

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011804.D
 Acq On : 23 Aug 2019 17:38
 Operator : JC/SP
 Sample : K4513-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 26 01:56:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	485610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	651990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	567295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	280058	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	212772	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	
35) Dibromofluoromethane	5.49	113	192308	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	8.71	98	734256	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	244357	42.04	ug/l	0.00
Spiked Amount			Recovery	=	84.08%	

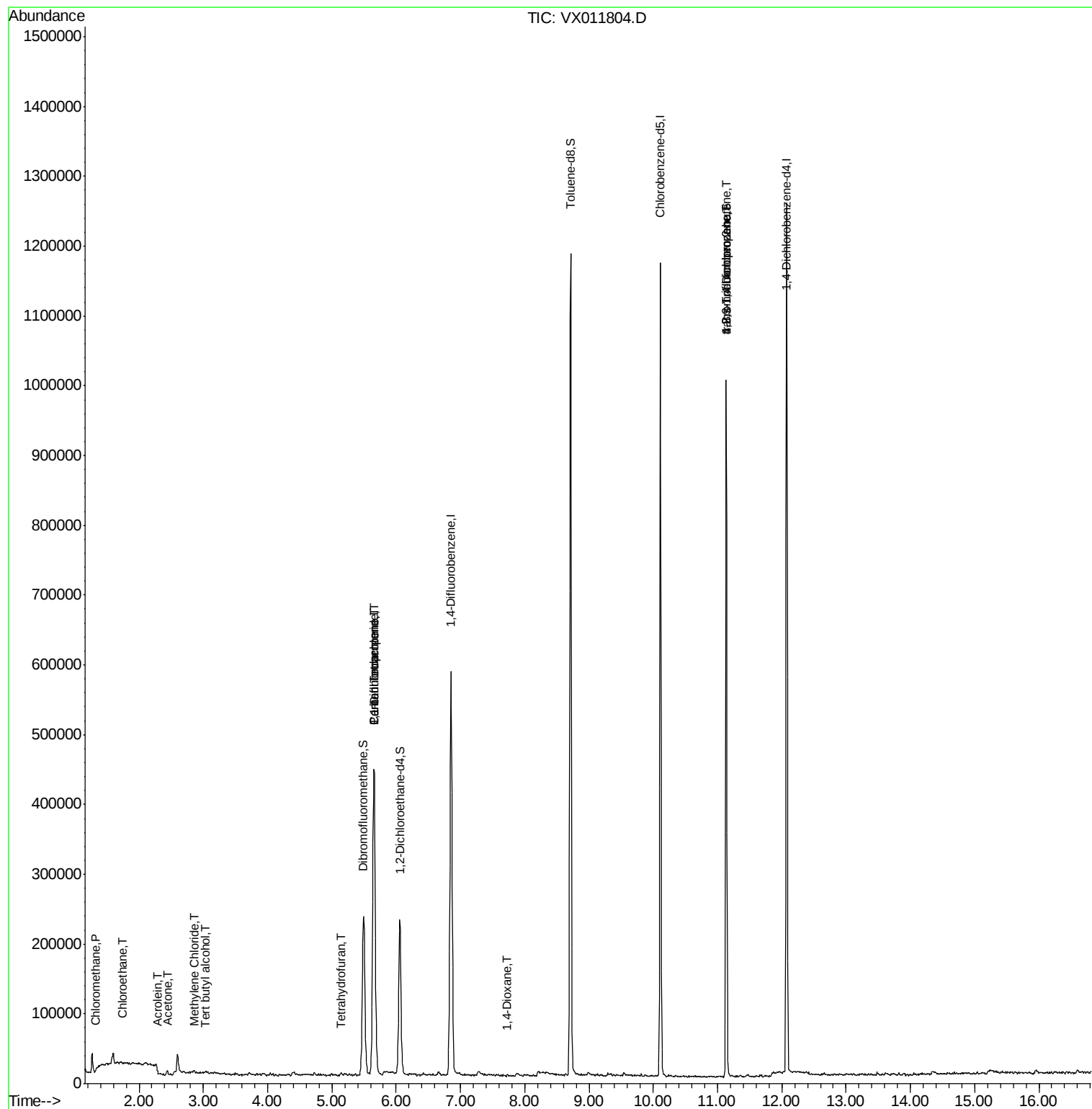
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	986	0.248	ug/l #	72
6) Chloroethane	1.74	64	496	0.214	ug/l #	87
11) Tert butyl alcohol	3.03	59	2290	2.376	ug/l #	83
13) Acrolein	2.29	56	261	0.700	ug/l	98
16) Acetone	2.43	43	6001	2.828	ug/l	98
20) Methylene Chloride	2.85	84	1614	0.372	ug/l #	81
29) Tetrahydrofuran	5.14	42	453	0.232	ug/l #	35
36) 1,1-Dichloropropene	5.65	75	26188	5.122	ug/l #	51
38) Carbon Tetrachloride	5.65	117	39734	6.857	ug/l #	17
49) 1,4-Dioxane	7.72	88	262	2.170	ug/l #	26
76) 1,2,3-Trichloropropane	11.13	75	106931	21.760	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	106931	65.623	ug/l #	11

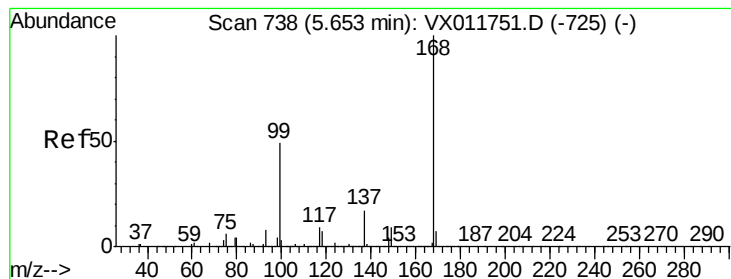
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

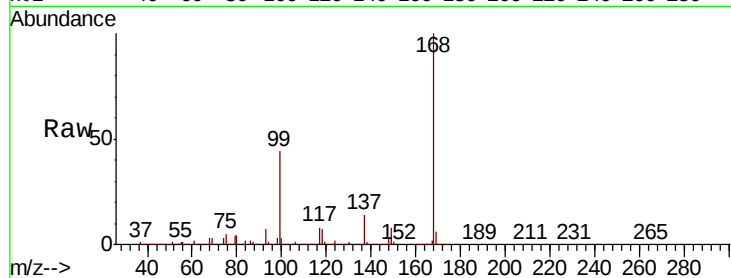
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 485610

