

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008713.D
 Acq On : 06 Apr 2019 12:21
 Operator : JC/SP
 Sample : K2292-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Apr 08 01:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	217046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129973	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	147175	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.50	113	108678	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
50) Toluene-d8	8.71	98	451148	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	153217	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	

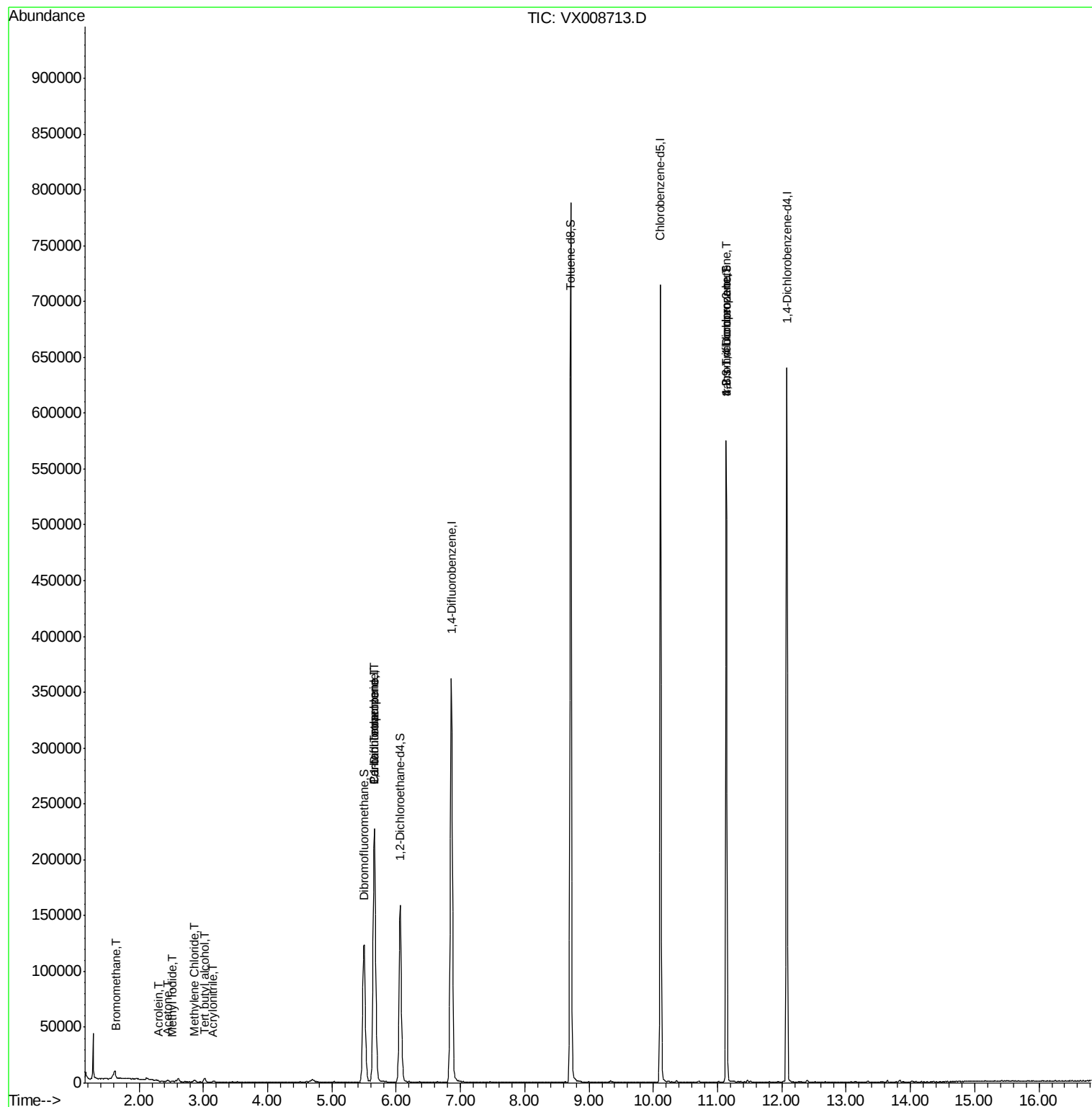
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	688	Below Cal		96
5) Bromomethane	1.64	94	422	2.129	ug/l	93
6) Chloroethane	1.73	64	516	Below Cal	#	43
10) Methyl Iodide	2.52	142	597	4.254	ug/l #	87
11) Tert butyl alcohol	3.02	59	2208	2.979	ug/l #	75
13) Acrolein	2.31	56	154	0.419	ug/l #	21
15) Acrylonitrile	3.15	53	614	0.313	ug/l #	90
16) Acetone	2.45	43	2046	1.122	ug/l	96
17) Carbon Disulfide	2.57	76	1383	Below Cal	#	88
20) Methylene Chloride	2.85	84	693	0.227	ug/l	86
28) Bromochloromethane	5.03	49	147	Below Cal	#	22
36) 1,1-Dichloropropene	5.66	75	17572	4.502	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20930	6.478	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	76543	21.438	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	76543	59.094	ug/l #	9

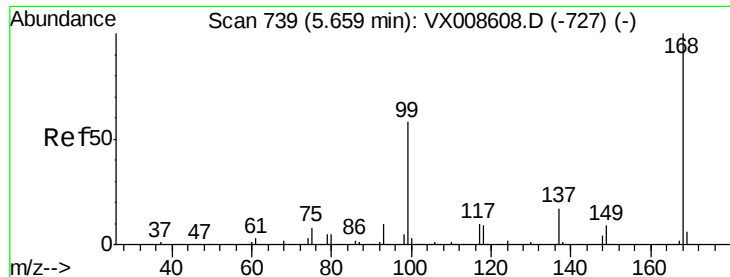
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

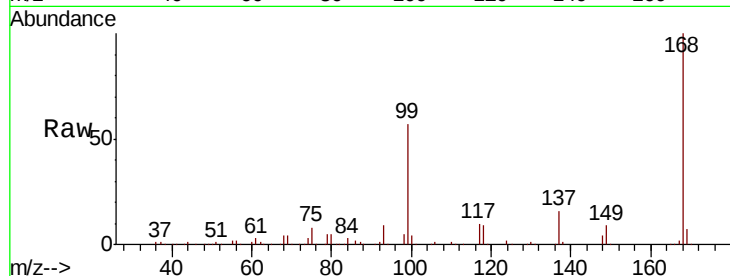
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 217046

Ion Ratio Lower Upper

168 100

99 57.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

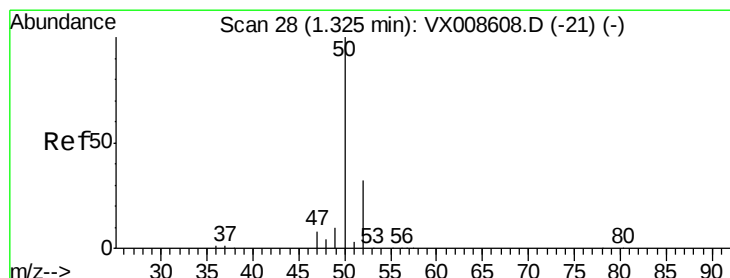
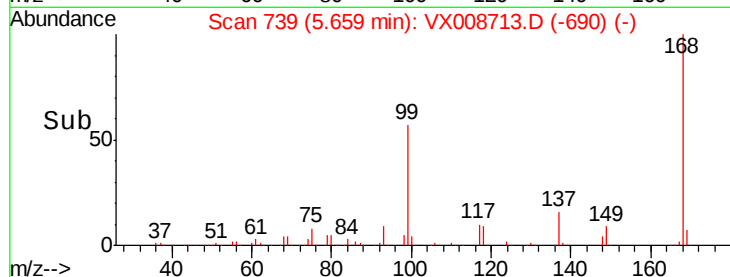
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008713.D

