

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018155.D
 Acq On : 31 Aug 2020 18:10
 Operator : JC/SP
 Sample : L3835-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Sep 01 05:33:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	438649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	720708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	680396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	335667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	316604	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
35) Dibromofluoromethane	5.47	113	248238	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	8.70	98	881474	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.12	95	324263	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	

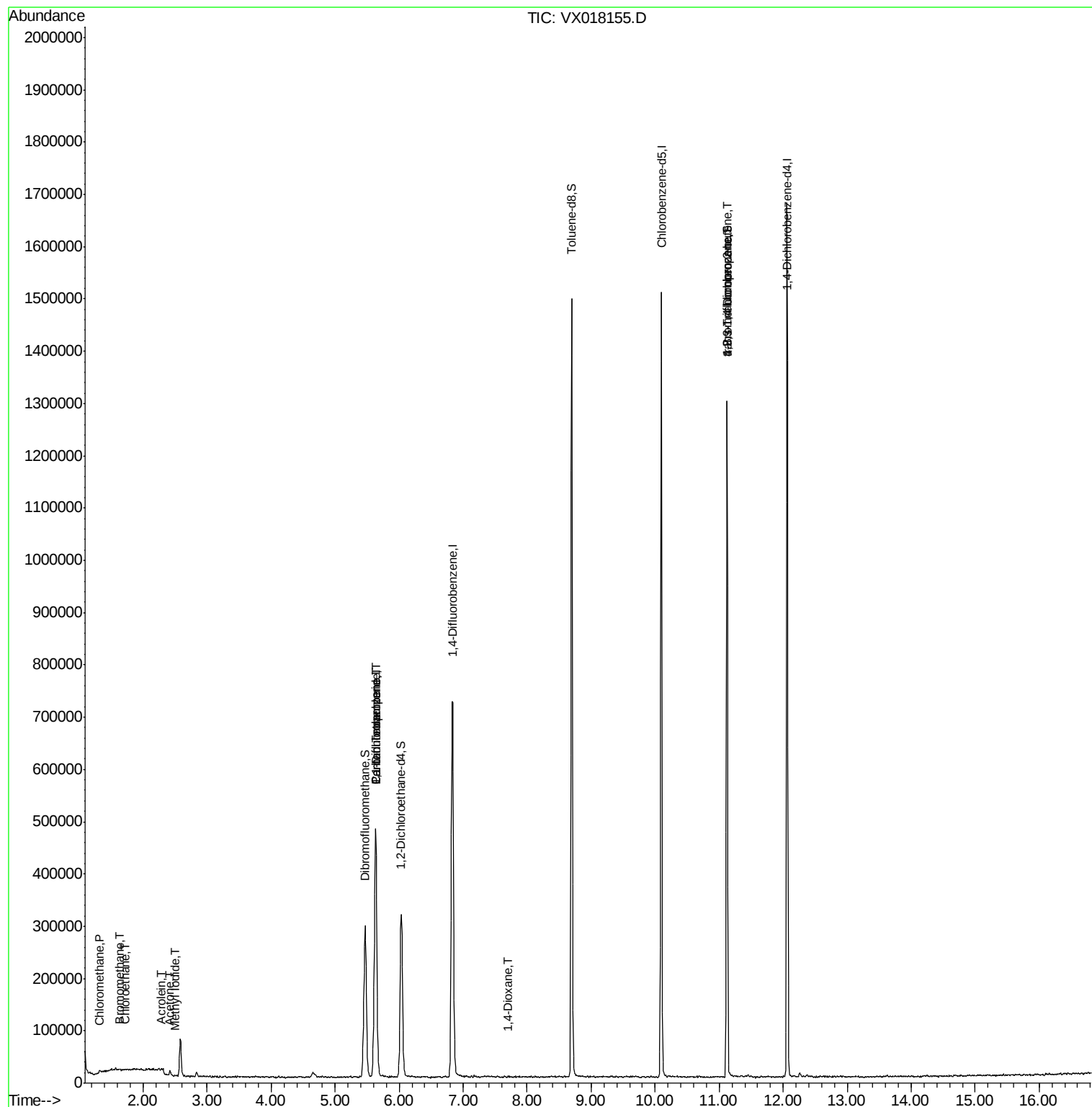
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2777	0.493	ug/l #	78
5) Bromomethane	1.64	94	603	0.223	ug/l #	55
6) Chloroethane	1.72	64	656	0.218	ug/l #	41
10) Methyl Iodide	2.49	142	257	5.339	ug/l #	85
13) Acrolein	2.28	56	443	0.902	ug/l #	14
16) Acetone	2.42	43	9029	3.805	ug/l #	86
20) Methylene Chloride	2.83	84	4059	Below Cal	#	84
36) 1,1-Dichloropropene	5.64	75	35000	5.265	ug/l #	50
38) Carbon Tetrachloride	5.63	117	47592	6.353	ug/l #	19
49) 1,4-Dioxane	7.71	88	101	0.898	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	165500	22.164	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	165500	59.861	ug/l #	12

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

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QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018155.D

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Instrument :

MSVOA_X

ClientSampleId :

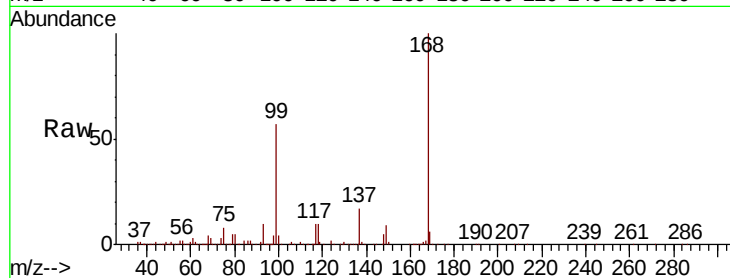
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 438649

Ion Ratio Lower Upper

168 100

99 57.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

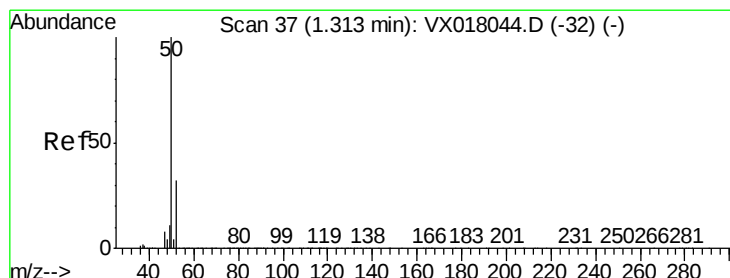
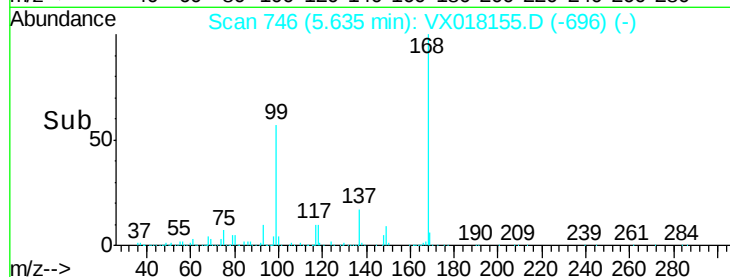
100000