Ion Ratio Lower Upper

168 100

99 44.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

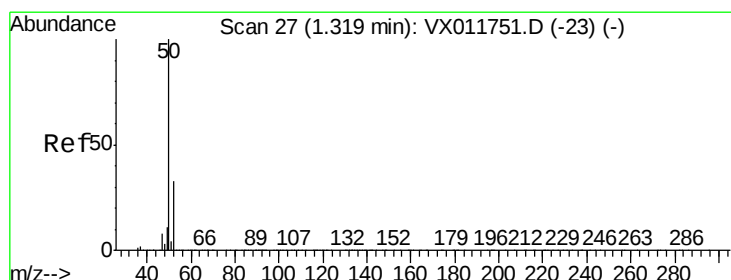
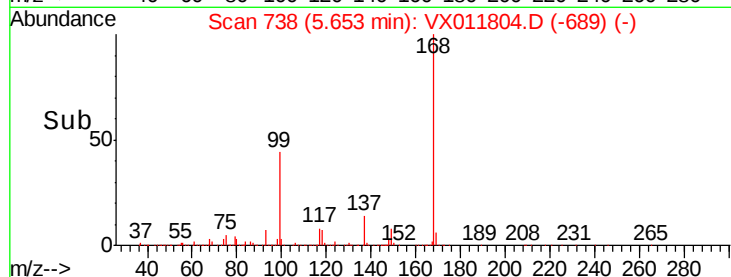
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.248 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011804.D

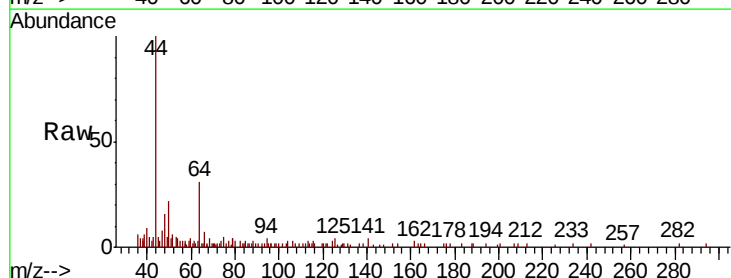
Acq: 23 Aug 2019 17:38

Tgt Ion: 50 Resp: 986

Ion Ratio Lower Upper

50 100

52 17.3 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

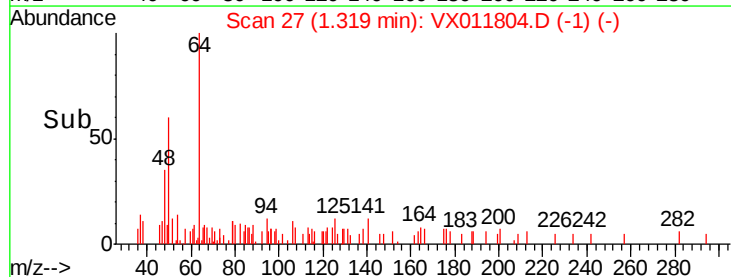
600

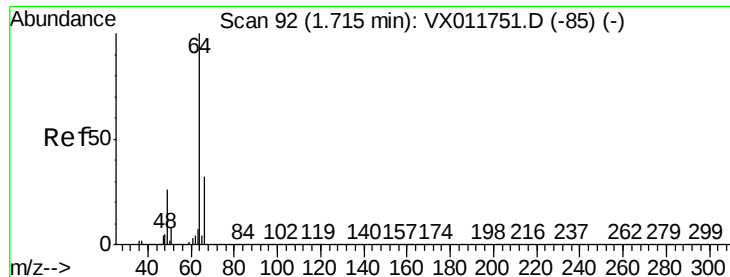
400

200

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 0.214 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

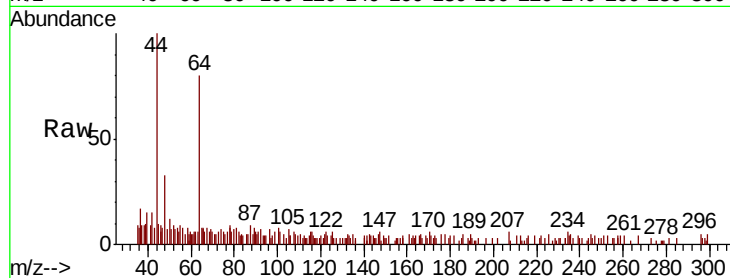
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 64 Resp: 496

Ion Ratio Lower Upper

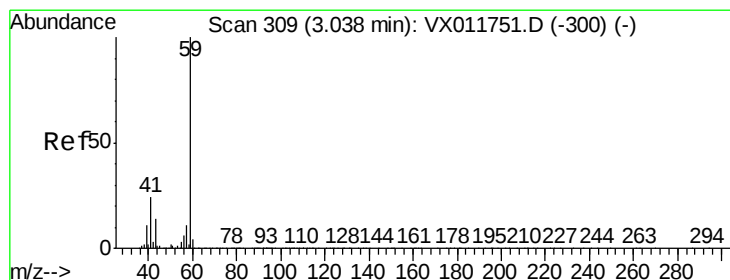
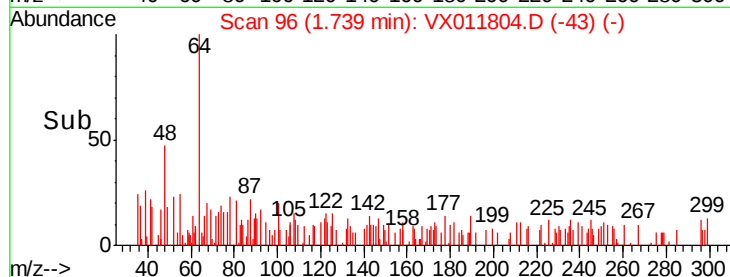
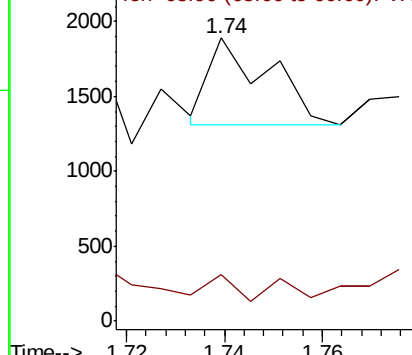
64 100

66 23.7 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 2.376 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX011804.D

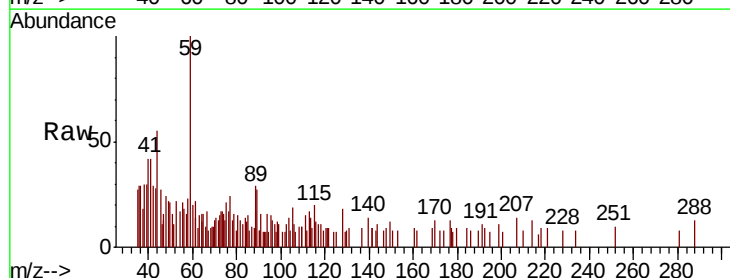
Acq: 23 Aug 2019 17:38

Tgt Ion: 59 Resp: 2290

Ion Ratio Lower Upper

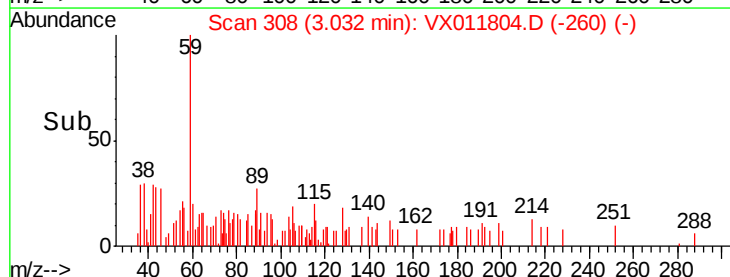
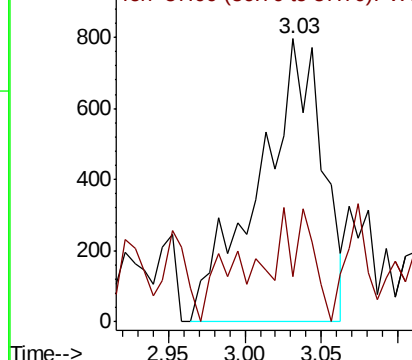
59 100

