

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX010999.D
 Acq On : 19 Jul 2019 13:54
 Operator : JC/SP
 Sample : K3917-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jul 20 01:00:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347702	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	321845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152130	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	117139	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	5.50	113	106691	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.71	98	416856	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	148040	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	

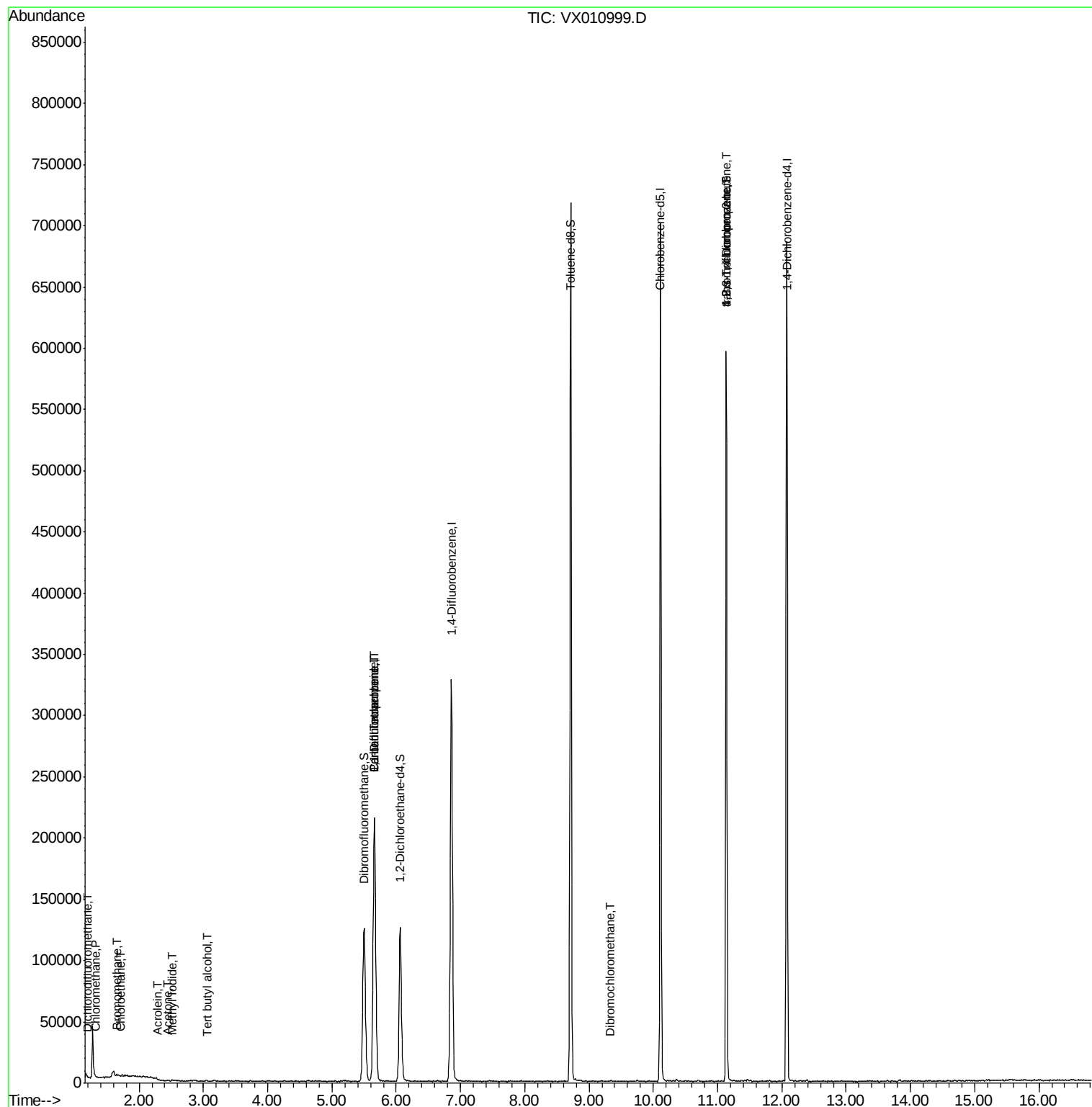
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	137	0.605	ug/l #	43
3) Chloromethane	1.33	50	490	0.244	ug/l #	68
5) Bromomethane	1.66	94	752	0.652	ug/l #	78
6) Chloroethane	1.71	64	337	0.259	ug/l #	44
10) Methyl Iodide	2.52	142	687	0.265	ug/l #	72
11) Tert butyl alcohol	3.06	59	412	0.762	ug/l #	64
13) Acrolein	2.29	56	128	0.410	ug/l #	70
16) Acetone	2.43	43	736	0.702	ug/l #	79
36) 1,1-Dichloropropene	5.66	75	14606	5.114	ug/l #	48
38) Carbon Tetrachloride	5.66	117	19906	6.689	ug/l #	18
60) Dibromochloromethane	9.34	129	59	2.548	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	74277	27.056	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	74277	67.072	ug/l #	11

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

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Quant Time: Jul 20 01:00:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 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: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

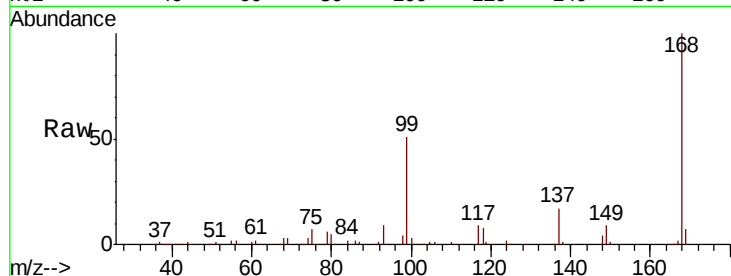
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 218308

Ion Ratio Lower Upper

168 100

99 51.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

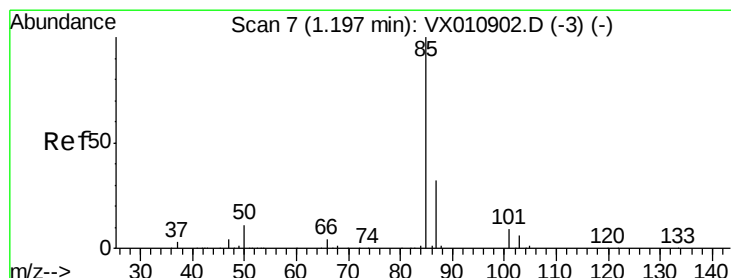
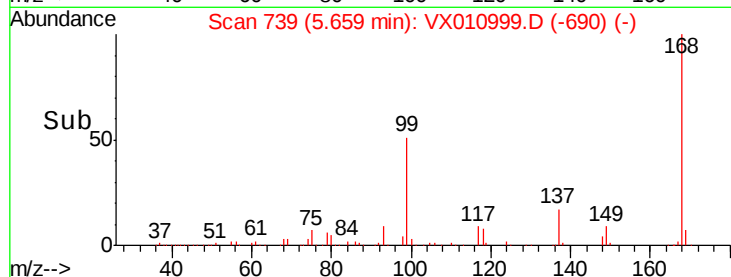
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.605 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010999.D

