

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008450.D
 Acq On : 26 Mar 2019 12:34
 Operator : JC/SP
 Sample : K2082-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 27 01:50:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139419	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	166130	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	5.49	113	122108	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.71	98	493274	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.13	95	167020	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

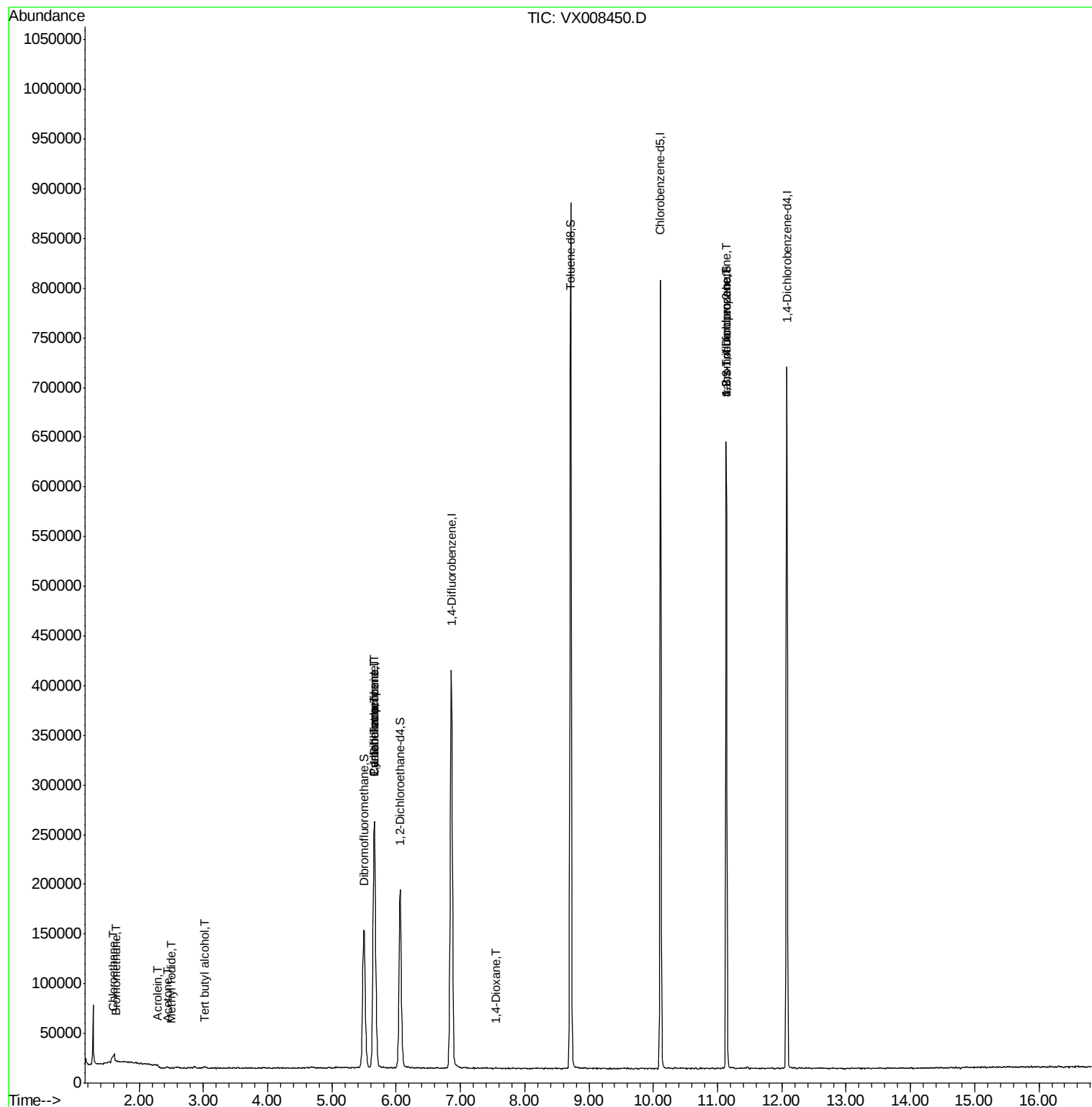
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	316	Below Cal	#	52
5) Bromomethane	1.64	94	270	1.938	ug/l	97
6) Chloroethane	1.59	64	9263	4.092	ug/l #	55
10) Methyl Iodide	2.51	142	45	4.145	ug/l #	23
11) Tert butyl alcohol	3.01	59	1111	1.425	ug/l #	86
13) Acrolein	2.29	56	158	0.279	ug/l #	1
16) Acetone	2.45	43	1280	0.696	ug/l	93
17) Carbon Disulfide	2.57	76	843	Below Cal		96
20) Methylene Chloride	2.85	84	791	Below Cal	#	73
21) trans-1,2-Dichloroethene	3.17	96	66	Below Cal	#	51
31) Cyclohexane	5.66	56	5527	0.980	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19650	4.671	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23174	6.601	ug/l #	16
49) 1,4-Dioxane	7.56	88	22	0.254	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85438	20.613	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85438	66.021	ug/l #	9

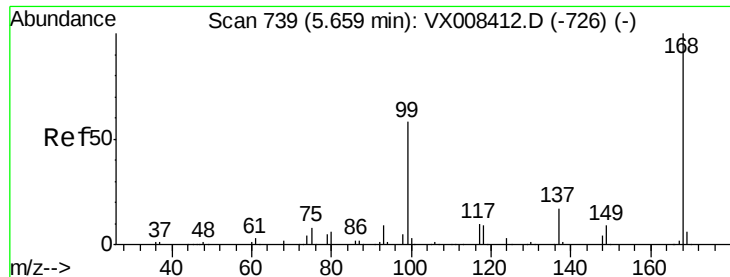
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

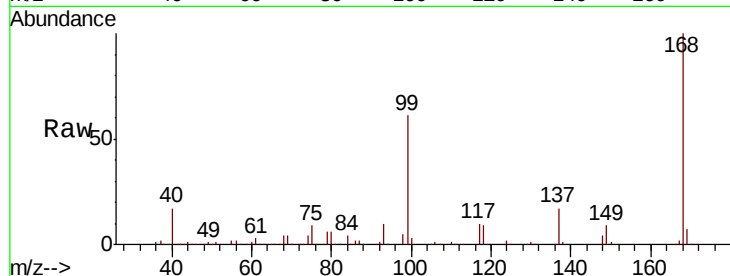
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 232195

Ion Ratio Lower Upper

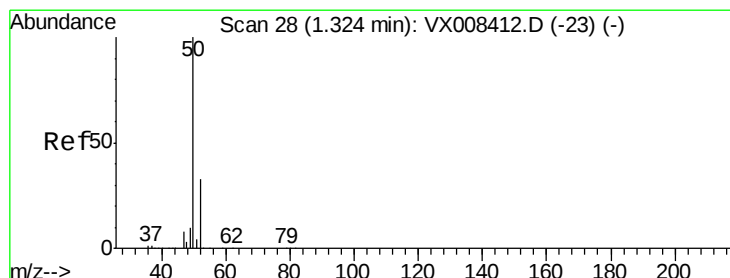
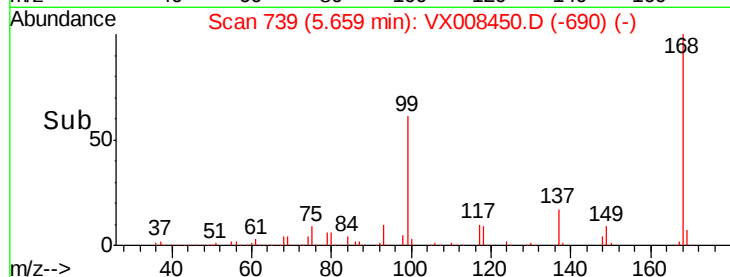
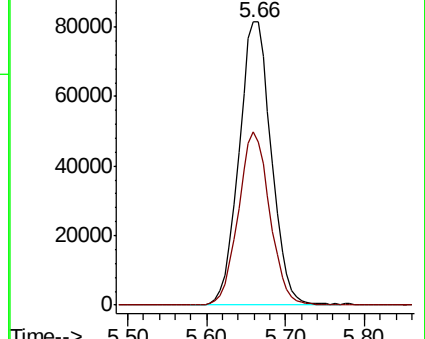
168 100

