

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019500.D
 Acq On : 20 Nov 2020 17:02
 Operator : JC/MD
 Sample : L4837-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 21 03:47:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	287994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	463409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	401285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	176587	47.29	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.58%
35) Dibromofluoromethane	5.46	113	139160	47.84	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.68%
50) Toluene-d8	8.70	98	552862	48.91	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.82%
62) 4-Bromofluorobenzene	11.12	95	180571	44.40	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.80%

Target Compounds

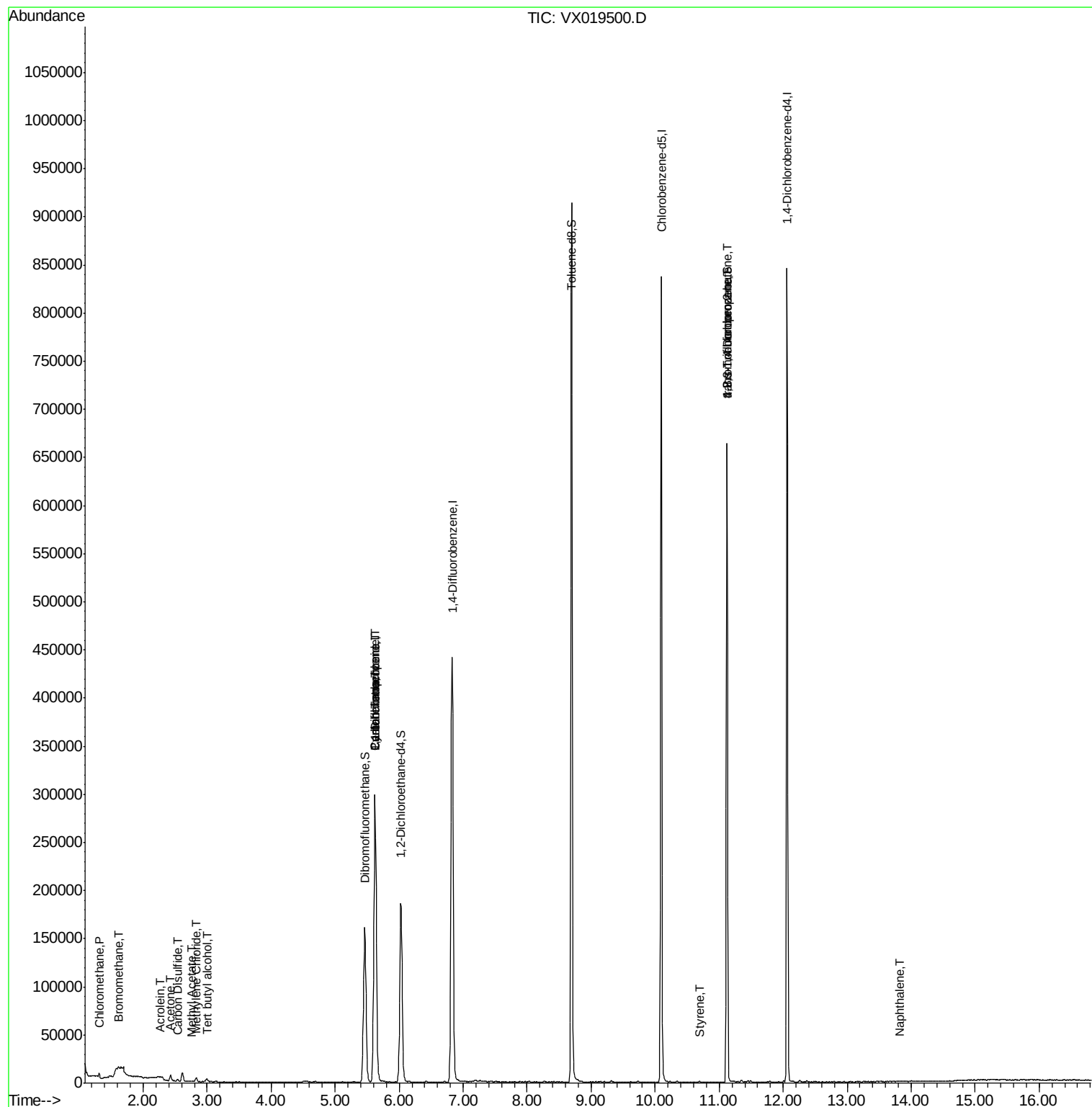
					Qvalue
3) Chloromethane	1.31	50	2850	0.887 ug/l	95
5) Bromomethane	1.62	94	563	0.430 ug/l #	68
6) Chloroethane	1.65	64	37	Below Cal #	1
11) Tert butyl alcohol	2.99	59	1921	2.718 ug/l #	73
13) Acrolein	2.28	56	192	0.404 ug/l #	53
16) Acetone	2.43	43	5659	3.919 ug/l	100
17) Carbon Disulfide	2.54	76	2037	0.265 ug/l	97
18) Methyl Acetate	2.76	43	330	0.727 ug/l #	47
20) Methylene Chloride	2.83	84	1839	0.510 ug/l	93
31) Cyclohexane	5.62	56	5671	1.168 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22241	5.119 ug/l #	49
38) Carbon Tetrachloride	5.63	117	28278	6.725 ug/l #	17
70) Styrene	10.70	104	267	1.673 ug/l #	82
76) 1,2,3-Trichloropropane	11.12	75	90726	23.886 ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	90726	63.285 ug/l #	12
95) Naphthalene	13.82	128	584	2.222 ug/l #	69