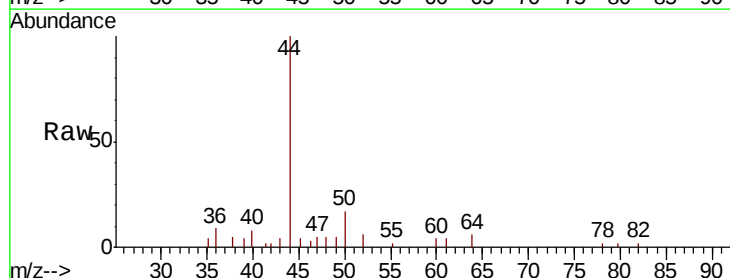
Acq: 06 Apr 2019 12:21

Tgt Ion: 50 Resp: 688

Ion Ratio Lower Upper

50 100

52 34.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

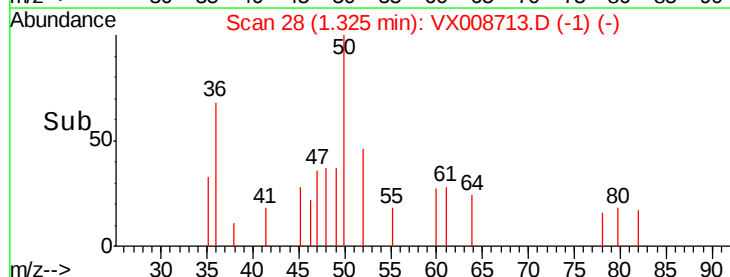
200

100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 2.129 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

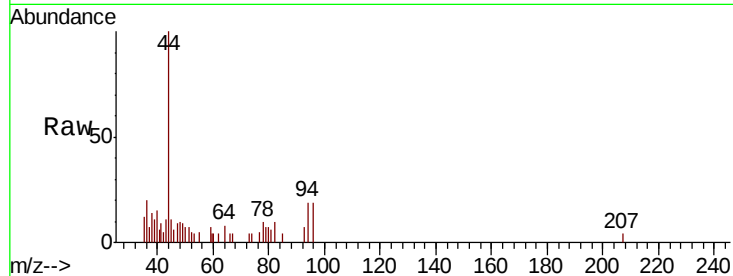
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 422

Ion Ratio Lower Upper

94 100

96 100.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

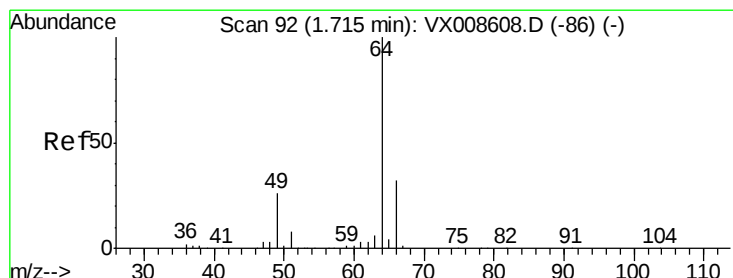
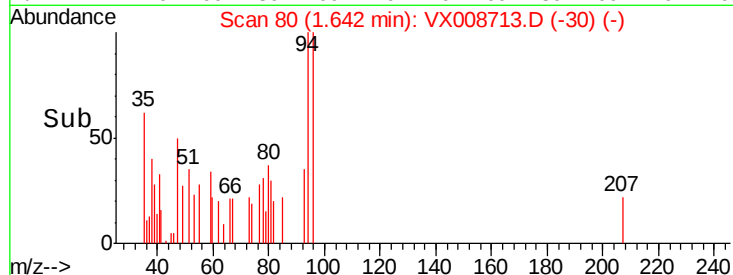
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008713.D

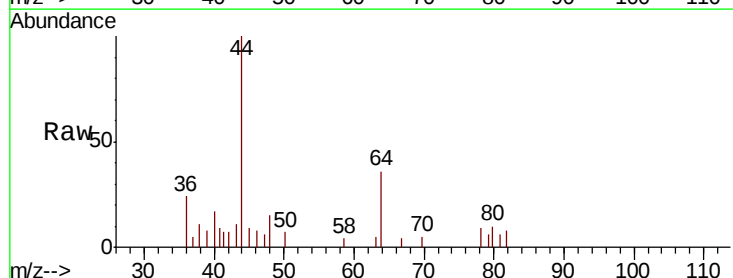
Acq: 06 Apr 2019 12:21

Tgt Ion: 64 Resp: 516

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

500

400

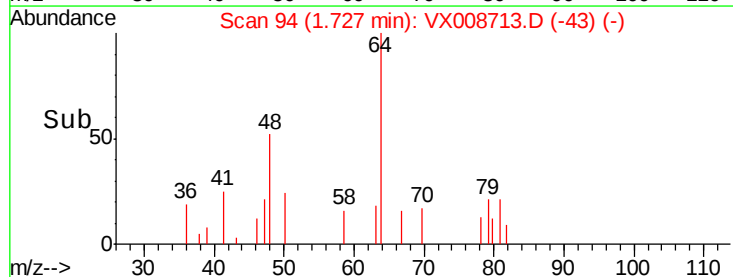
300

200

100

0

Time-->

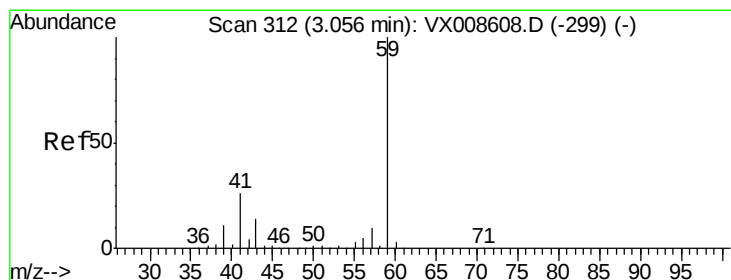
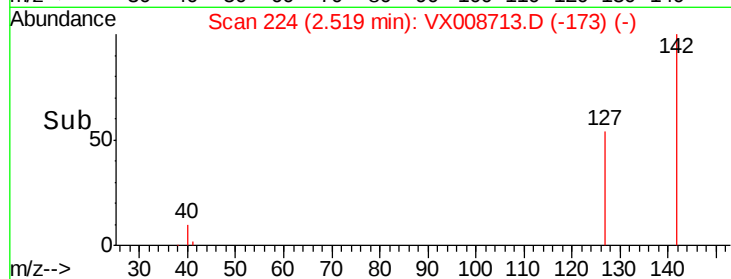
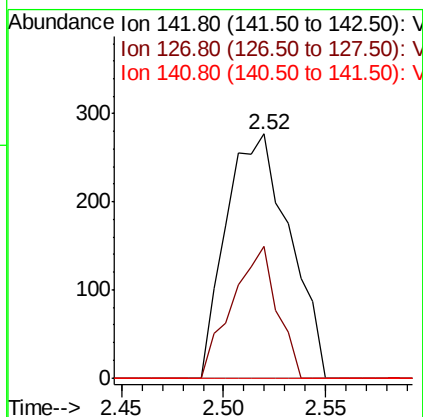
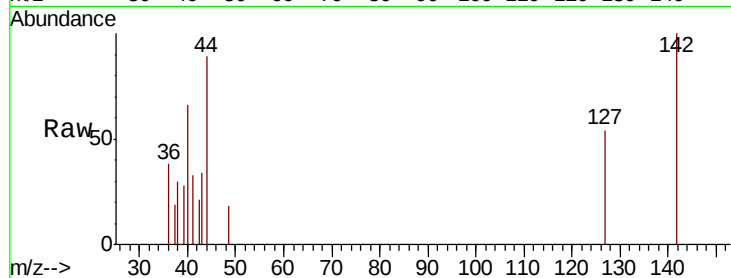