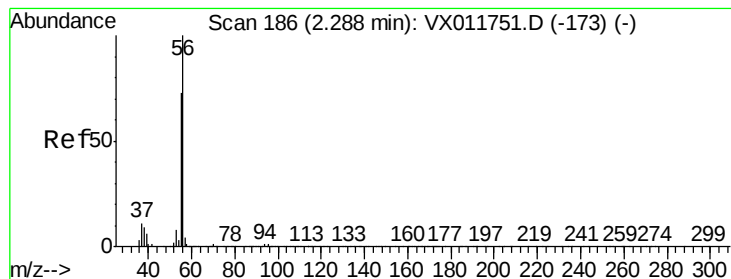
57 4.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.700 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

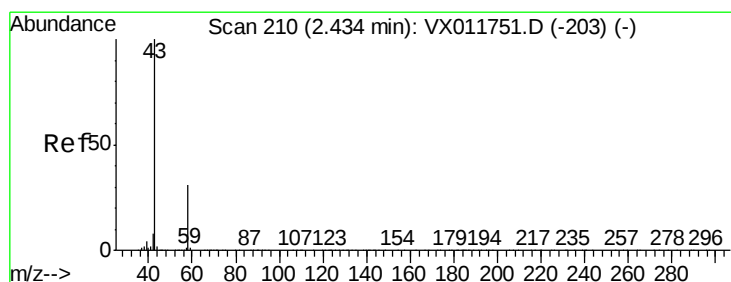
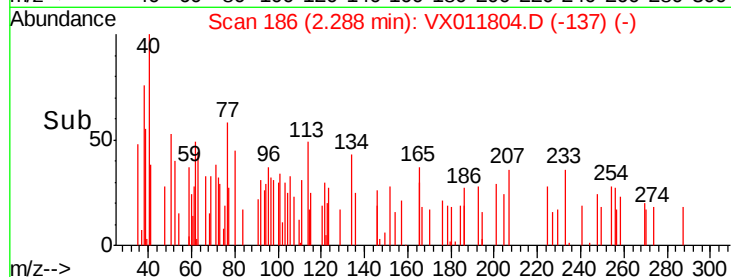
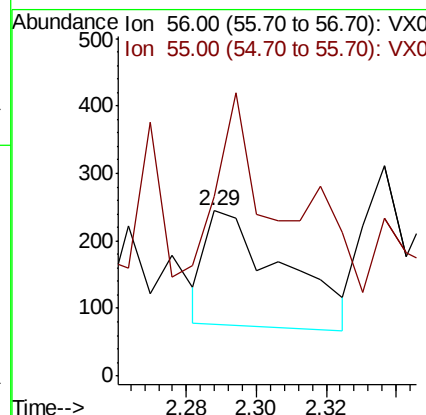
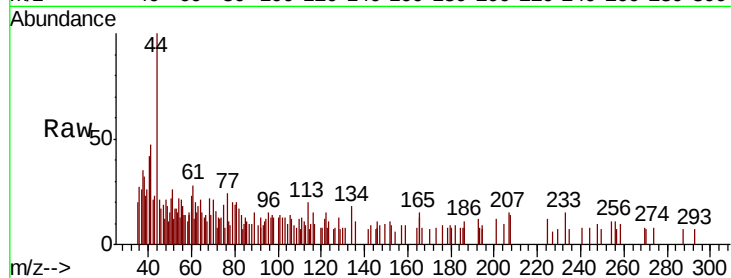
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 70.5 54.8 82.2



#16

Acetone

Concen: 2.828 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011804.D

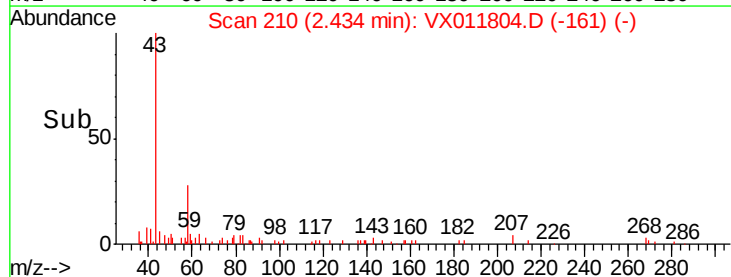
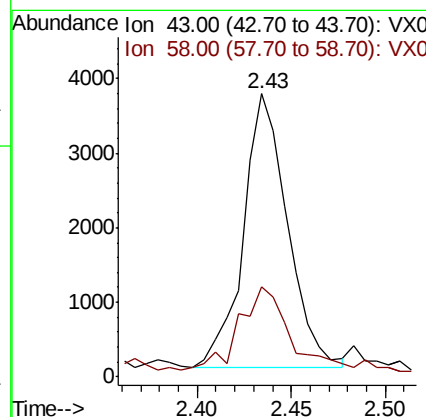
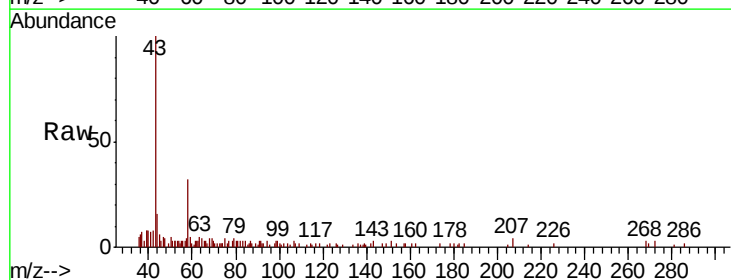
Acq: 23 Aug 2019 17:38

