

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042219\
 Data File : VX009090.D
 Acq On : 22 Apr 2019 12:29
 Operator : JC/SP
 Sample : K2488-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Apr 23 02:32:10 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	247062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	403698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149126	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	163308	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	5.50	113	121024	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	8.71	98	499866	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	165954	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

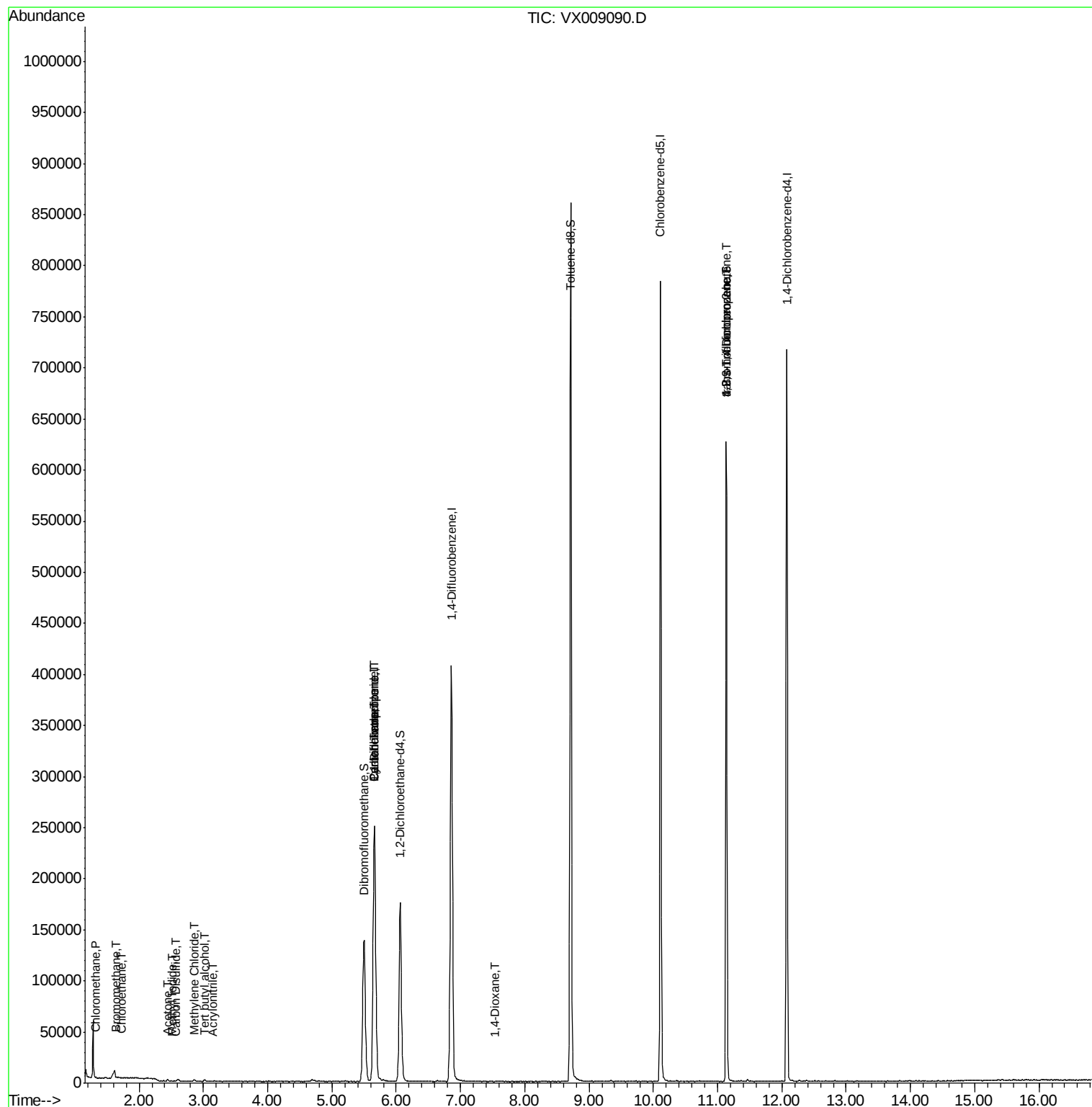
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	705	0.202	ug/l	92
5) Bromomethane	1.65	94	282	3.971	ug/l #	57
6) Chloroethane	1.72	64	413	0.207	ug/l #	78
10) Methyl Iodide	2.52	142	381	4.540	ug/l #	87
11) Tert butyl alcohol	3.01	59	1208	1.563	ug/l #	83
15) Acrylonitrile	3.15	53	468	0.239	ug/l #	30
16) Acetone	2.44	43	1651	0.914	ug/l	94
17) Carbon Disulfide	2.57	76	853	1.359	ug/l #	89
20) Methylene Chloride	2.85	84	703	0.228	ug/l #	88
28) Bromochloromethane	5.01	49	114	Below Cal	#	21
31) Cyclohexane	5.67	56	5505	0.993	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19705	4.720	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23216	6.559	ug/l #	18
49) 1,4-Dioxane	7.54	88	19	0.237	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85007	23.345	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	85007	59.933	ug/l #	11

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

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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: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

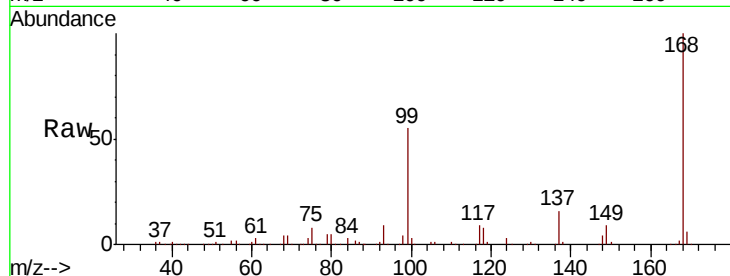
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 247062

Ion Ratio Lower Upper

168 100

99 55.4 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

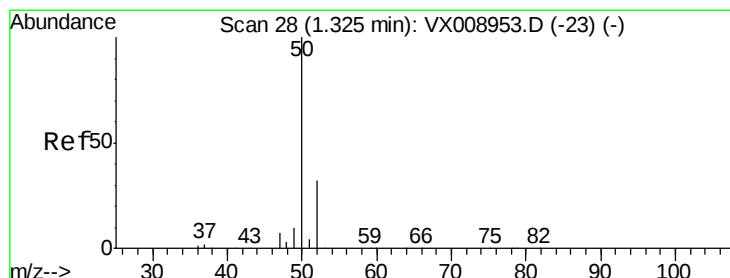
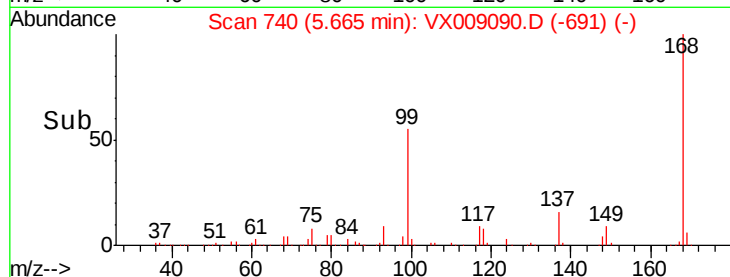
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009090.D

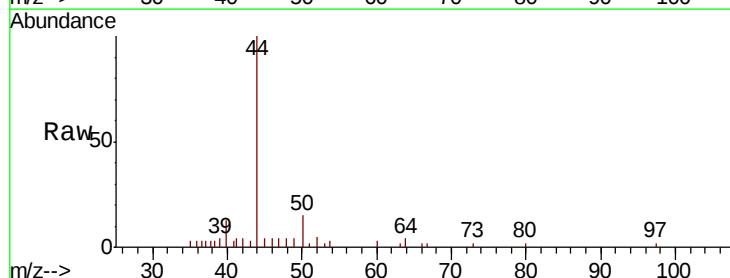
Acq: 22 Apr 2019 12:29

Tgt Ion: 50 Resp: 705

Ion Ratio Lower Upper

50 100

52 36.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

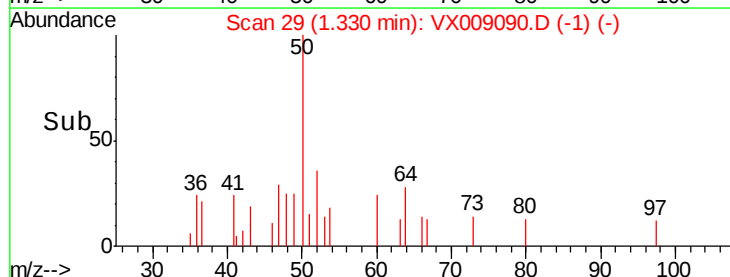
300

200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 3.971 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