99 61.1 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008450.D

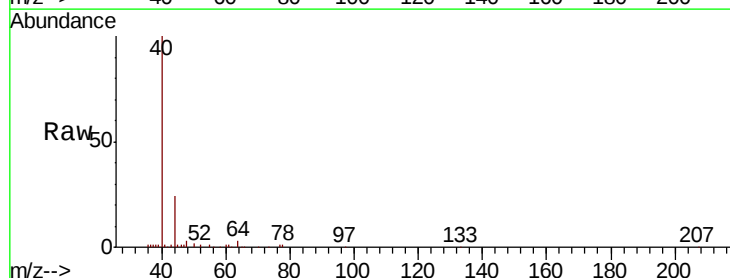
Acq: 26 Mar 2019 12:34

Tgt Ion: 50 Resp: 316

Ion Ratio Lower Upper

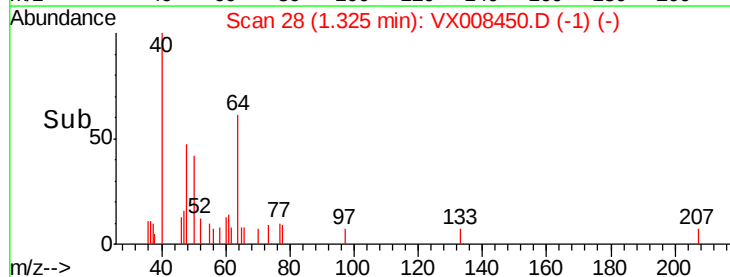
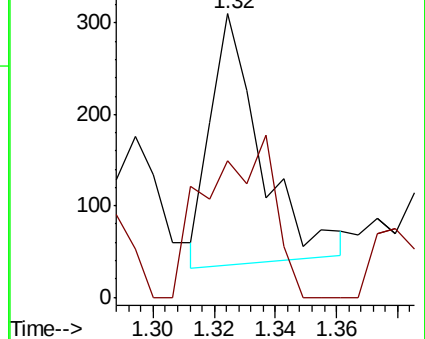
50 100

52 59.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.938 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

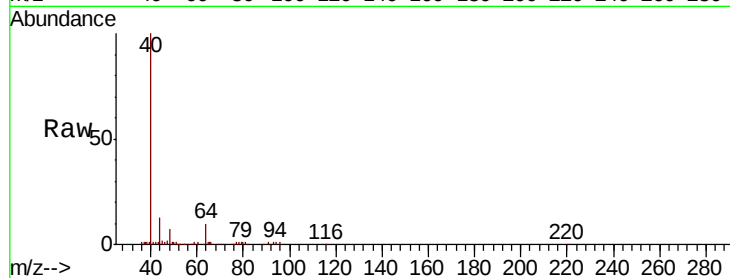
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 270

Ion Ratio Lower Upper

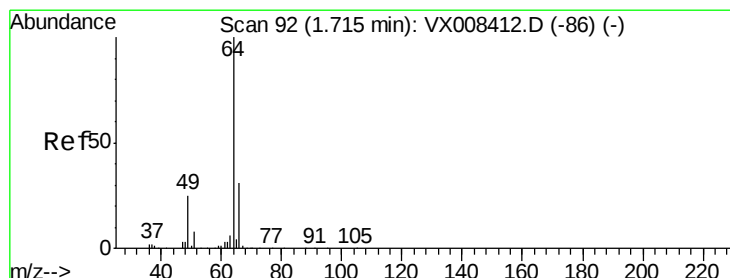
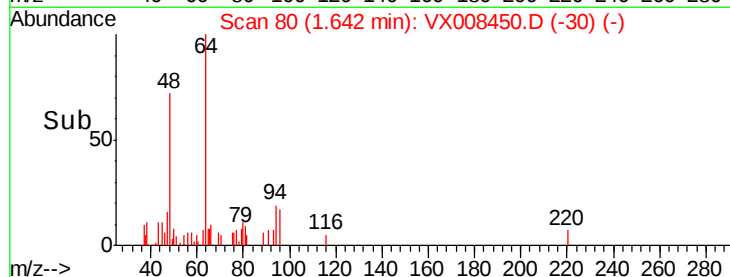
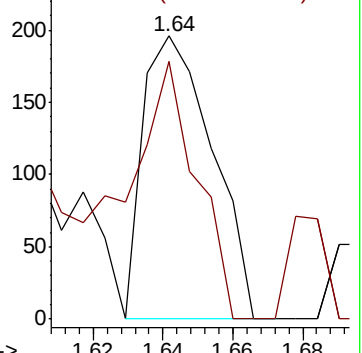
94 100

96 90.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.092 ug/l

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX008450.D

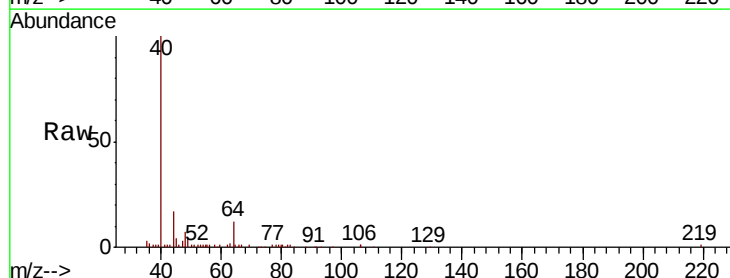
Acq: 26 Mar 2019 12:34

Tgt Ion: 64 Resp: 9263

Ion Ratio Lower Upper

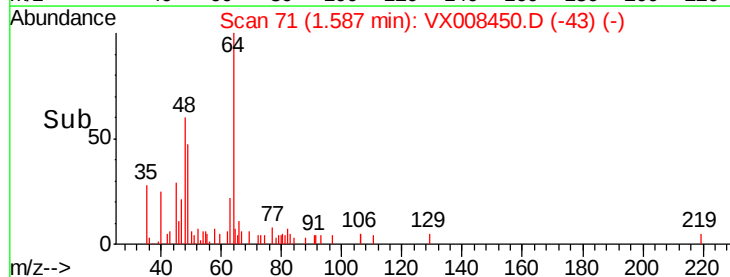
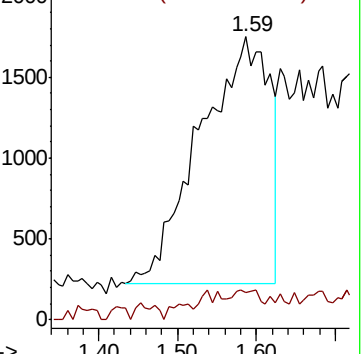
64 100

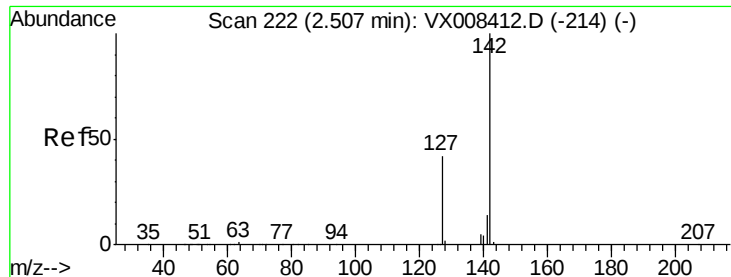
66 6.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

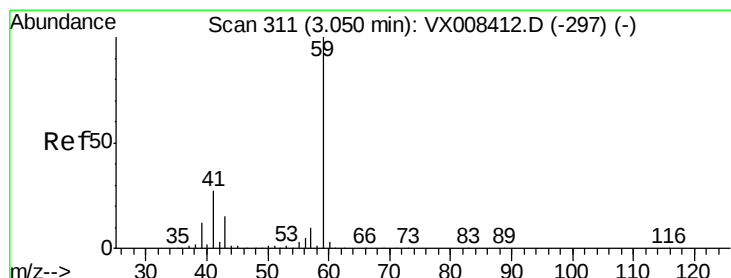
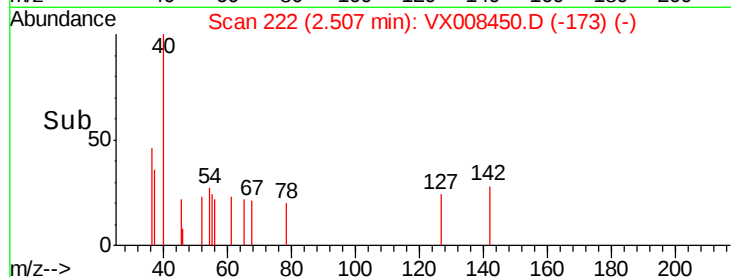
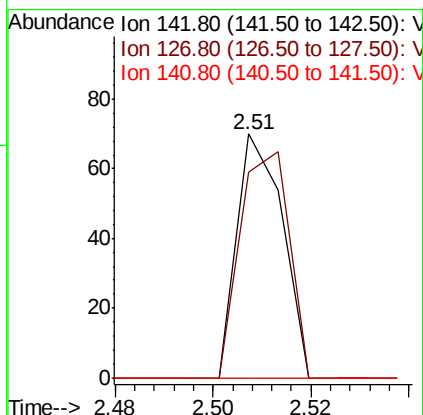
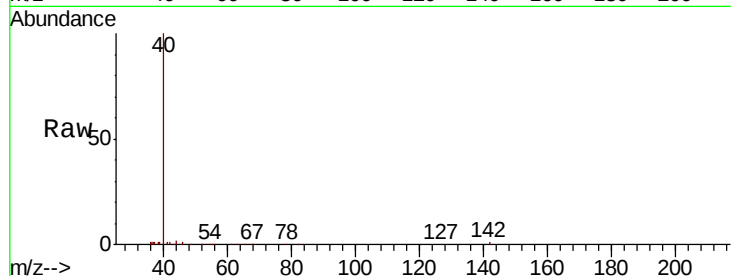