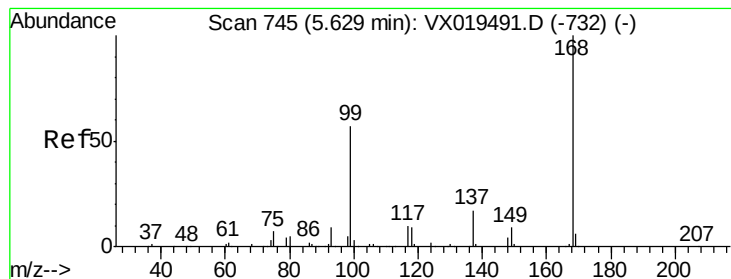
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112120\
Data File : VX019500.D
Acq On : 20 Nov 2020 17:02
Operator : JC/MD
Sample : L4837-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 21 03:47:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

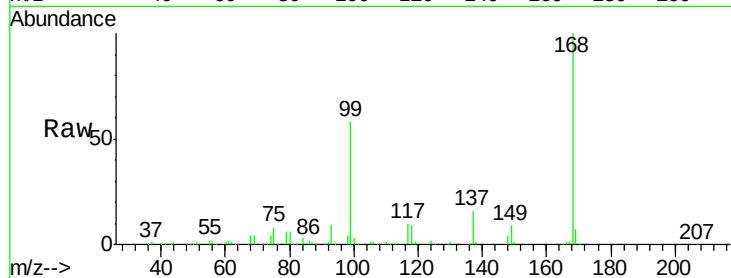
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 287994

Ion Ratio Lower Upper

168 100

99 57.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

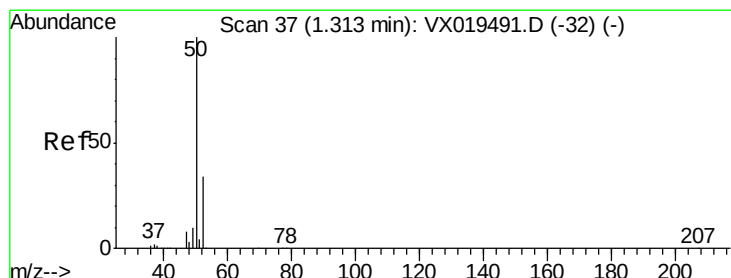
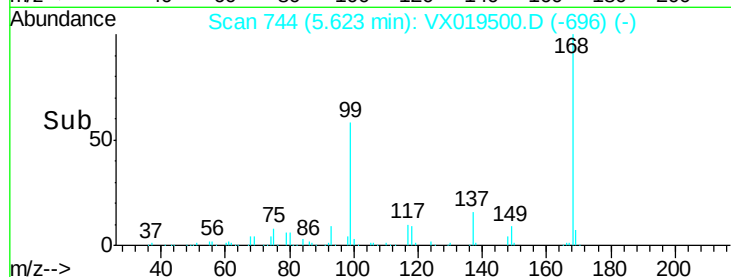
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.887 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019500.D