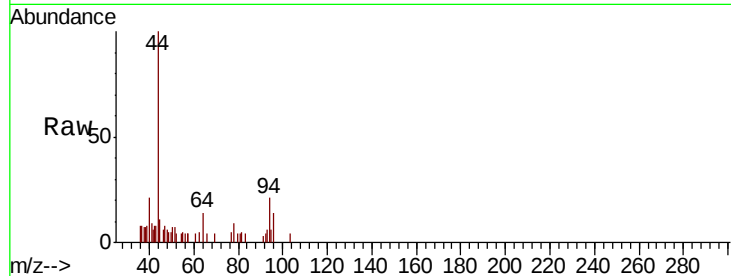
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 282

Ion Ratio Lower Upper

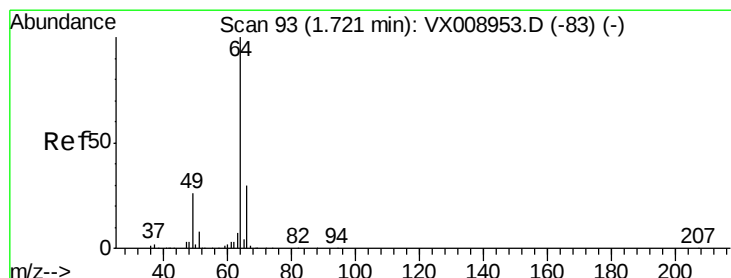
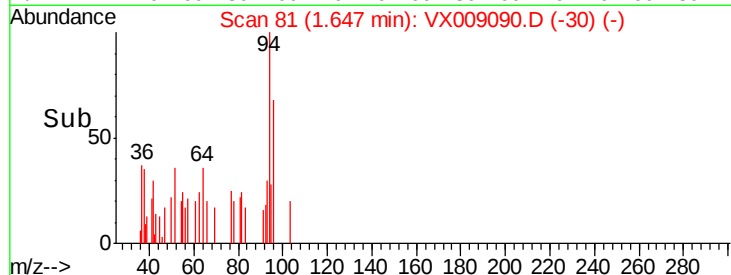
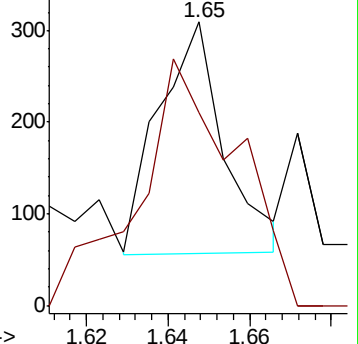
94 100

96 51.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.207 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009090.D

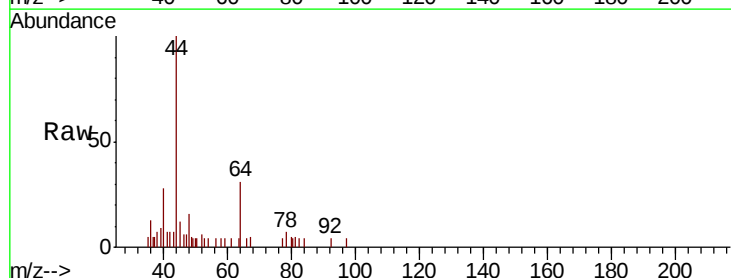
Acq: 22 Apr 2019 12:29

Tgt Ion: 64 Resp: 413

Ion Ratio Lower Upper

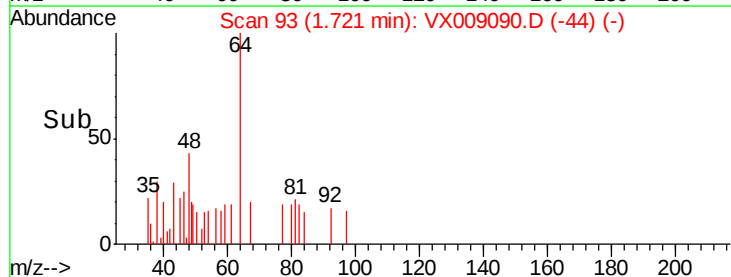
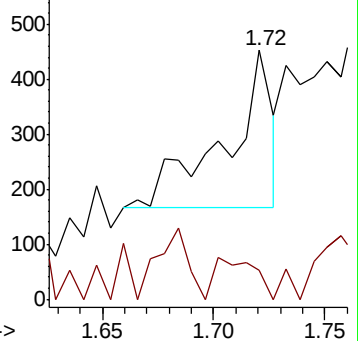
64 100

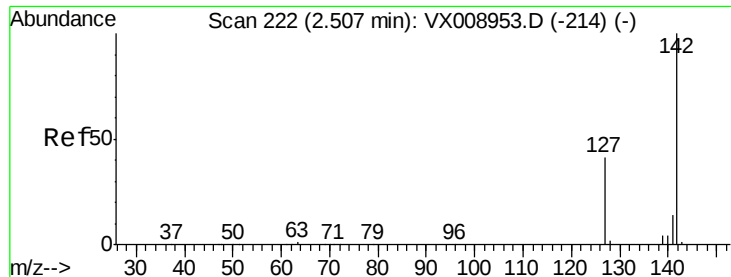
66 18.2 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

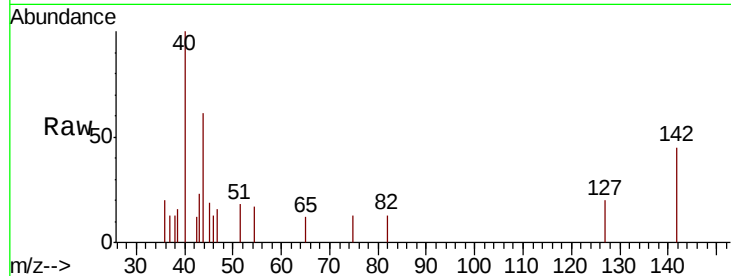




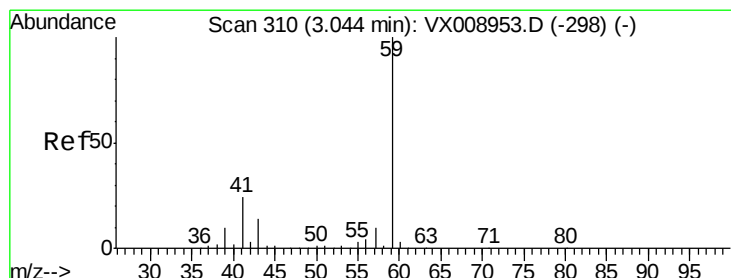
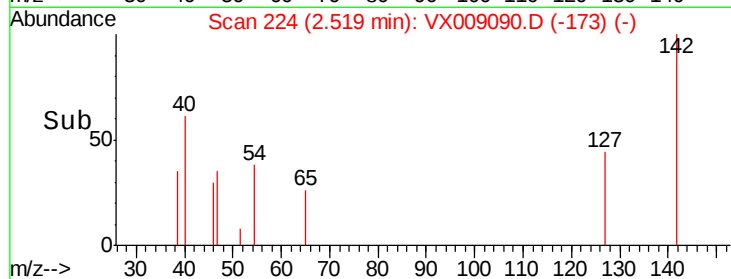
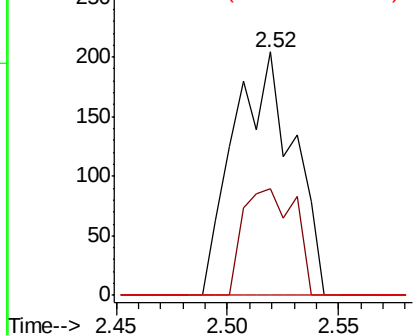
#10
Methvl Iodide
Concen: 4.540 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009090.D
Acq: 22 Apr 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:142 Resp: 381
Ion Ratio Lower Upper
142 100
127 38.1 32.8 49.2
141 0.0 11.4 17.2#

