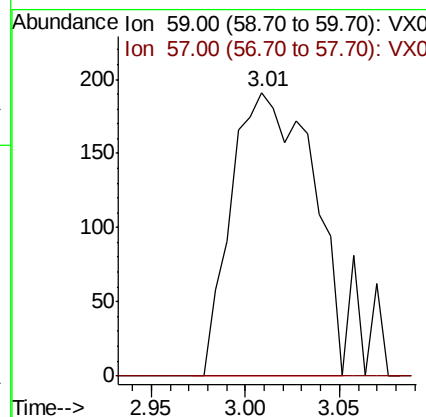
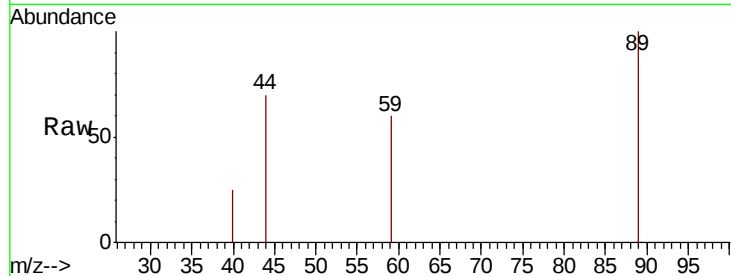




#11
Tert butyl alcohol
Concen: 0.910 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012934.D
Acq: 09 Oct 2019 11:53

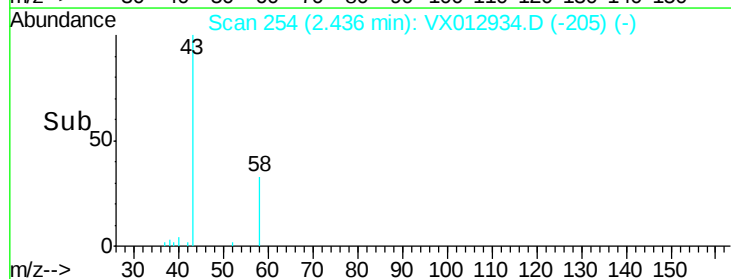
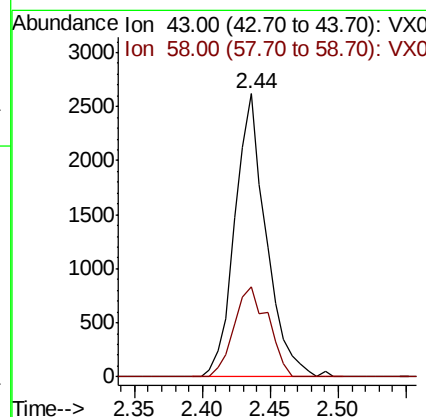
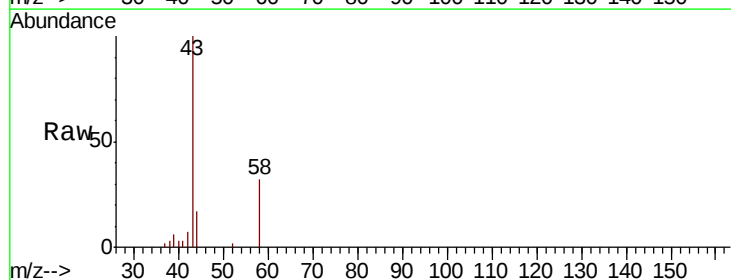
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

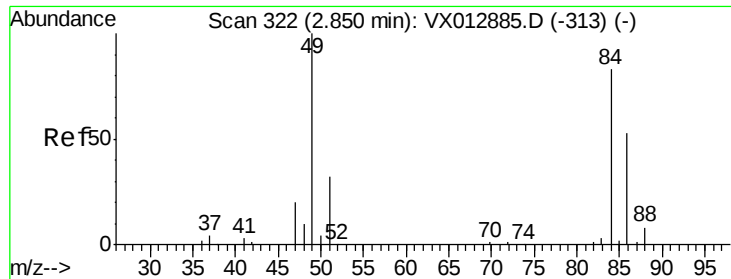
Tot Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.384 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX012934.D
Acq: 09 Oct 2019 11:53