#10
Methvl Iodide
Concen: 4.254 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008713.D
Acq: 06 Apr 2019 12:21

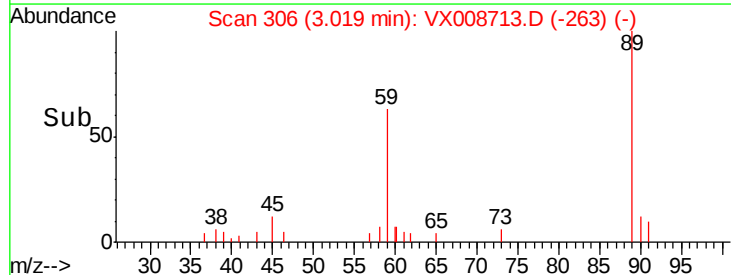
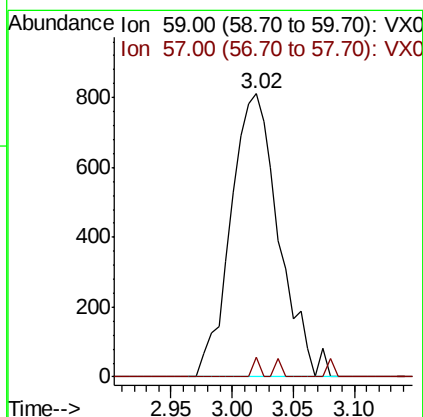
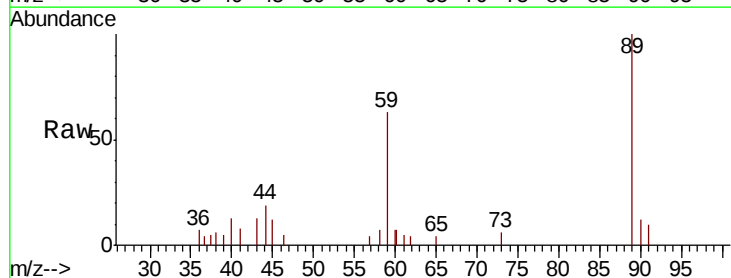
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

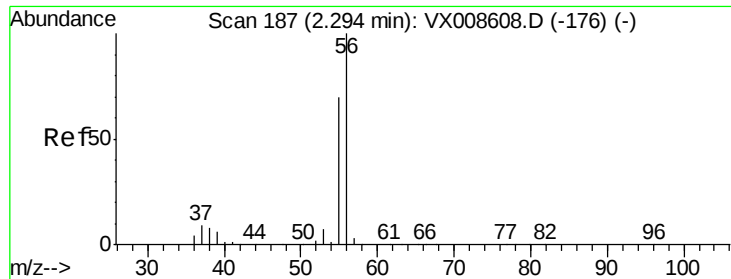
Tot Ion:142 Resp: 597
Ion Ratio Lower Upper
142 100
127 38.2 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.979 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008713.D
Acq: 06 Apr 2019 12:21

Tgt Ion: 59 Resp: 2208
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#





#13

Acrolein

Concen: 0.419 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

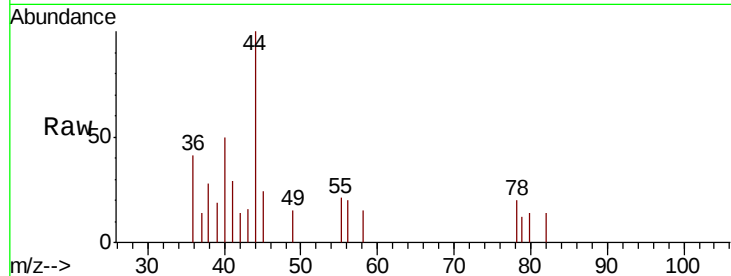
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

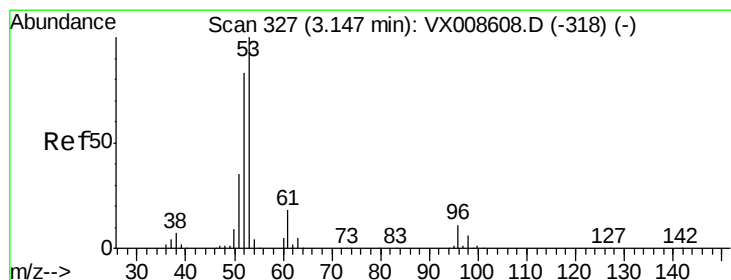
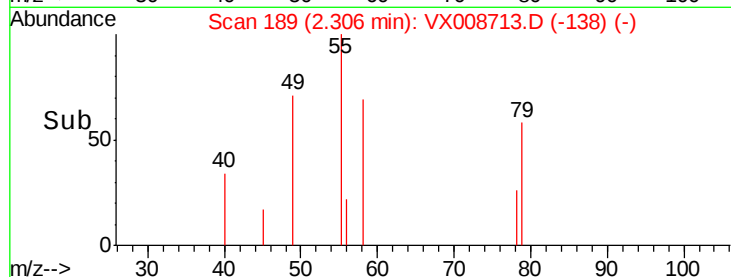
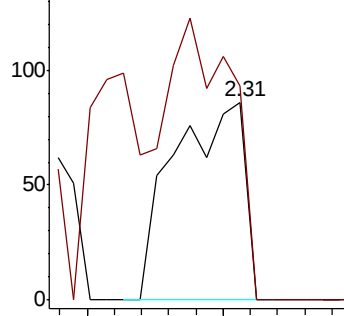
56 100

55 138.3 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.313 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

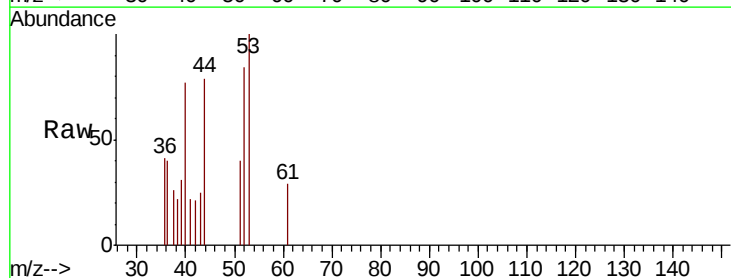
Tgt Ion: 53 Resp: 614

Ion Ratio Lower Upper

53 100

52 80.6 66.5 99.7

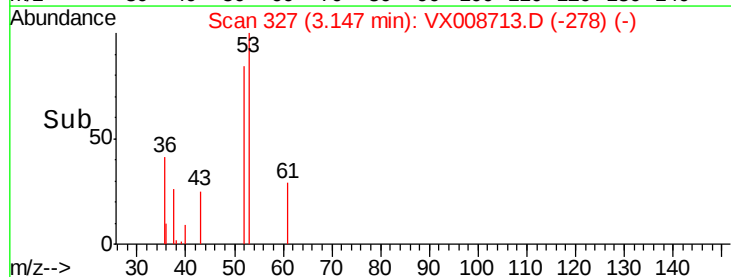
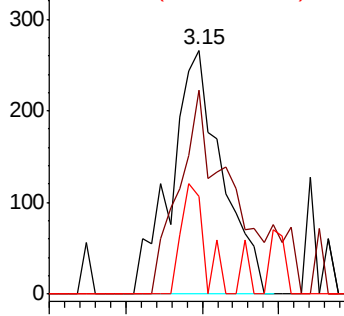
51 20.8 28.6 42.8#