#10
Methvl Iodide
Concen: 4.145 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008450.D
Acq: 26 Mar 2019 12:34

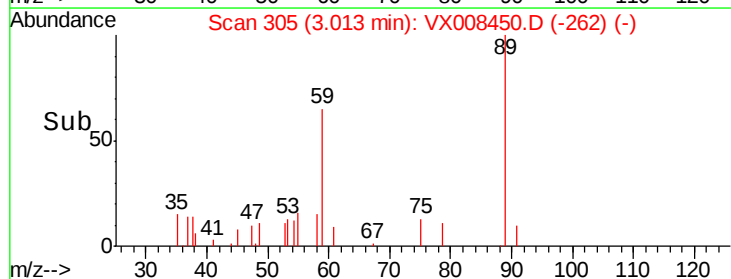
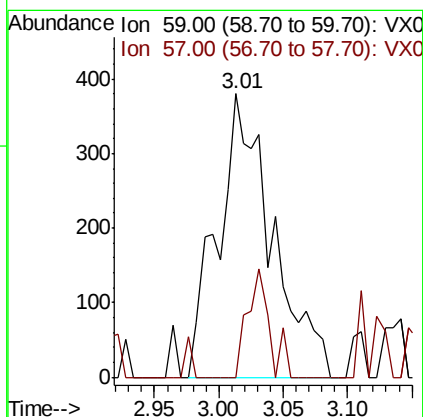
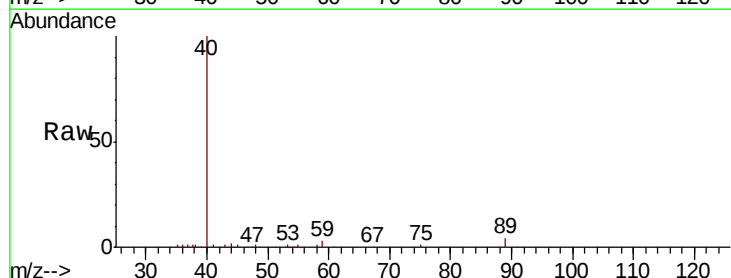
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

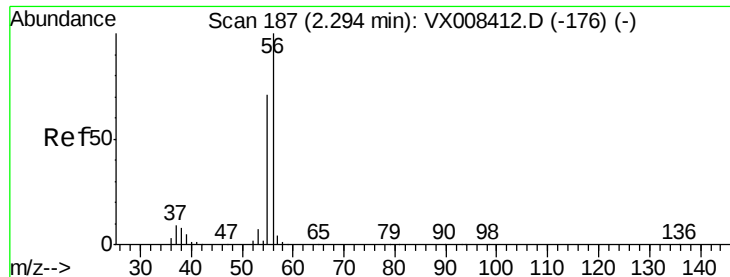
Tot Ion:142 Resp: 45
Ion Ratio Lower Upper
142 100
127 100.0 33.6 50.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.425 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008450.D
Acq: 26 Mar 2019 12:34

Tgt Ion: 59 Resp: 1111
Ion Ratio Lower Upper
59 100
57 15.4 8.2 12.4#





#13

Acrolein

Concen: 0.279 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

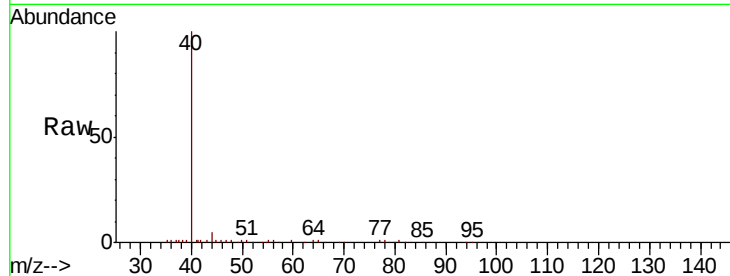
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 158

Ion Ratio Lower Upper

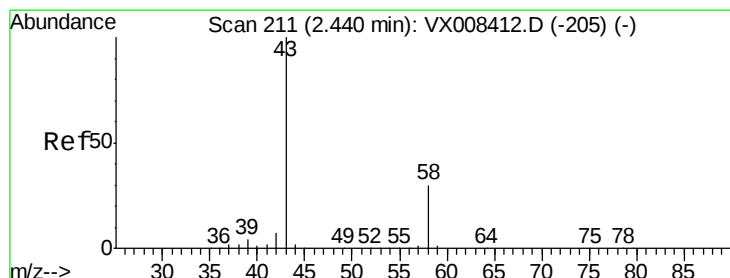
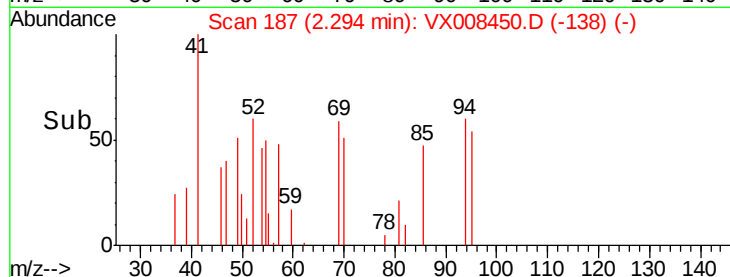
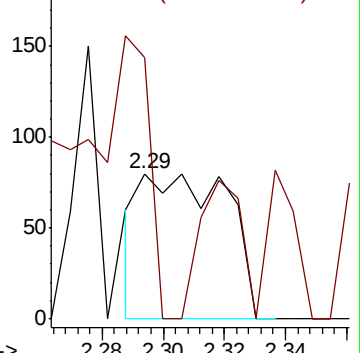
56 100

55 156.3 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.696 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008450.D

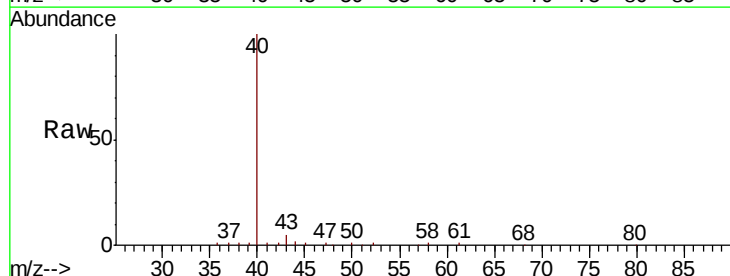
Acq: 26 Mar 2019 12:34

Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

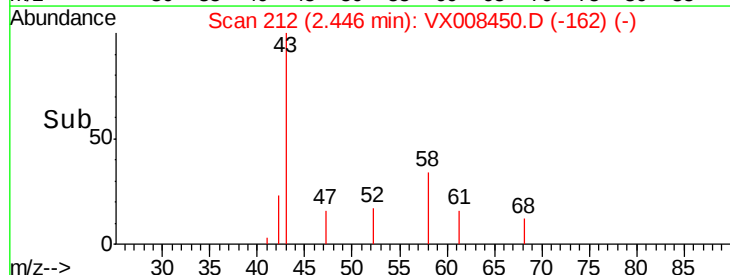
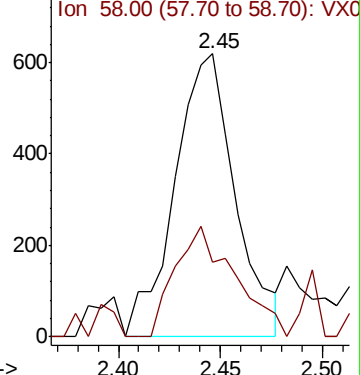
43 100