50000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.493 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018155.D

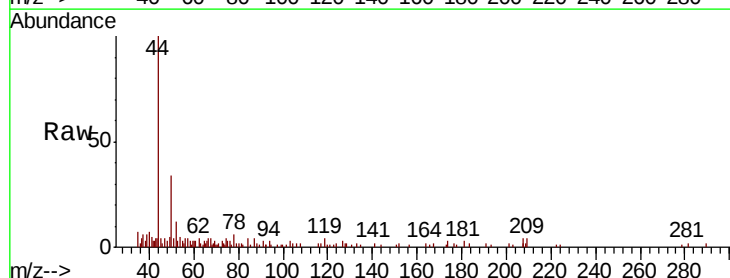
Acq: 31 Aug 2020 18:10

Tgt Ion: 50 Resp: 2777

Ion Ratio Lower Upper

50 100

52 19.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

1500

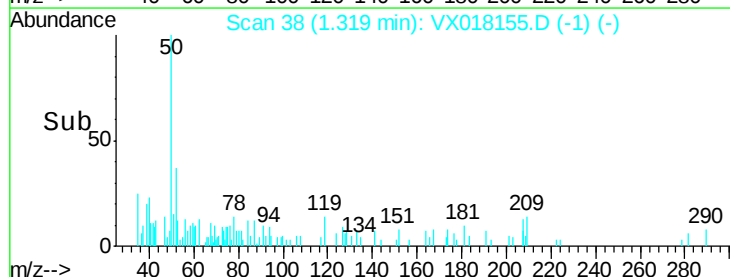
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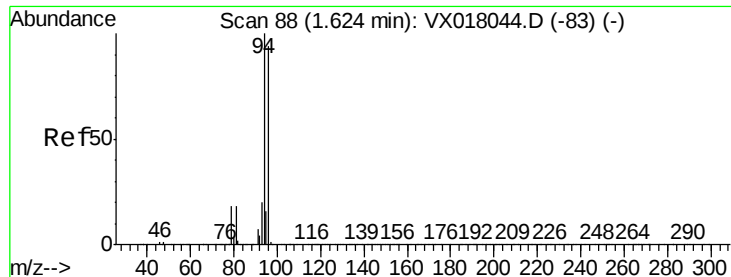
500

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

Instrument :

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ClientSampleId :

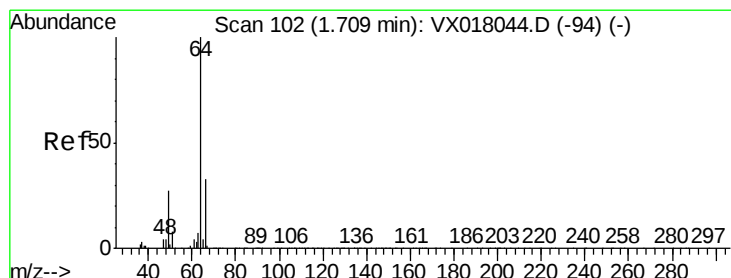
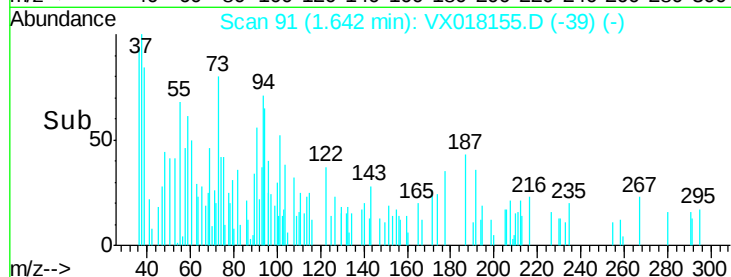
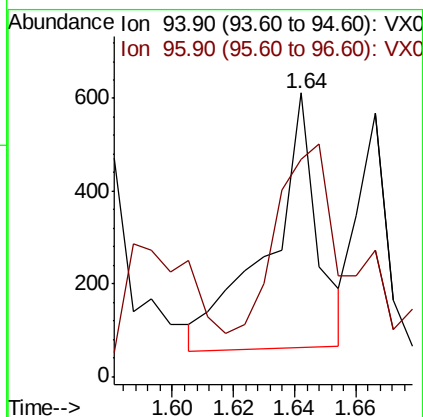
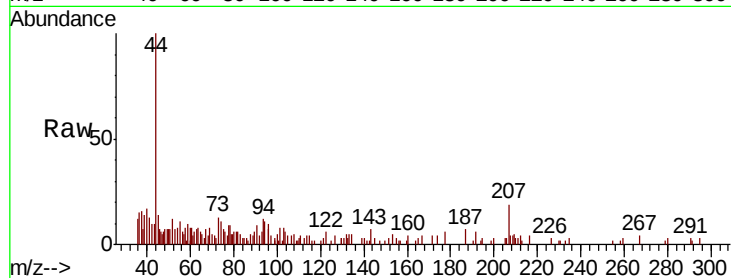
STORAGEBLANK-WATERREF-4

Tot Ion: 94 Resp: 603

Ion Ratio Lower Upper

94 100

96 49.9 74.8 112.2#



#6

Chloroethane

Concen: 0.218 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX018155.D

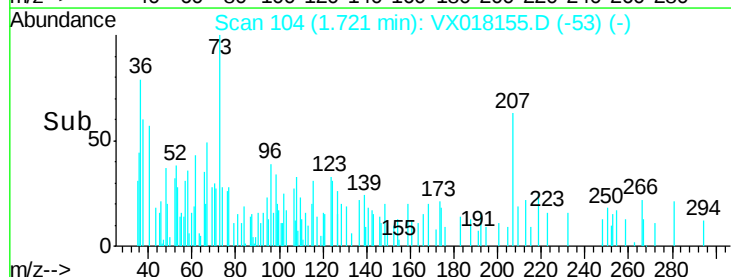
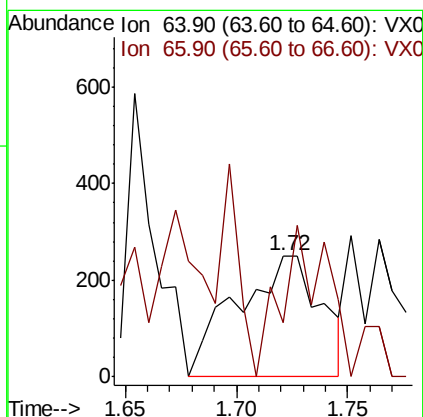
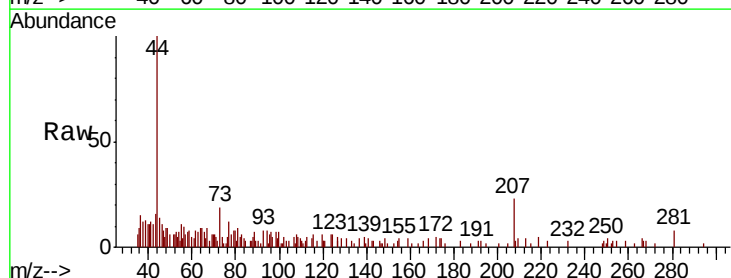
Acq: 31 Aug 2020 18:10