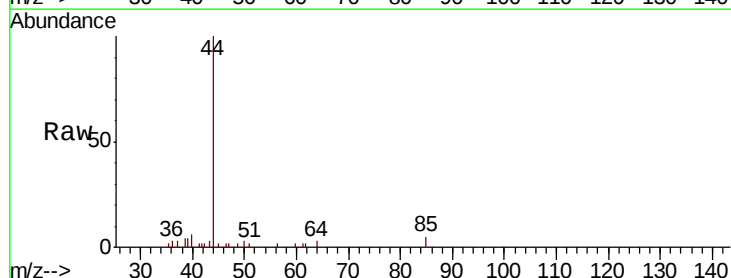
Acq: 19 Jul 2019 13:54

Tgt Ion: 85 Resp: 137

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

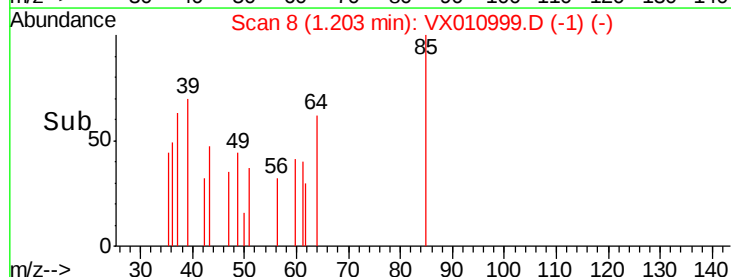
150

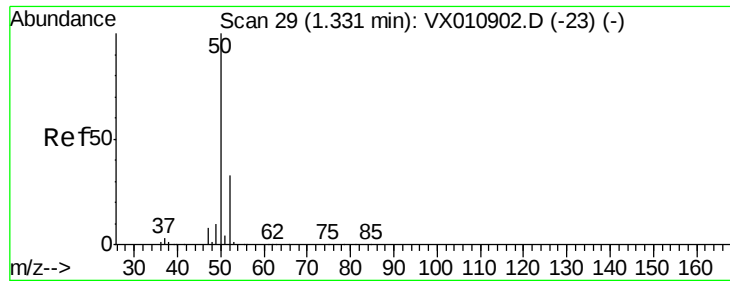
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

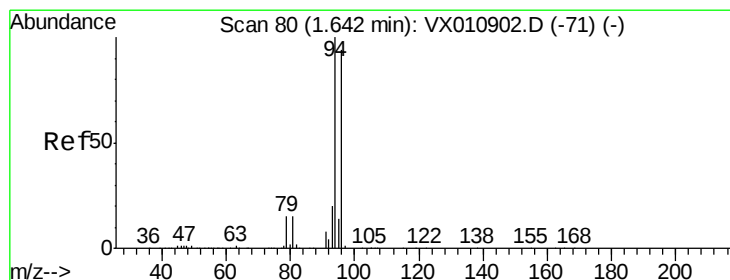
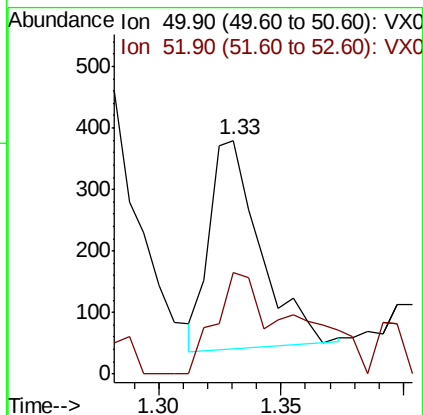
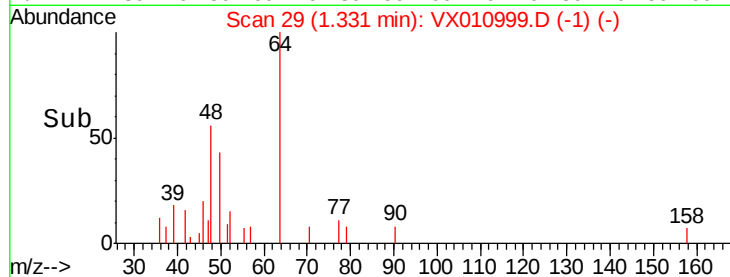
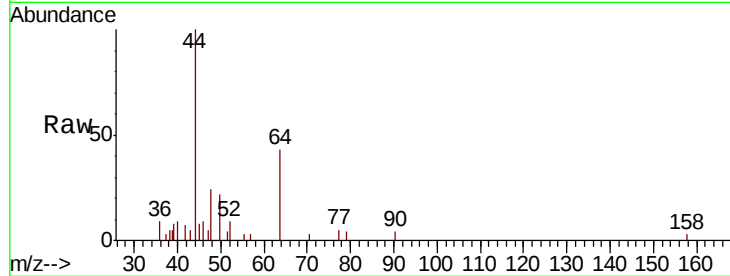
STORAGE-BLANK-WATER-REF-4

Tot Ion: 50 Resp: 490

Ion Ratio Lower Upper

50 100

52 50.9 26.4 39.6#



#5

Bromomethane

Concen: 0.652 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010999.D

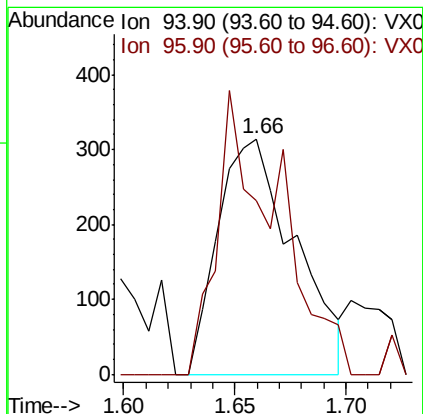
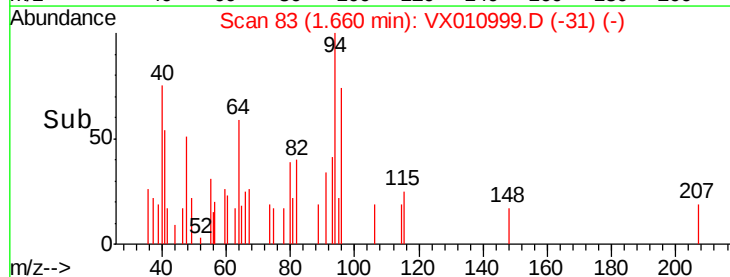
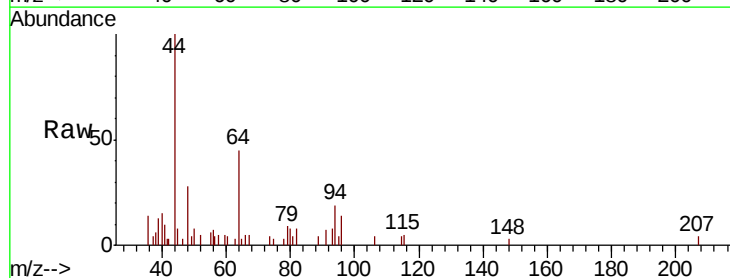
Acq: 19 Jul 2019 13:54