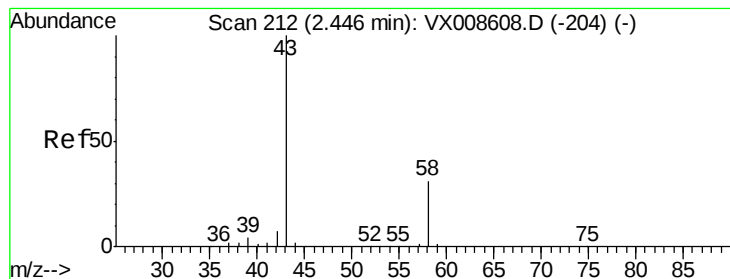


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.122 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

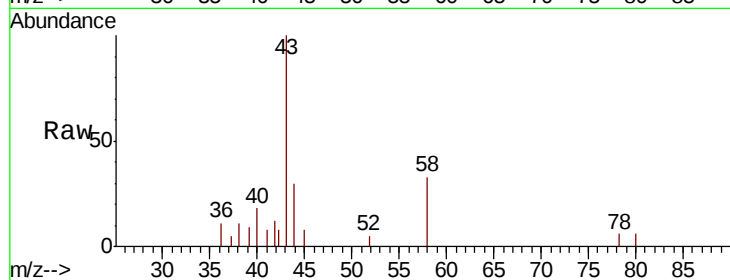
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 2046

Ion Ratio Lower Upper

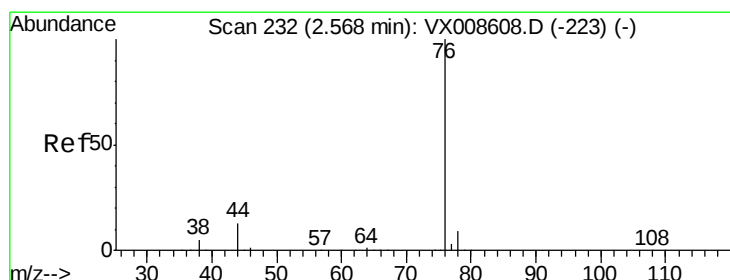
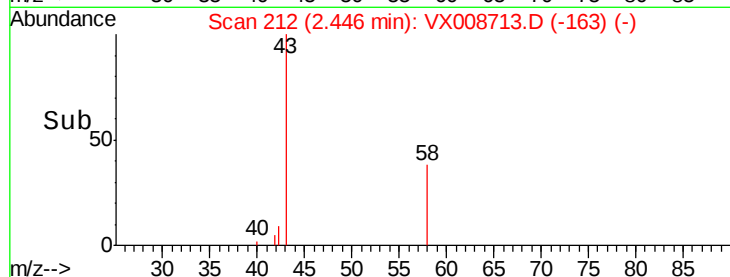
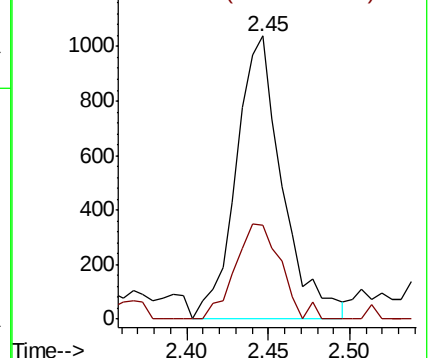
43 100

58 33.2 24.8 37.2



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# 233

Delta R.T. 0.01 min

Lab File: VX008713.D

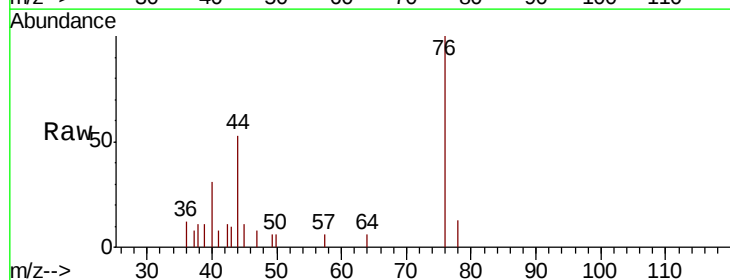
Acq: 06 Apr 2019 12:21

Tgt Ion: 76 Resp: 1383

Ion Ratio Lower Upper

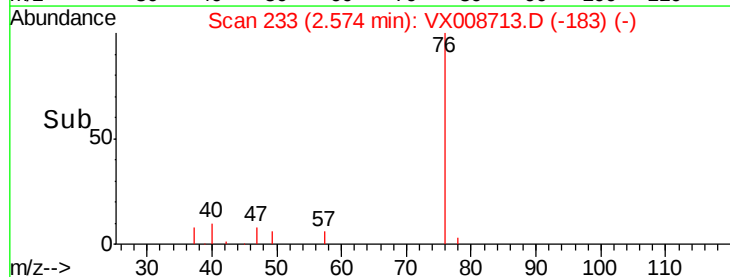
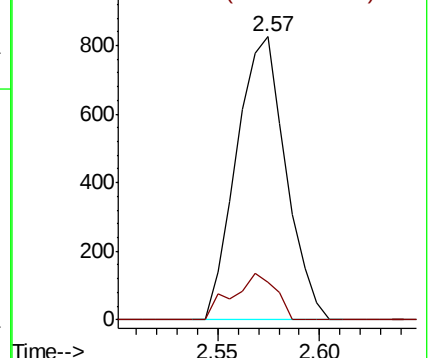
76 100

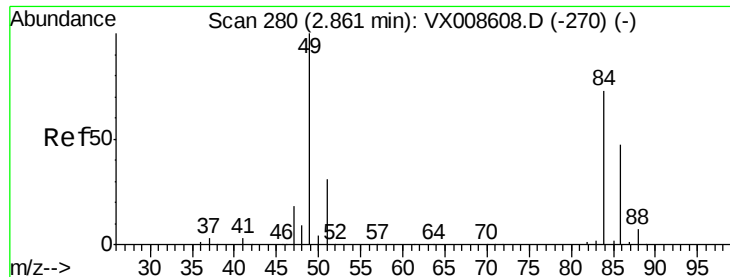
78 13.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

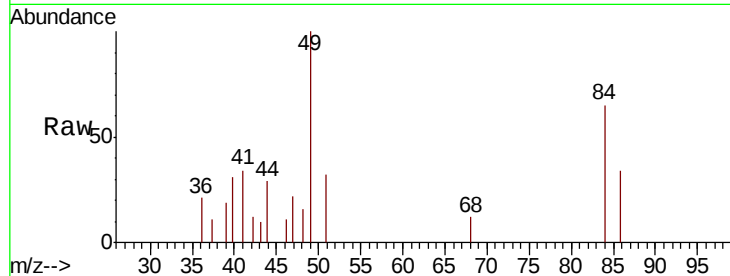




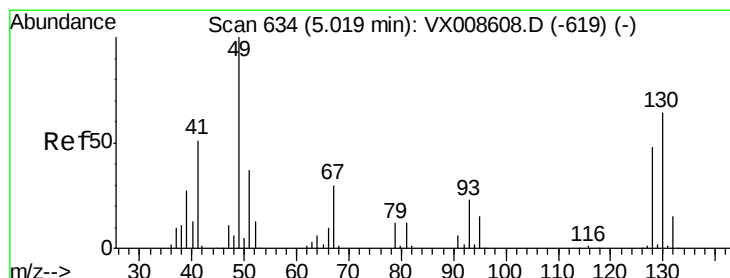
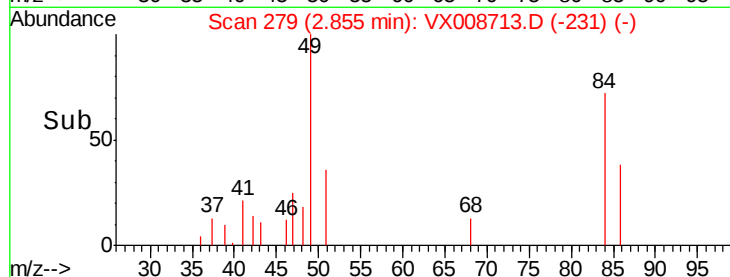
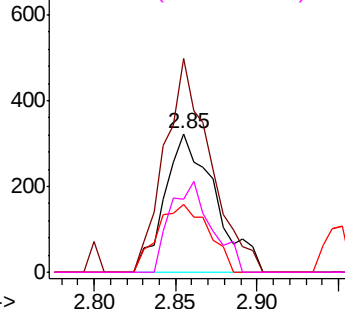
#20
Methvlene Chloride
Concen: 0.227 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008713.D
Acq: 06 Apr 2019 12:21