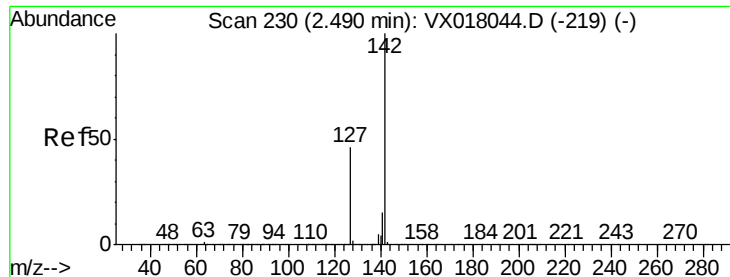
Tgt Ion: 64 Resp: 656

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#

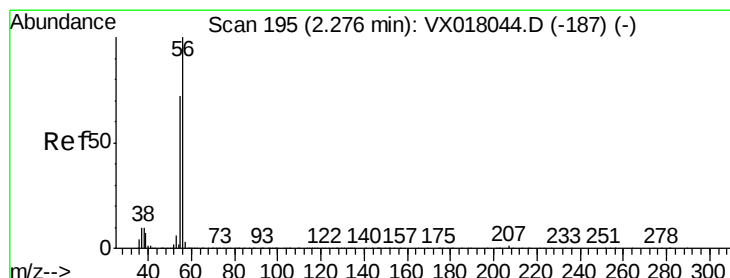
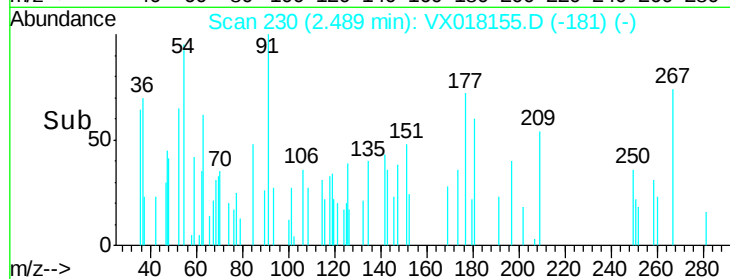
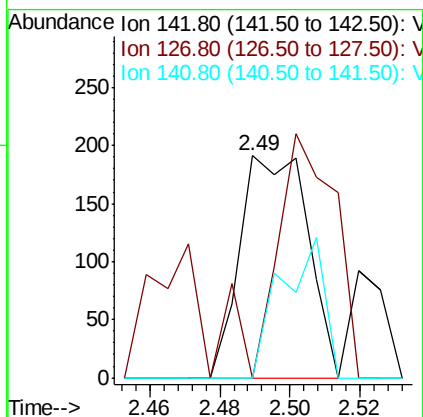
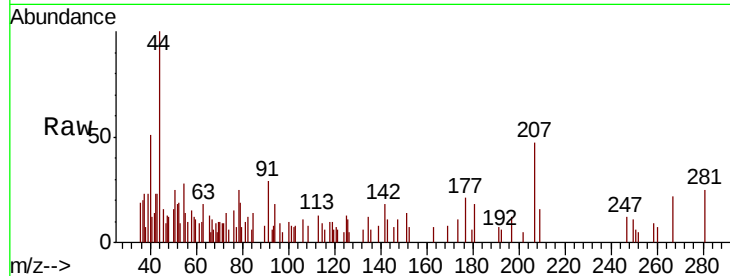




#10
Methvl Iodide
Concen: 5.339 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018155.D
Acq: 31 Aug 2020 18:10

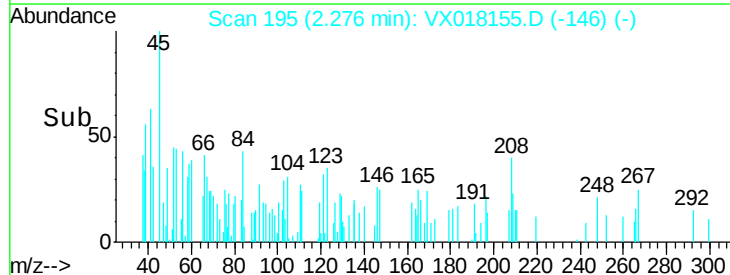
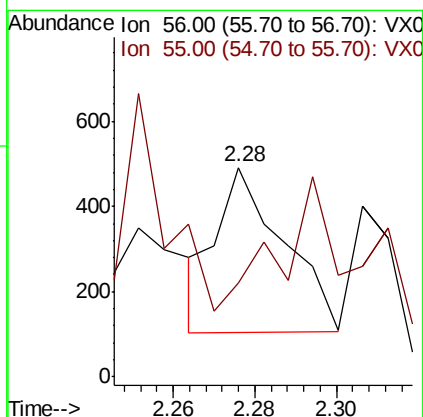
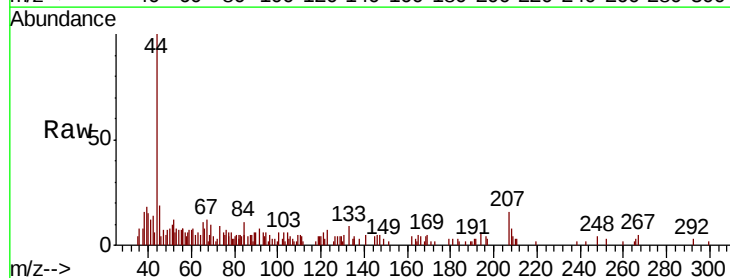
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

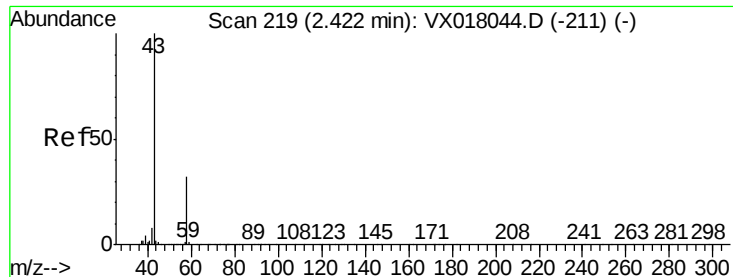
Tot Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
127 40.1 37.0 55.6
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.902 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018155.D
Acq: 31 Aug 2020 18:10