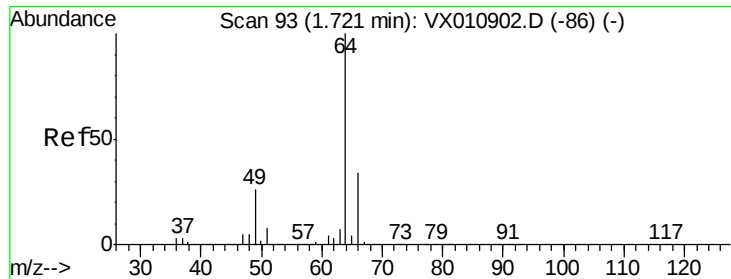
Tgt Ion: 94 Resp: 752

Ion Ratio Lower Upper

94 100

96 73.6 75.6 113.4#





#6

Chloroethane

Concen: 0.259 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

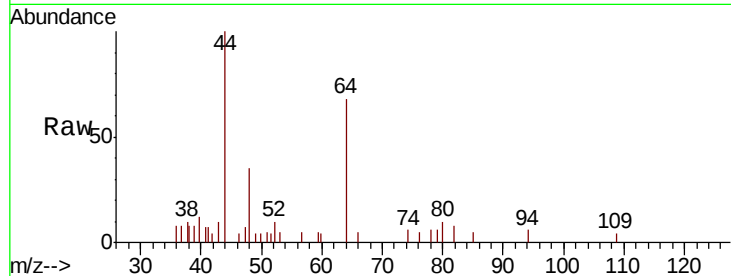
STORAGE-BLANK-WATER-REF-4

Tot Ion: 64 Resp: 337

Ion Ratio Lower Upper

64 100

66 1.8 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1200

1000

800

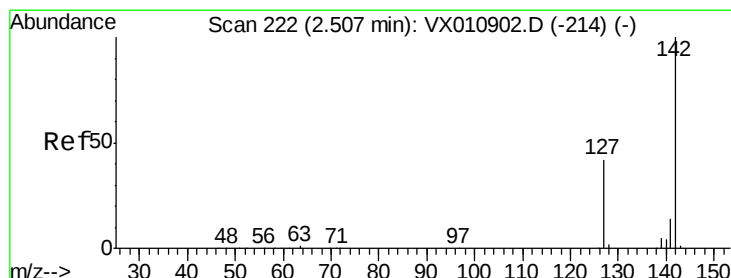
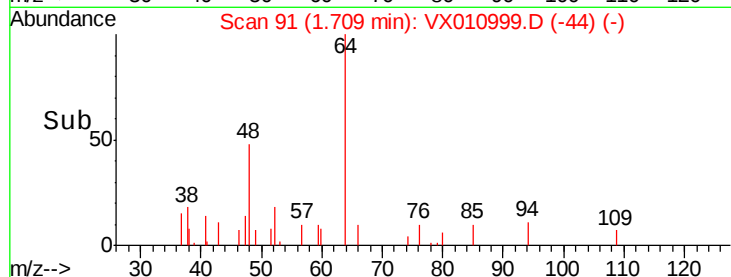
600

400

200

0

Time--> 1.68 1.69 1.70 1.71 1.72



#10

Methyl Iodide

Concen: 0.265 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

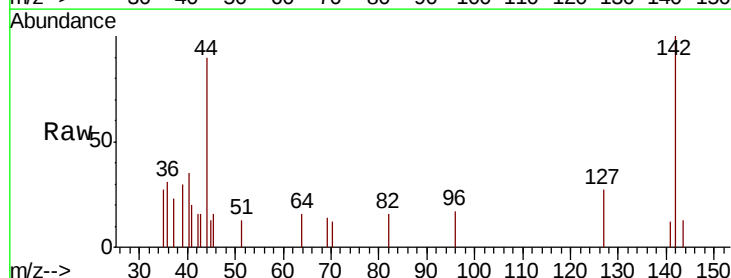
Tgt Ion: 142 Resp: 687

Ion Ratio Lower Upper

142 100

127 21.8 34.2 51.4#

141 8.9 11.7 17.5#



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

600

500

400

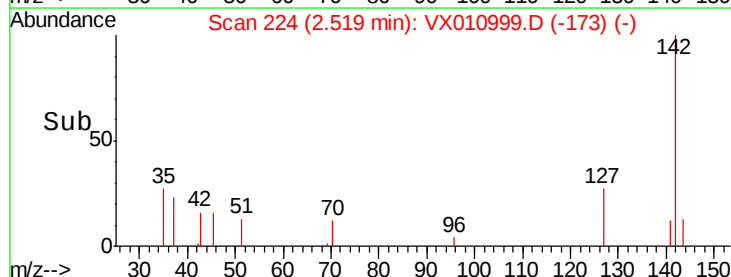
300

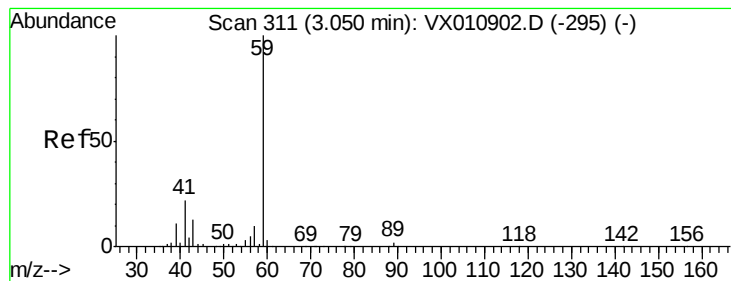
200

100

0

Time--> 2.45 2.50 2.55



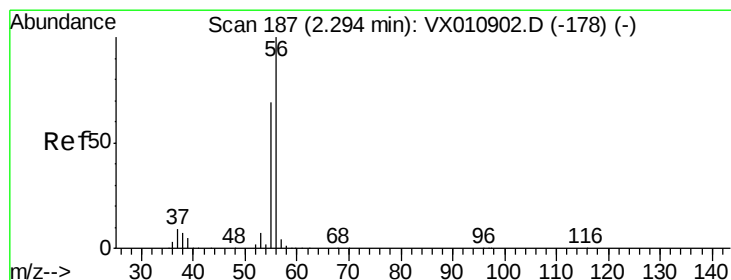
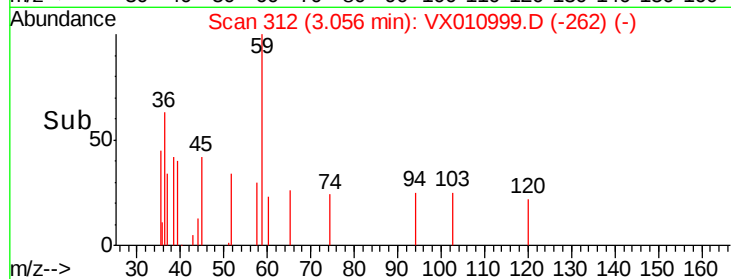
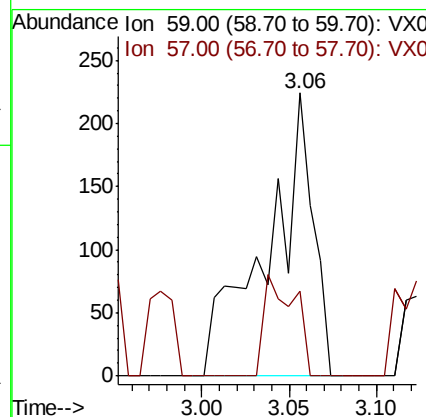
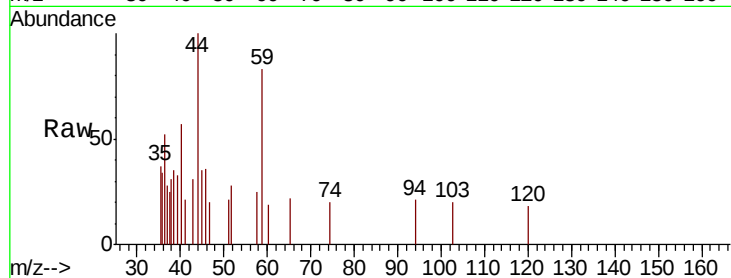