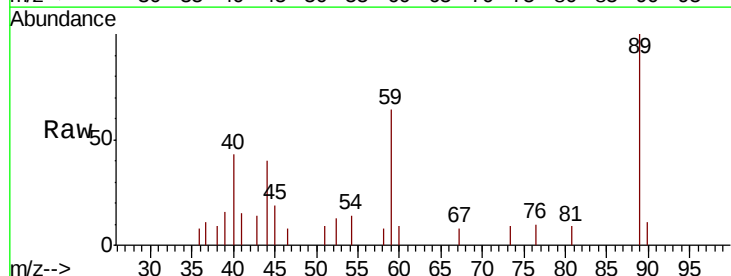


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

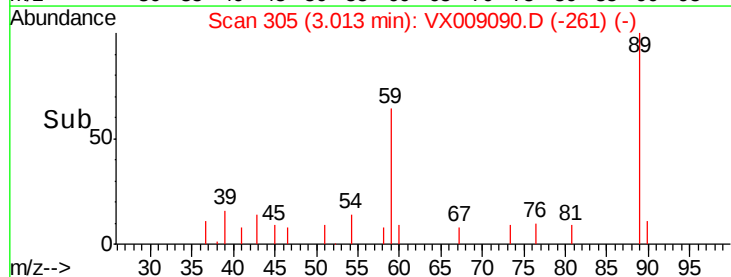
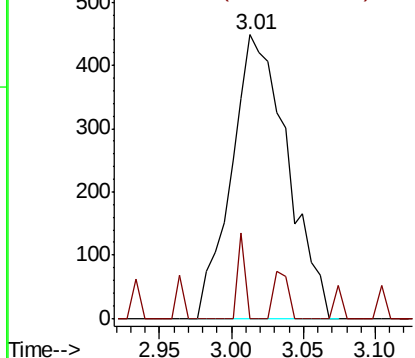


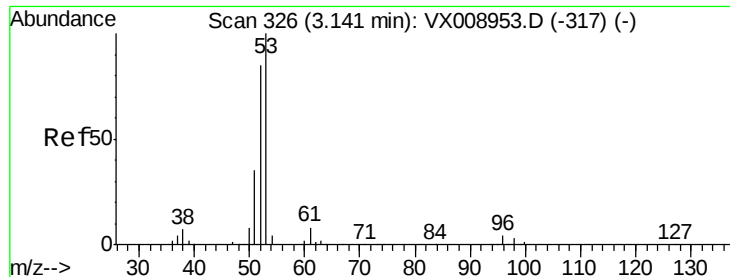
#11
Tert butyl alcohol
Concen: 1.563 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.03 min
Lab File: VX009090.D
Acq: 22 Apr 2019 12:29

Tgt Ion: 59 Resp: 1208
Ion Ratio Lower Upper
59 100
57 4.1 8.4 12.6#



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





#15

Acrylonitrile

Concen: 0.239 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

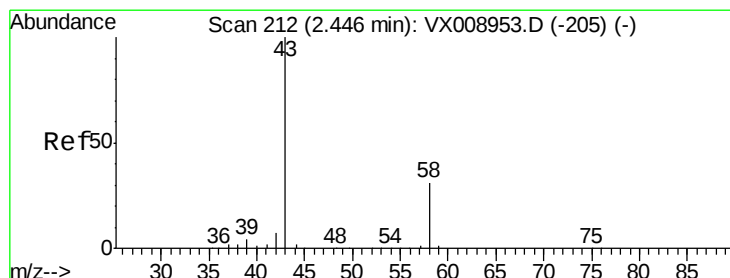
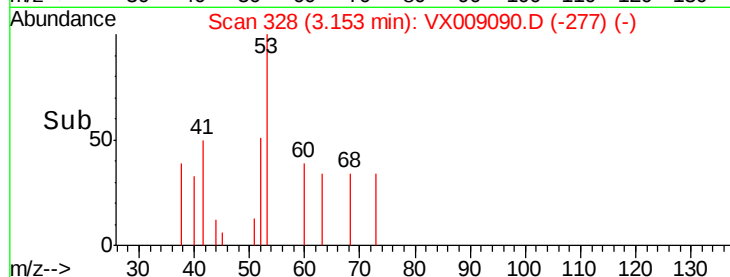
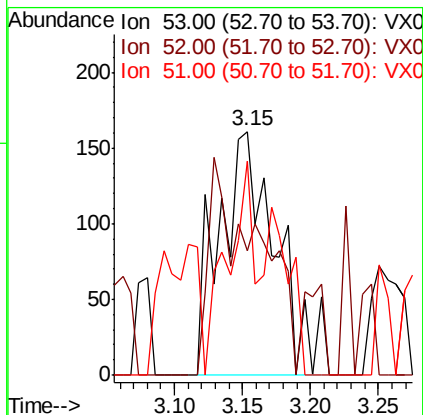
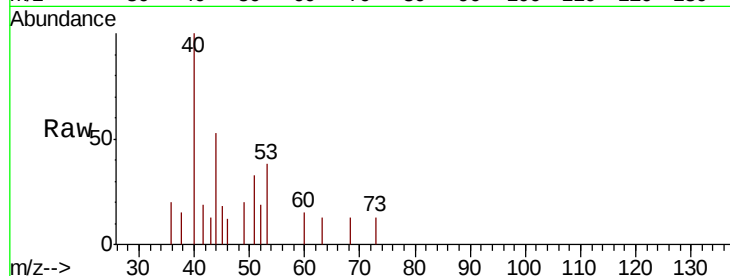
Tot Ion: 53 Resp: 468

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 44.7 28.3 42.5#



#16

Acetone

Concen: 0.914 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009090.D

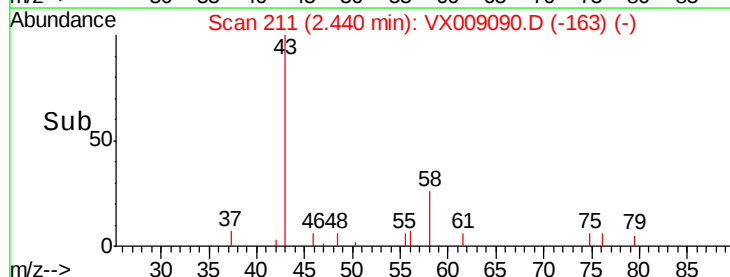
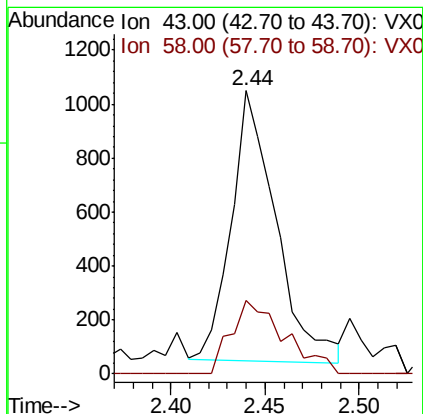
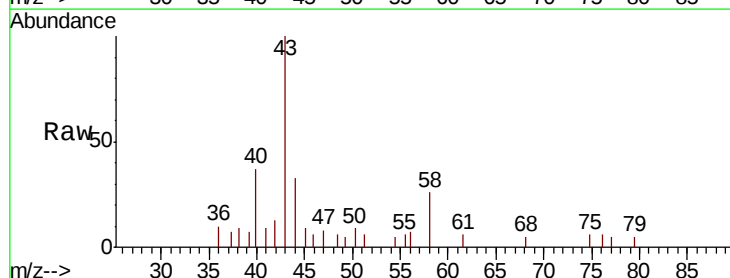
Acq: 22 Apr 2019 12:29