Tgt Ion: 56 Resp: 443
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#

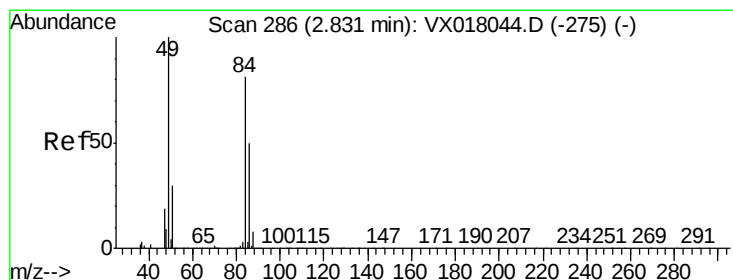
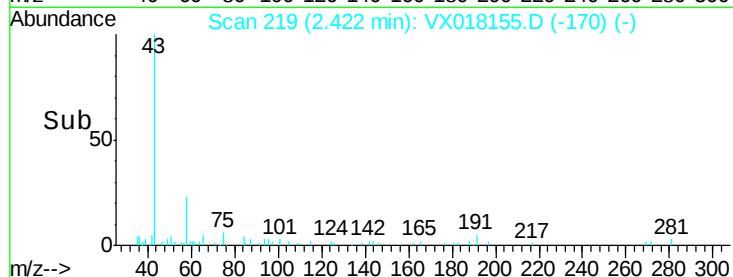
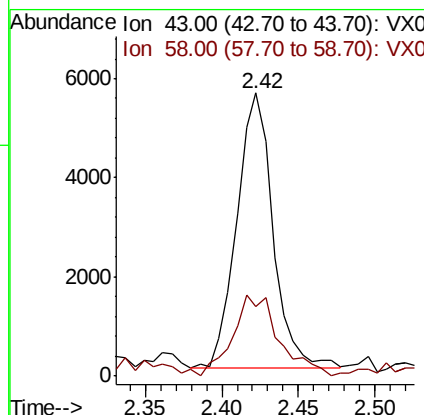
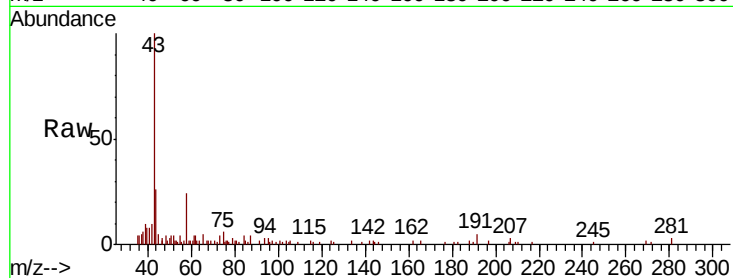




#16
Acetone
Concen: 3.805 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018155.D
Acq: 31 Aug 2020 18:10

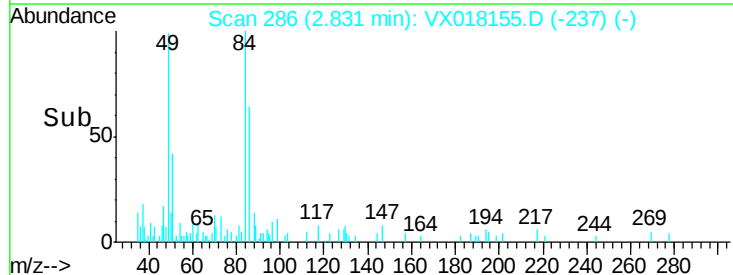
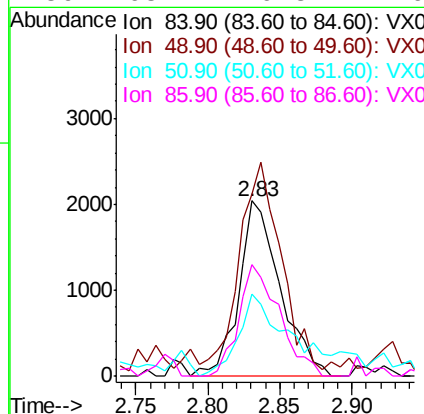
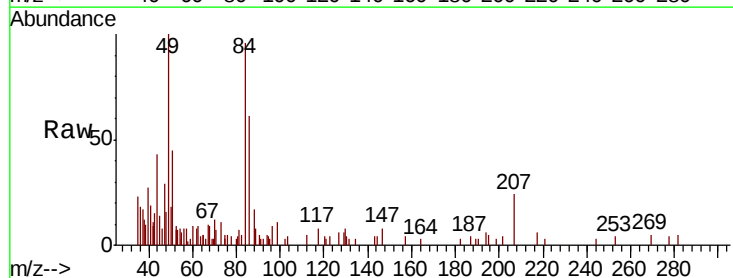
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

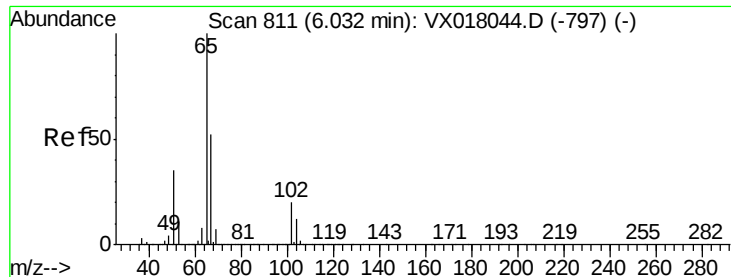
Tot Ion: 43 Resp: 9029
Ion Ratio Lower Upper
43 100
58 23.8 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018155.D
Acq: 31 Aug 2020 18:10

Tgt Ion: 84 Resp: 4059
Ion Ratio Lower Upper
84 100
49 92.4 98.6 148.0#
51 35.3 29.6 44.4
86 63.7 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 51.991 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