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

Tot Ion: 84 Resp: 693
Ion Ratio Lower Upper
84 100
49 154.2 109.7 164.5
51 49.2 33.6 50.4
86 52.9 51.4 77.2

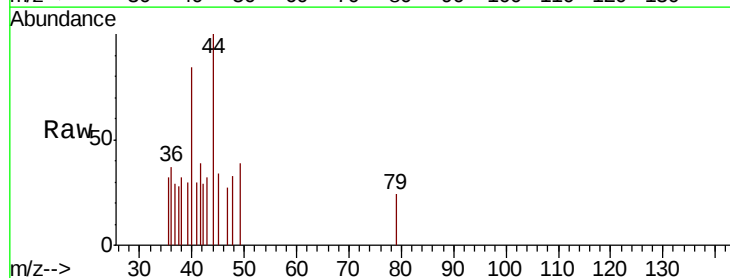


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

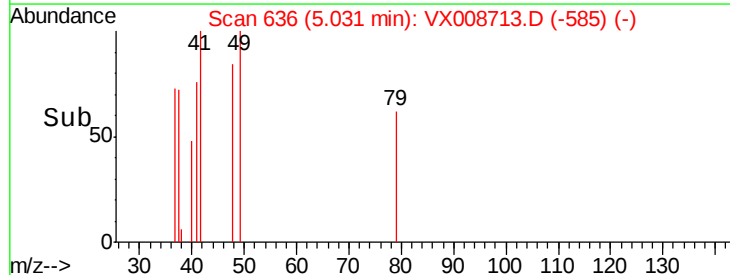
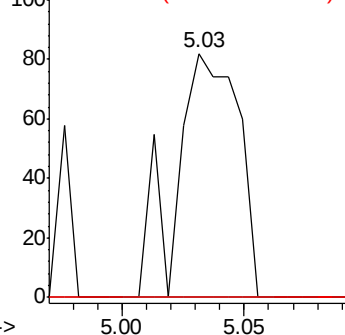


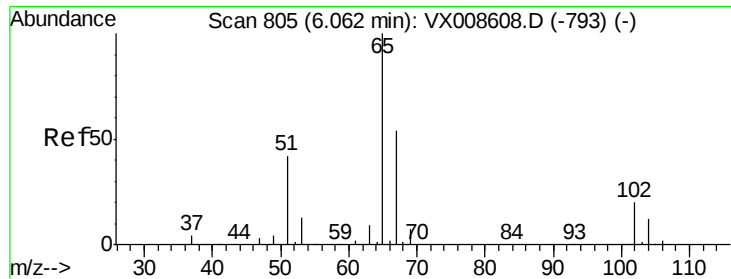
#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX008713.D
Acq: 06 Apr 2019 12:21

Tgt Ion: 49 Resp: 147
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



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





#33

1,2-Dichloroethane-d4

Concen: 46.490 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

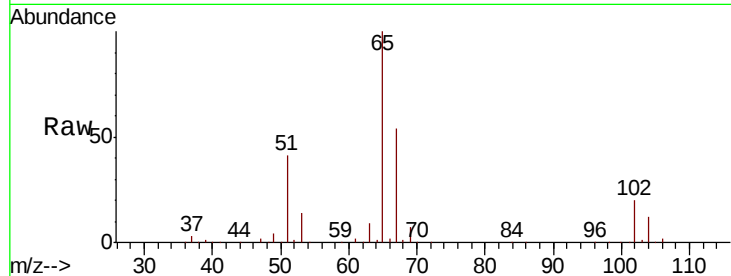
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 147175

Ion Ratio Lower Upper

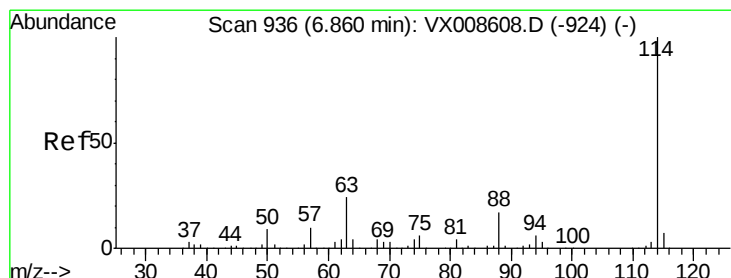
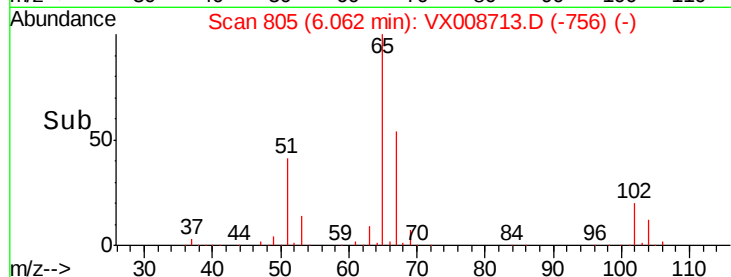
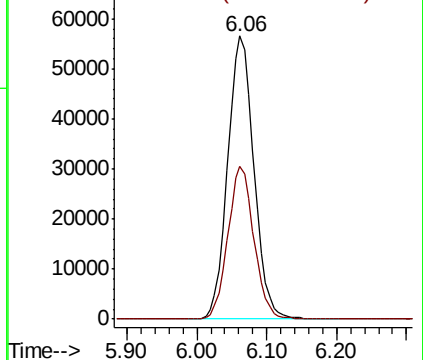
65 100

67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

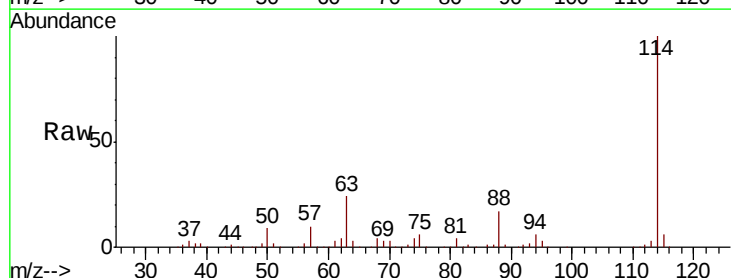
Tgt Ion: 114 Resp: 357104

Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.2

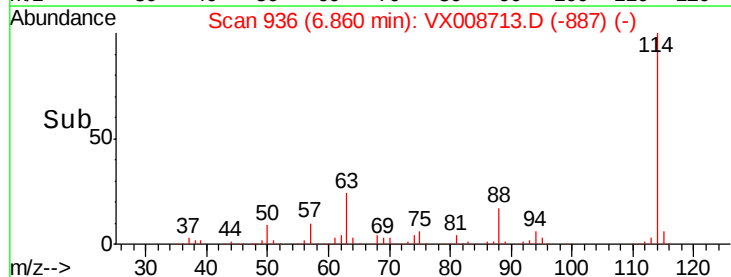
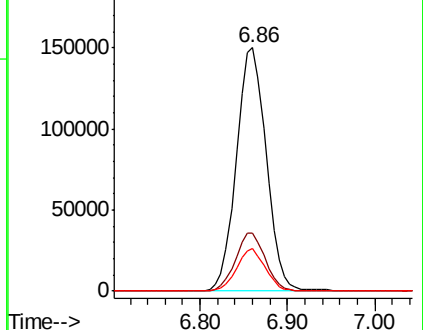
88 17.3 0.0 34.0