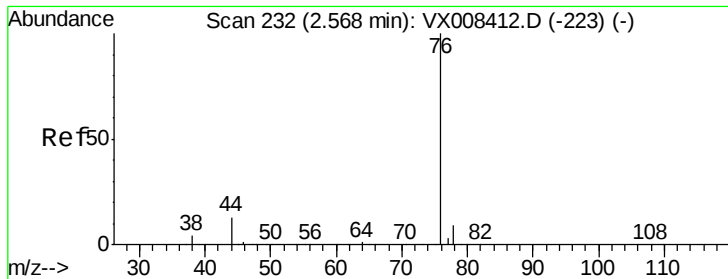
58 26.3 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

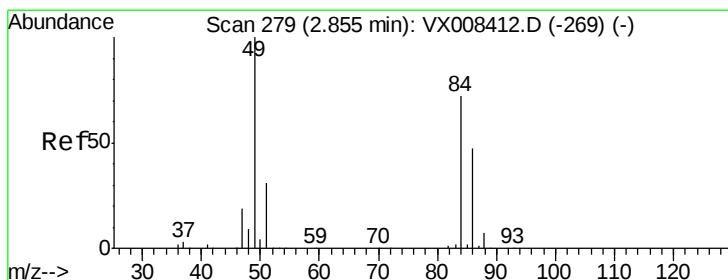
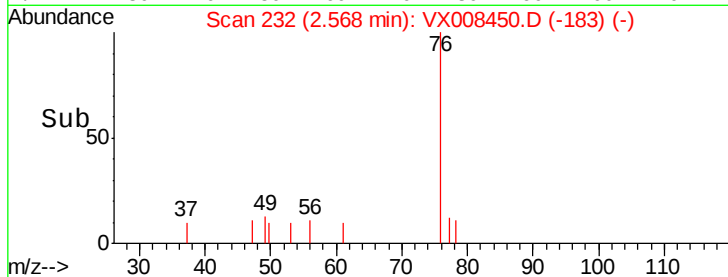
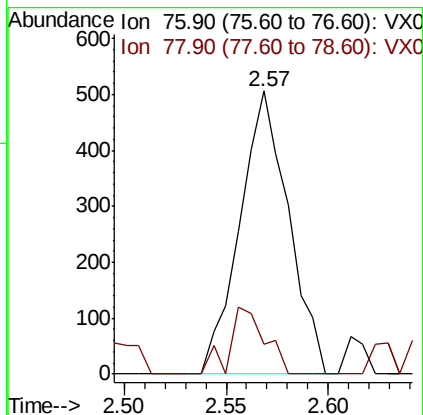
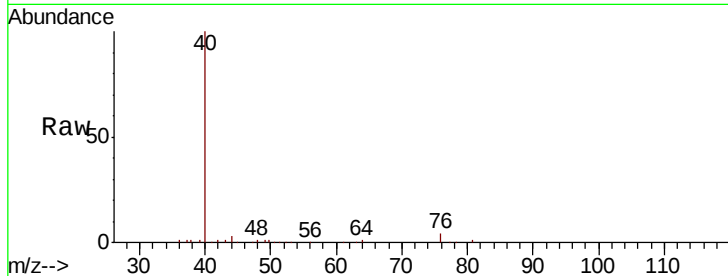
STORAGE-BLANK-WATER-REF-4

Tot Ion: 76 Resp: 843

Ion Ratio Lower Upper

76 100

78 10.7 7.4 11.2



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Tgt Ion: 84 Resp: 791

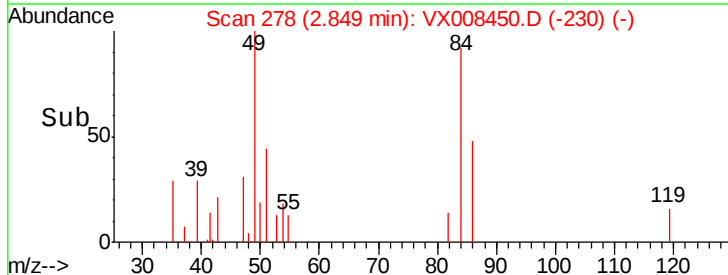
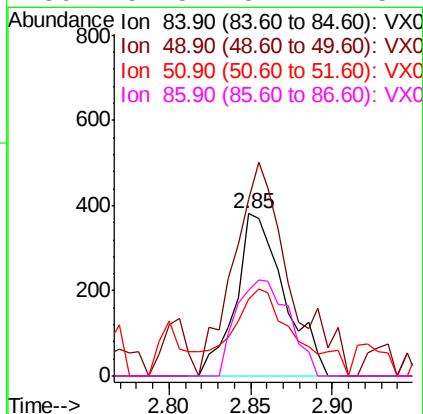
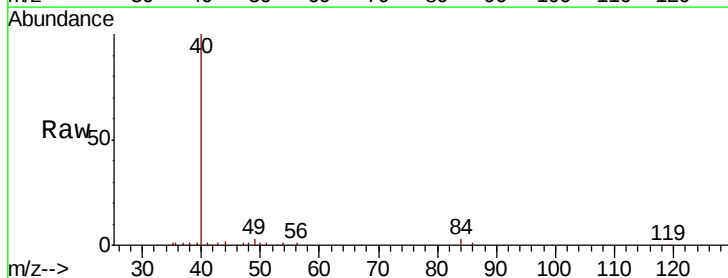
Ion Ratio Lower Upper

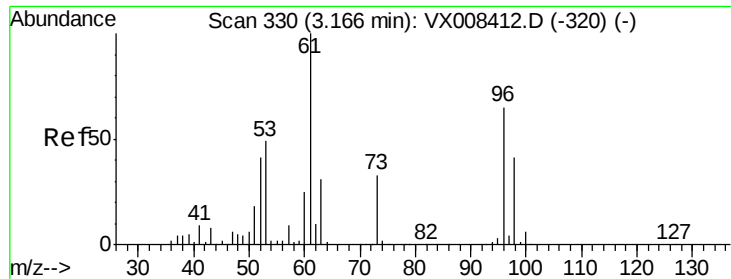
84 100

49 95.3 110.6 165.8#

51 32.8 33.9 50.9#

86 52.5 52.2 78.2

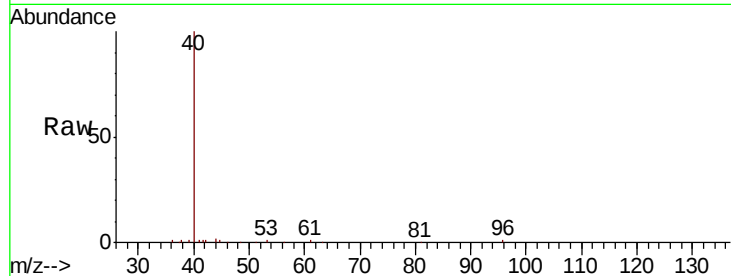




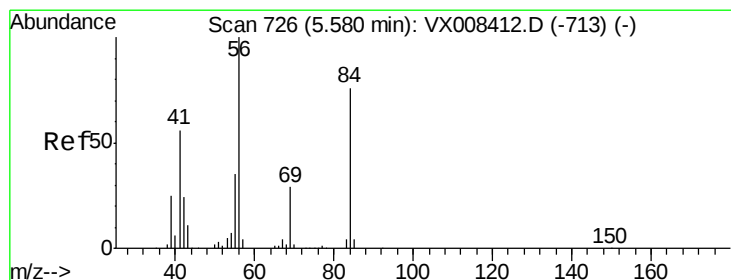
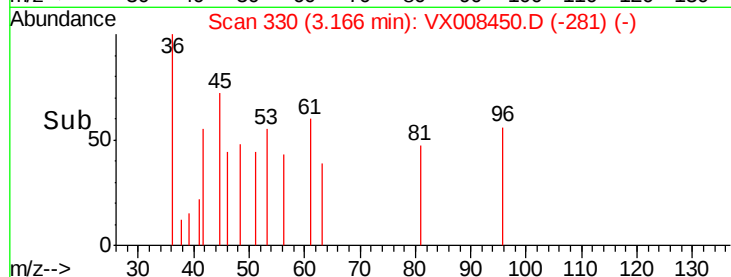
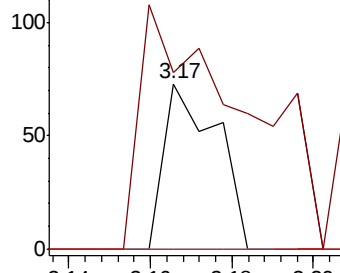
#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008450.D
Acq: 26 Mar 2019 12:34