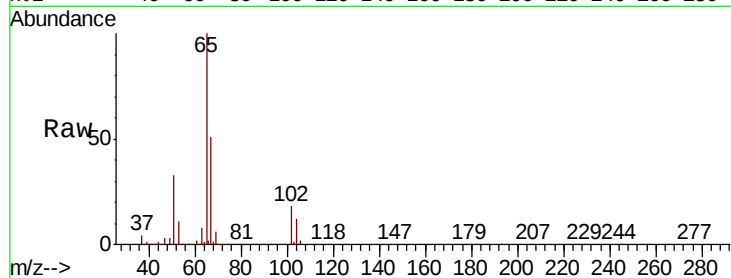
STORAGEBLANK-WATERREF-4

Tot Ion: 65 Resp: 316604

Ion Ratio Lower Upper

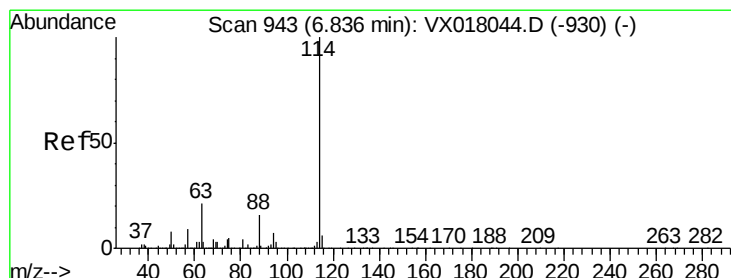
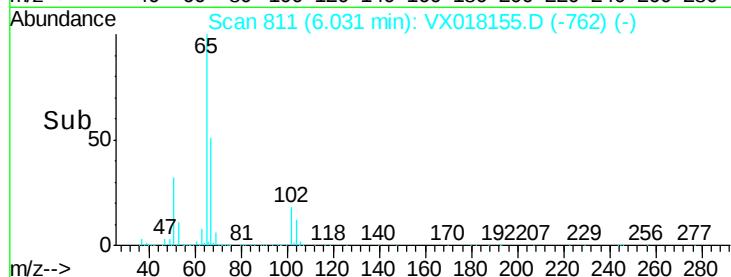
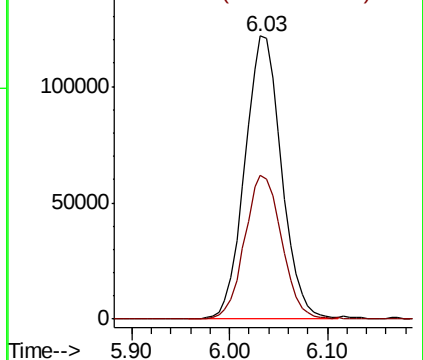
65 100

67 51.5 0.0 105.8



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: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

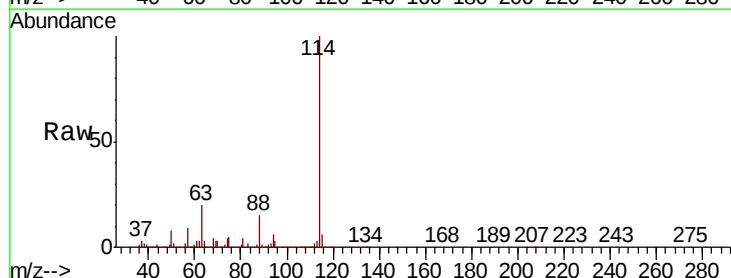
Tgt Ion: 114 Resp: 720708

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

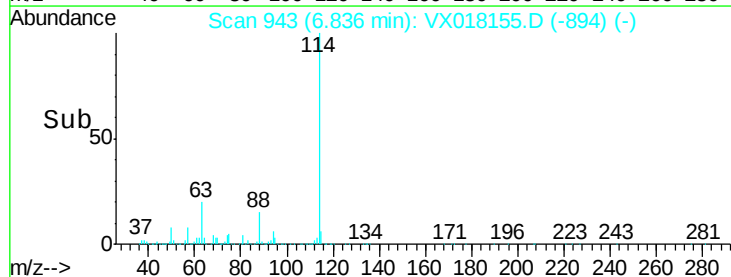
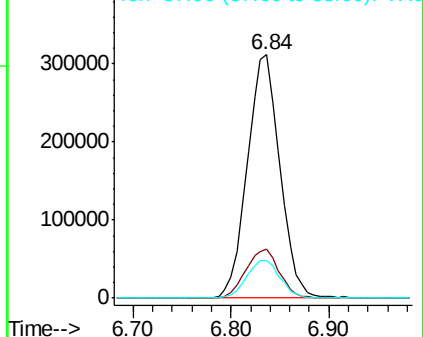
88 15.4 0.0 31.8

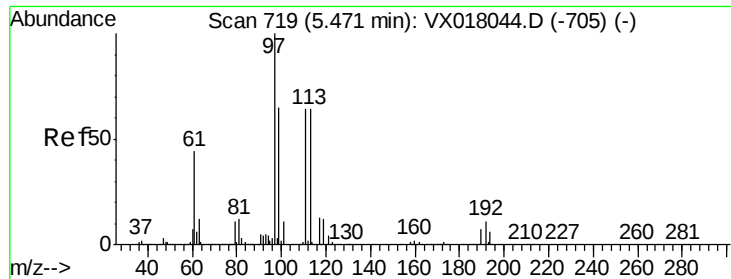


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.574 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

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STORAGEBLANK-WATERREF-4

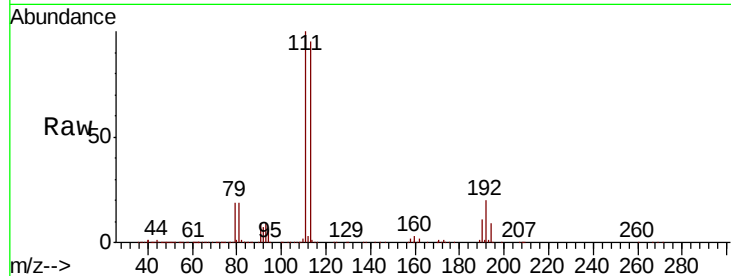
Tot Ion:113 Resp: 248238

Ion Ratio Lower Upper

113 100

111 103.5 81.6 122.4

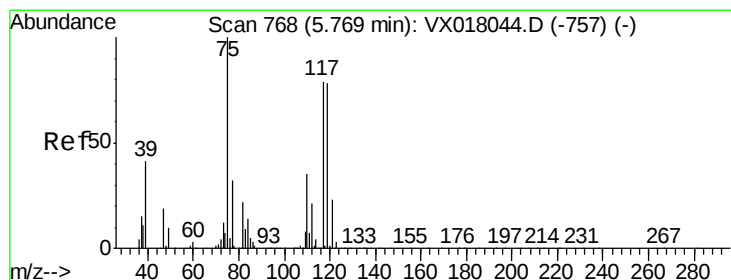
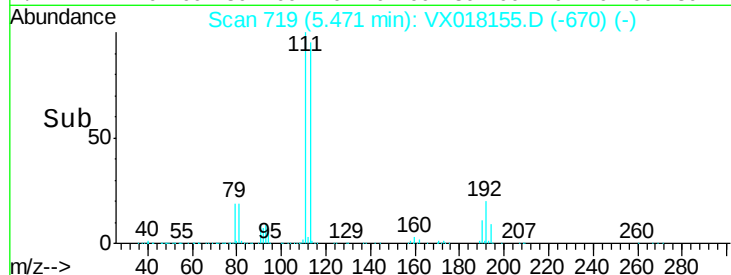
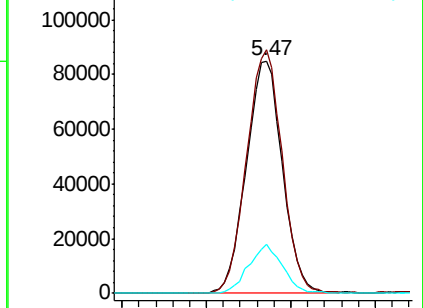
192 19.9 15.8 23.8



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: 5.265 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