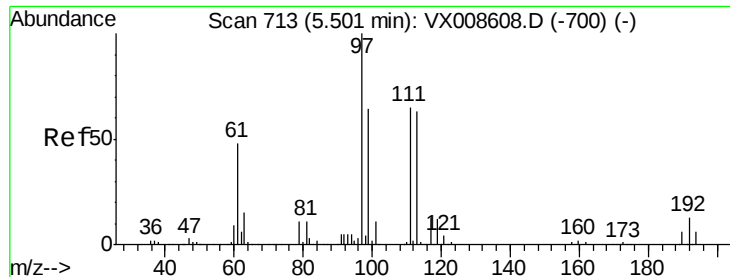


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

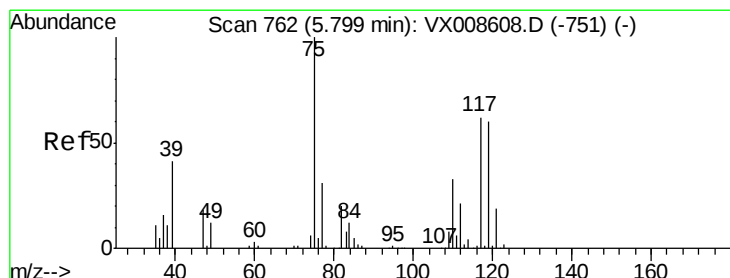
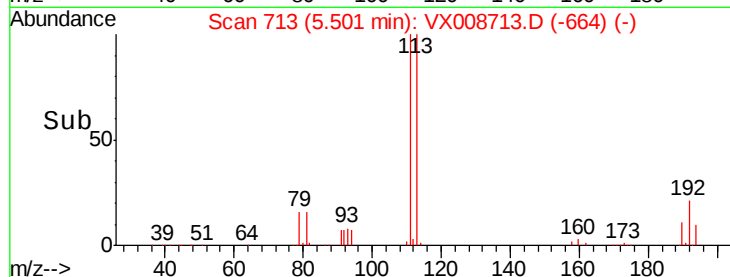
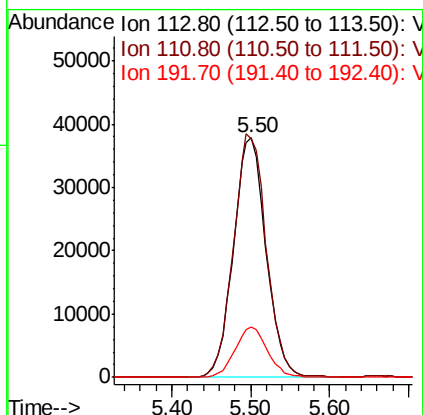
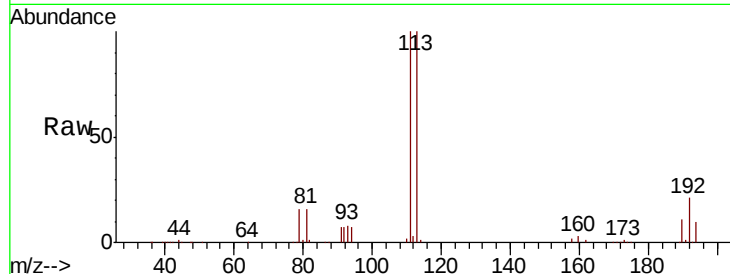




#35
 Dibromofluoromethane
 Concen: 47.599 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008713.D
 Acq: 06 Apr 2019 12:21

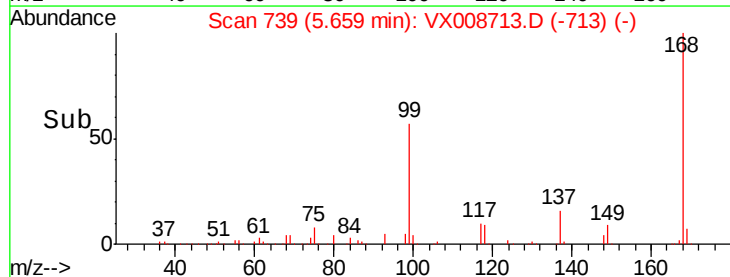
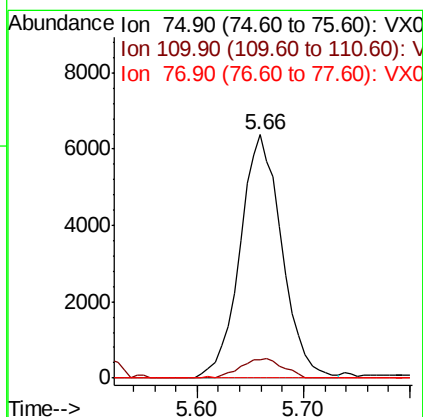
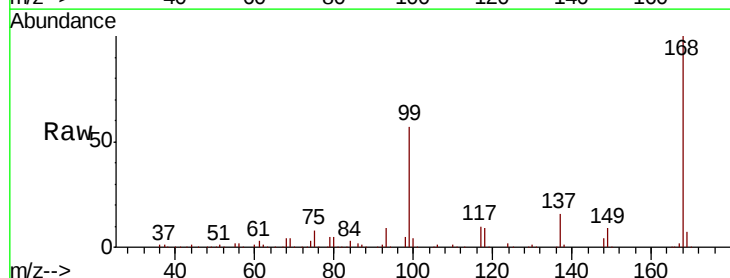
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

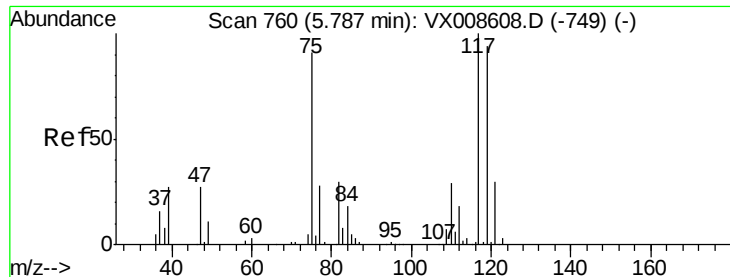
Tot Ion:113 Resp: 108678
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.2
 192 20.9 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.502 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008713.D
 Acq: 06 Apr 2019 12:21

Tgt Ion: 75 Resp: 17572
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.478 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