Tgt Ion: 43 Resp: 4212
Ion Ratio Lower Upper
43 100
58 32.0 25.4 38.2

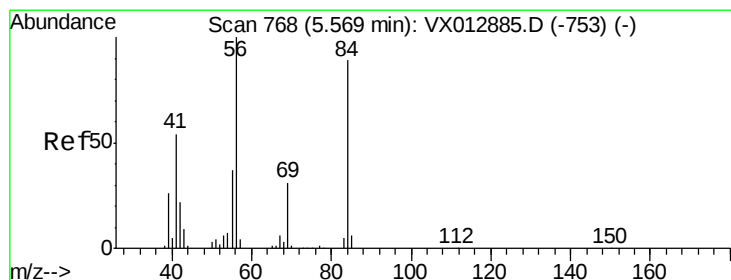
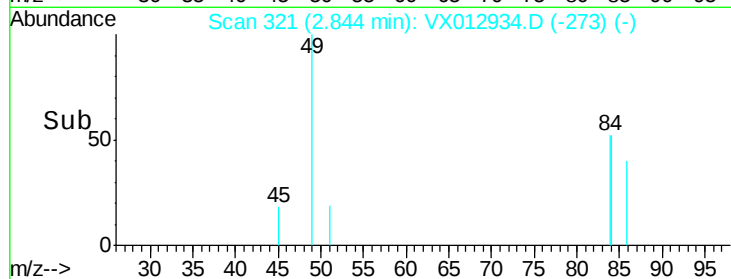
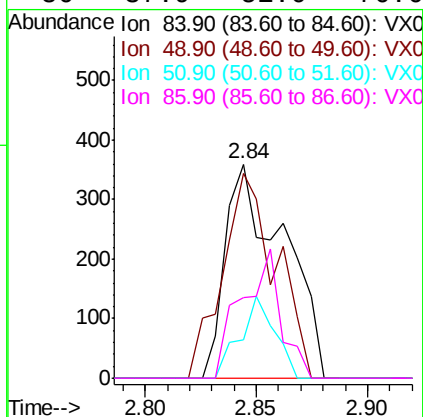
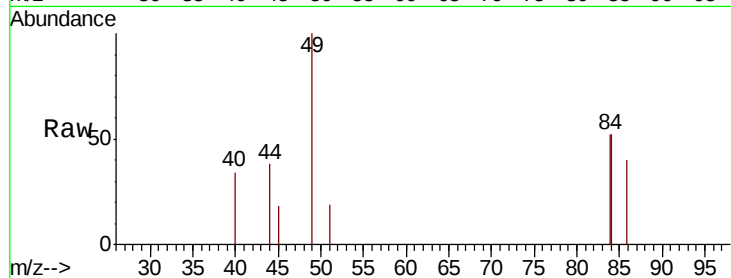




#20
Methvlene Chloride
Concen: 0.286 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012934.D
Acq: 09 Oct 2019 11:53

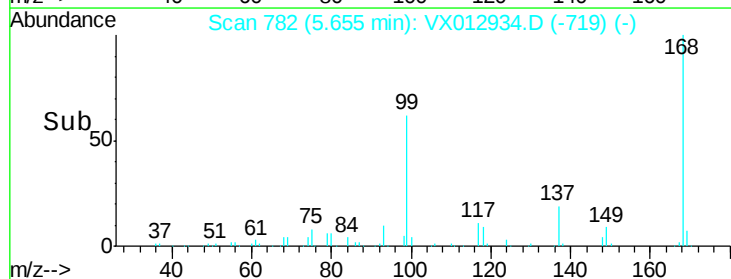
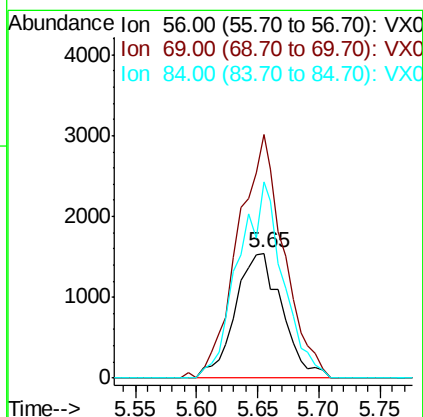
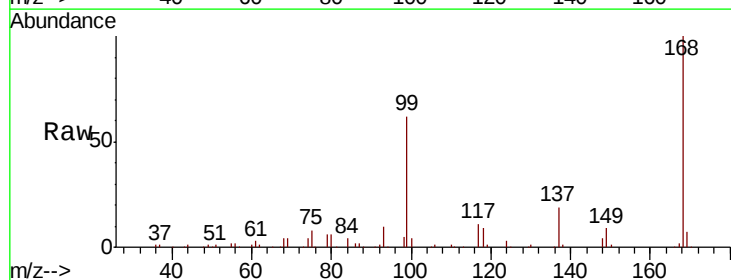
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

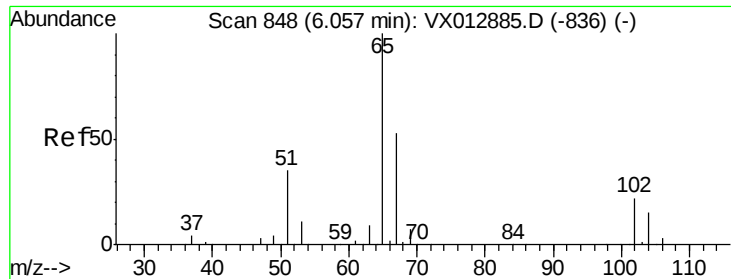
Tot Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 95.8 96.6 144.8#
51 17.8 30.7 46.1#
86 37.9 51.0 76.6#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012934.D
Acq: 09 Oct 2019 11:53

Tgt Ion: 56 Resp: 4105
Ion Ratio Lower Upper
56 100
69 195.4 25.2 37.8#
84 157.7 71.3 106.9#