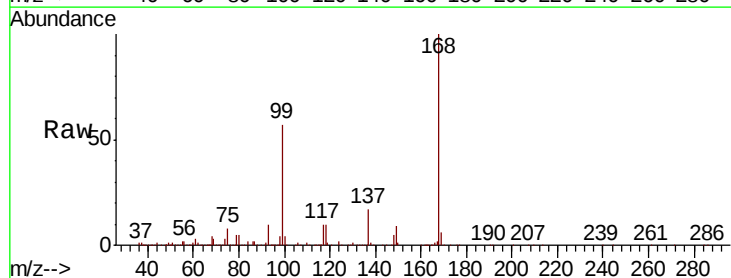
Tgt Ion: 75 Resp: 35000

Ion Ratio Lower Upper

75 100

110 8.9 18.0 54.0#

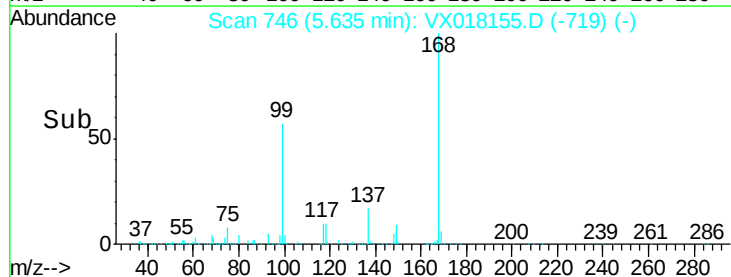
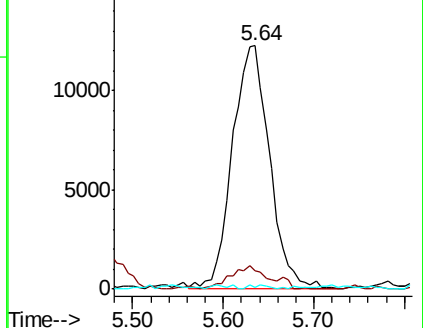
77 0.8 24.4 36.6#

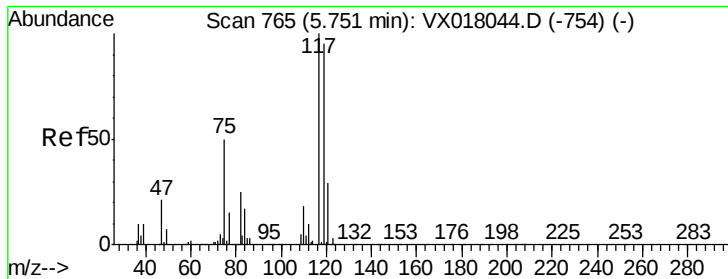


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.353 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

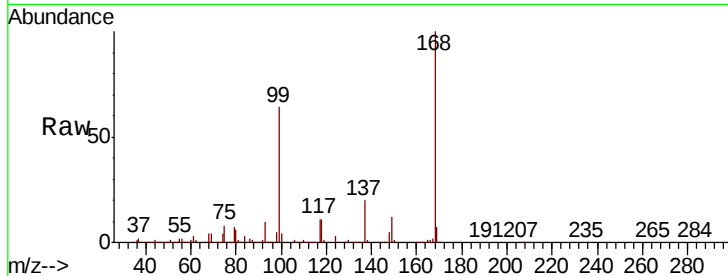
Tot Ion:117 Resp: 47592

Ion Ratio Lower Upper

117 100

119 7.7 75.8 113.6#

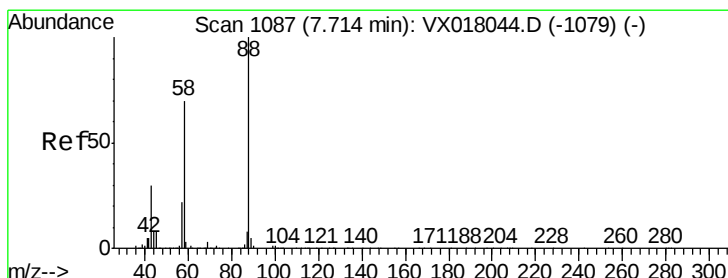
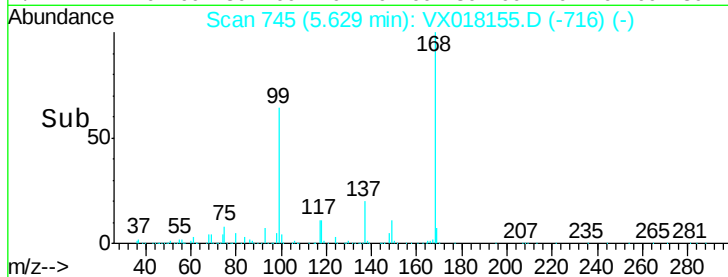
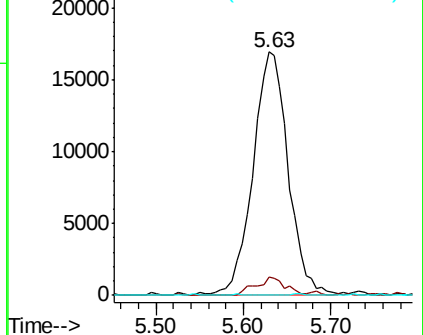
121 0.0 23.4 35.0#



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: 0.898 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

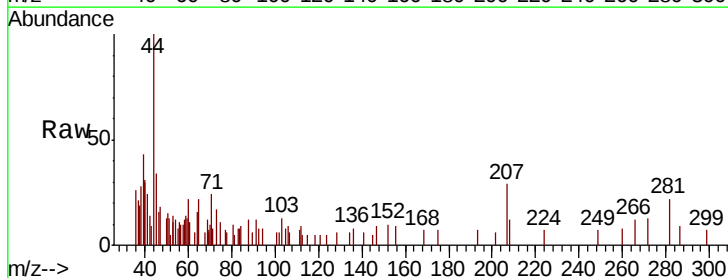
Tgt Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

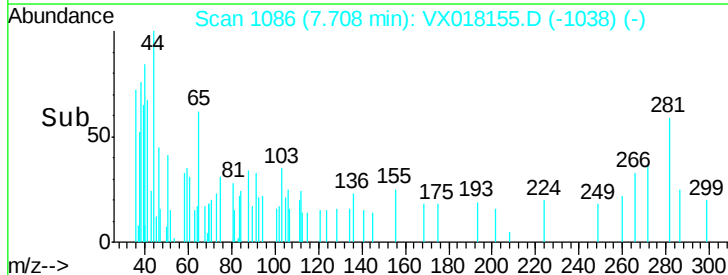
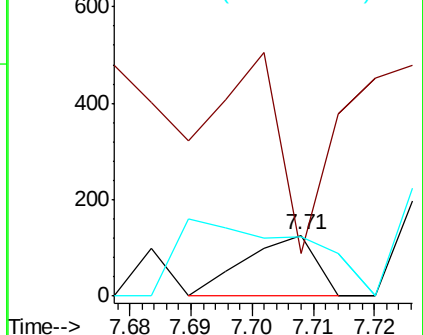
58 0.0 56.4 84.6#

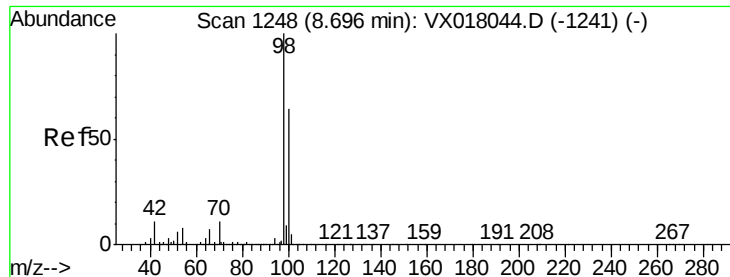


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.217 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