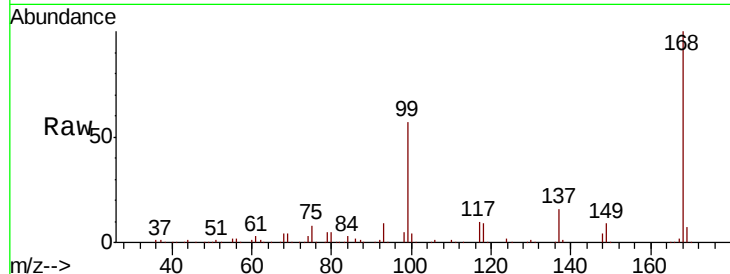
Tot Ion:117 Resp: 20930

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

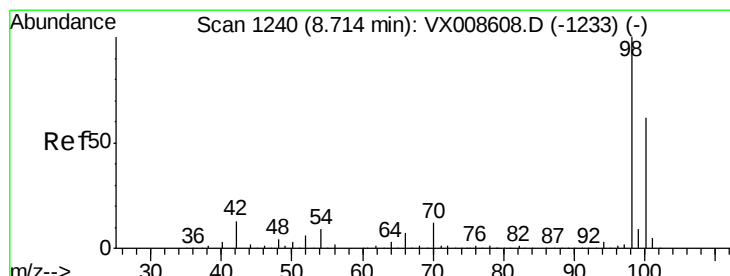
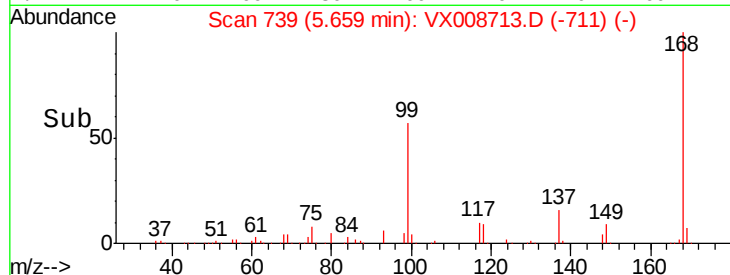
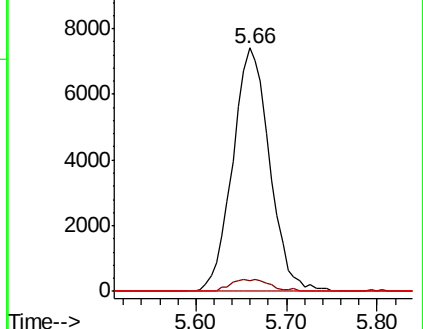
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 49.626 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008713.D

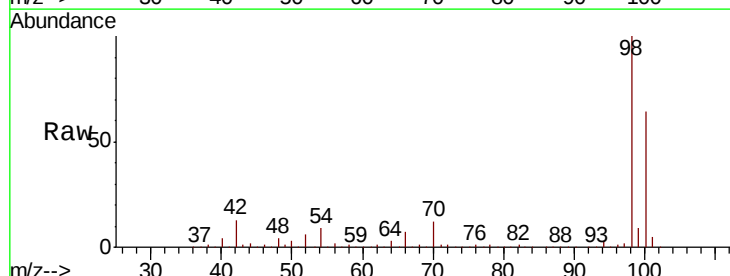
Acq: 06 Apr 2019 12:21

Tgt Ion: 98 Resp: 451148

Ion Ratio Lower Upper

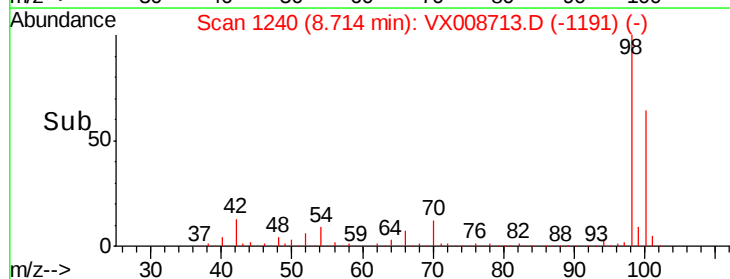
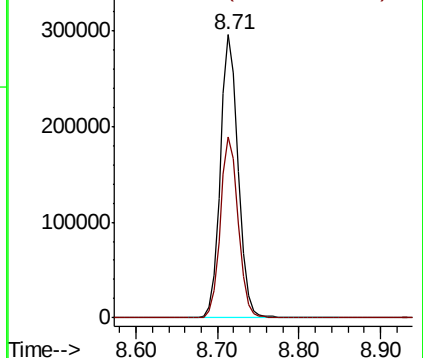
98 100

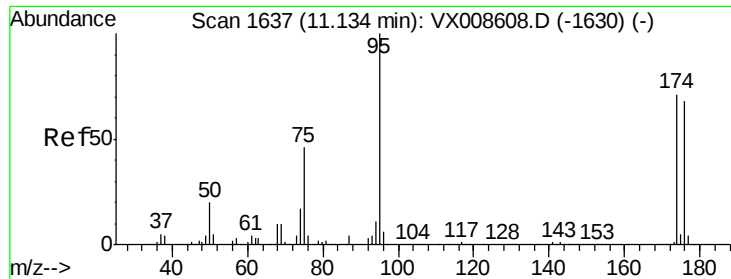
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.526 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

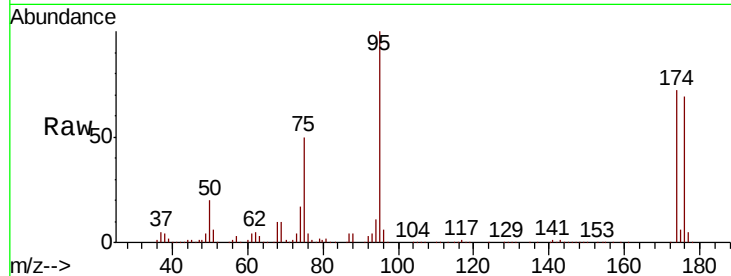
Tot Ion: 95 Resp: 153217

Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.8

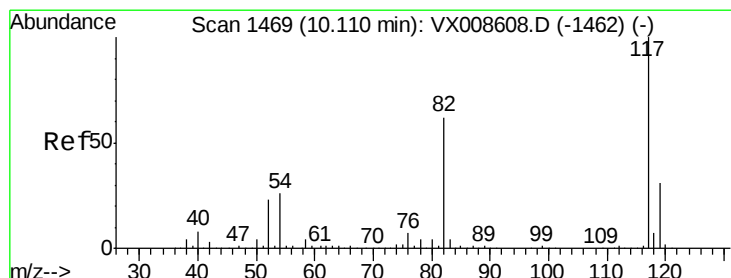
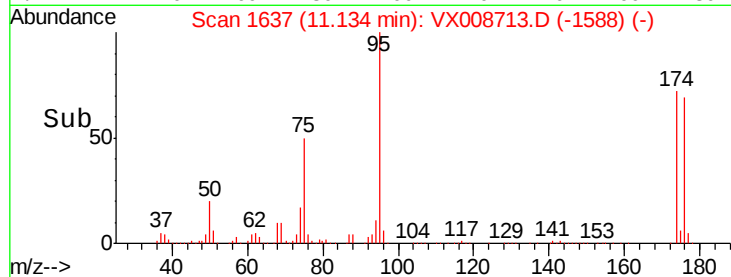
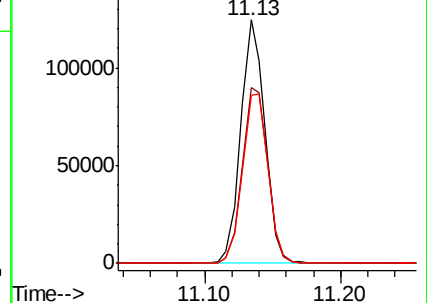
176 74.0 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