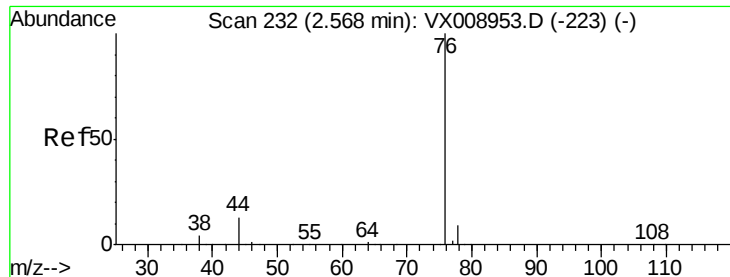
Tgt Ion: 43 Resp: 1651

Ion Ratio Lower Upper

43 100

58 27.5 24.8 37.2





#17

Carbon Disulfide

Concen: 1.359 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

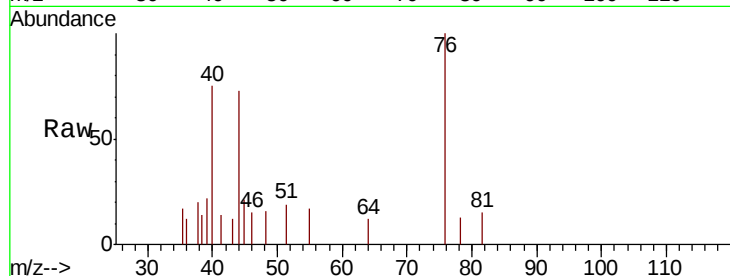
STORAGE-BLANK-WATER-REF-5

Tot Ion: 76 Resp: 853

Ion Ratio Lower Upper

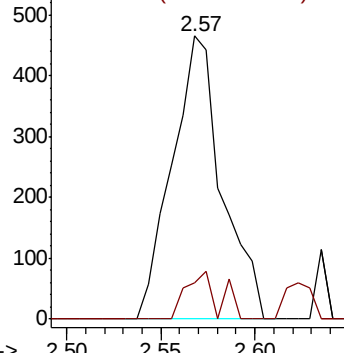
76 100

78 12.9 7.2 10.8#

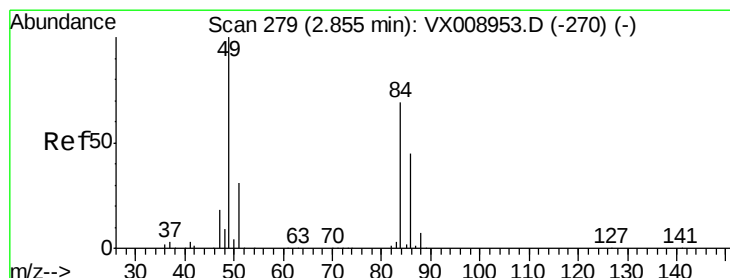
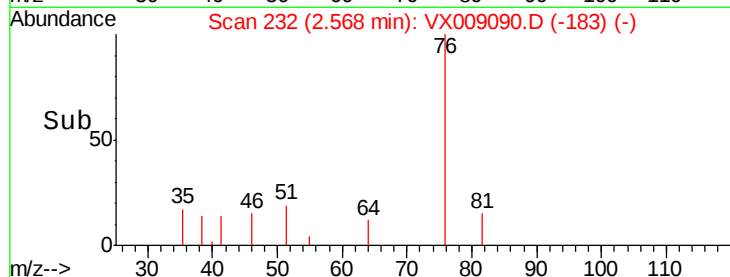


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.228 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Tgt Ion: 84 Resp: 703

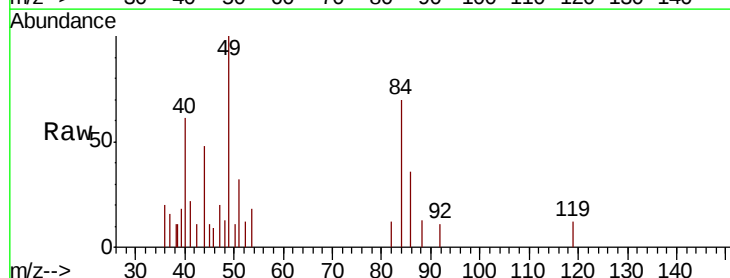
Ion Ratio Lower Upper

84 100

49 128.5 115.4 173.0

51 46.1 35.8 53.6

86 51.1 52.1 78.1#

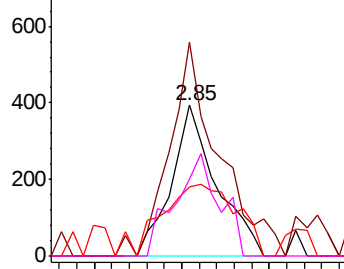


Abundance Ion 83.90 (83.60 to 84.60): VX0

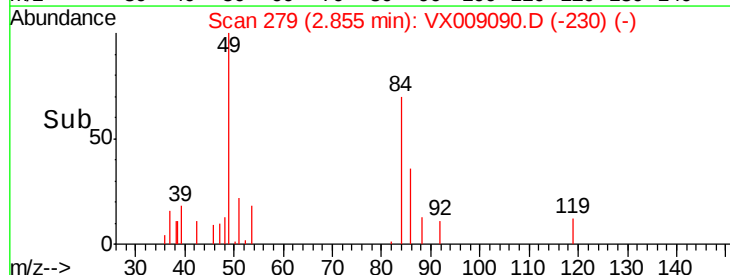
Ion 48.90 (48.60 to 49.60): VX0

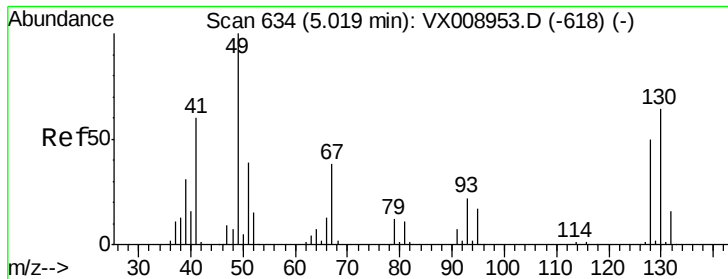
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time--> 2.80 2.85 2.90





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

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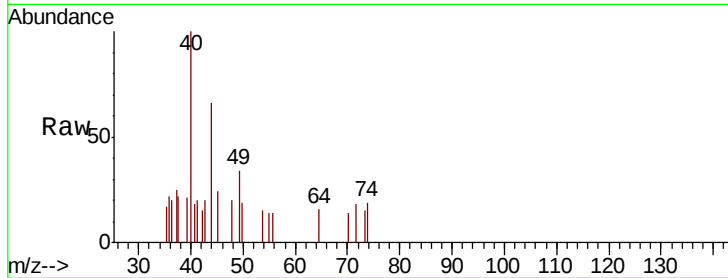
Tot Ion: 49 Resp: 114

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

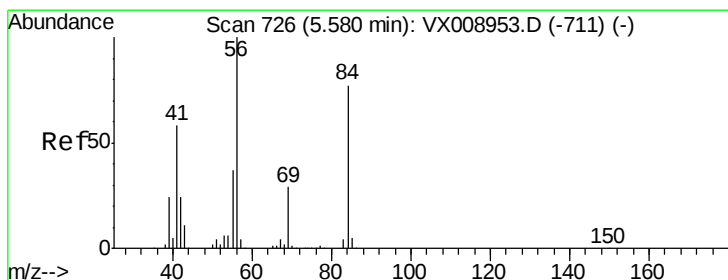
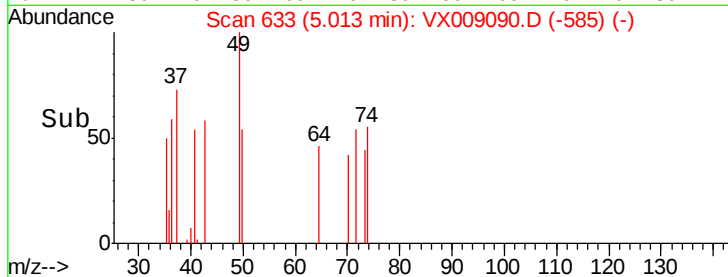
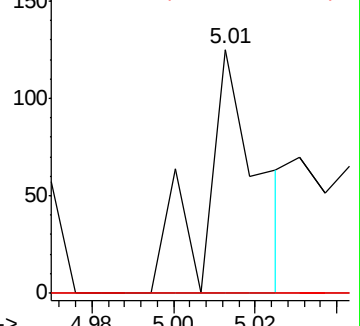
130 0.0 50.4 75.6#