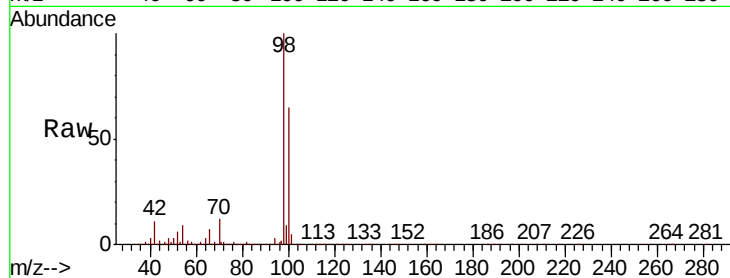
STORAGEBLANK-WATERREF-4

Tot Ion: 98 Resp: 881474

Ion Ratio Lower Upper

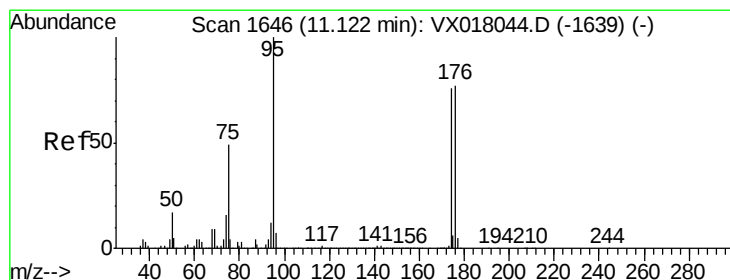
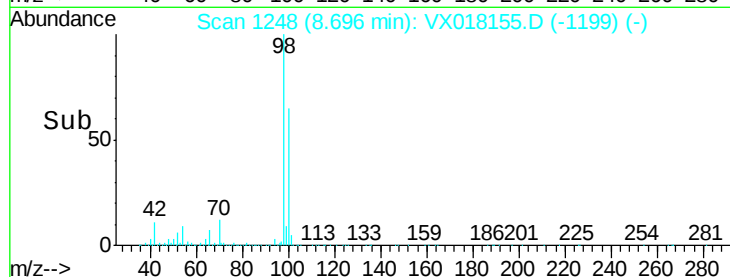
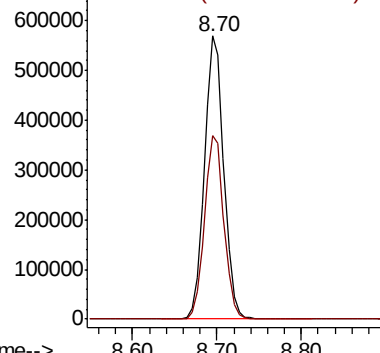
98 100

100 65.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.082 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

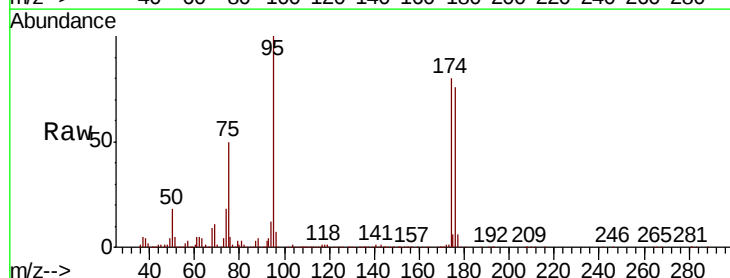
Tgt Ion: 95 Resp: 324263

Ion Ratio Lower Upper

95 100

174 83.1 0.0 160.2

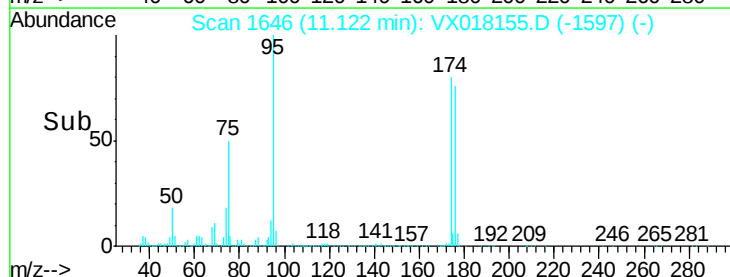
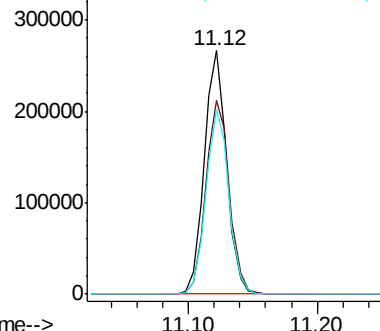
176 77.6 0.0 155.8

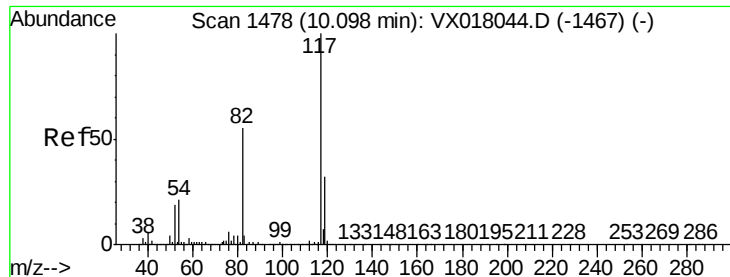


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

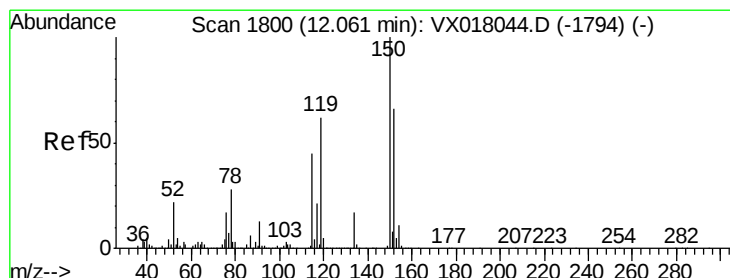
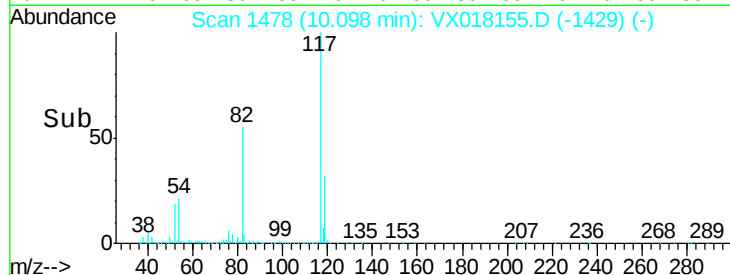
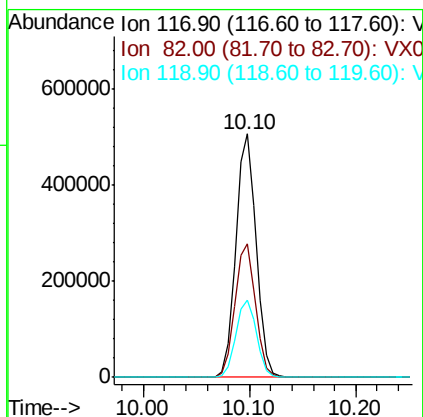
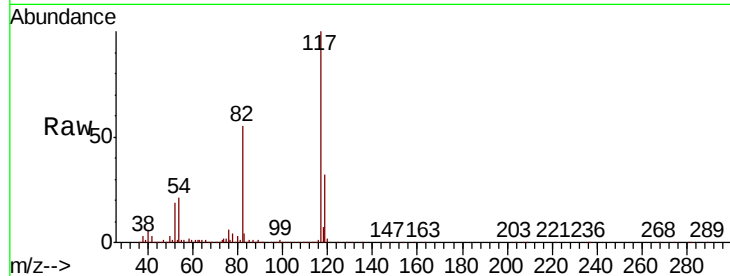