#11

Tert butyl alcohol
 Concen: 0.762 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX010999.D
 Acq: 19 Jul 2019 13:54

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

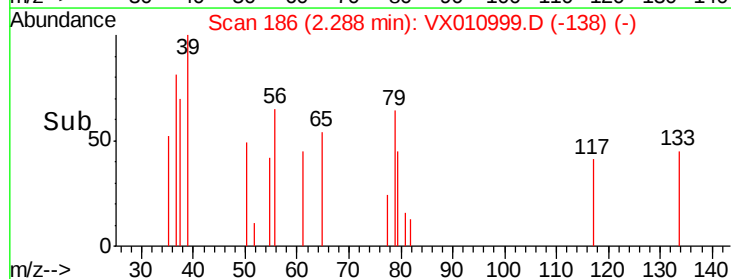
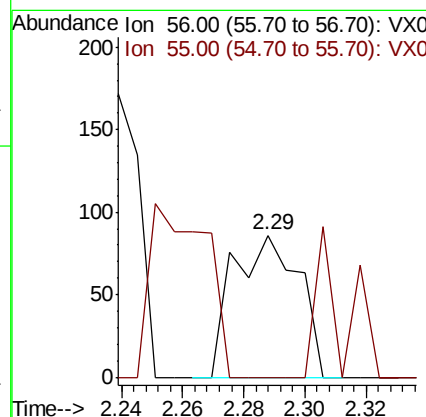
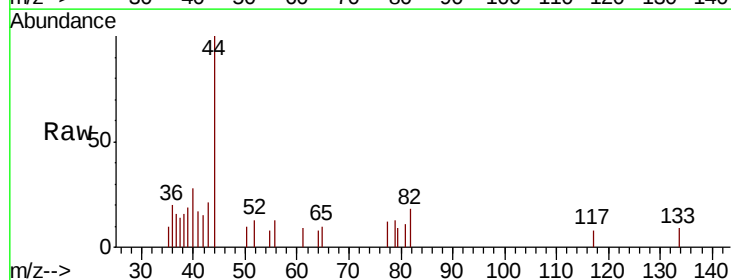
Tot Ion: 59 Resp: 412
 Ion Ratio Lower Upper
 59 100
 57 23.3 7.9 11.9#

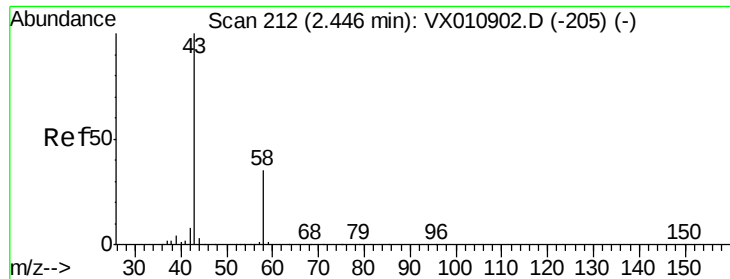


#13

Acrolein
 Concen: 0.410 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010999.D
 Acq: 19 Jul 2019 13:54

Tgt Ion: 56 Resp: 128
 Ion Ratio Lower Upper
 56 100
 55 45.3 55.9 83.9#





#16

Acetone

Concen: 0.702 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

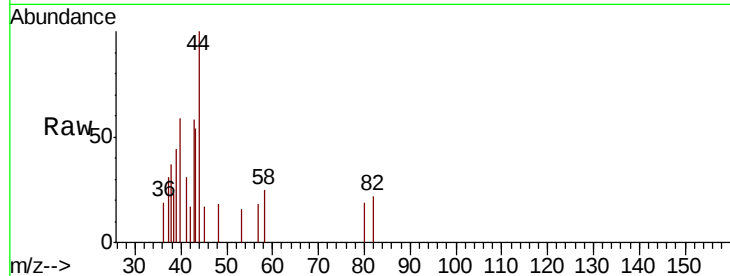
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 736

Ion Ratio Lower Upper

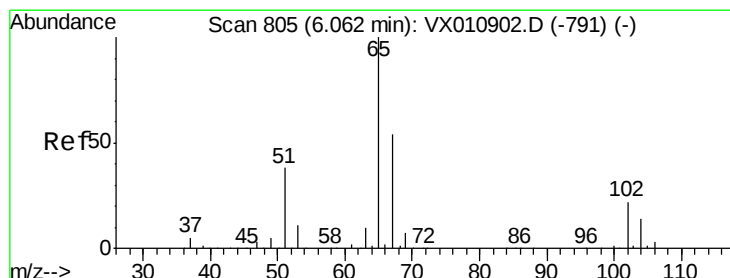
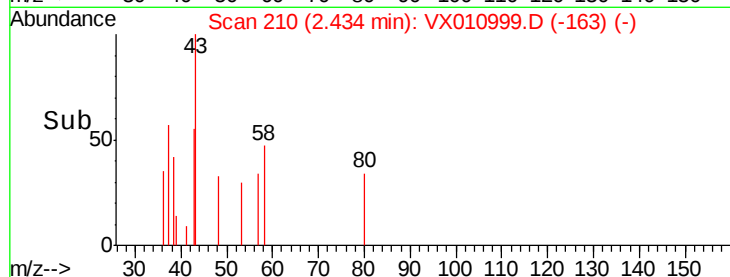
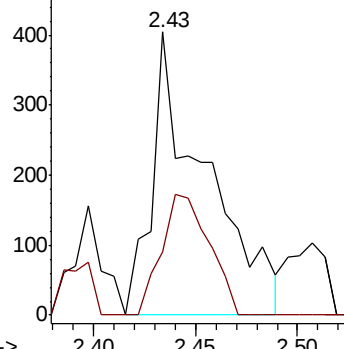
43 100

58 22.5 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.437 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010999.D