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



#31

Cyclohexane

Concen: 0.993 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

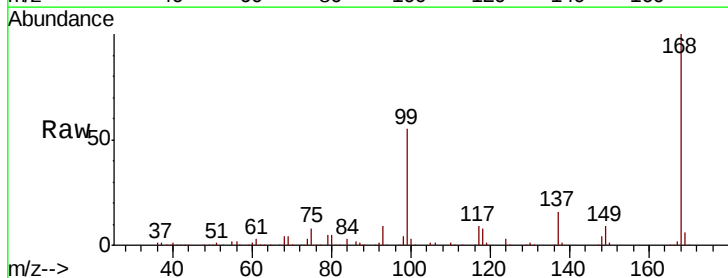
Tgt Ion: 56 Resp: 5505

Ion Ratio Lower Upper

56 100

69 184.0 23.3 34.9#

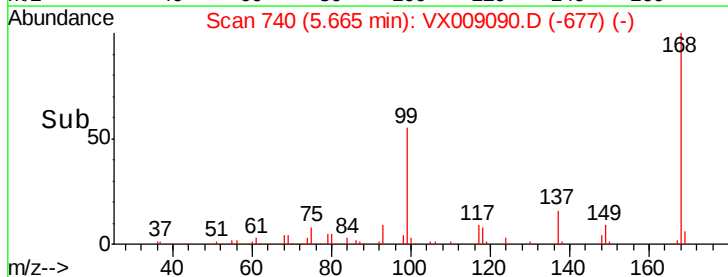
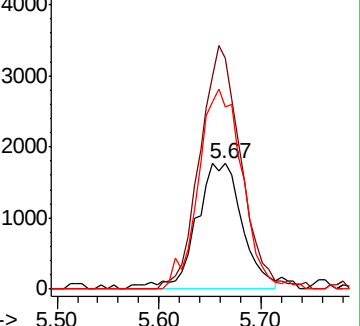
84 144.4 61.7 92.5#

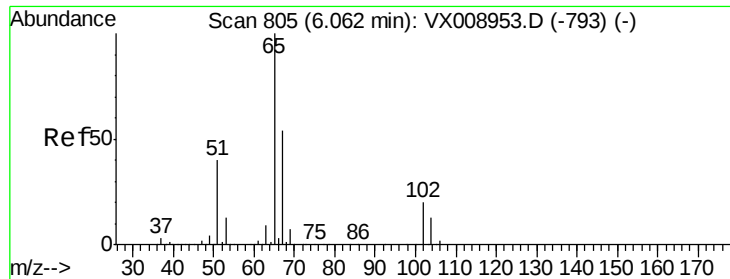


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.903 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

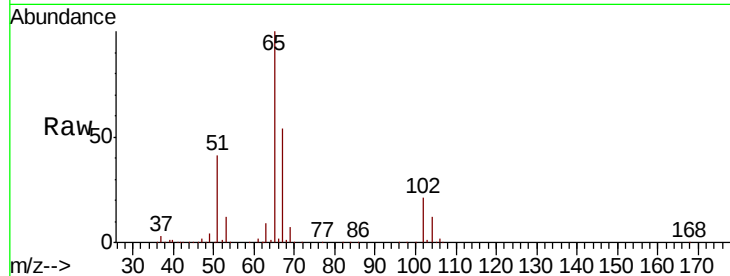
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 163308

Ion Ratio Lower Upper

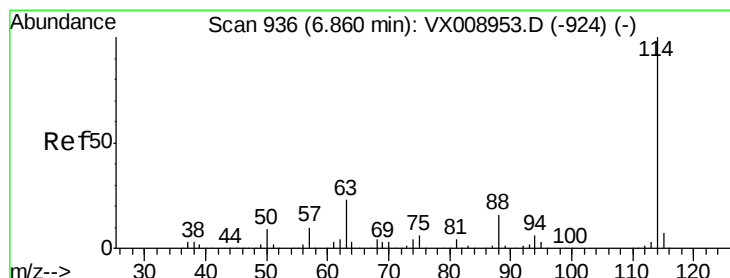
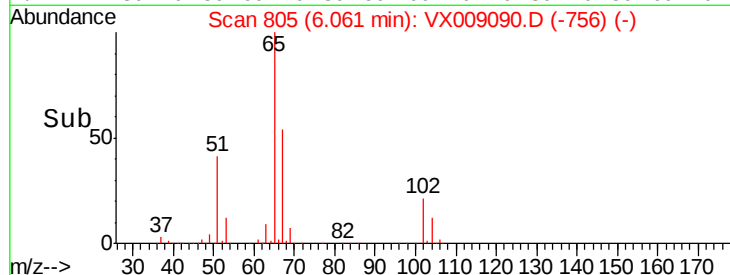
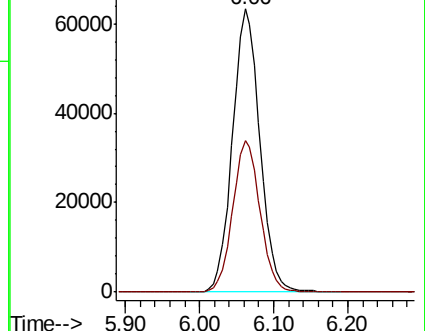
65 100

67 53.6 0.0 108.6



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: VX009090.D

Acq: 22 Apr 2019 12:29

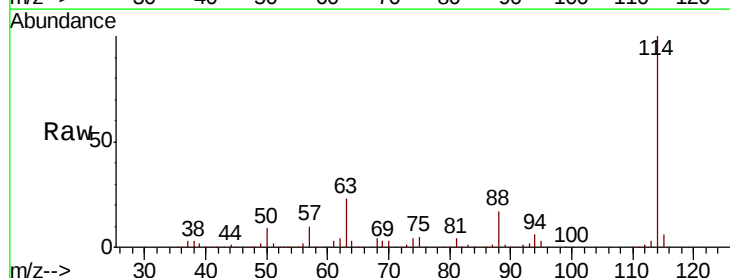
Tgt Ion: 114 Resp: 403698

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.0

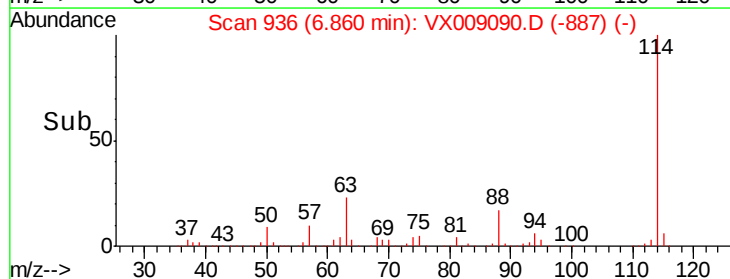
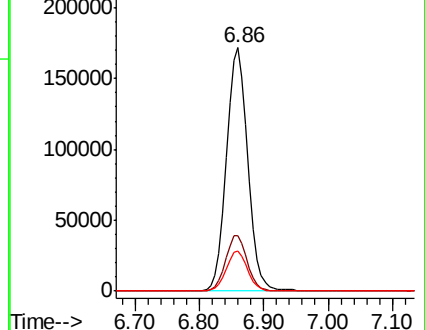
88 16.7 0.0 32.6