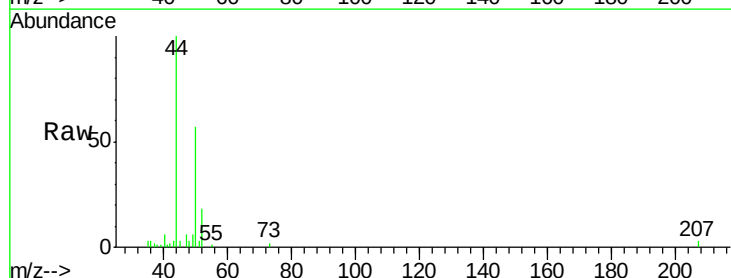
Acq: 20 Nov 2020 17:02

Tgt Ion: 50 Resp: 2850

Ion Ratio Lower Upper

50 100

52 30.7 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

2500

2000

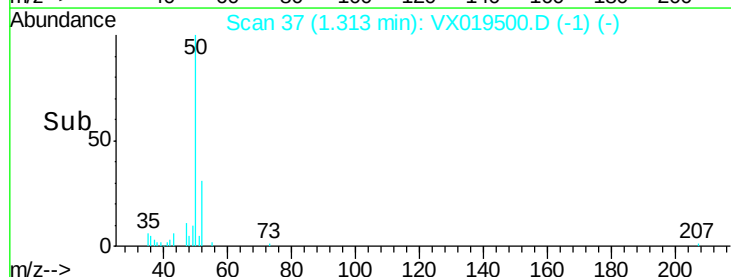
1500

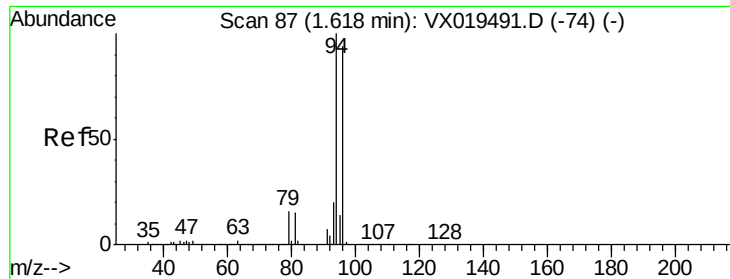
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.430 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

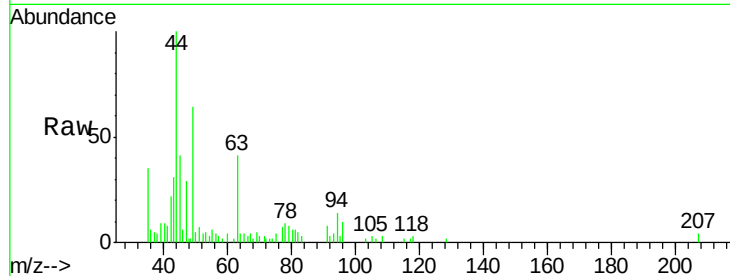
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 563

Ion Ratio Lower Upper

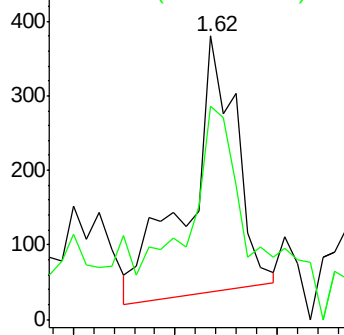
94 100

96 63.4 75.6 113.4#

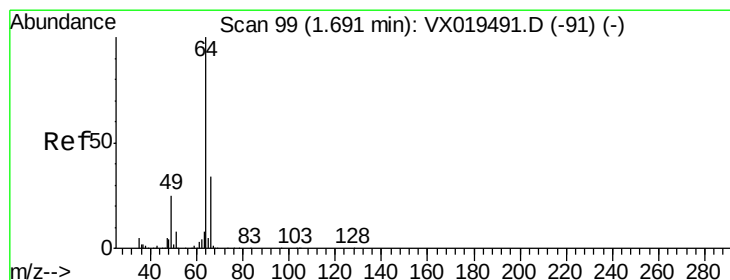
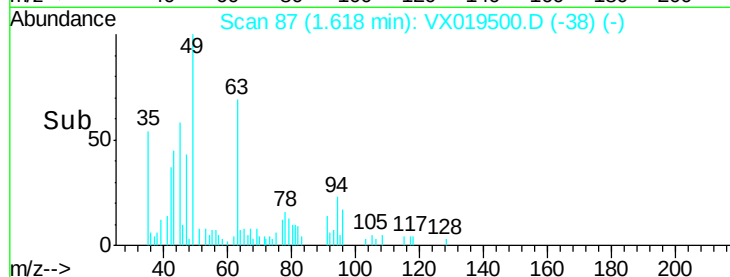