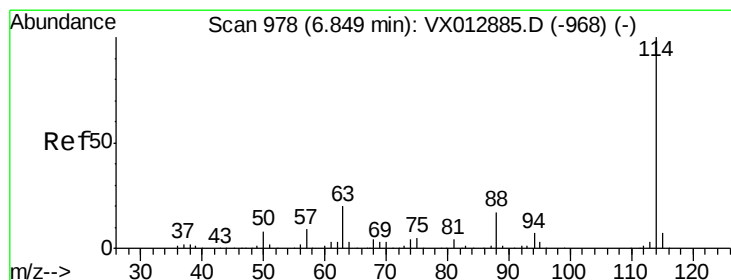
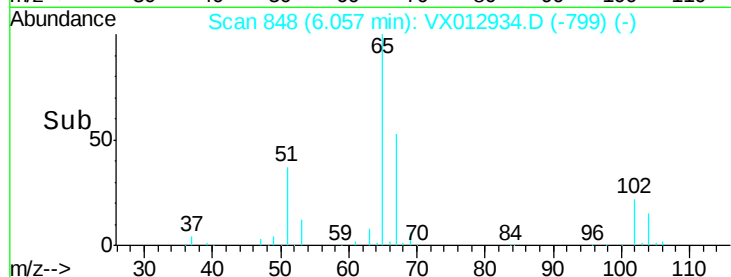
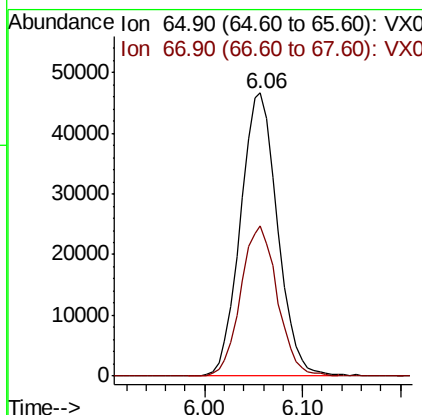
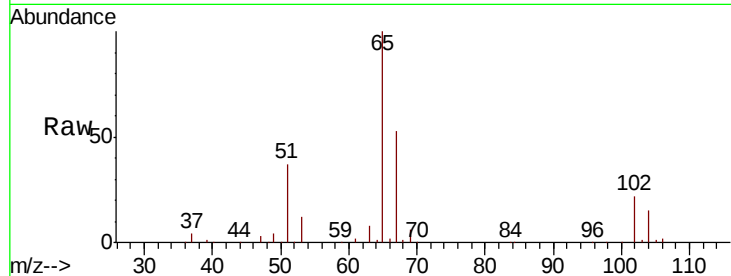




#33
 1,2-Dichloroethane-d4
 Concen: 51.893 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX012934.D
 Acq: 09 Oct 2019 11:53

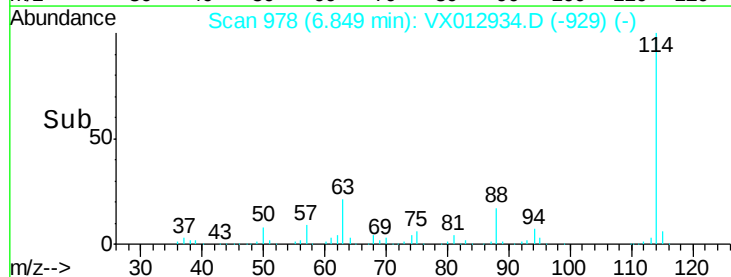
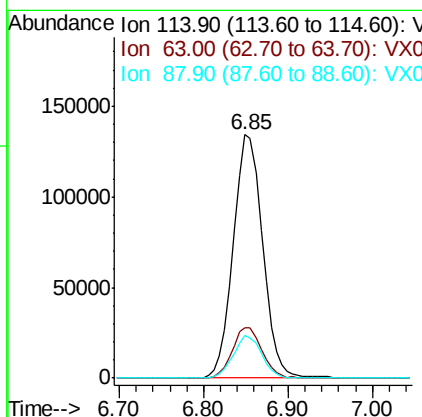
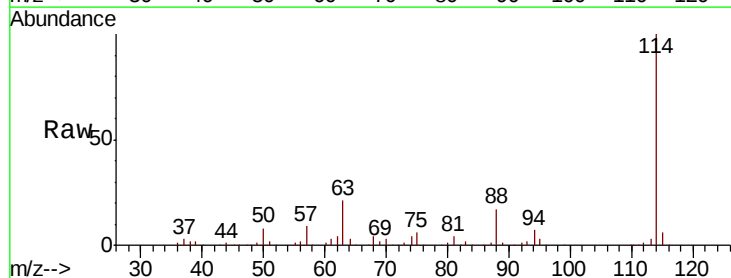
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

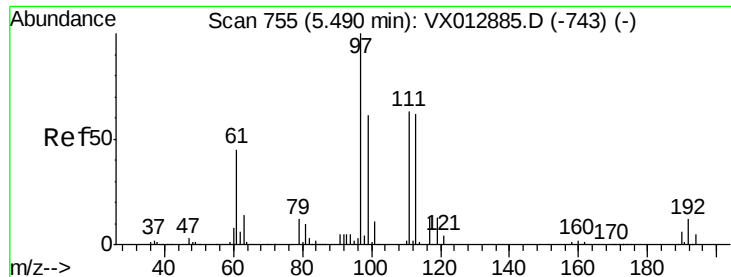
Tot Ion: 65 Resp: 122551
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012934.D
 Acq: 09 Oct 2019 11:53

Tgt Ion: 114 Resp: 317473
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 17.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.226 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