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018155.D
Acq: 31 Aug 2020 18:10

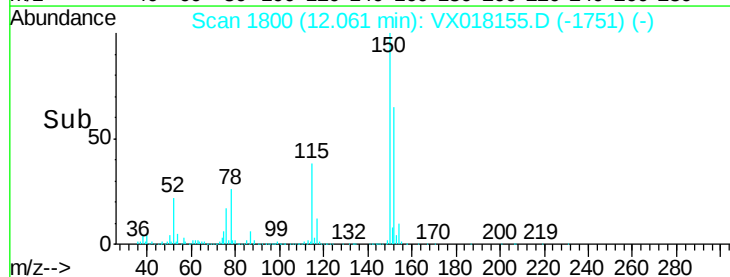
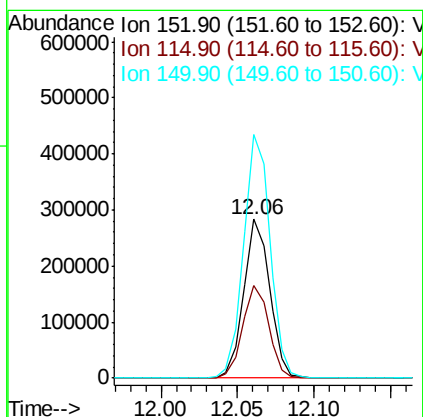
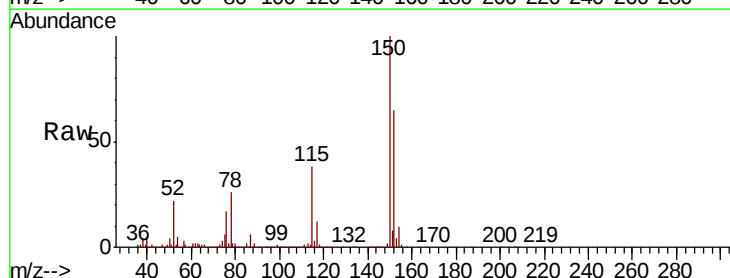
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

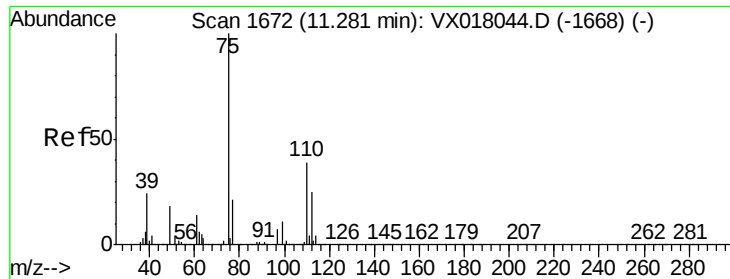
Tot Ion:117 Resp: 680396
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018155.D
Acq: 31 Aug 2020 18:10

Tgt Ion:152 Resp: 335667
Ion Ratio Lower Upper
152 100
115 58.7 41.5 124.5
150 155.6 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.164 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

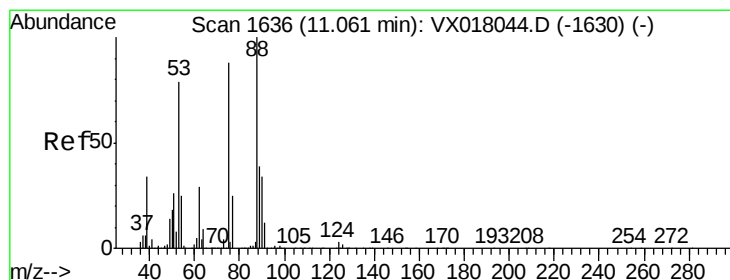
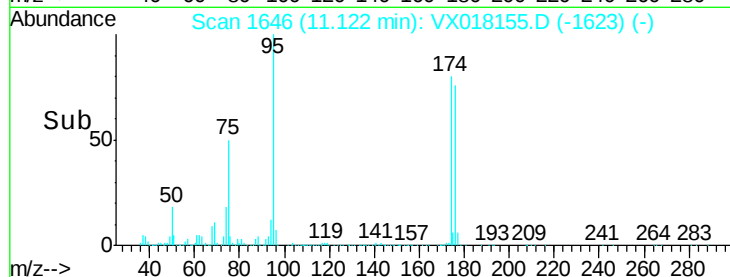
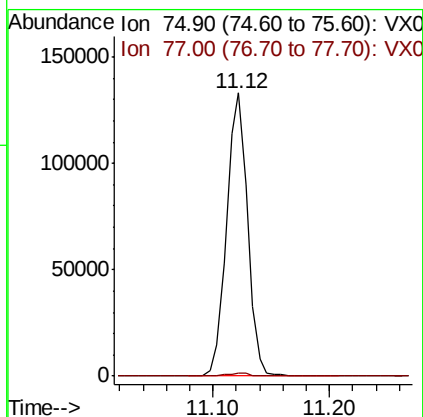
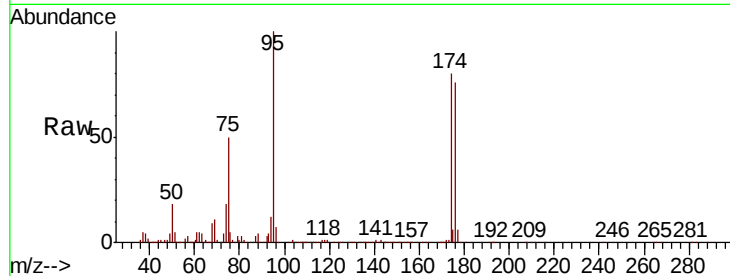
STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 165500

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.861 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018155.D

Acq: 31 Aug 2020 18:10

Tgt Ion: 75 Resp: 165500

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.1 36.6 54.8#