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 93

Delta R.T. -0.04 min

Lab File: VX019500.D

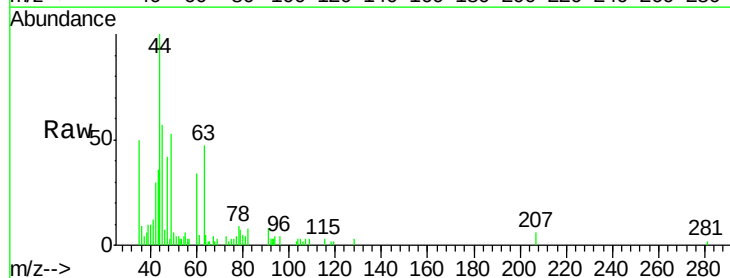
Acq: 20 Nov 2020 17:02

Tgt Ion: 64 Resp: 37

Ion Ratio Lower Upper

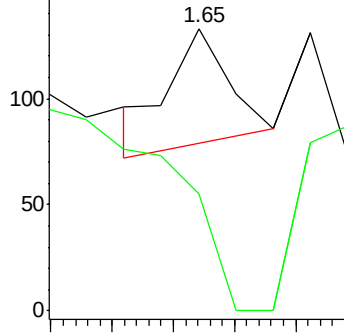
64 100

66 117.0 27.1 40.7#

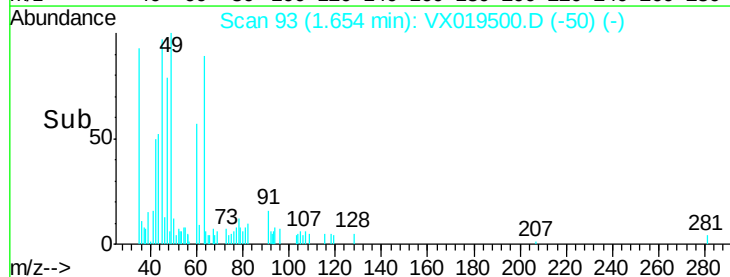


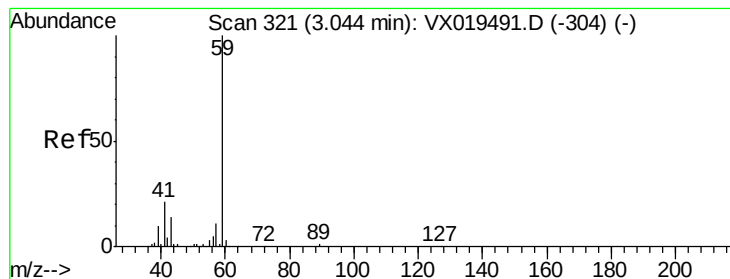
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



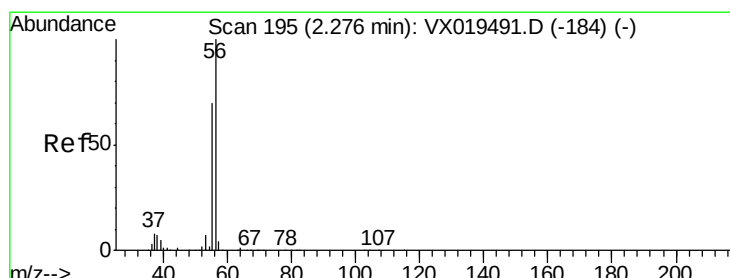
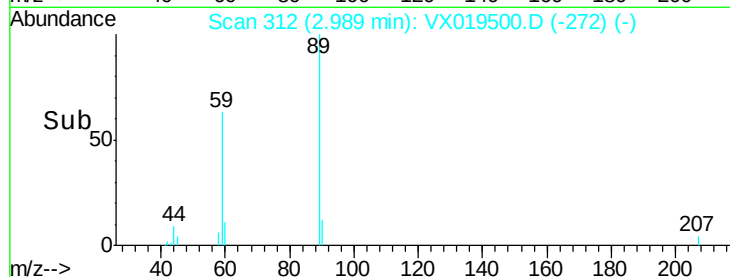
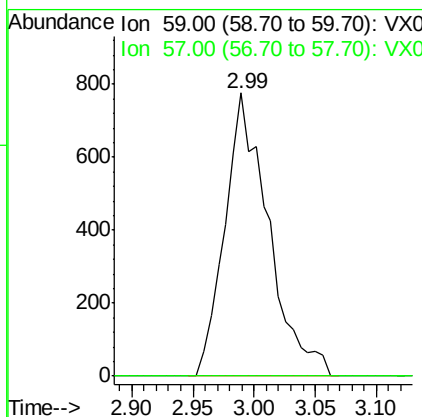
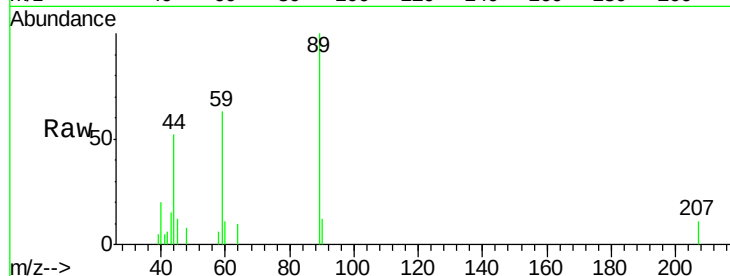