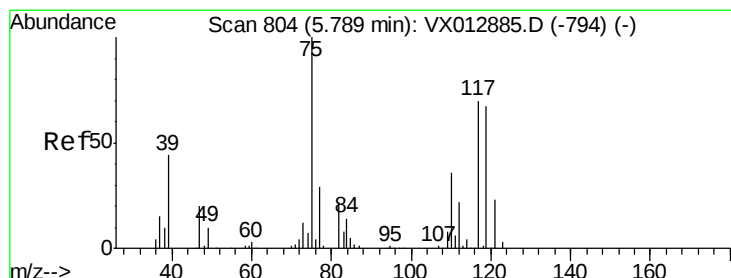
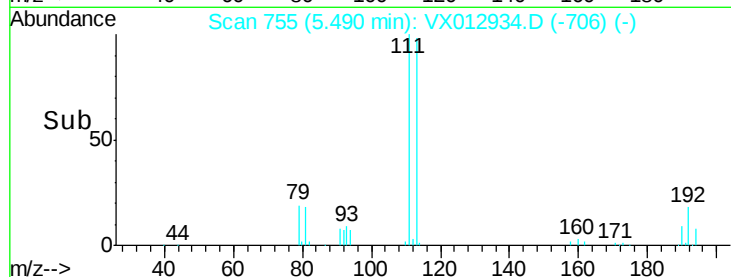
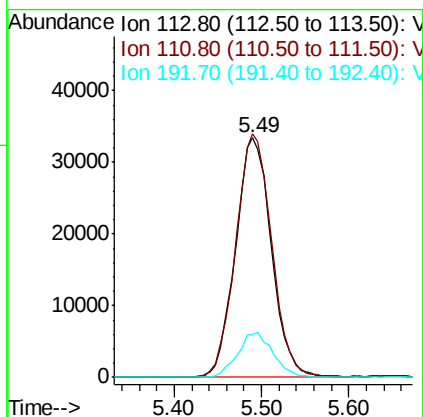
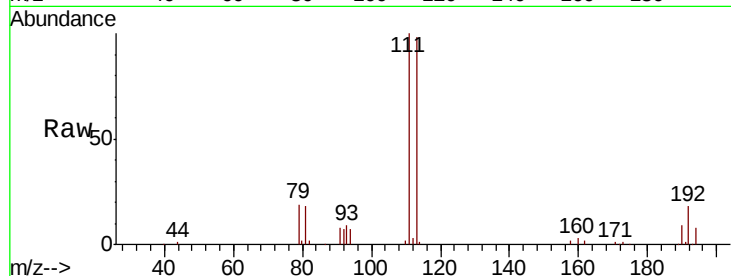
Tot Ion:113 Resp: 95162

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

192 18.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.351 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

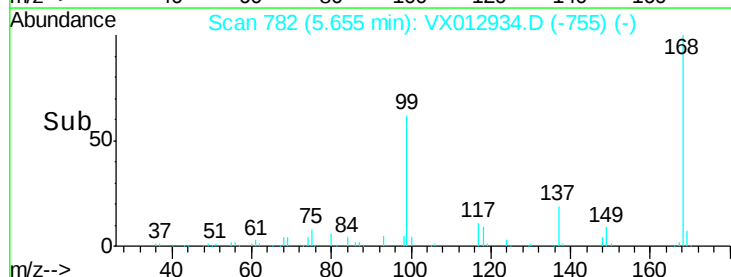
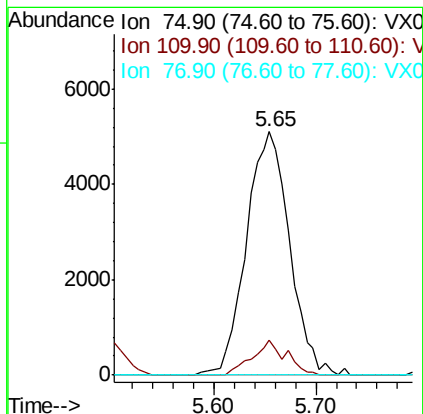
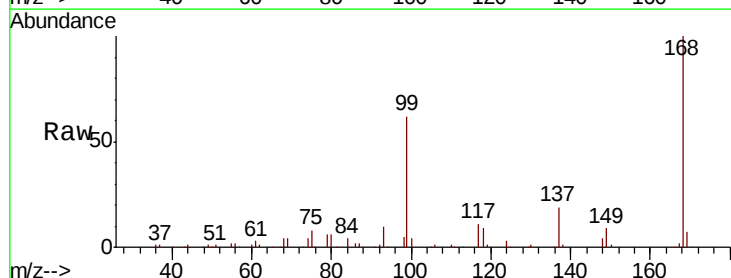
Tgt Ion: 75 Resp: 14935

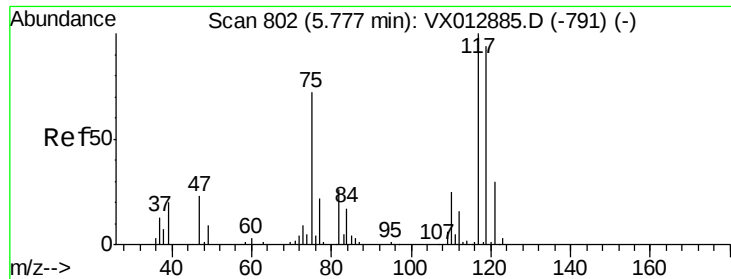
Ion Ratio Lower Upper

75 100

110 11.3 17.6 52.9#

77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.240 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