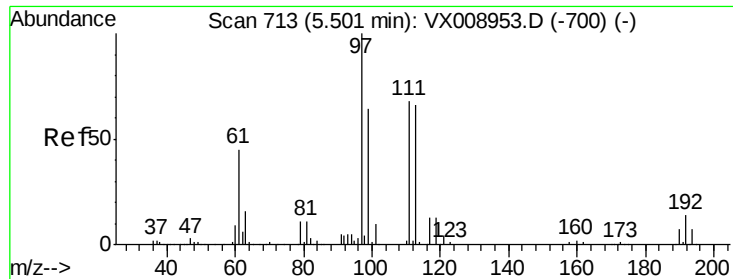


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

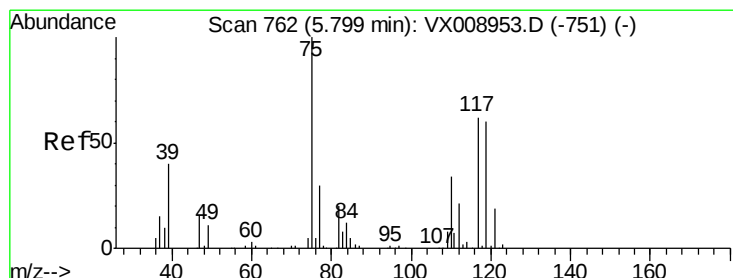
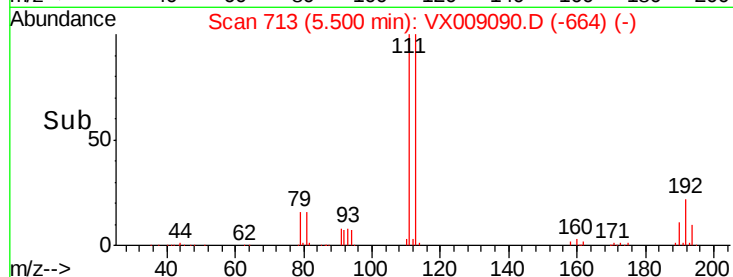
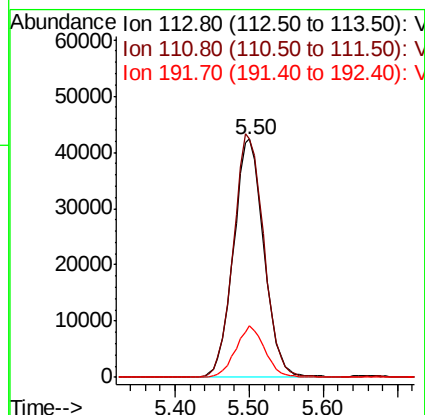
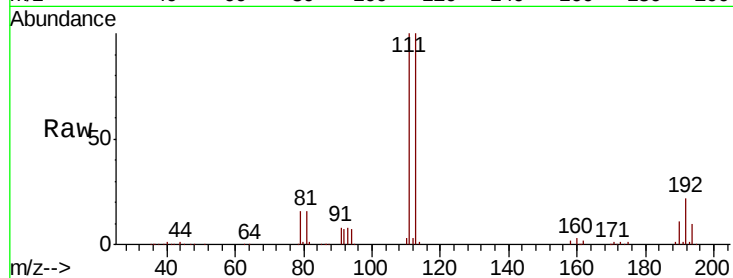




#35
Dibromofluoromethane
Concen: 46.712 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009090.D
Acq: 22 Apr 2019 12:29

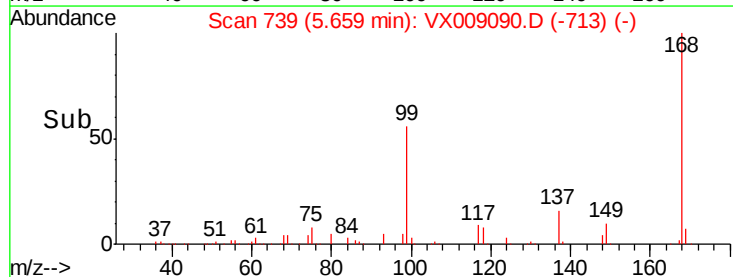
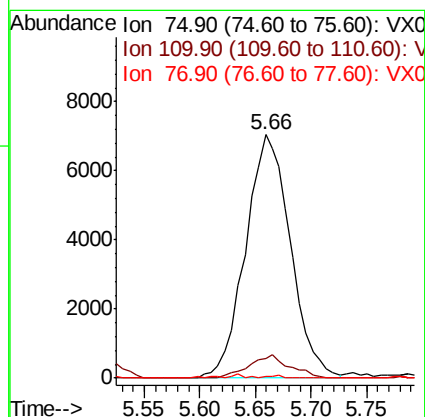
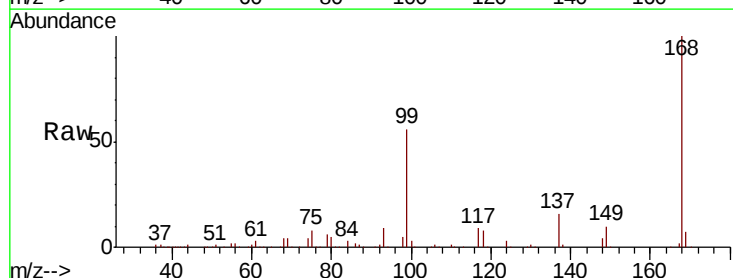
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

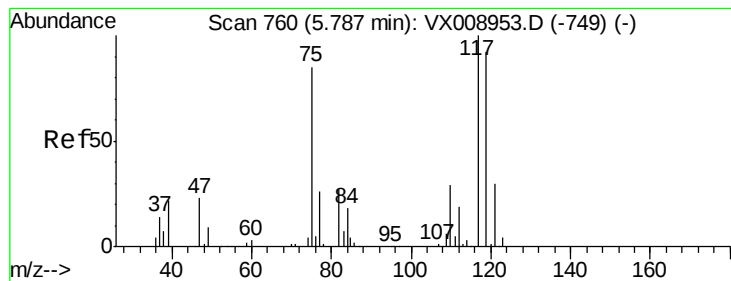
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	20.7	17.4	26.0



#36
1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009090.D
Acq: 22 Apr 2019 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.9	50.7#
77	0.4	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.559 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

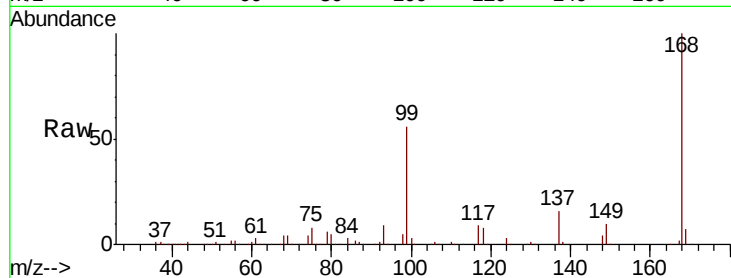
Tot Ion:117 Resp: 23216

Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

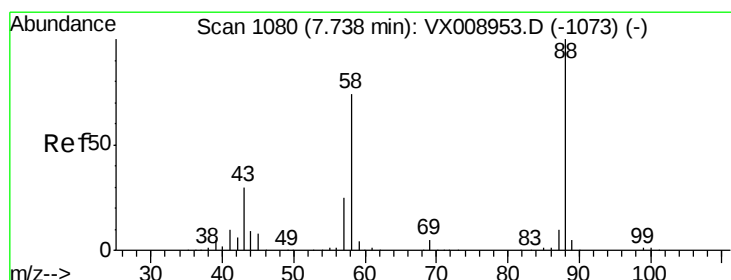
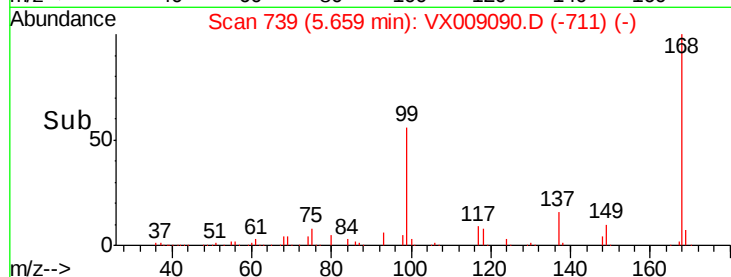
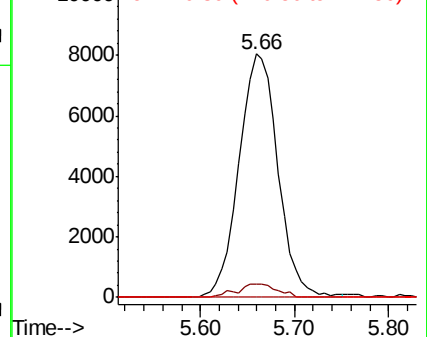
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.237 ug/l