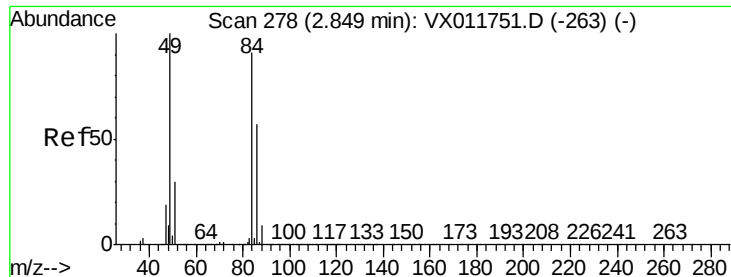
Tgt Ion: 43 Resp: 6001

Ion Ratio Lower Upper

43 100

58 29.5 24.4 36.6





#20

Methylene Chloride

Concen: 0.372 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

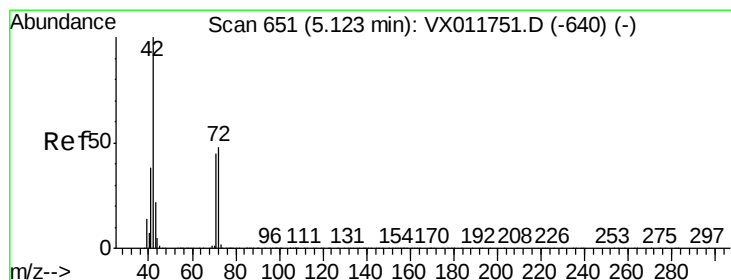
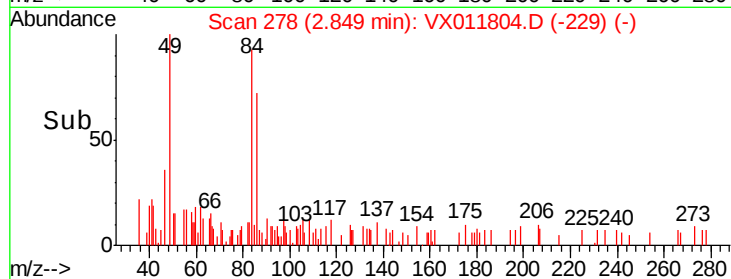
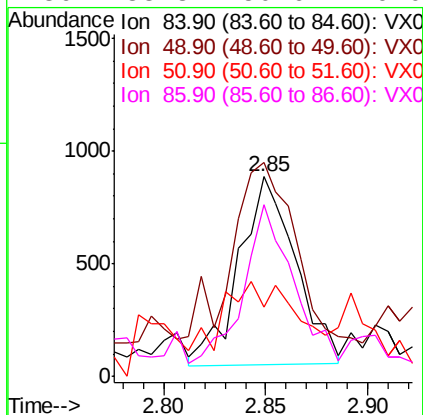
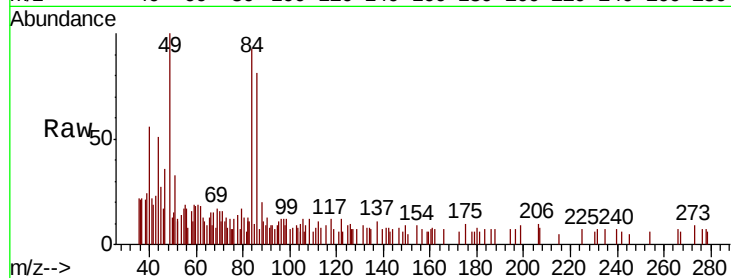
Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tgt Ion:	84	Resp:	1614
Ion	Ratio	Lower	Upper
84	100		
49	96.5	88.3	132.5
51	24.0	26.2	39.2#
86	88.3	50.6	76.0#



#29

Tetrahydrofuran

Concen: 0.232 ug/l

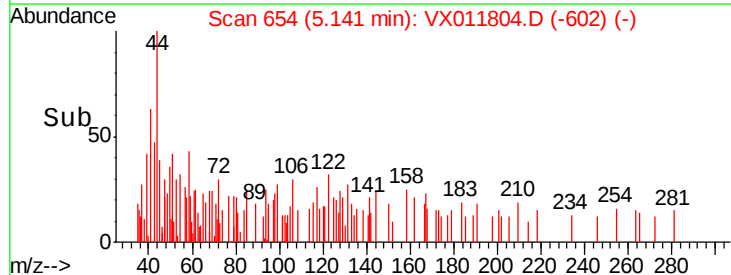
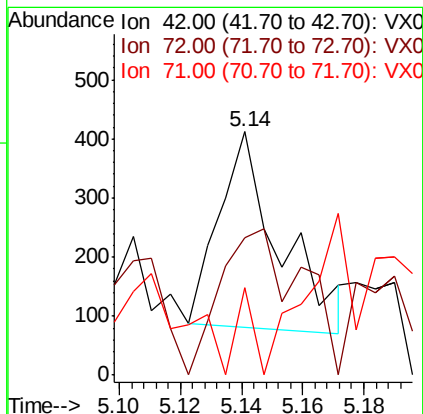
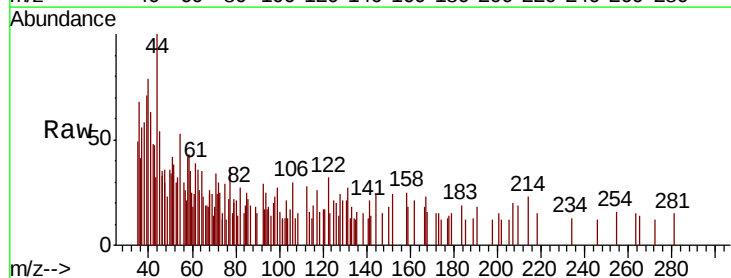
RT: 5.14 min Scan# 654

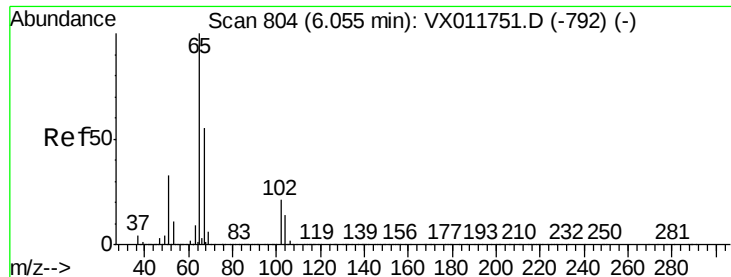
Delta R.T. 0.02 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Tgt Ion:	42	Resp:	453
Ion	Ratio	Lower	Upper
42	100		
72	99.8	37.6	56.4#
71	11.9	34.6	51.8#





#33

1,2-Dichloroethane-d4

Concen: 43.616 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

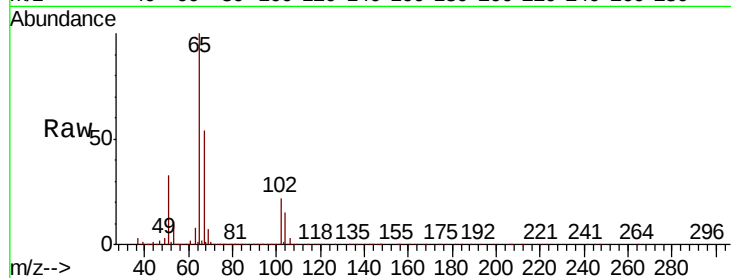
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 212772