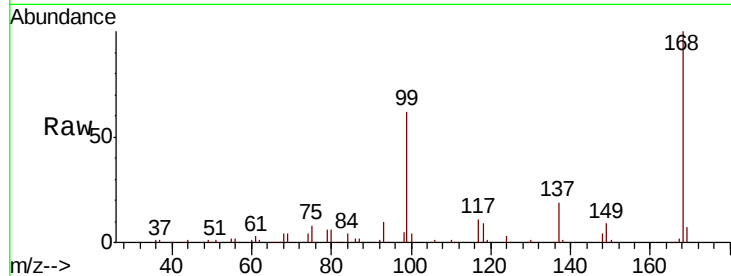
Tot Ion:117 Resp: 19669

Ion Ratio Lower Upper

117 100

119 5.7 74.5 111.7#

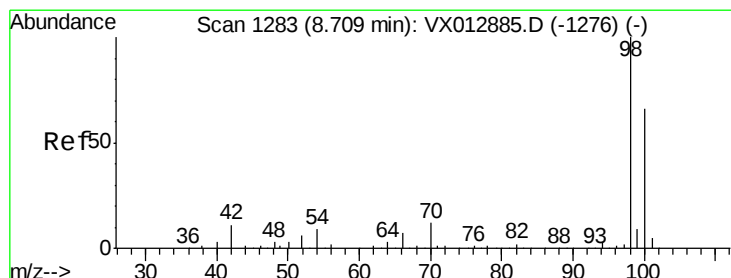
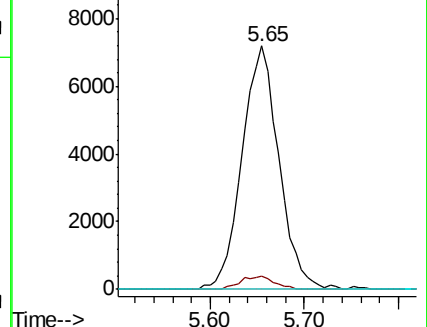
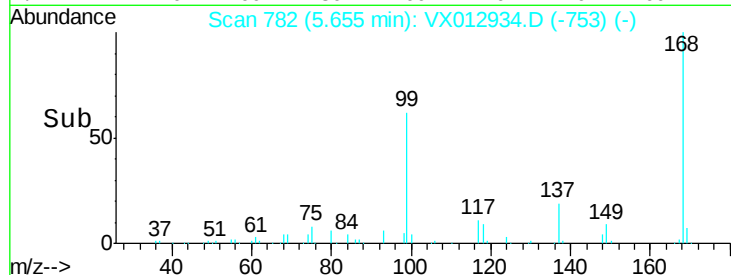
121 0.0 24.2 36.4#



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: 52.411 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012934.D

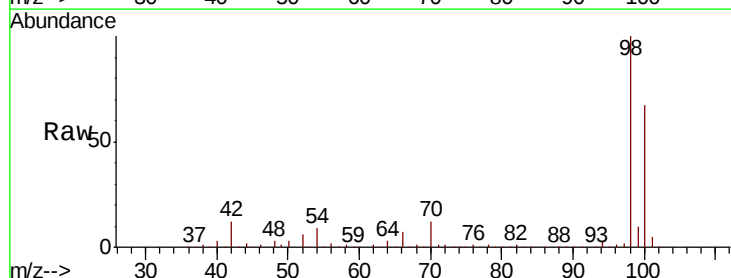
Acq: 09 Oct 2019 11:53

Tgt Ion: 98 Resp: 372470

Ion Ratio Lower Upper

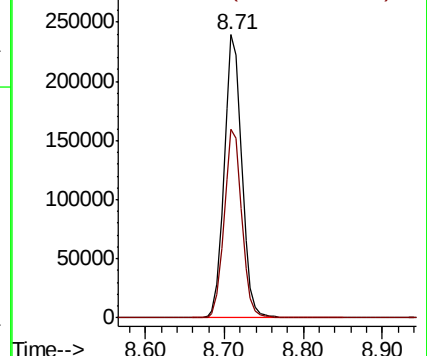
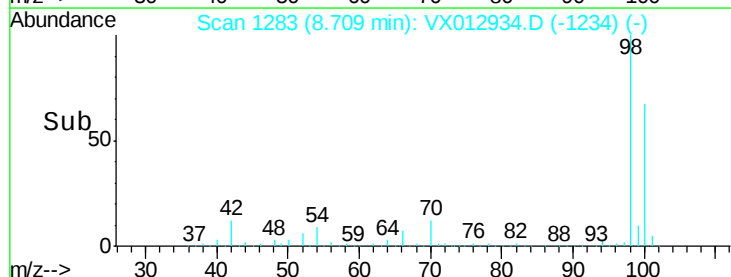
98 100

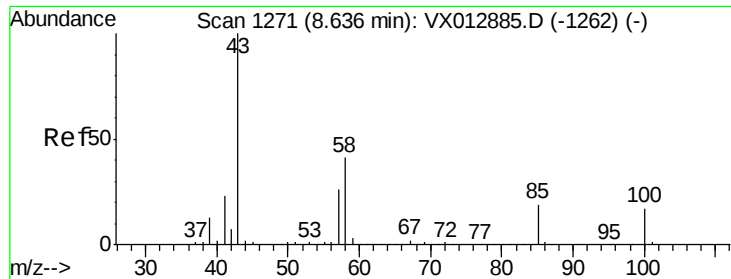
100 66.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.474 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

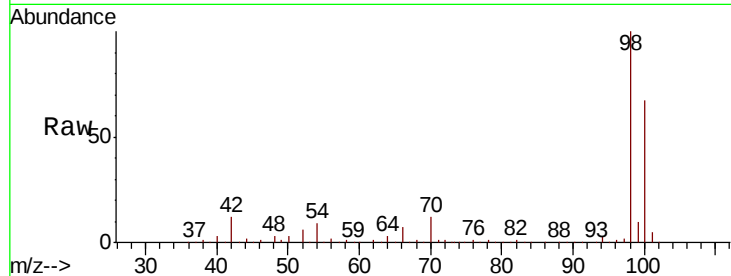
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 1481