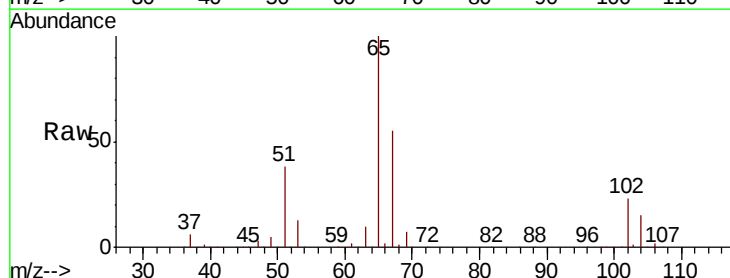
Acq: 19 Jul 2019 13:54

Tgt Ion: 65 Resp: 117139

Ion Ratio Lower Upper

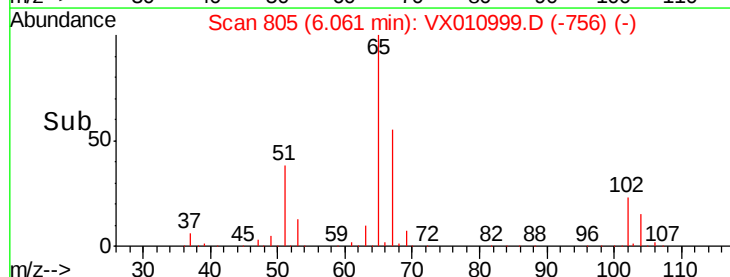
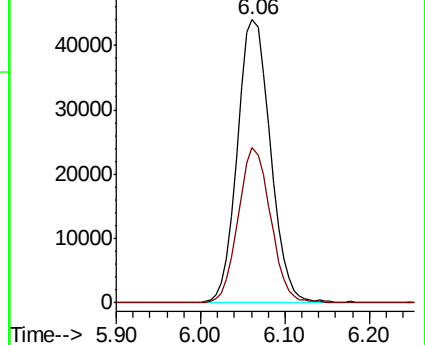
65 100

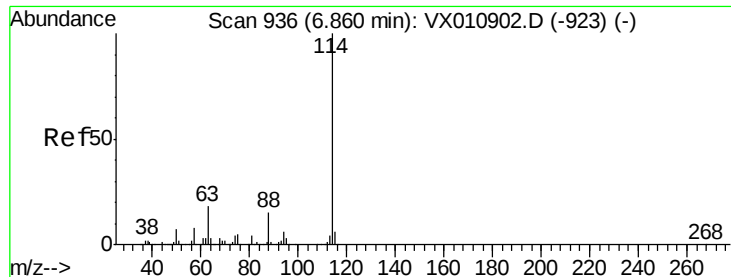
67 53.5 0.0 107.8



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: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

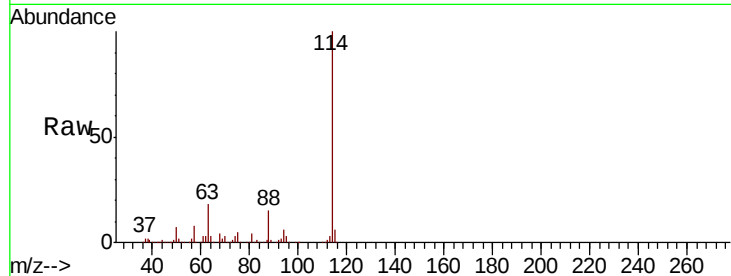
Tot Ion:114 Resp: 347702

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

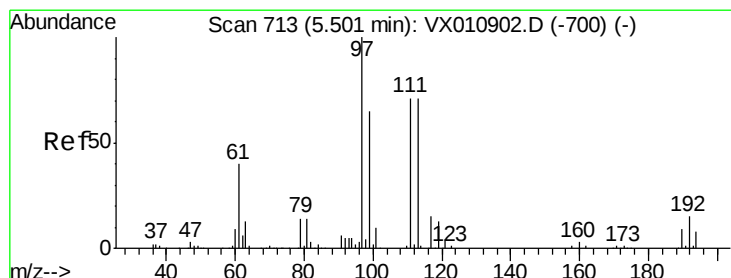
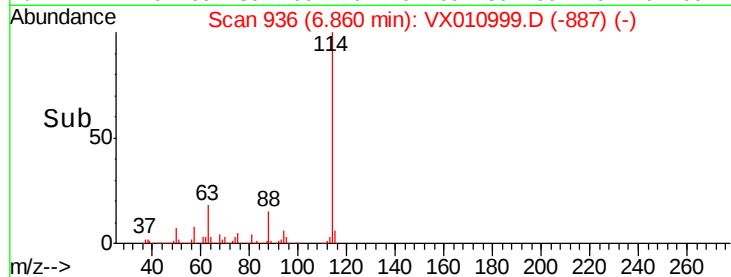
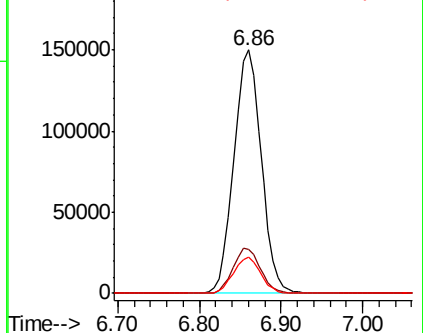
88 14.9 0.0 29.8



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: 48.343 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

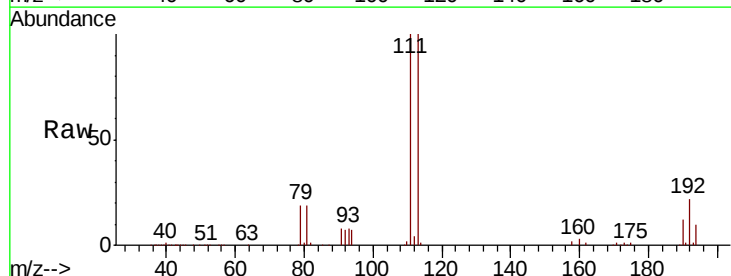
Tgt Ion:113 Resp: 106691

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

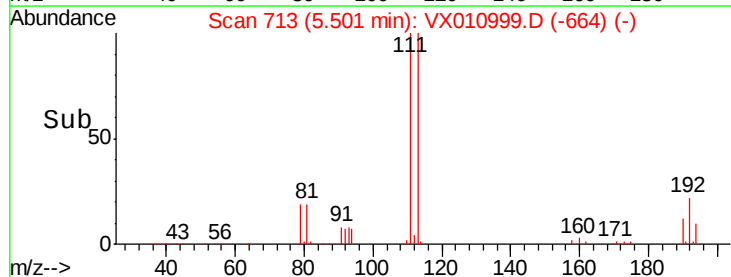
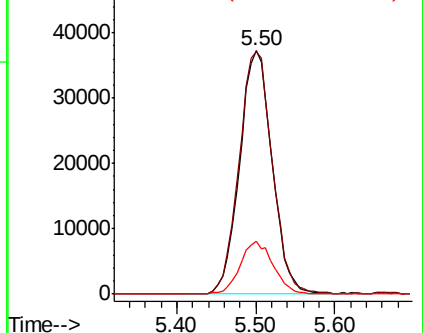
192 21.9 17.4 26.2

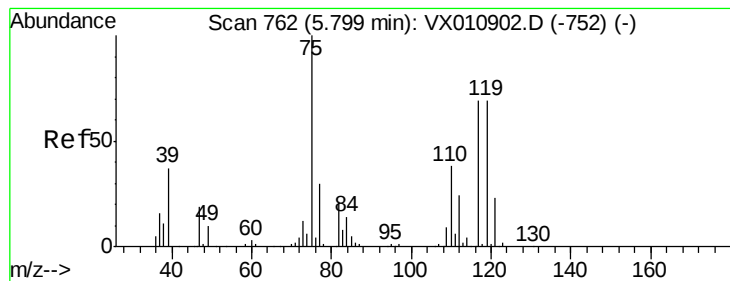


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.114 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