#11

Tert butyl alcohol
 Concen: 2.718 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.06 min
 Lab File: VX019500.D
 Acq: 20 Nov 2020 17:02

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

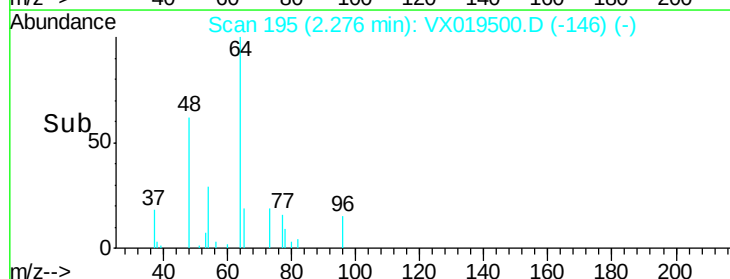
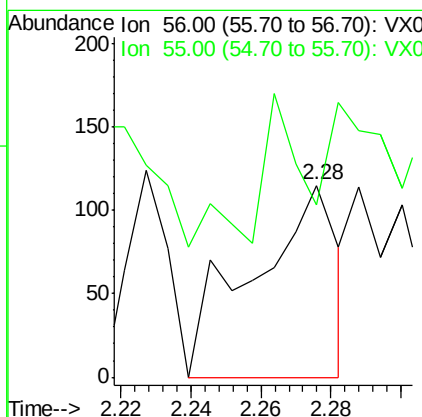
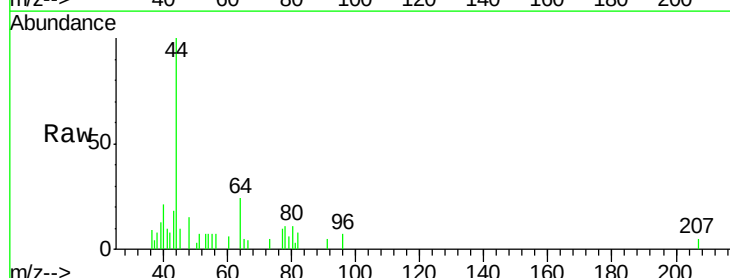
Tot Ion: 59 Resp: 1921
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

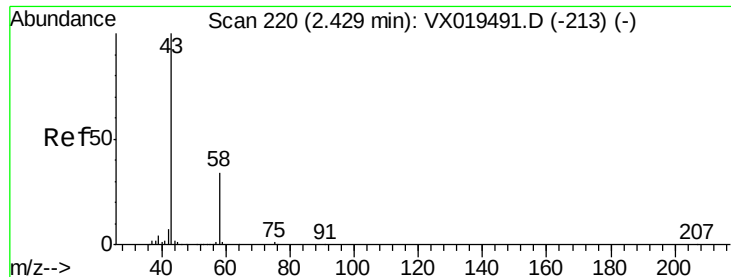


#13

Acrolein
 Concen: 0.404 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX019500.D
 Acq: 20 Nov 2020 17:02

Tgt Ion: 56 Resp: 192
 Ion Ratio Lower Upper
 56 100
 55 30.7 55.5 83.3#

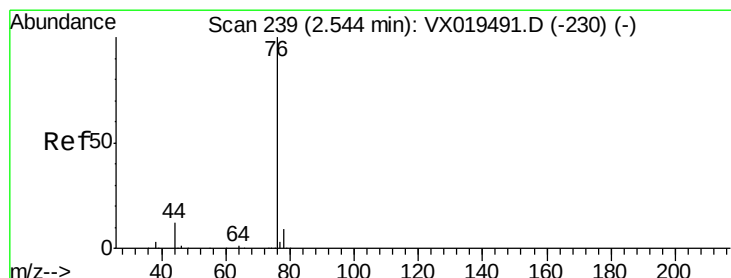
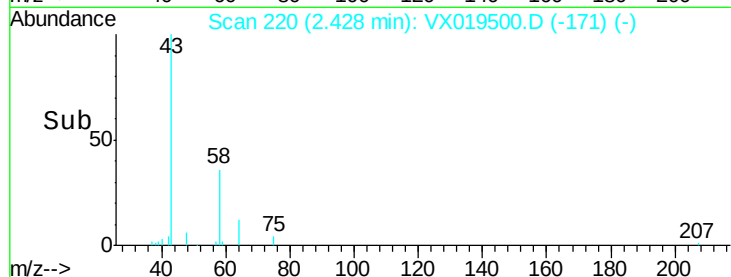
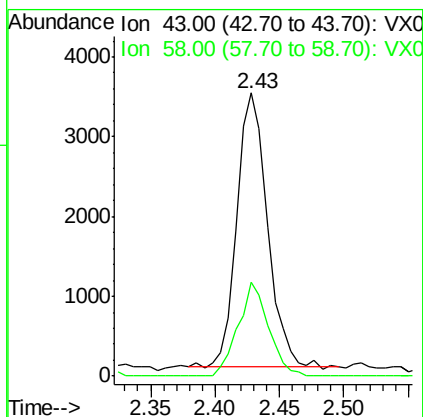
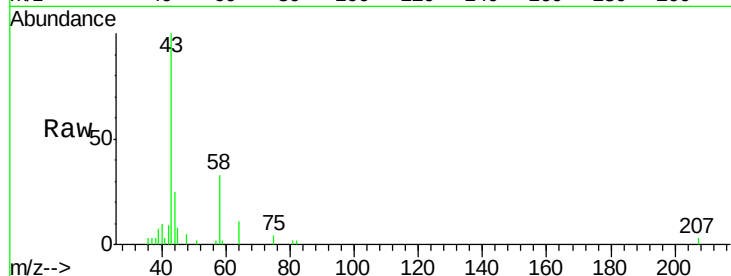