Ion Ratio Lower Upper

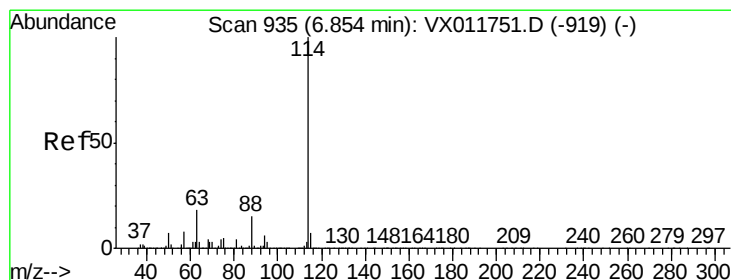
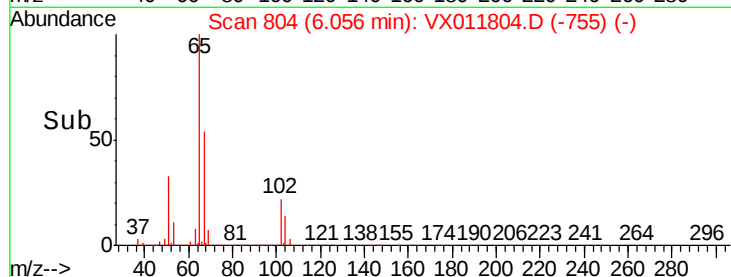
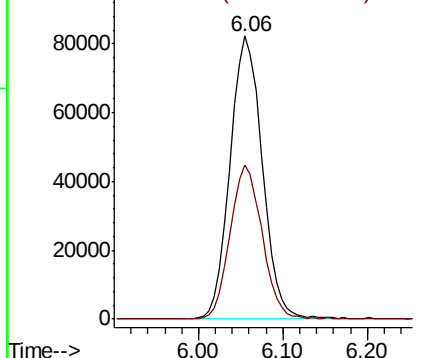
65 100

67 54.4 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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

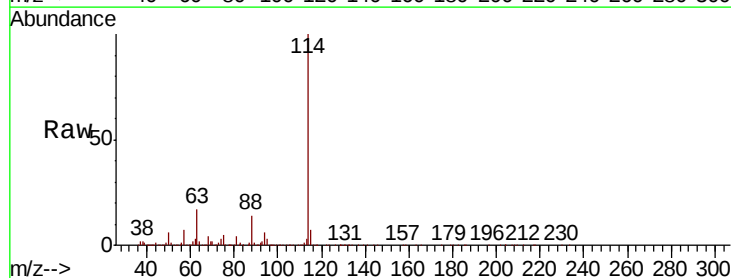
Tgt Ion: 114 Resp: 651990

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.8

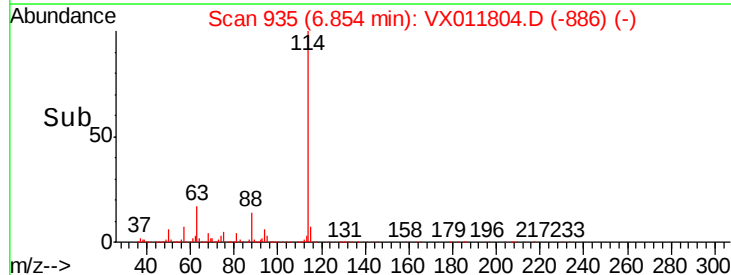
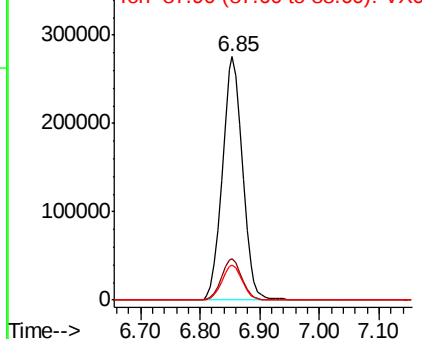
88 14.2 0.0 30.2

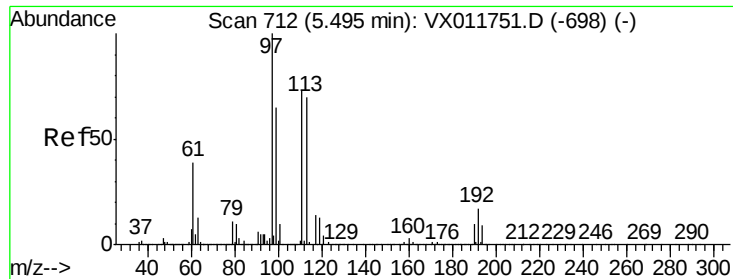


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.614 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Instrument :

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STORAGE-BLANK-WATER-REF-4

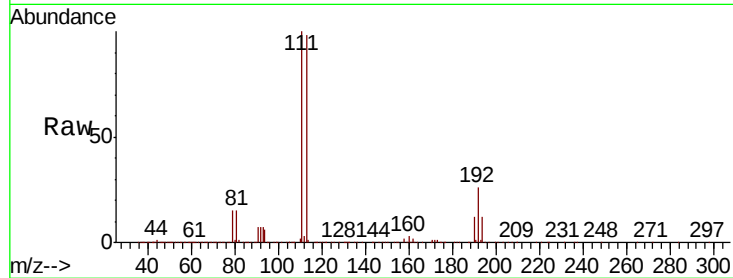
Tgt Ion:113 Resp: 192308

Ion Ratio Lower Upper

113 100

111 100.9 81.0 121.4

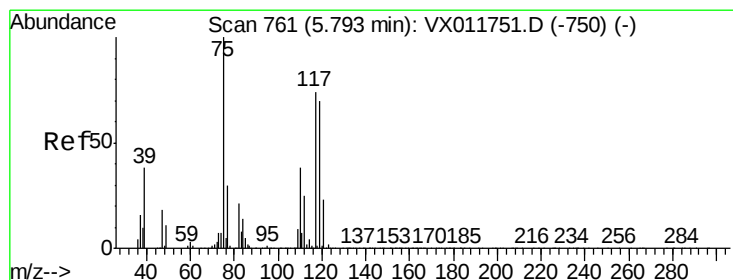
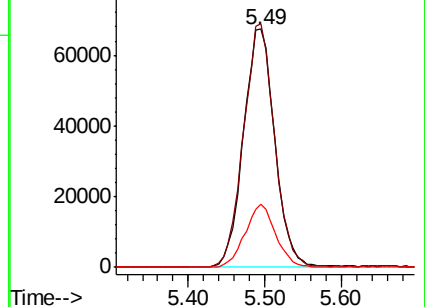
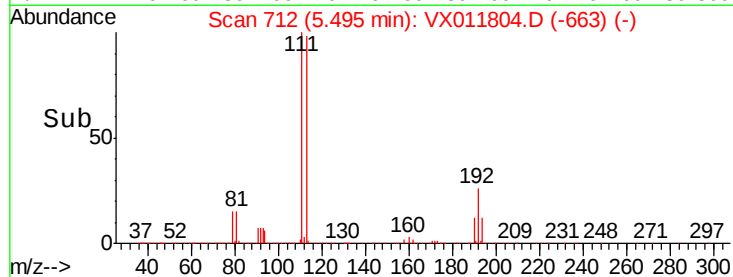
192 26.0 19.9 29.9



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: 5.122 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