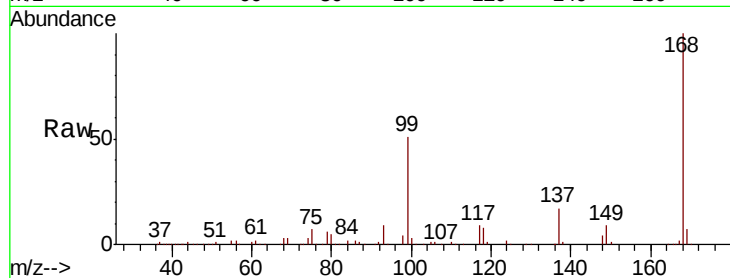
Tot Ion: 75 Resp: 14606

Ion Ratio Lower Upper

75 100

110 10.2 19.9 59.7#

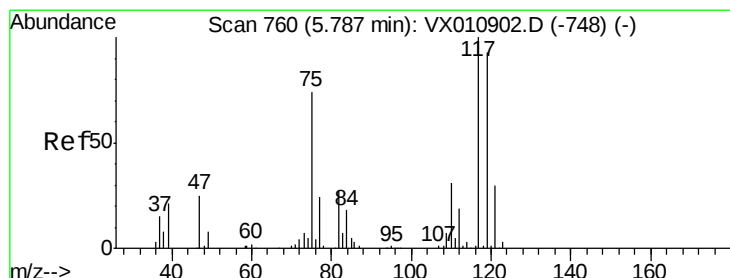
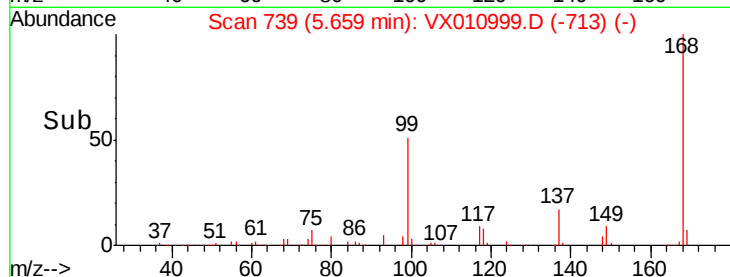
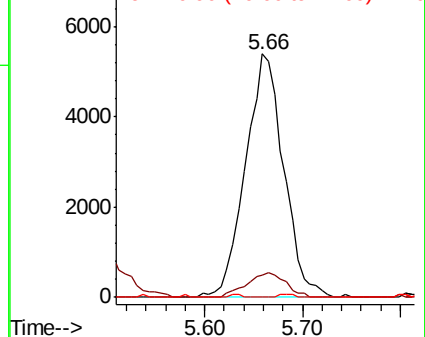
77 0.0 25.0 37.4#



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: 6.689 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

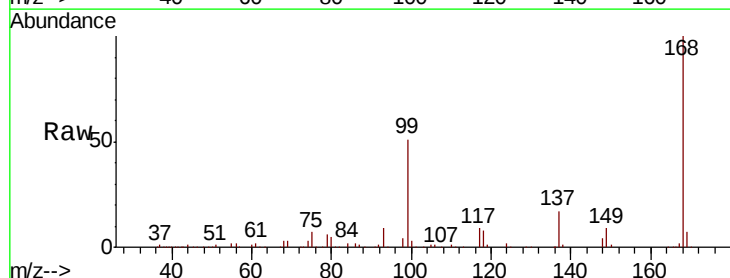
Tgt Ion: 117 Resp: 19906

Ion Ratio Lower Upper

117 100

119 5.8 74.2 111.2#

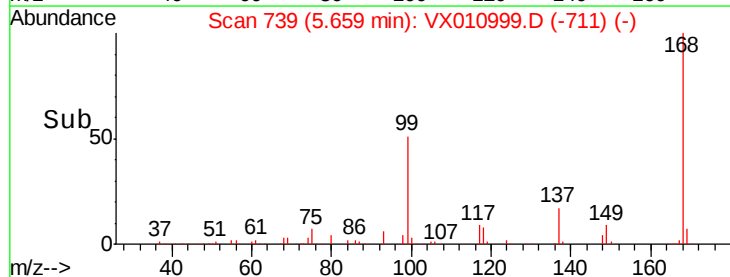
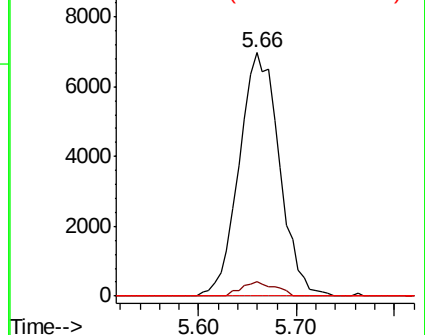
121 0.0 24.2 36.2#

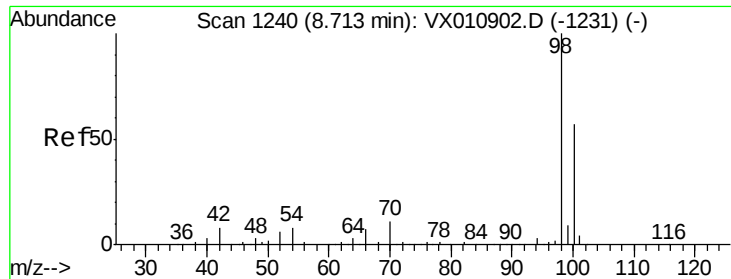


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

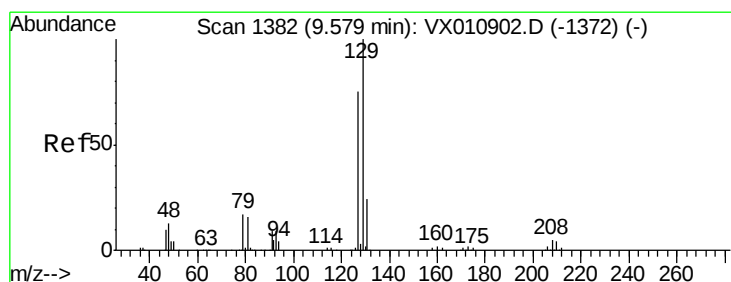
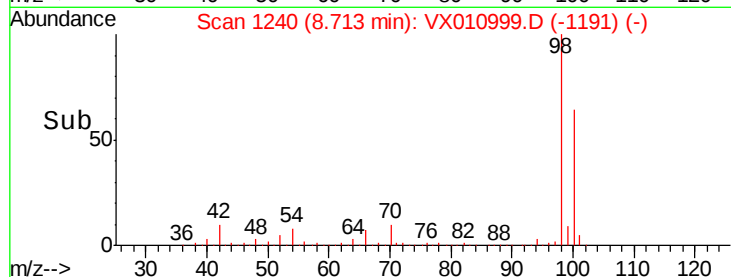
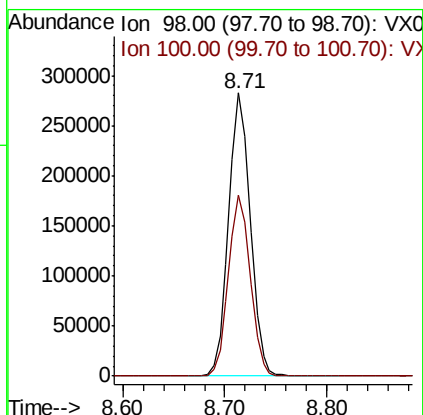
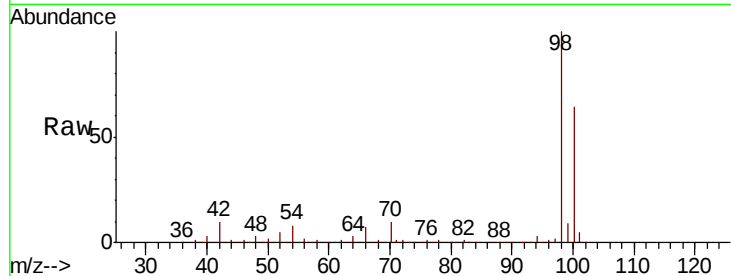