Ion Ratio Lower Upper

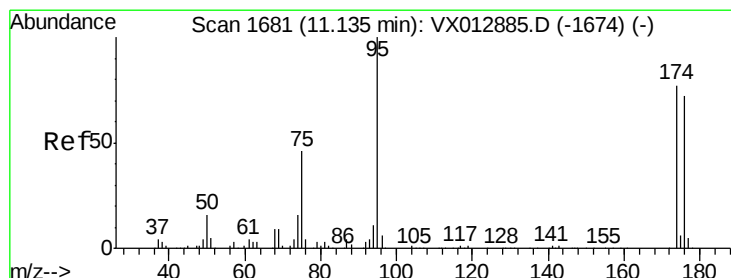
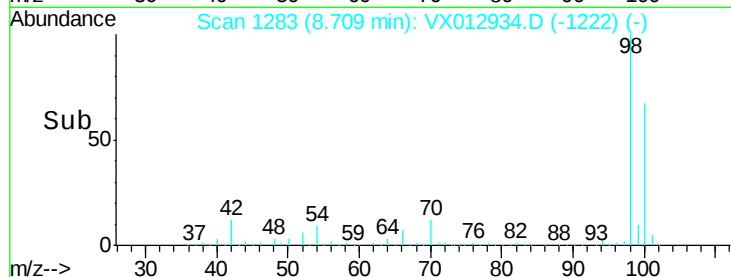
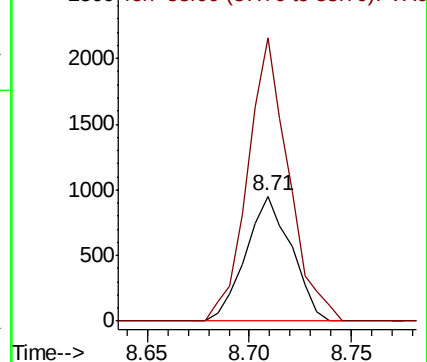
43 100

58 203.8 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.444 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

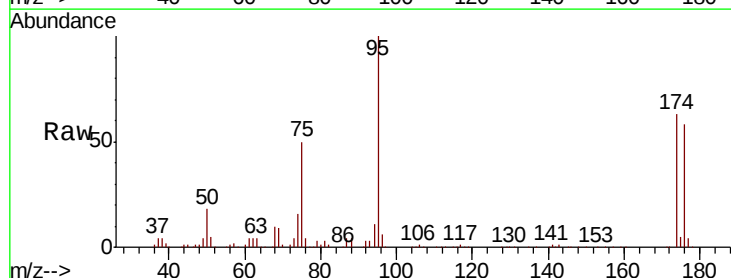
Tgt Ion: 95 Resp: 125487

Ion Ratio Lower Upper

95 100

174 71.2 0.0 143.4

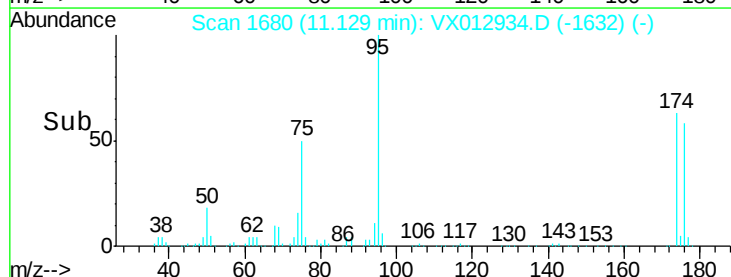
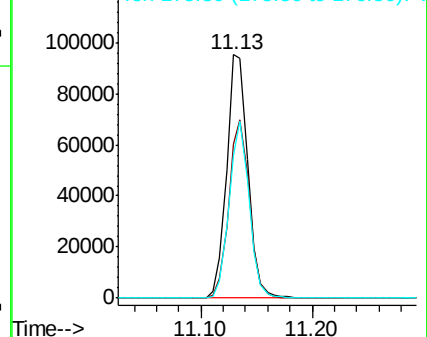
176 68.5 0.0 136.0