#16
Acetone
Concen: 3.919 ug/l
RT: 2.43 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

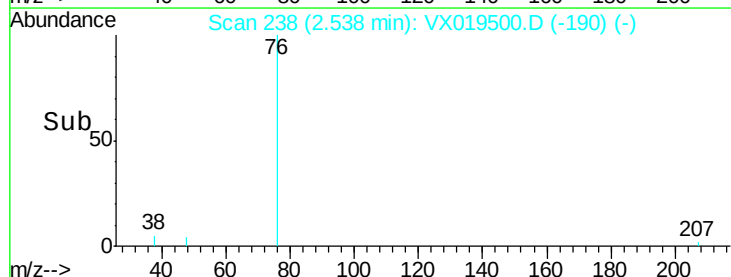
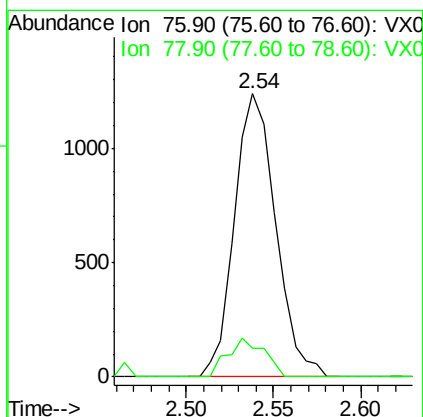
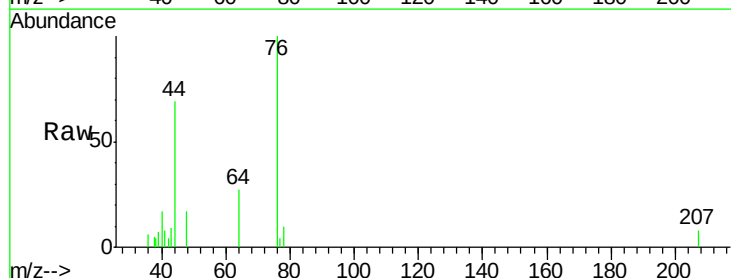
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

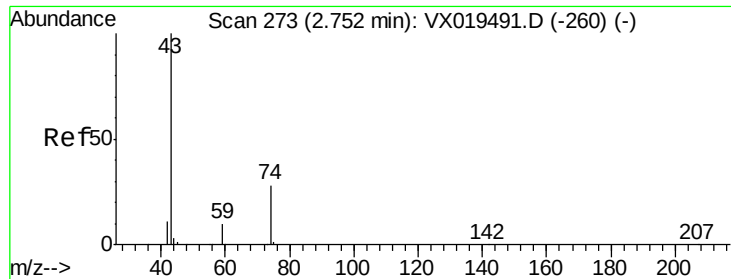
Tot Ion: 43 Resp: 5659
Ion Ratio Lower Upper
43 100
58 34.3 27.4 41.2