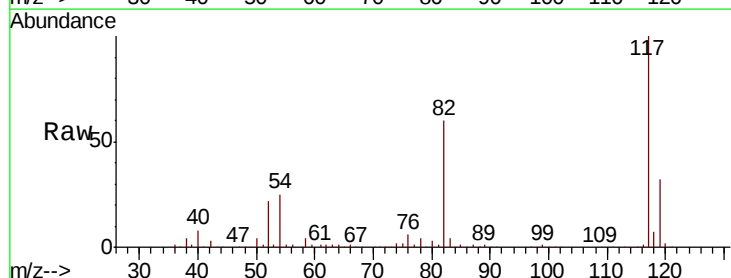
Tgt Ion: 117 Resp: 311190

Ion Ratio Lower Upper

117 100

82 60.4 49.6 74.4

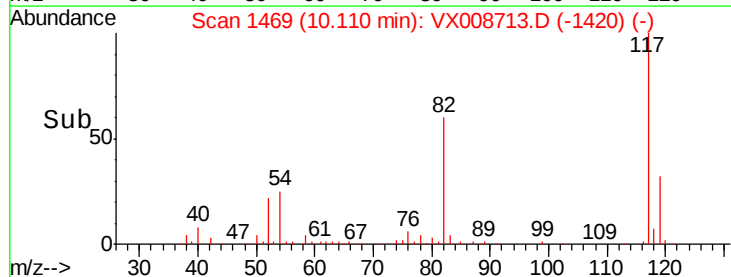
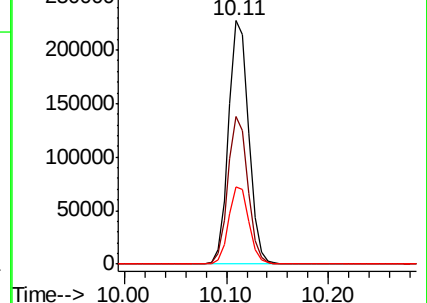
119 31.6 25.0 37.4

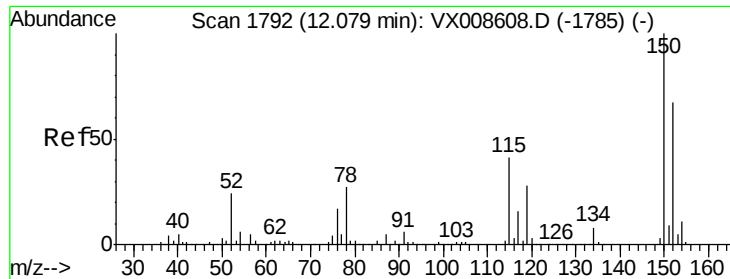


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)



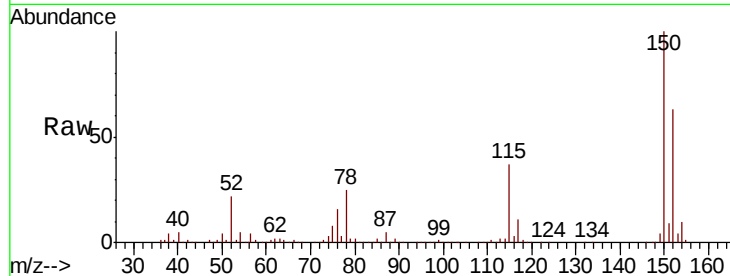


#72

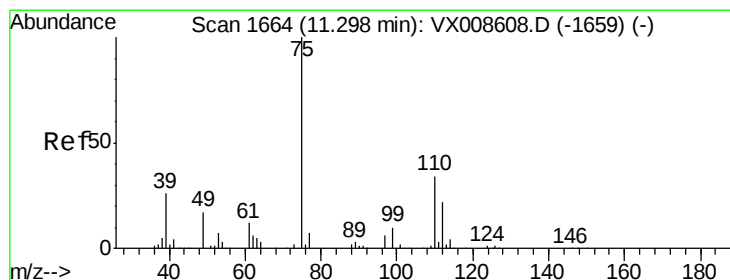
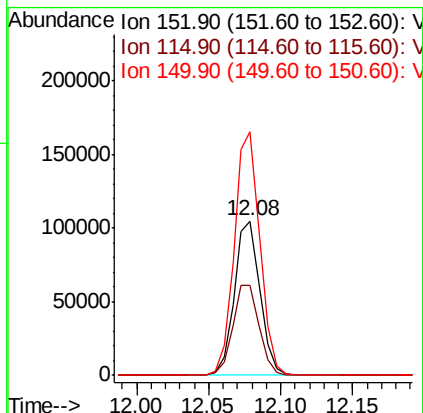
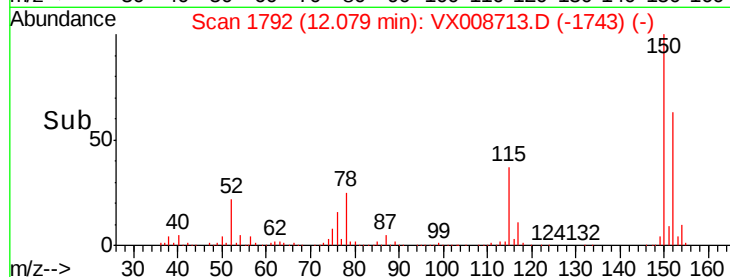
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008713.D
Acq: 06 Apr 2019 12:21

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

Tot Ion:152 Resp: 129973
Ion Ratio Lower Upper
152 100
115 60.5 43.5 130.5
150 157.9 0.0 348.8



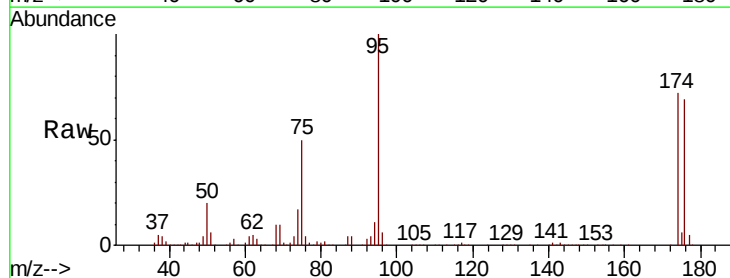
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



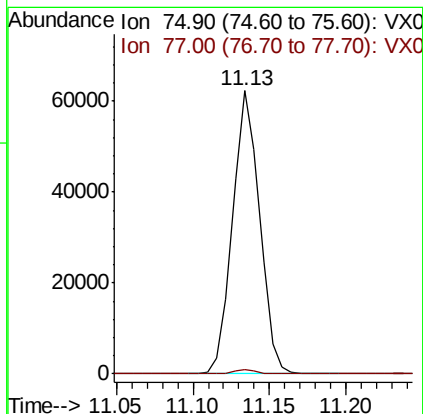
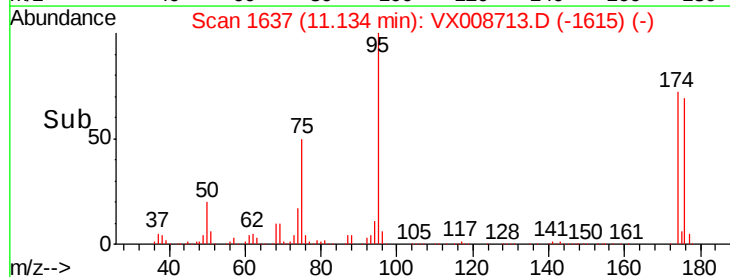
#76

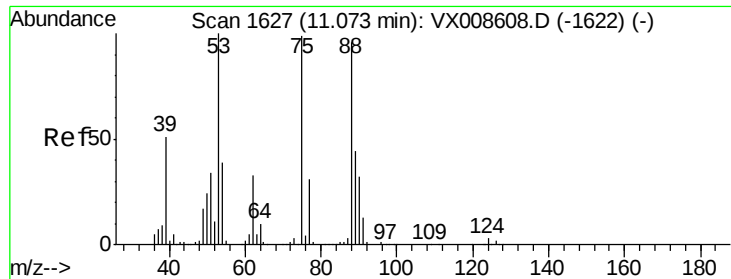
1,2,3-Trichloropropane
Concen: 21.438 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008713.D
Acq: 06 Apr 2019 12:21

Tgt Ion: 75 Resp: 76543
Ion Ratio Lower Upper
75 100
77 1.3 22.3 66.8#



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: 59.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008713.D

Acq: 06 Apr 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 76543

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