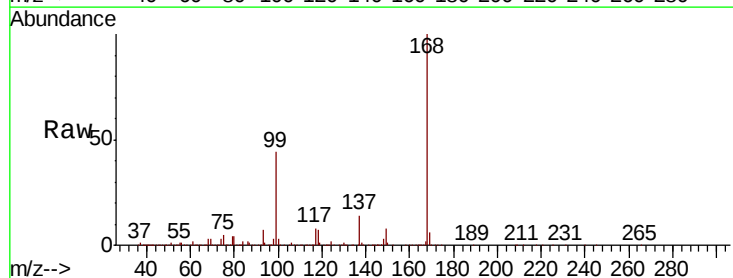
Tgt Ion: 75 Resp: 26188

Ion Ratio Lower Upper

75 100

110 11.4 19.0 57.0#

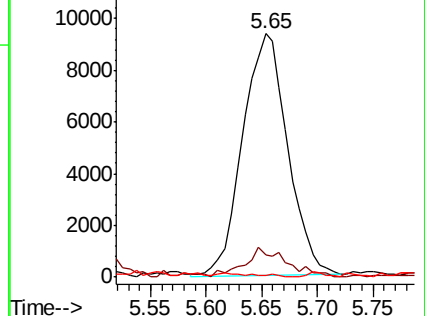
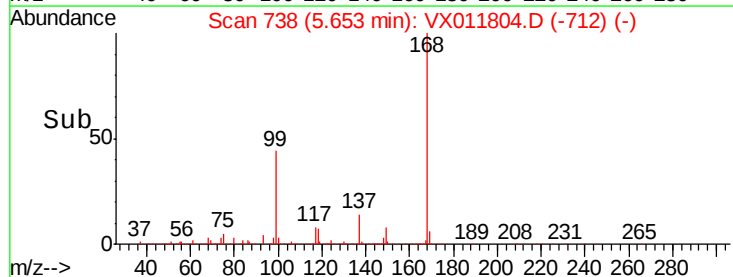
77 0.0 24.6 36.8#

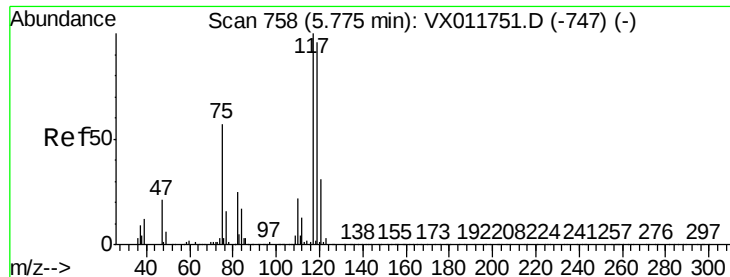


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.857 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

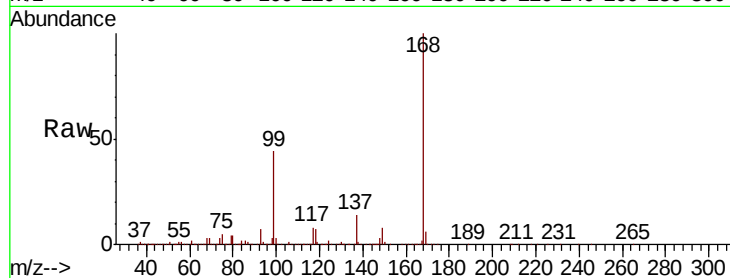
Tgt Ion: 117 Resp: 39734

Ion Ratio Lower Upper

117 100

119 6.0 76.6 114.8#

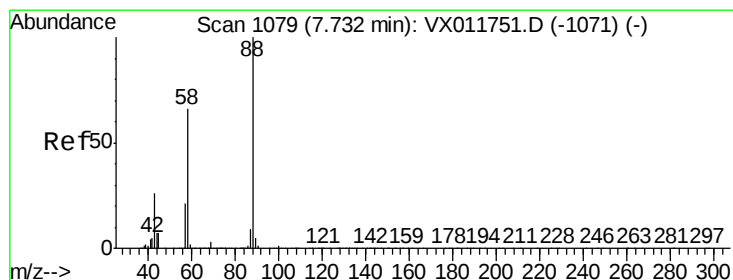
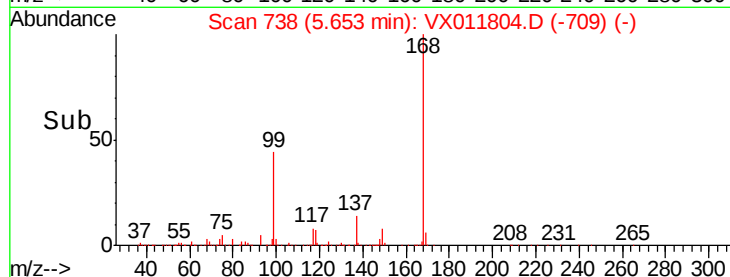
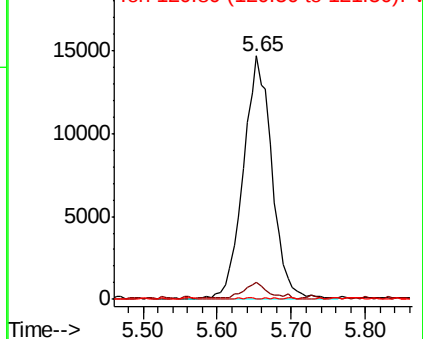
121 0.0 25.2 37.8#



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: 2.170 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

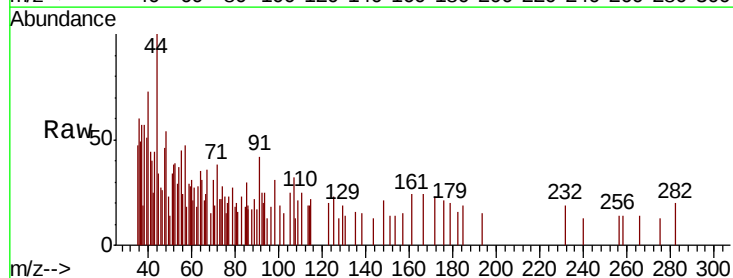
Tgt Ion: 88 Resp: 262

Ion Ratio Lower Upper

88 100

43 0.0 24.6 37.0#

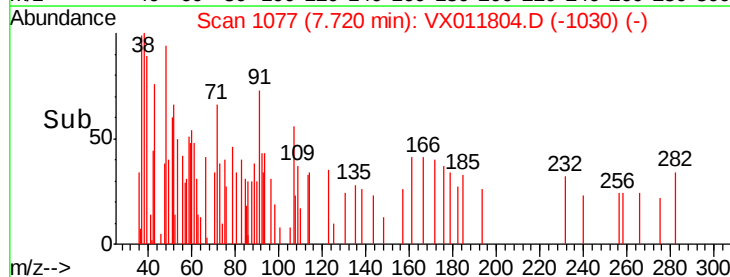
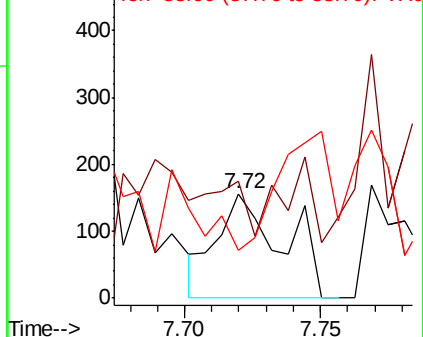
58 0.0 51.4 77.2#