#50
Toluene-d8
Concen: 50.361 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010999.D
Acq: 19 Jul 2019 13:54

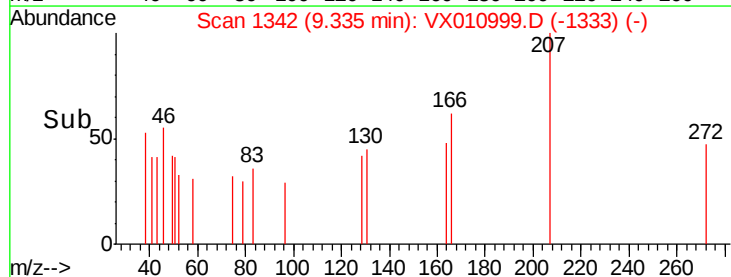
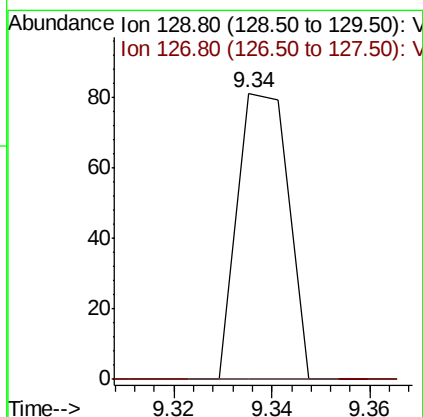
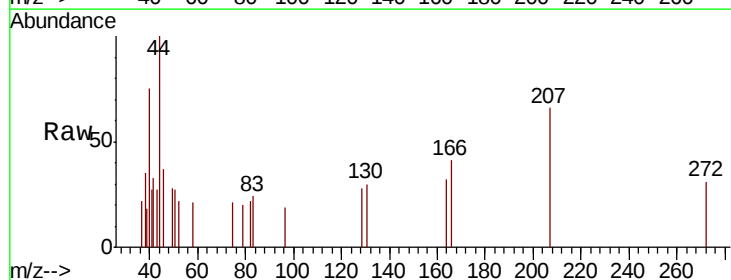
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

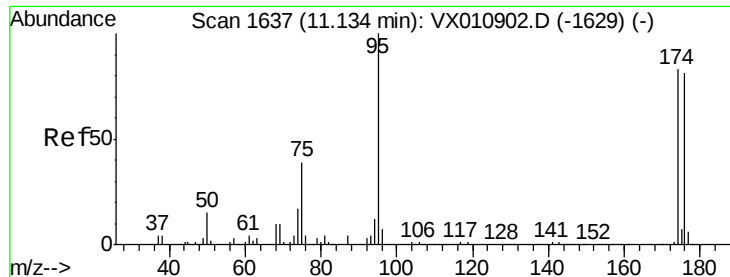
Tot Ion: 98 Resp: 416856
Ion Ratio Lower Upper
98 100
100 64.2 50.6 75.8



#60
Dibromochloromethane
Concen: 2.548 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010999.D
Acq: 19 Jul 2019 13:54

Tgt Ion: 129 Resp: 59
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 48.657 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

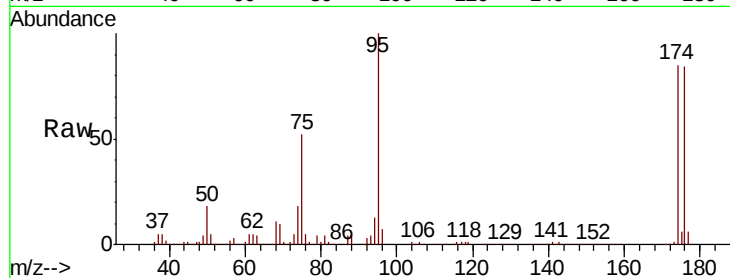
Tot Ion: 95 Resp: 148040

Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.6

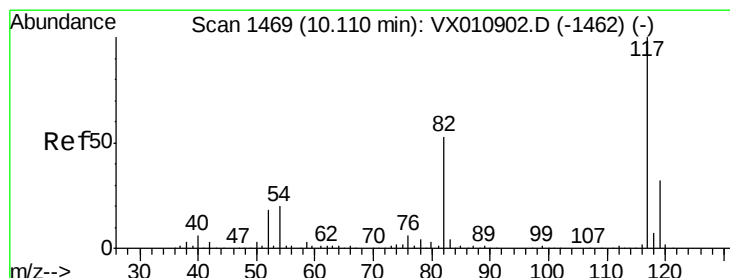
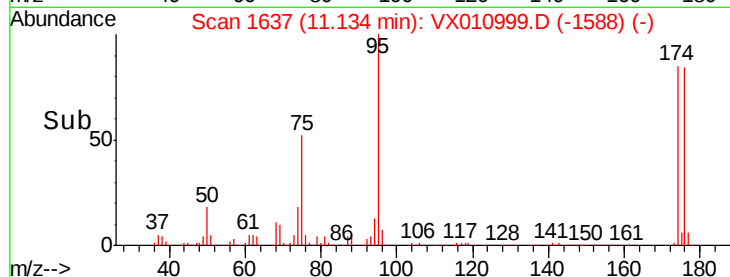
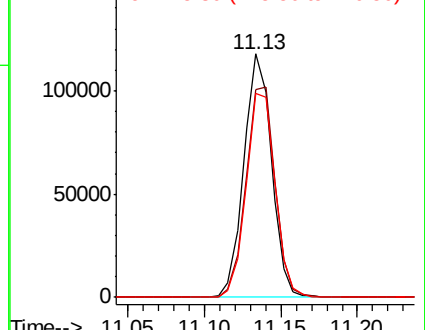
176 88.1 0.0 173.8



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: VX010999.D

Acq: 19 Jul 2019 13:54

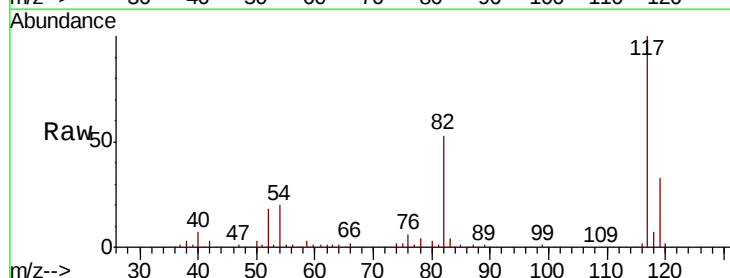
Tgt Ion: 117 Resp: 321845

Ion Ratio Lower Upper

117 100

82 52.9 42.6 63.8

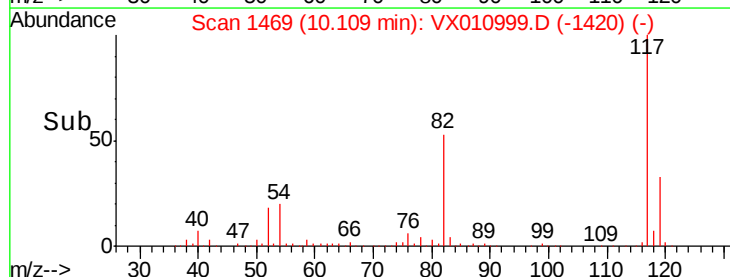
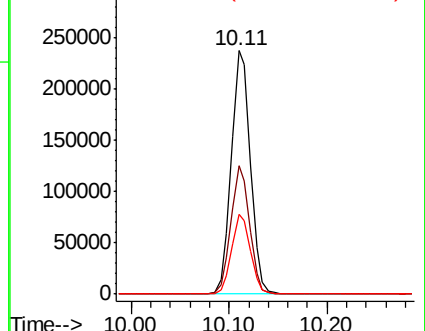
119 32.7 25.9 38.9