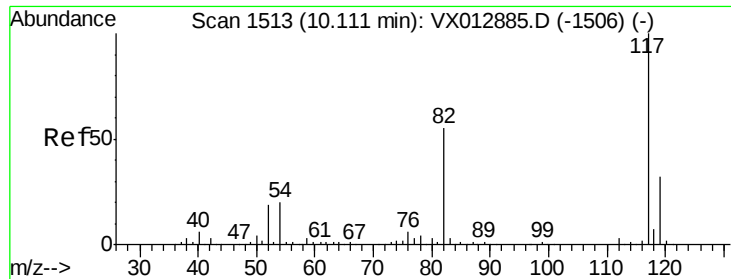


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

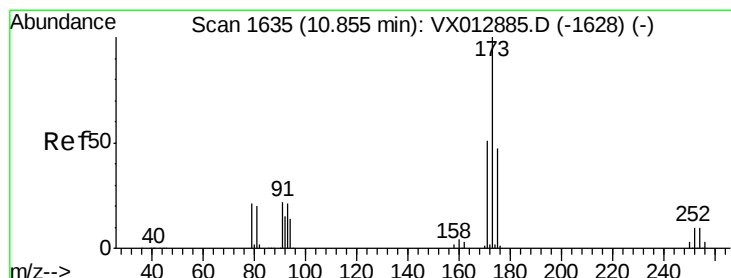
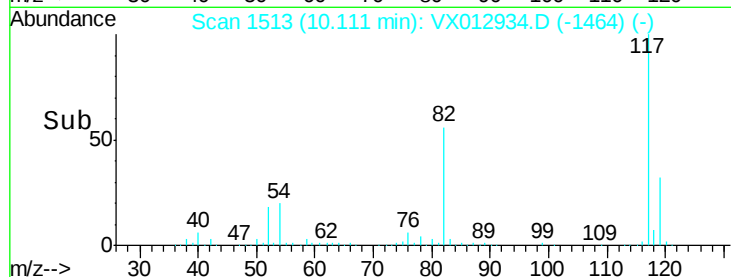
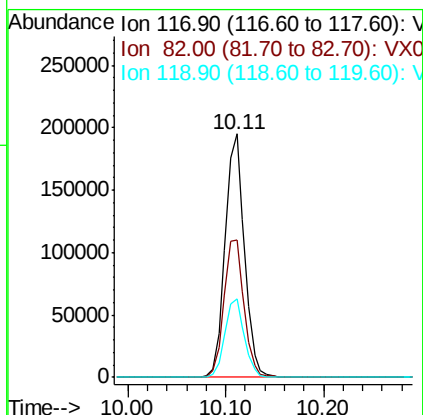
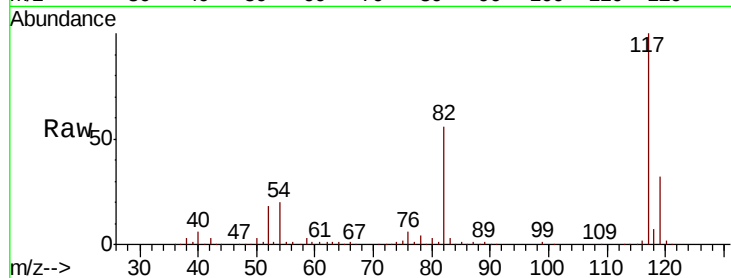




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012934.D
Acq: 09 Oct 2019 11:53

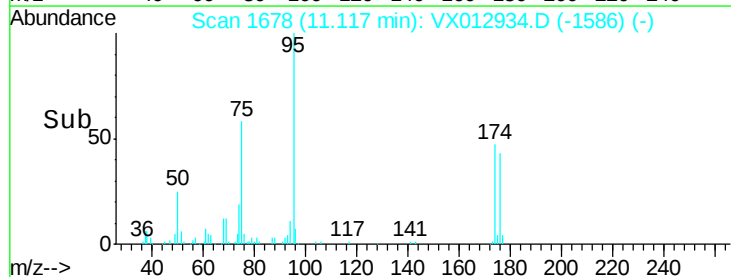
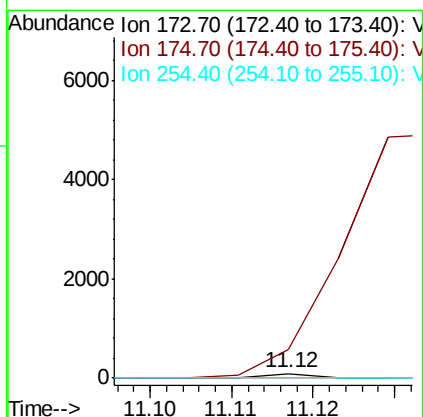
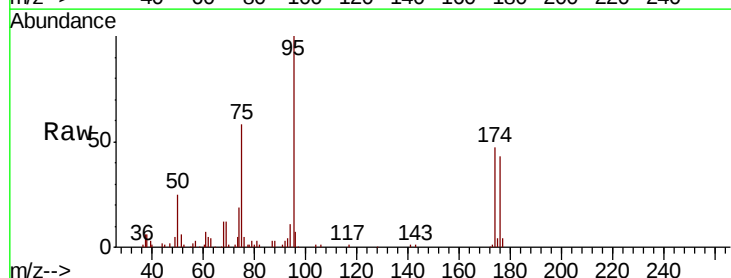
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

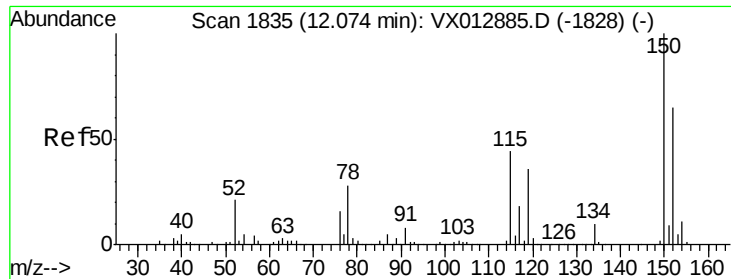
Tot Ion:117 Resp: 268077
Ion Ratio Lower Upper
117 100
82 56.4 44.1 66.1
119 32.1 25.8 38.8



#71
Bromoform
Concen: 3.154 ug/l
RT: 11.12 min Scan# 1678
Delta R.T. 0.26 min
Lab File: VX012934.D
Acq: 09 Oct 2019 11:53