RT: 7.54 min Scan# 1048

Delta R.T. -0.20 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

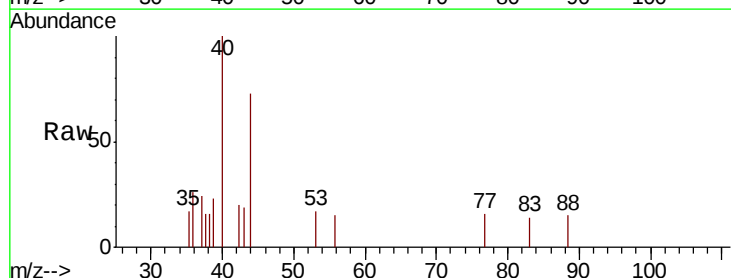
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 436.8 29.3 43.9#

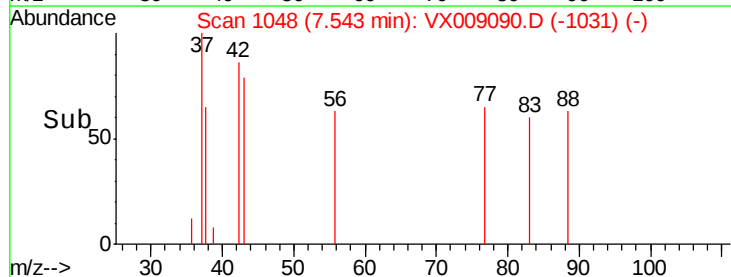
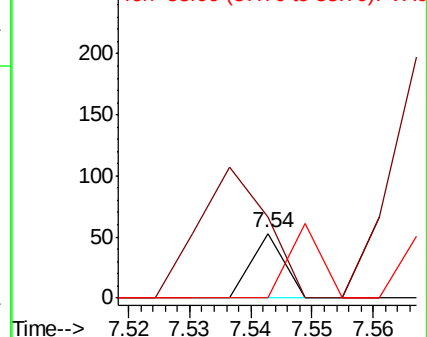
58 115.8 62.6 93.8#

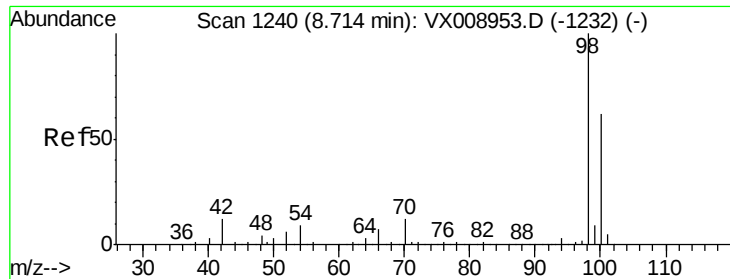


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.378 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

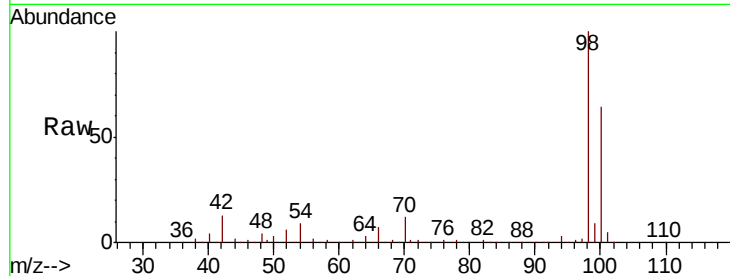
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 499866

Ion Ratio Lower Upper

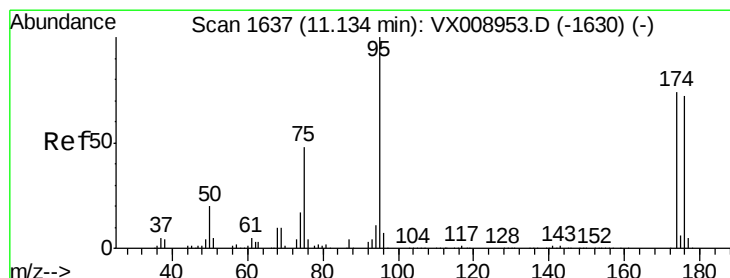
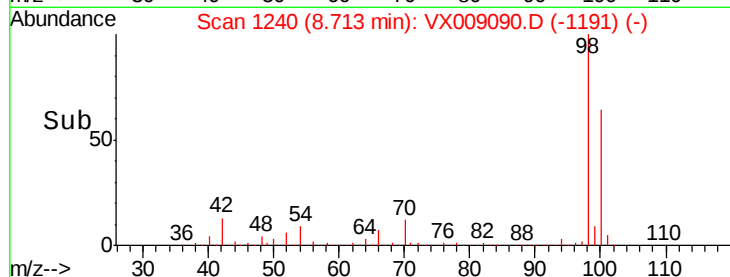
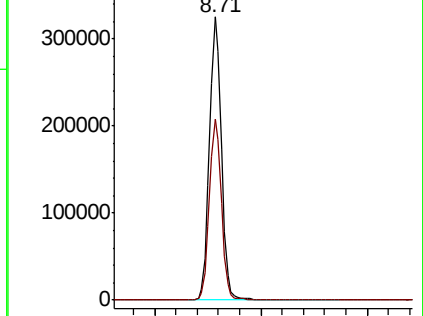
98 100

100 64.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.500 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

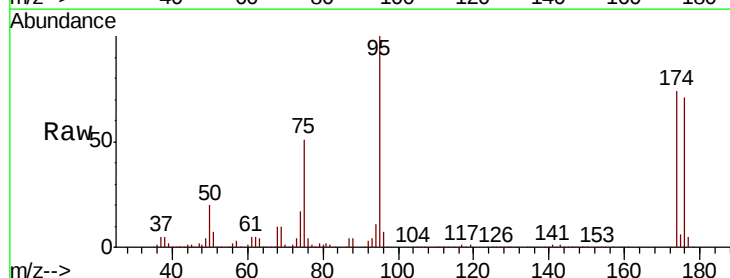
Tgt Ion: 95 Resp: 165954

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.6

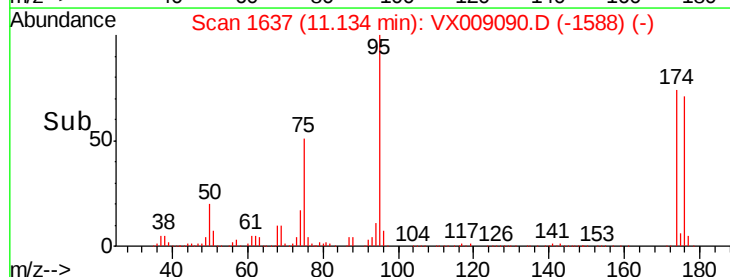
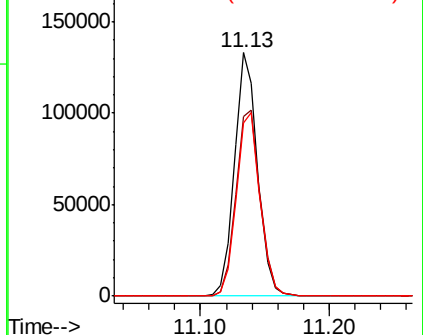
176 77.5 0.0 154.8