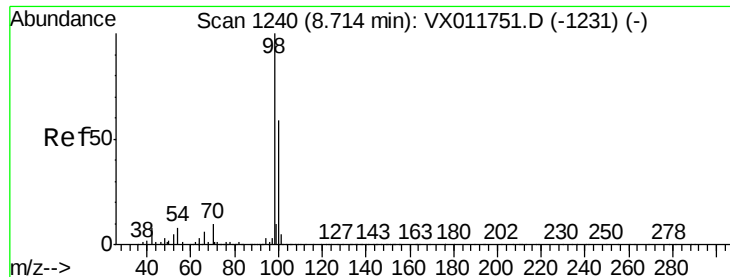


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

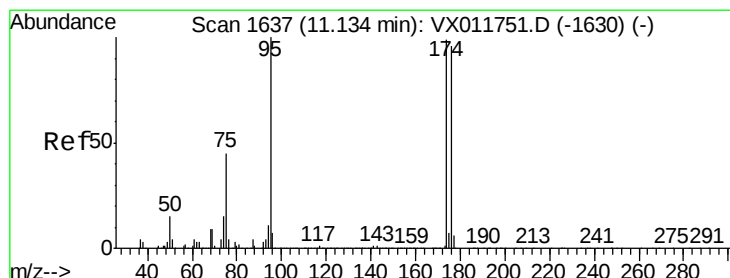
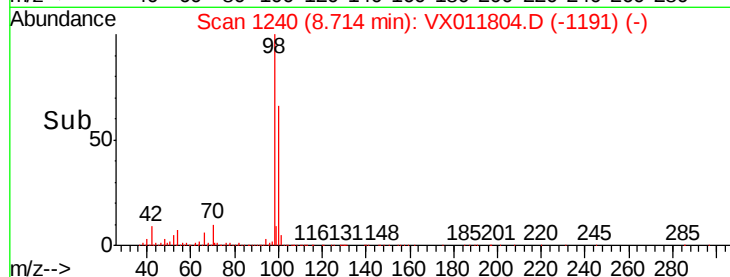
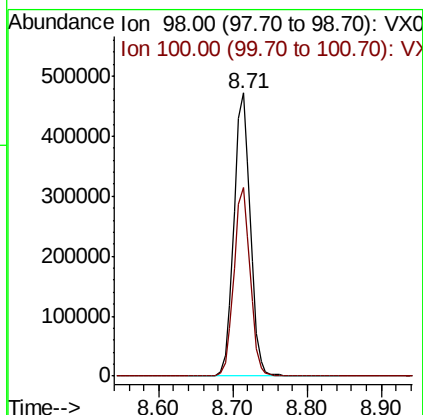
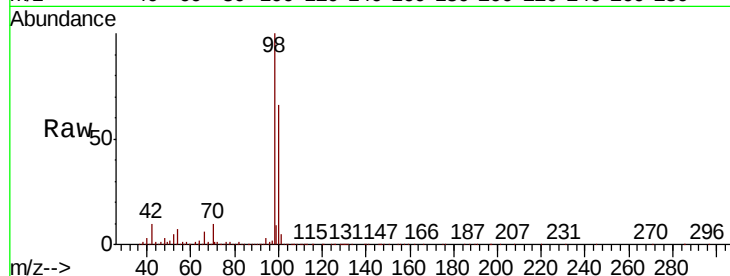




#50
Toluene-d8
Concen: 49.930 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011804.D
Acq: 23 Aug 2019 17:38

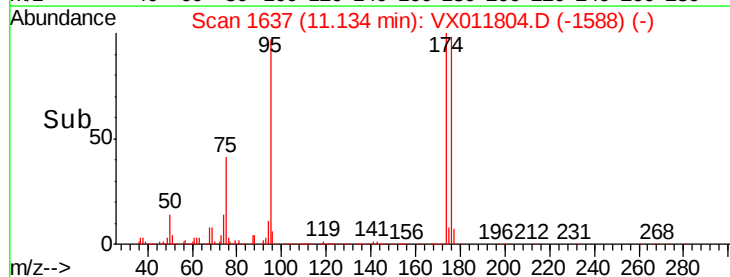
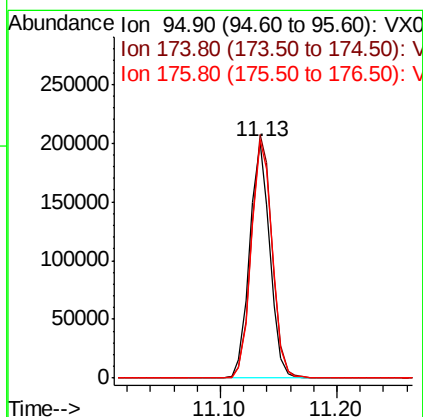
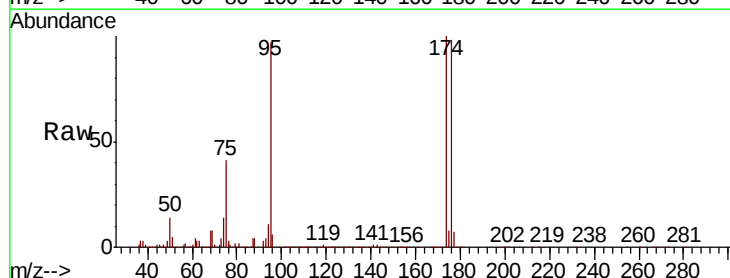
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

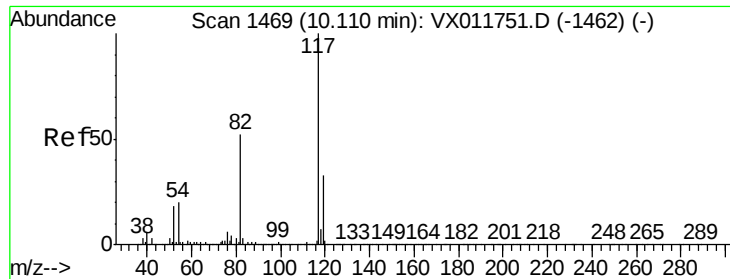
Tgt Ion: 98 Resp: 734256
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.040 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011804.D
Acq: 23 Aug 2019 17:38

Tgt Ion: 95 Resp: 244357
Ion Ratio Lower Upper
95 100
174 105.8 0.0 197.4
176 104.1 0.0 194.4