Tgt Ion:173 Resp: 35
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

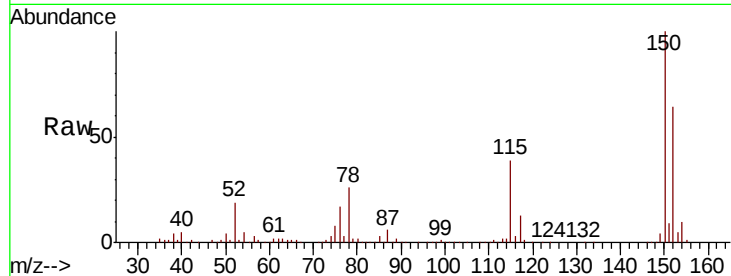
Tot Ion:152 Resp: 103377

Ion Ratio Lower Upper

152 100

115 61.6 44.5 133.5

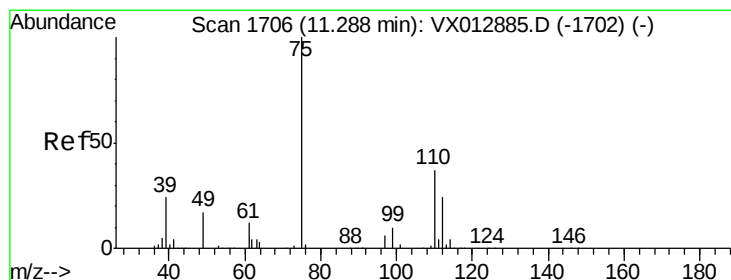
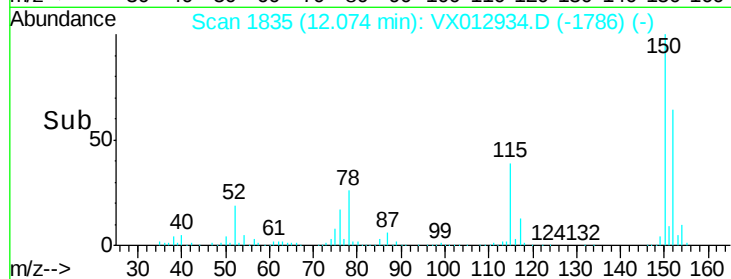
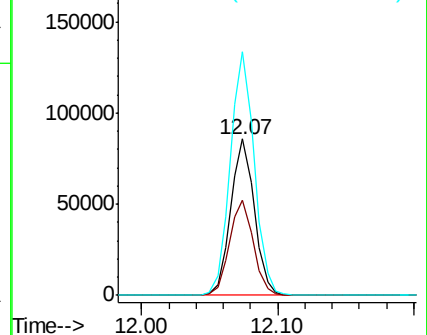
150 158.2 0.0 353.4



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: 27.634 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012934.D

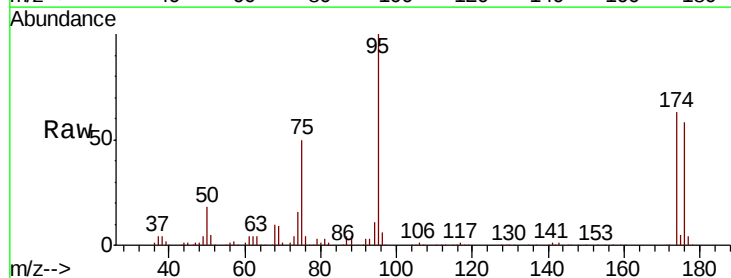
Acq: 09 Oct 2019 11:53

Tgt Ion: 75 Resp: 63362

Ion Ratio Lower Upper

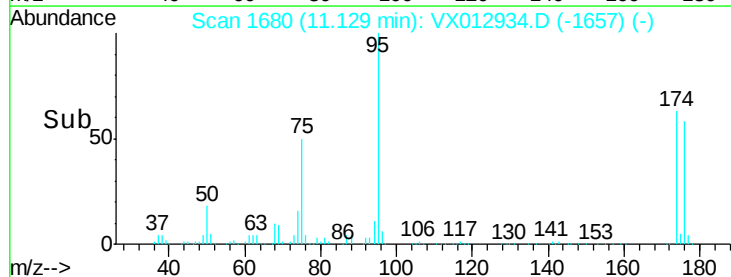
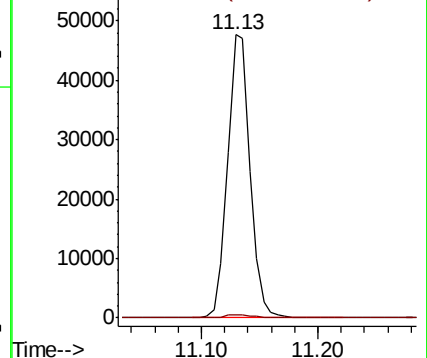
75 100

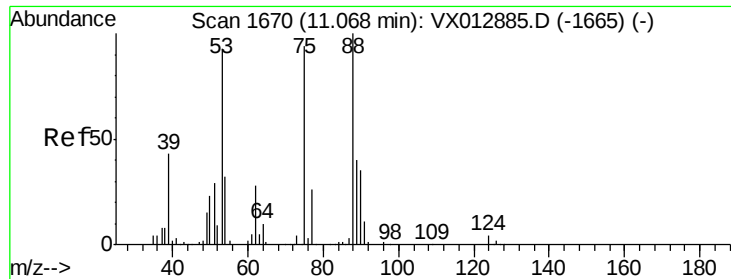
77 1.3 22.9 68.8#



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: 69.340 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012934.D

Acq: 09 Oct 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 63362

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