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

Tot Ion: 96 Resp: 66
Ion Ratio Lower Upper
96 100
61 106.8 122.6 184.0#
98 0.0 50.9 76.3#

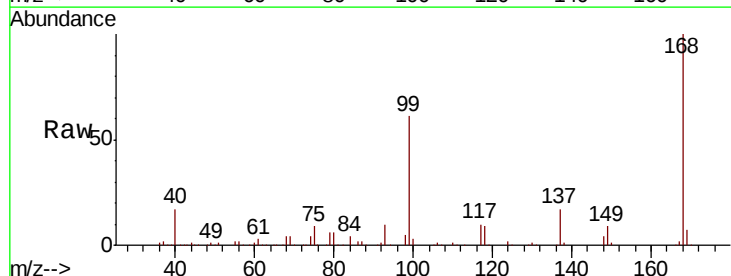


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

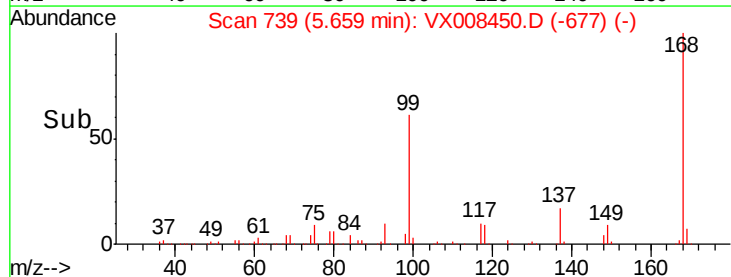
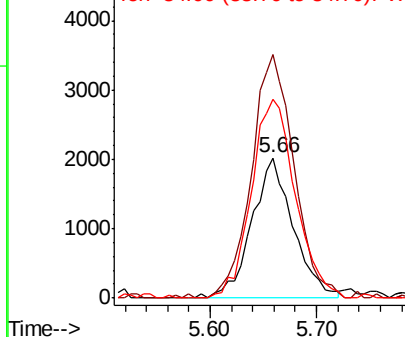


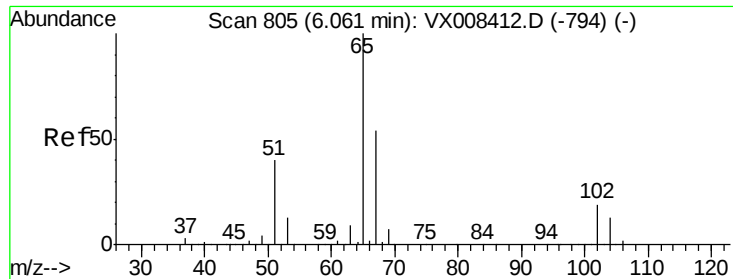
#31
Cyclohexane
Concen: 0.980 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008450.D
Acq: 26 Mar 2019 12:34

Tgt Ion: 56 Resp: 5527
Ion Ratio Lower Upper
56 100
69 170.2 23.2 34.8#
84 141.3 60.7 91.1#



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

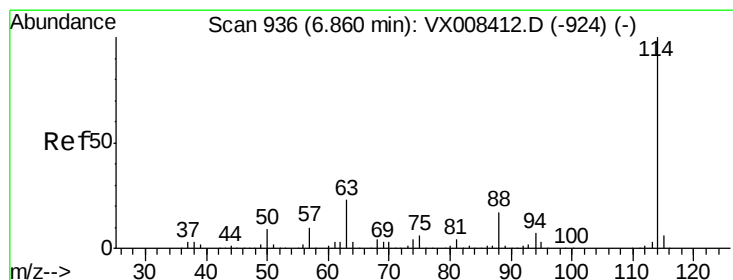
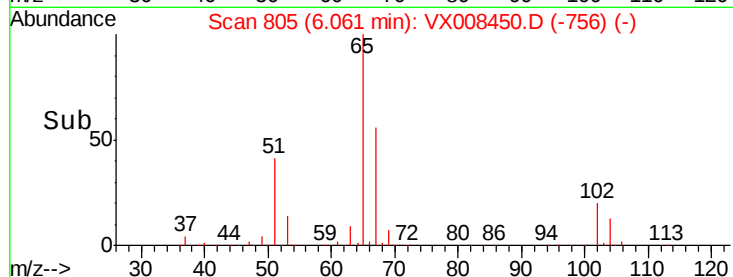
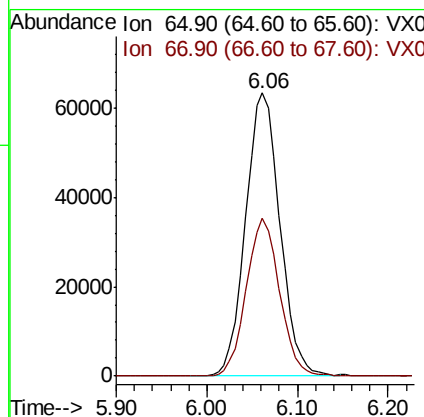
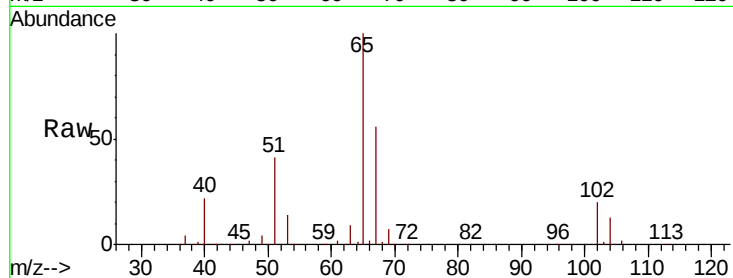




#33
 1,2-Dichloroethane-d4
 Concen: 47.194 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008450.D
 Acq: 26 Mar 2019 12:34

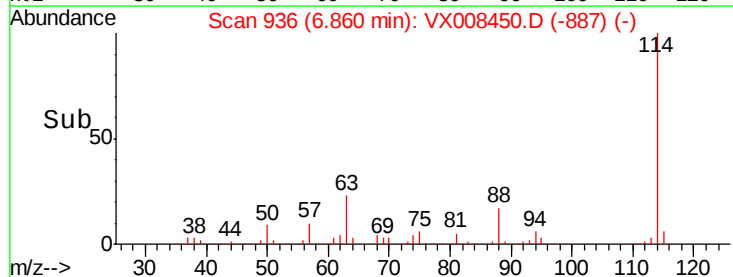
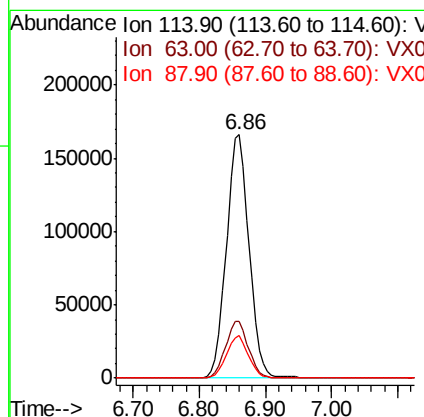
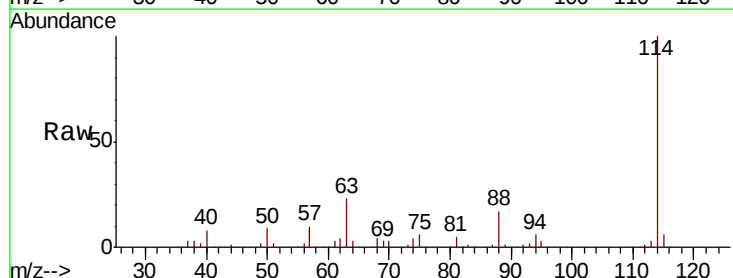
Instrument :
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 STORAGE-BLANK-WATER-REF-4