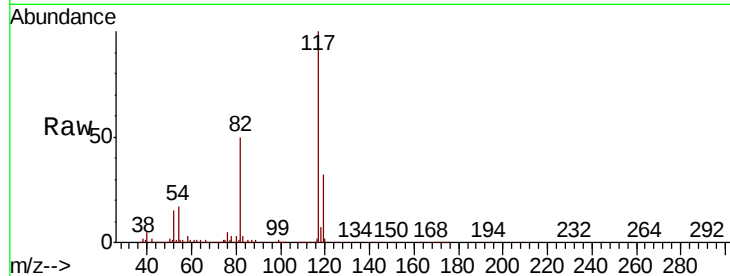




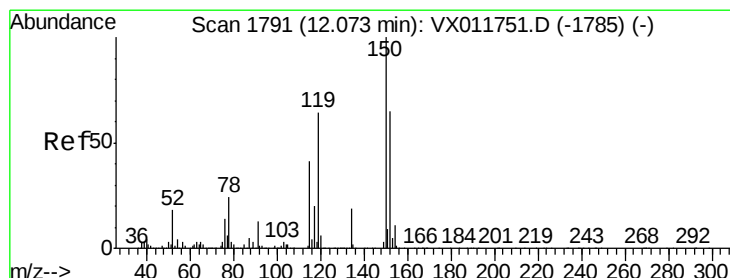
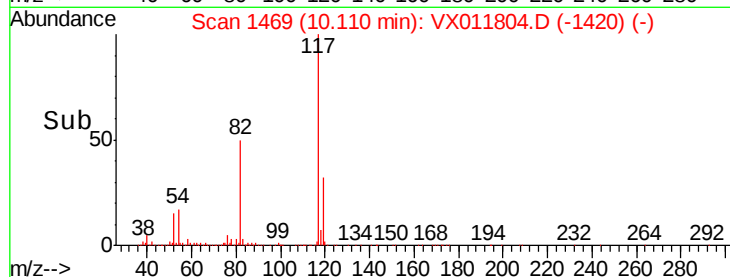
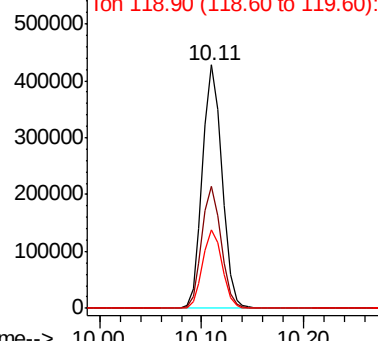
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011804.D
Acq: 23 Aug 2019 17:38

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

Tgt Ion:117 Resp: 567295
Ion Ratio Lower Upper
117 100
82 50.0 41.7 62.5
119 32.4 26.2 39.2

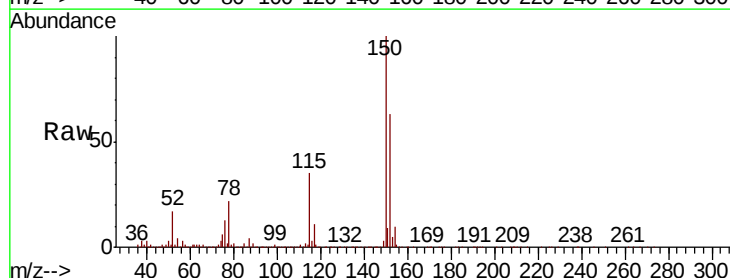


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

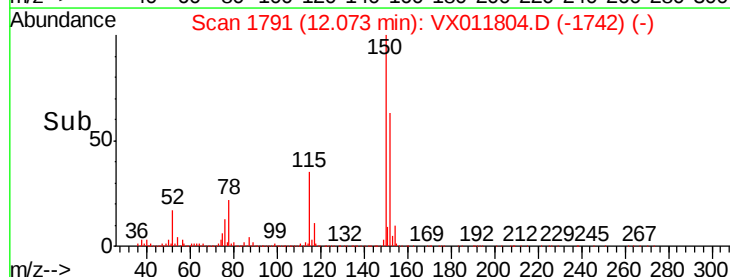
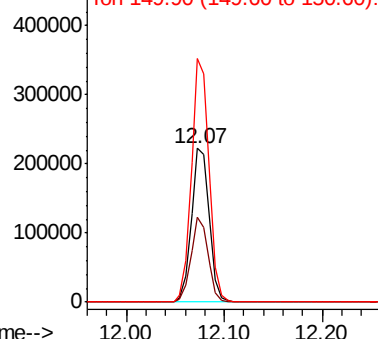


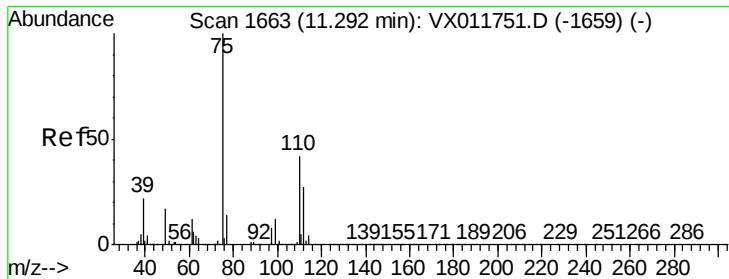
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011804.D
Acq: 23 Aug 2019 17:38

Tgt Ion:152 Resp: 280058
Ion Ratio Lower Upper
152 100
115 52.9 37.3 111.8
150 156.5 0.0 343.0



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: 21.760 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

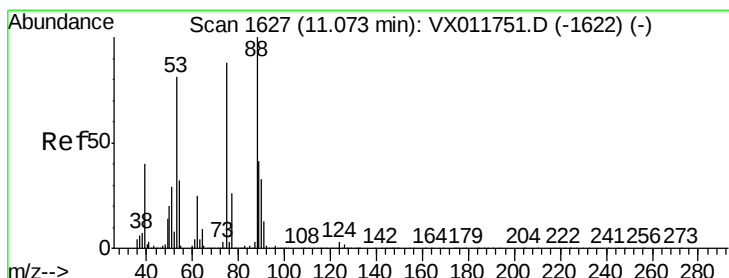
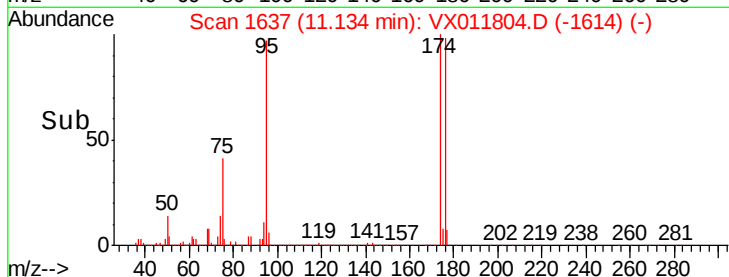
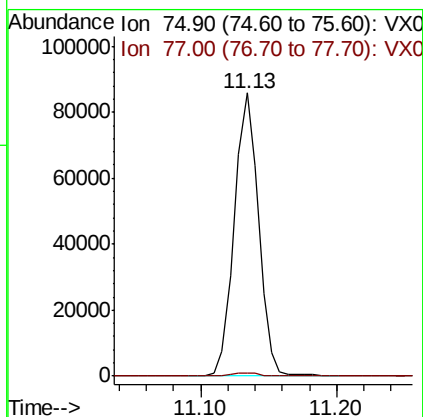
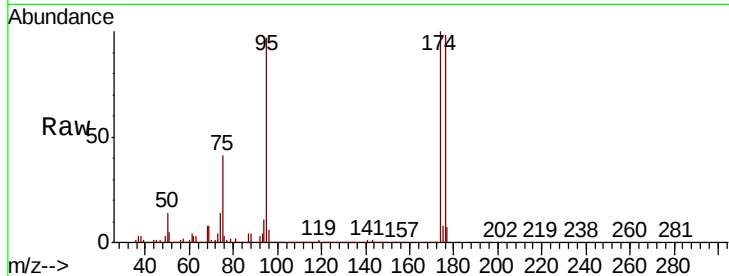
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 106931

Ion Ratio Lower Upper

75 100

77 1.6 21.1 63.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.623 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011804.D

Acq: 23 Aug 2019 17:38

Tgt Ion: 75 Resp: 106931

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.1 38.5 57.7#