#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

Tgt Ion: 76 Resp: 2037
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8

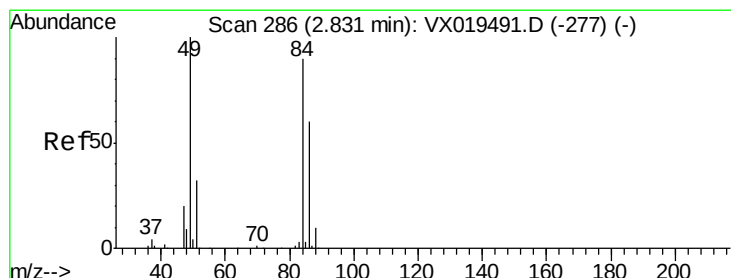
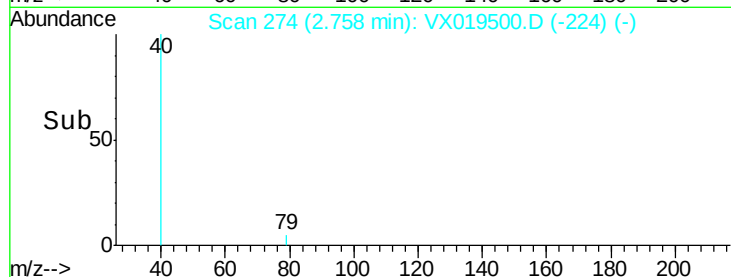
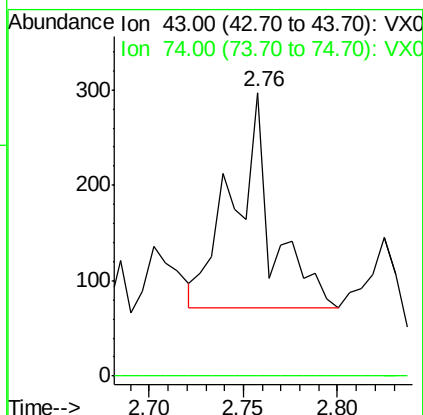
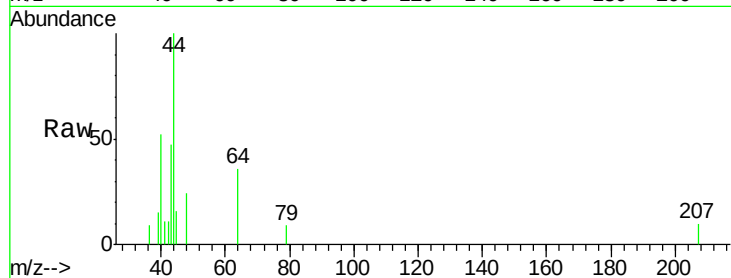




#18
Methyl Acetate
Concen: 0.727 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

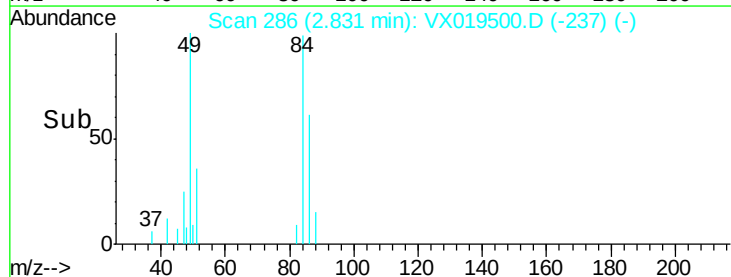
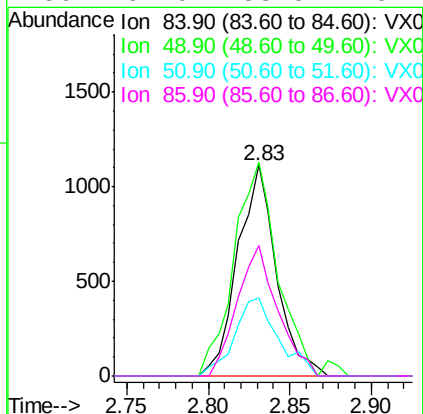
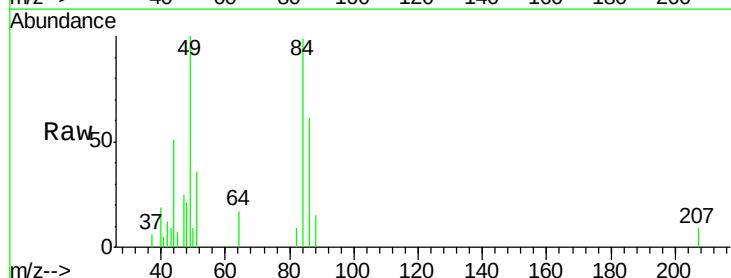
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

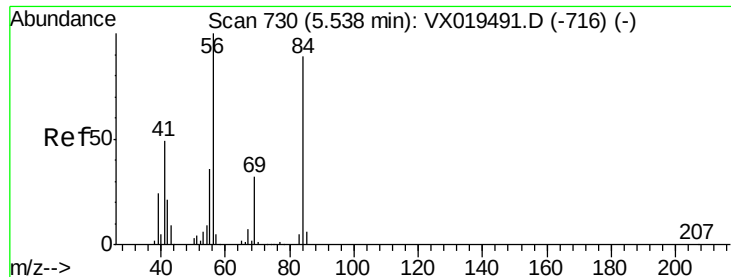
Tot Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#20
Methylene Chloride
Concen: 0.510 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