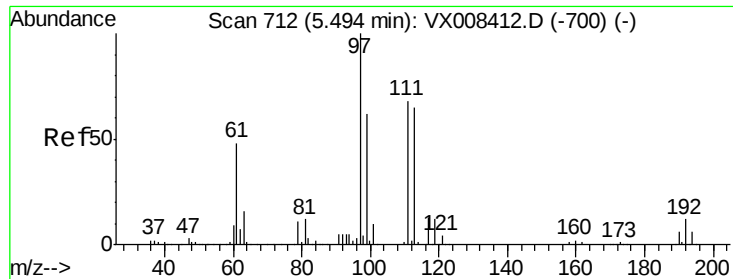
Tot Ion: 65 Resp: 166130
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008450.D
 Acq: 26 Mar 2019 12:34

Tgt Ion: 114 Resp: 394564
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.4
 88 17.3 0.0 33.2

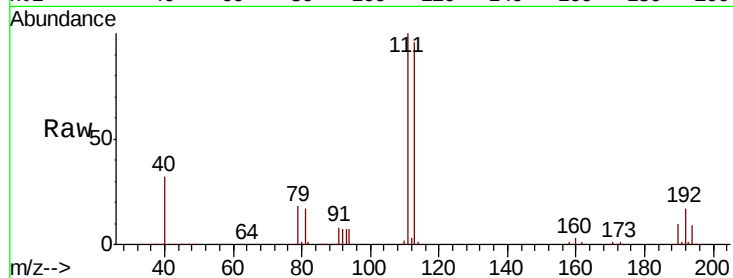




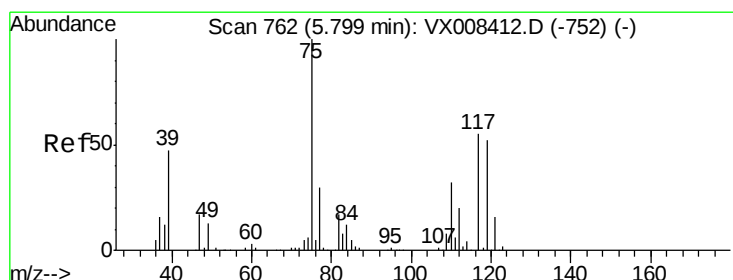
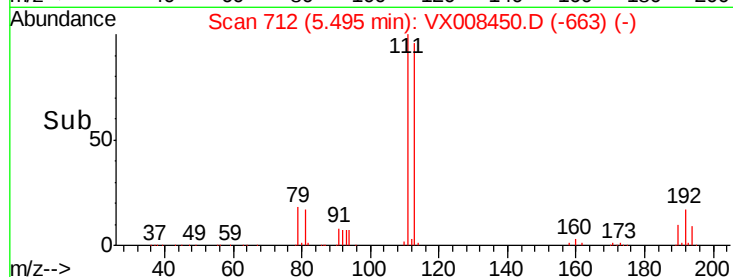
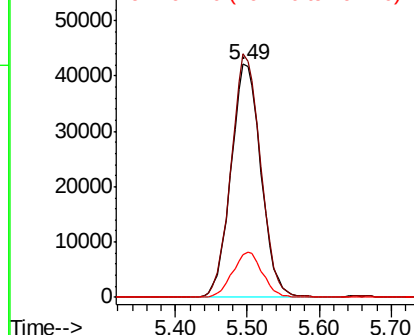
#35
 Dibromofluoromethane
 Concen: 47.462 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008450.D
 Acq: 26 Mar 2019 12:34

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

Tot Ion:113 Resp: 122108
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.4
 192 19.2 15.6 23.4

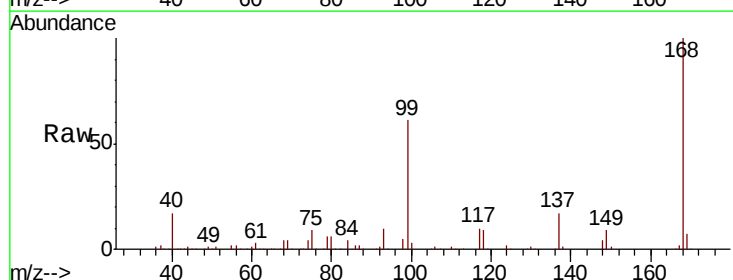


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

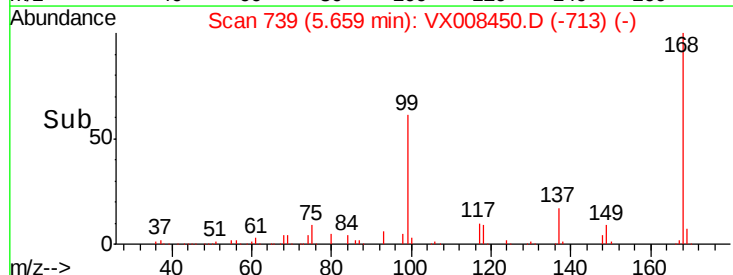
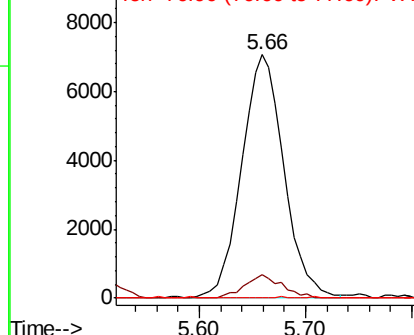


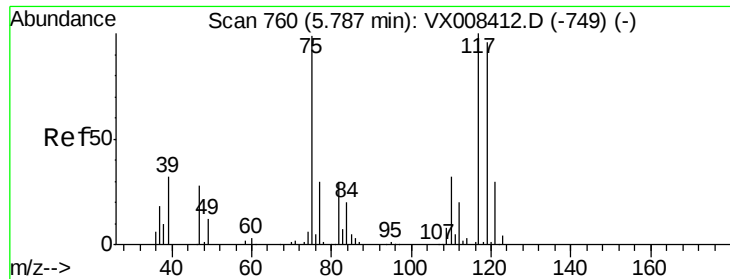
#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008450.D
 Acq: 26 Mar 2019 12:34

Tgt Ion: 75 Resp: 19650
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.6 49.7#
 77 0.1 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.601 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

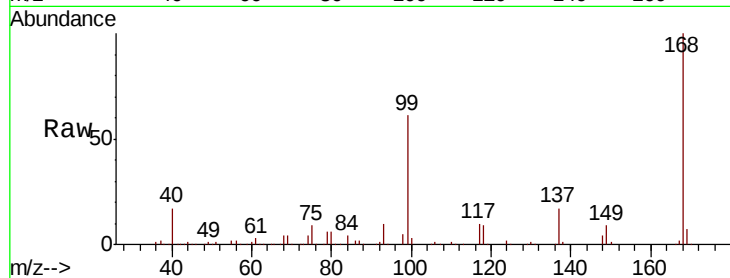
Tot Ion:117 Resp: 23174

Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

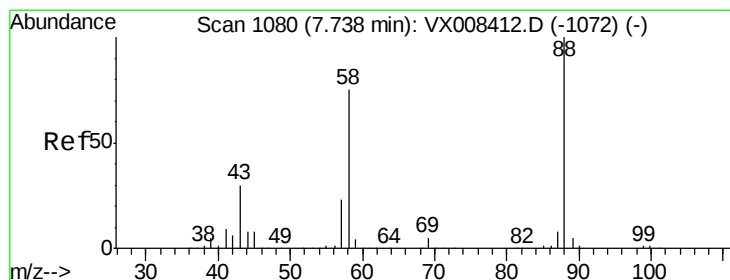
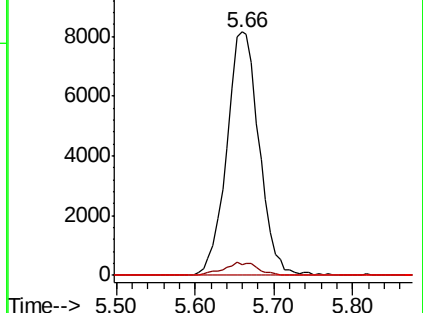
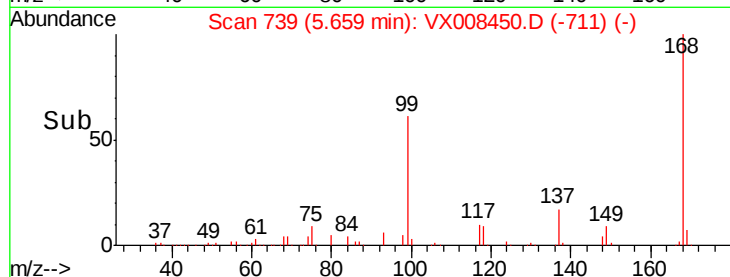
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 0.254 ug/l