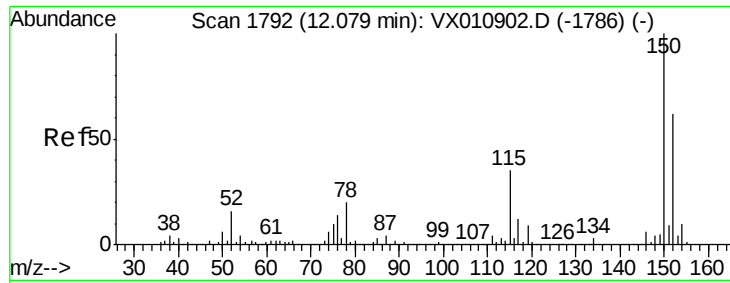


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



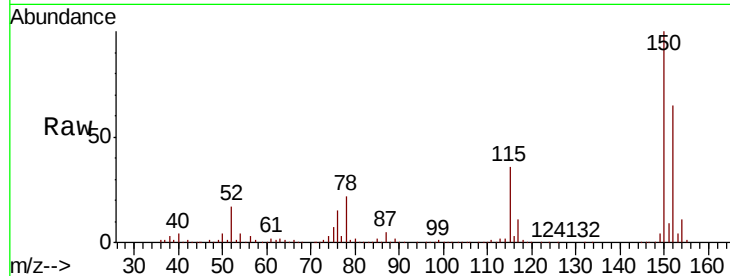


#72

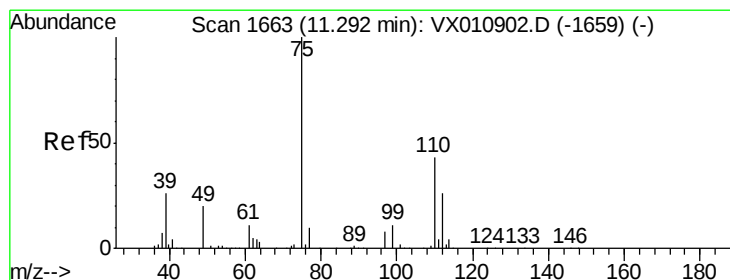
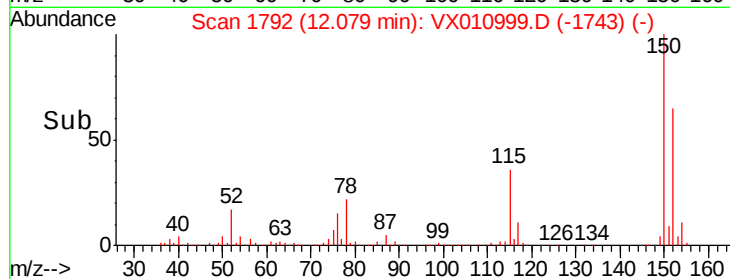
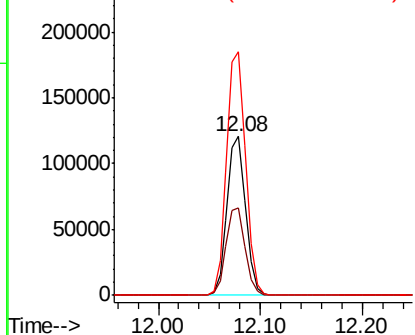
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010999.D
Acq: 19 Jul 2019 13:54

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

Tot Ion:152 Resp: 152130
Ion Ratio Lower Upper
152 100
115 56.6 39.7 119.1
150 156.7 0.0 345.6



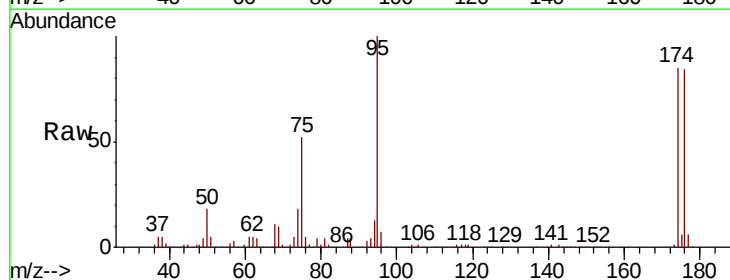
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



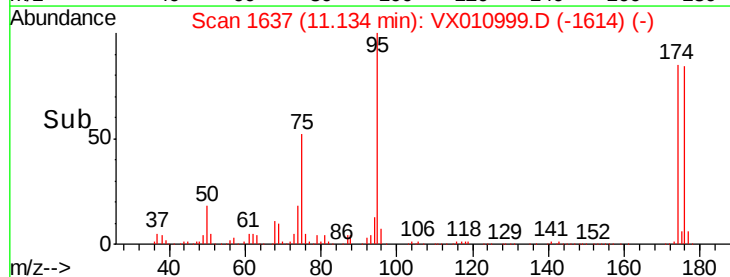
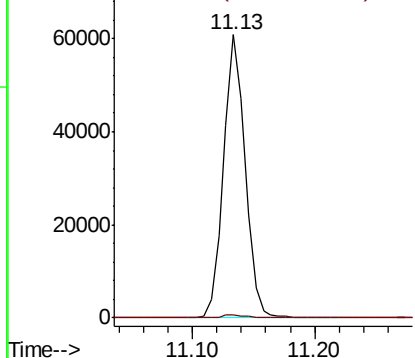
#76

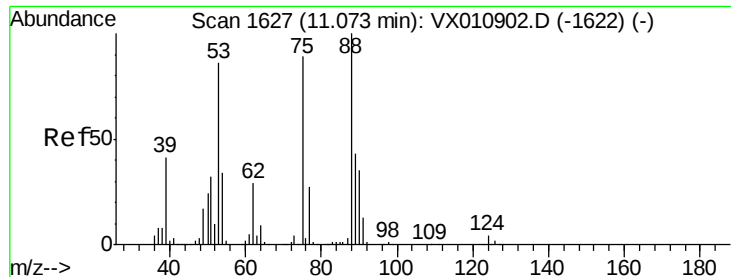
1,2,3-Trichloropropane
Concen: 27.056 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010999.D
Acq: 19 Jul 2019 13:54

Tgt Ion: 75 Resp: 74277
Ion Ratio Lower Upper
75 100
77 1.2 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010999.D

Acq: 19 Jul 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 74277

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#