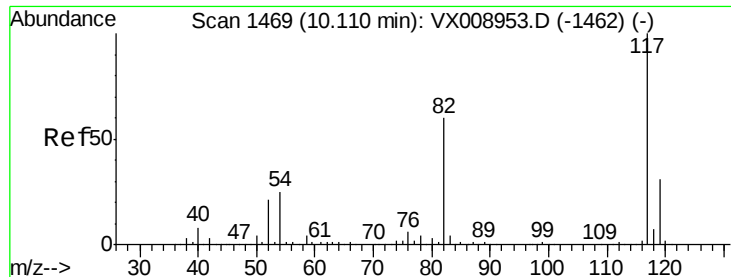


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

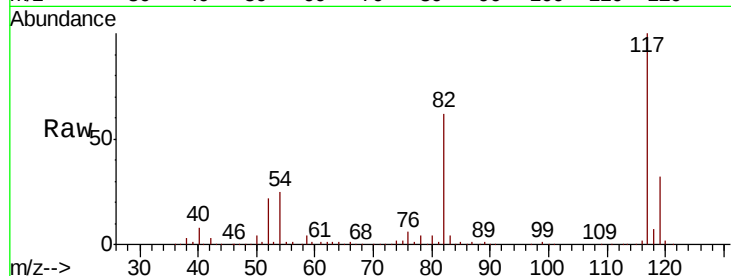




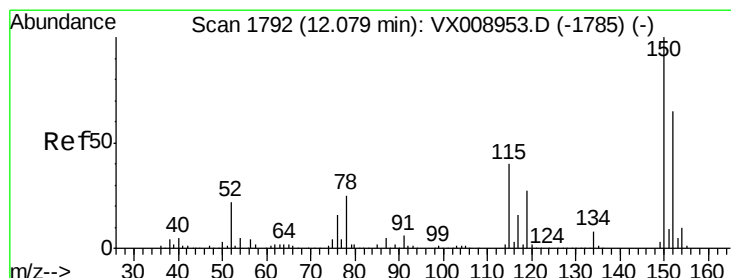
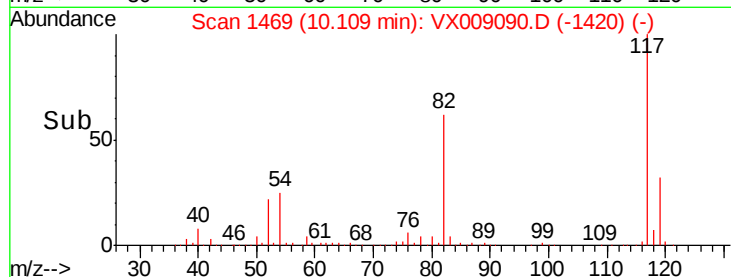
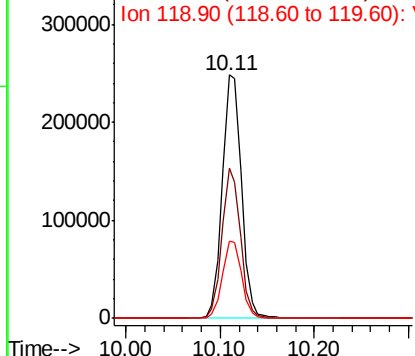
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009090.D
Acq: 22 Apr 2019 12:29

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:117 Resp: 350555
Ion Ratio Lower Upper
117 100
82 61.5 48.2 72.4
119 31.6 25.0 37.6

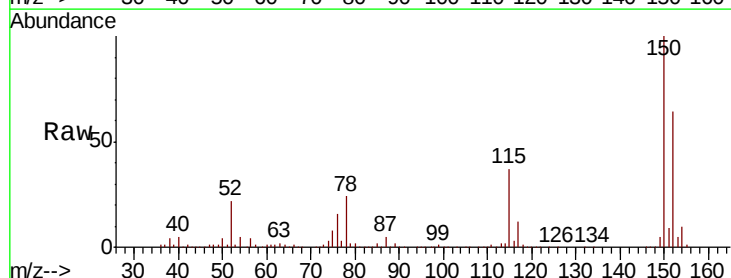


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

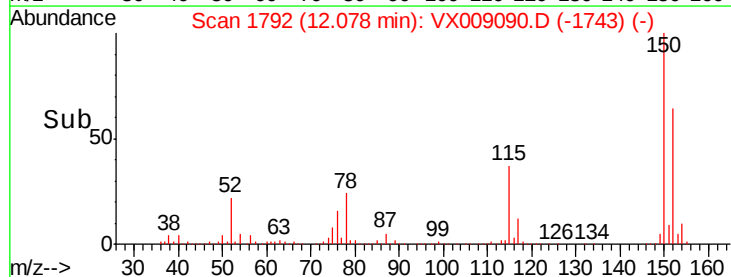
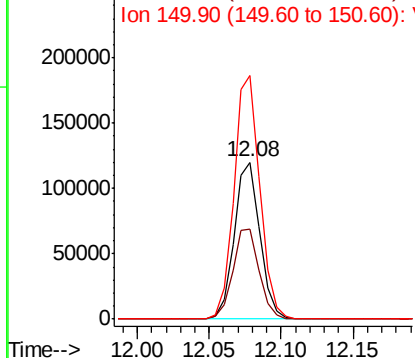


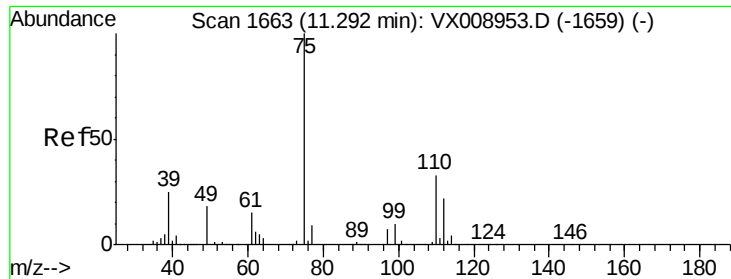
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009090.D
Acq: 22 Apr 2019 12:29

Tgt Ion:152 Resp: 149126
Ion Ratio Lower Upper
152 100
115 59.4 41.4 124.2
150 156.7 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: 23.345 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

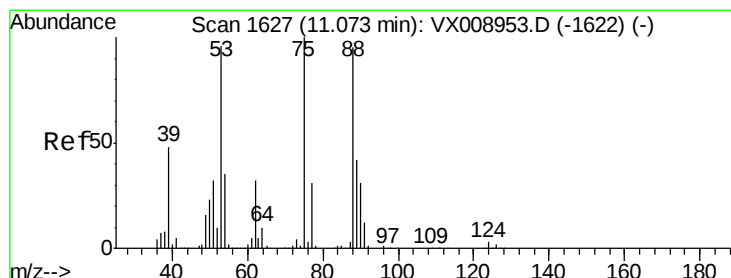
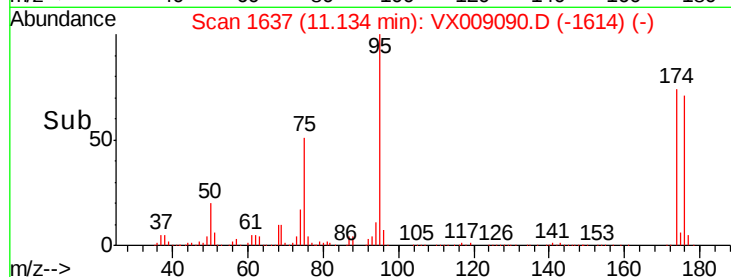
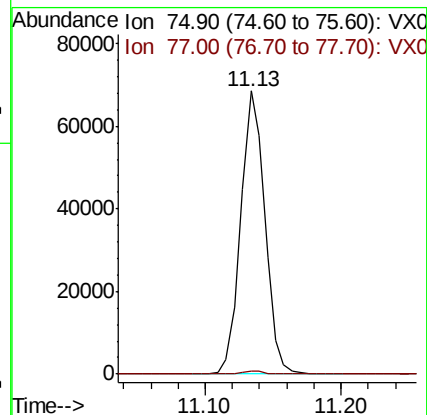
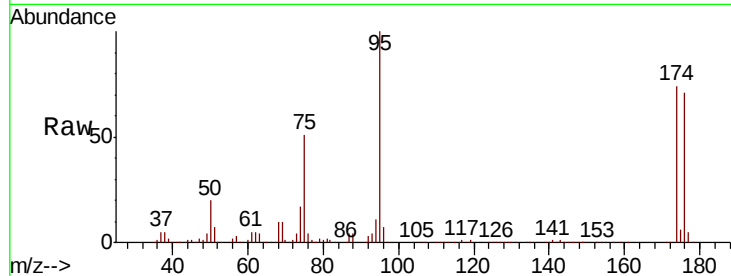
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 85007

Ion Ratio Lower Upper

75 100

77 1.2 22.7 68.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.933 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009090.D

Acq: 22 Apr 2019 12:29

Tgt Ion: 75 Resp: 85007

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.1 36.0 54.0#