RT: 7.56 min Scan# 1051

Delta R.T. -0.18 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

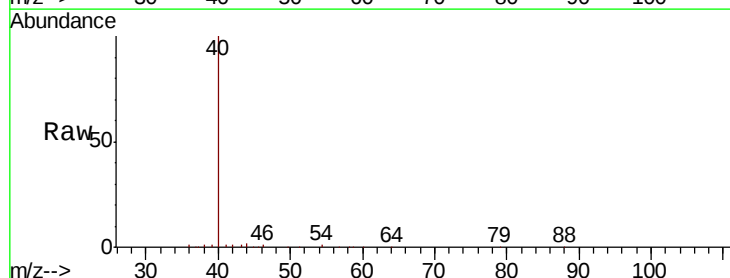
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 604.5 28.6 43.0#

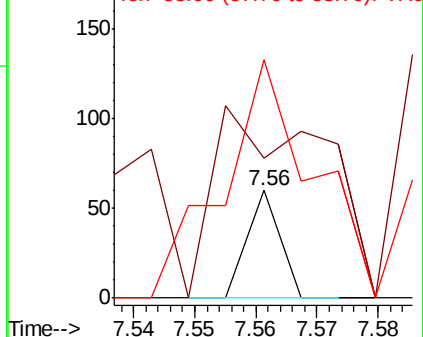
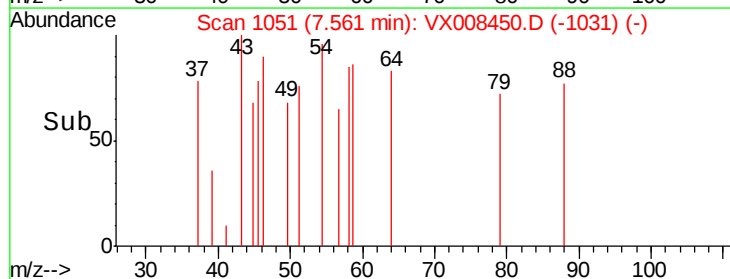
58 618.2 63.0 94.4#

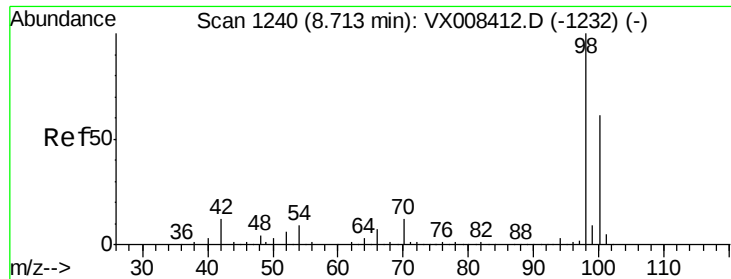


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.950 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

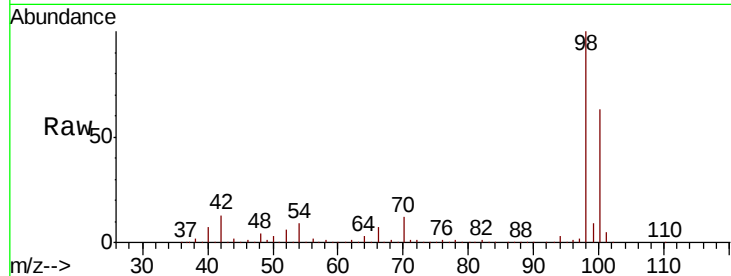
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 493274

Ion Ratio Lower Upper

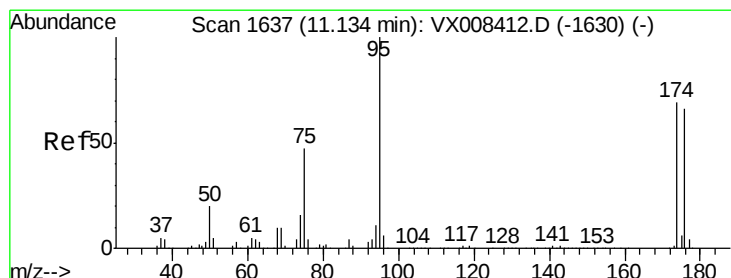
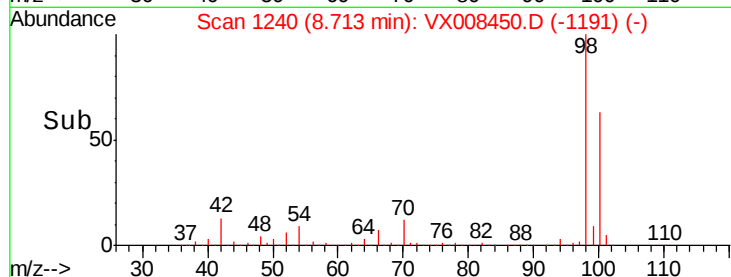
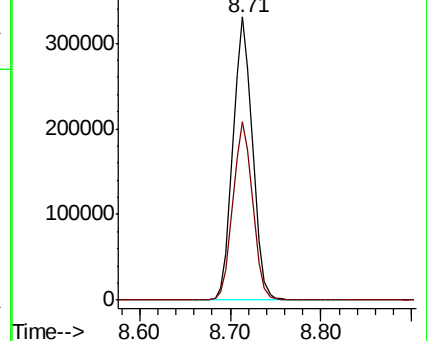
98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.813 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

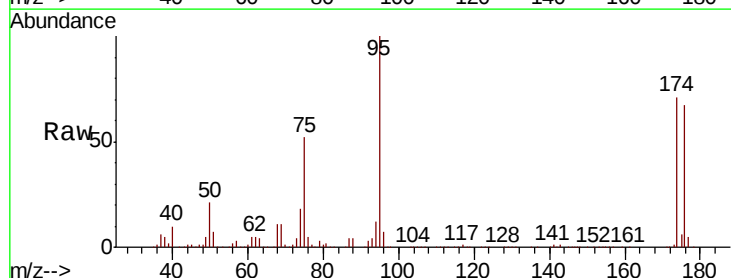
Tgt Ion: 95 Resp: 167020

Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.2

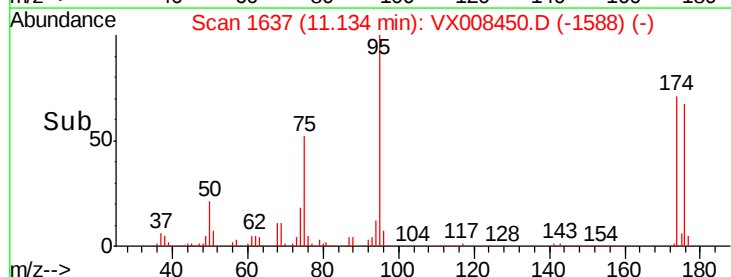
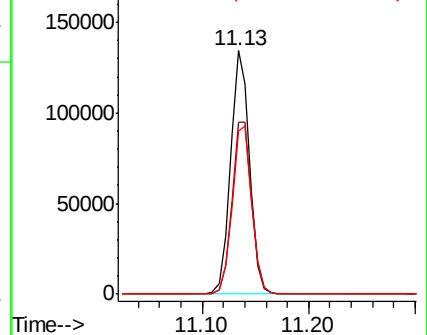
176 71.2 0.0 142.4

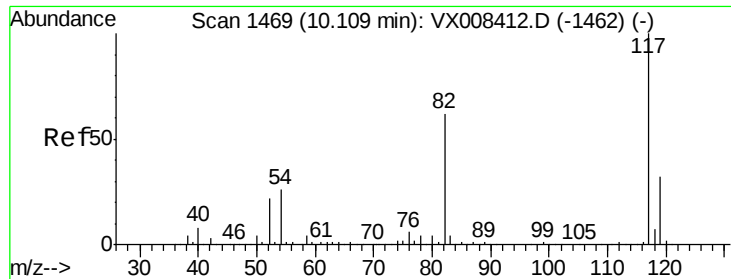


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

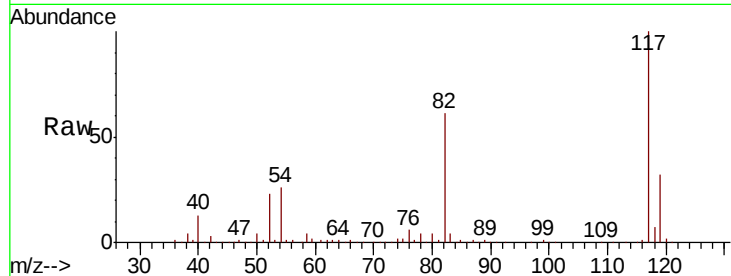




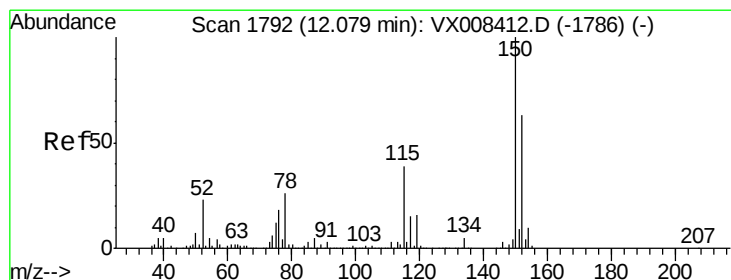
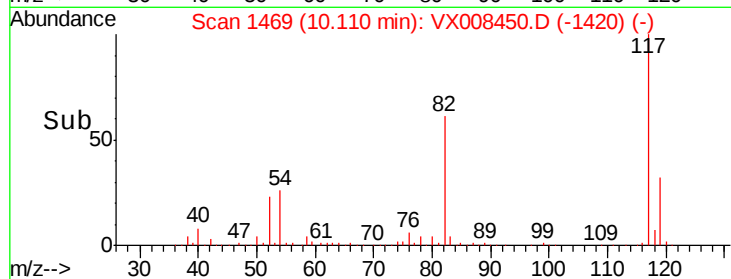
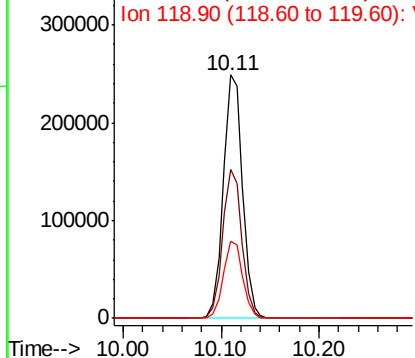
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008450.D
Acq: 26 Mar 2019 12:34

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

Tot Ion:117 Resp: 339028
Ion Ratio Lower Upper
117 100
82 61.1 49.4 74.2
119 31.7 25.4 38.0

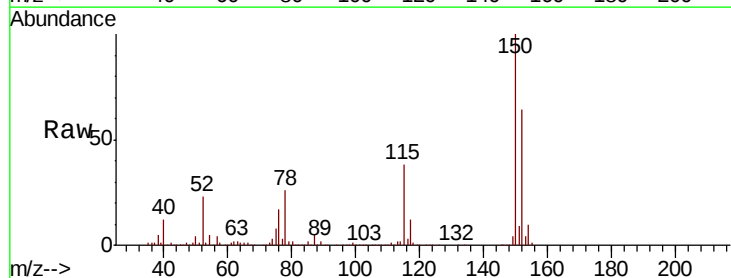


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

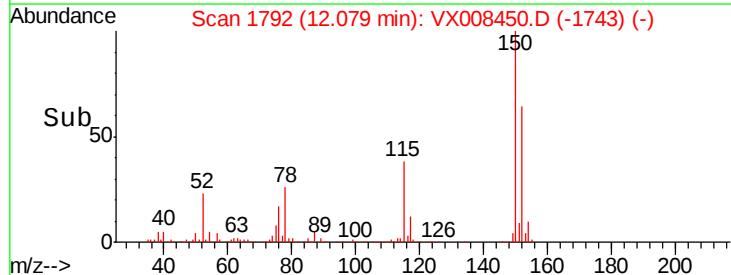
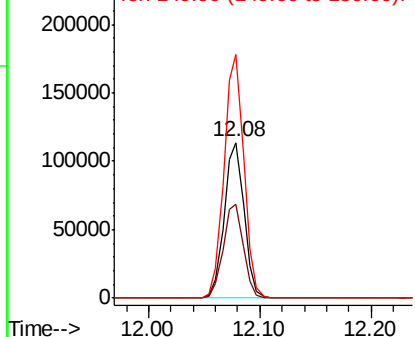


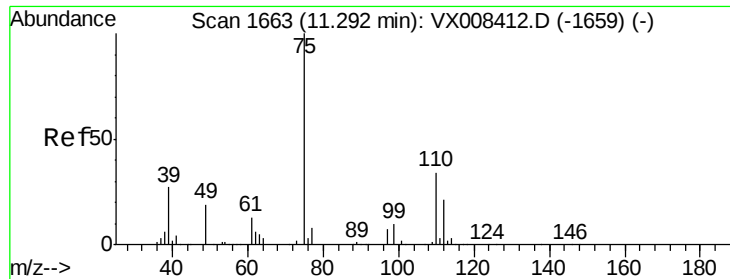
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008450.D
Acq: 26 Mar 2019 12:34

Tgt Ion:152 Resp: 139419
Ion Ratio Lower Upper
152 100
115 61.4 43.5 130.5
150 156.6 0.0 348.8



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: 20.613 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

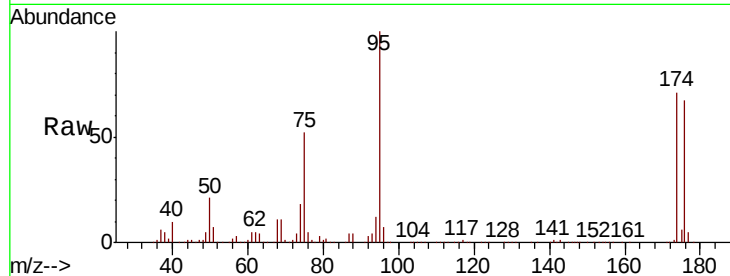
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 85438

Ion Ratio Lower Upper

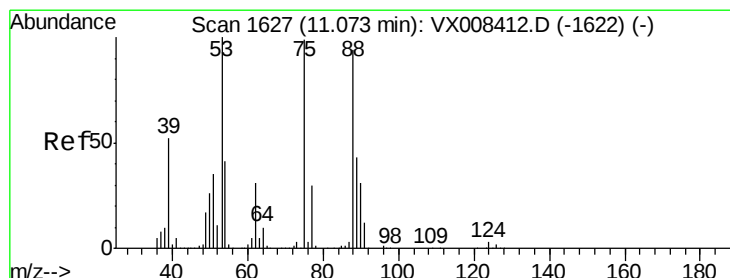
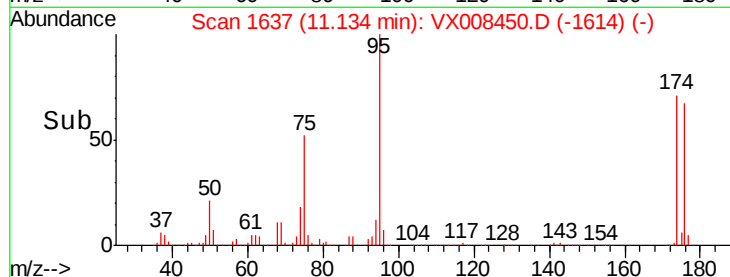
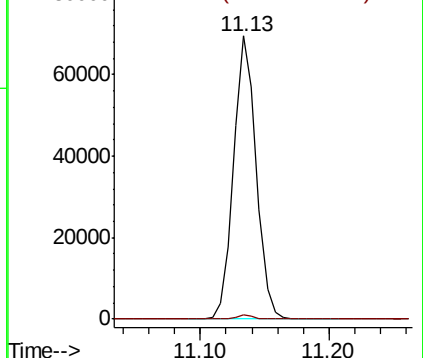
75 100

77 1.2 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.021 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008450.D

Acq: 26 Mar 2019 12:34

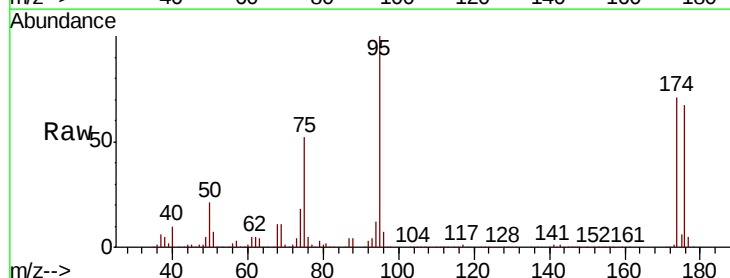
Tgt Ion: 75 Resp: 85438

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.0 34.6 52.0#



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