Tgt Ion: 84 Resp: 1839
Ion Ratio Lower Upper
84 100
49 101.3 88.5 132.7
51 36.8 28.0 42.0
86 62.0 53.0 79.4





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

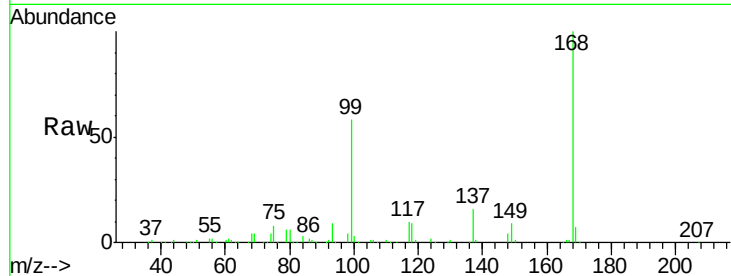
Tot Ion: 56 Resp: 5671

Ion Ratio Lower Upper

56 100

69 199.7 25.5 38.3#

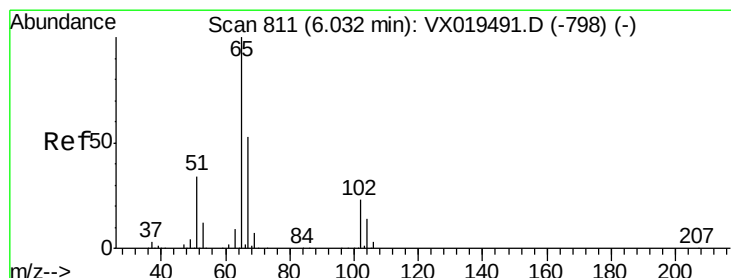
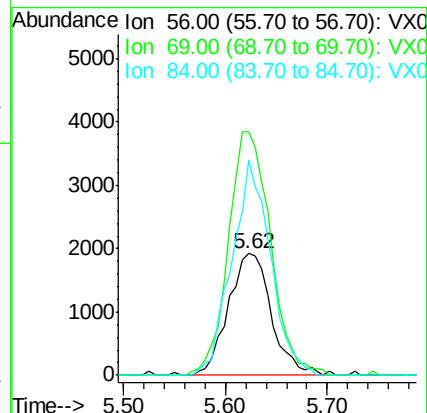
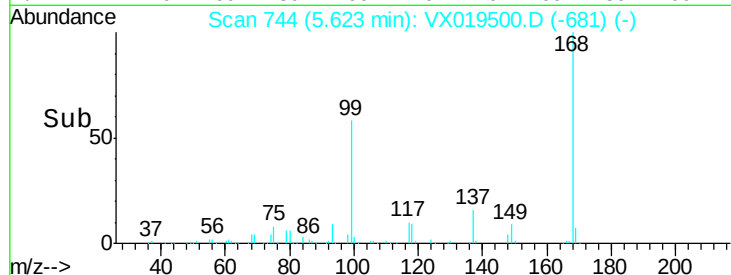
84 176.4 71.1 106.7#



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: 47.291 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019500.D

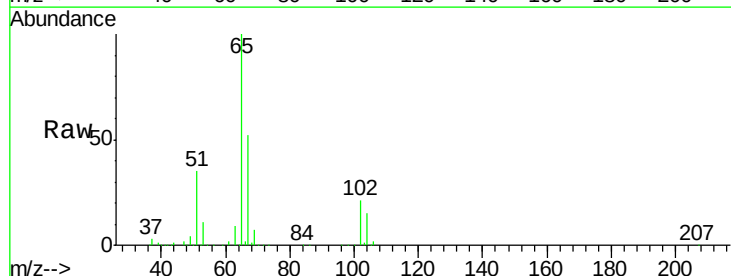
Acq: 20 Nov 2020 17:02

Tgt Ion: 65 Resp: 176587

Ion Ratio Lower Upper

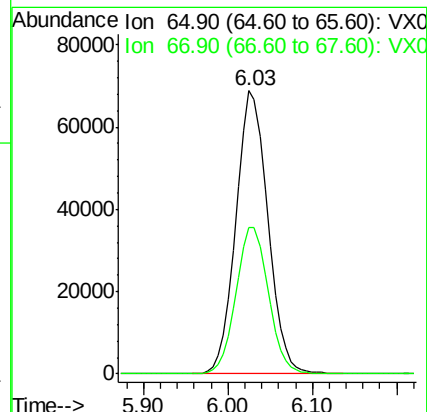
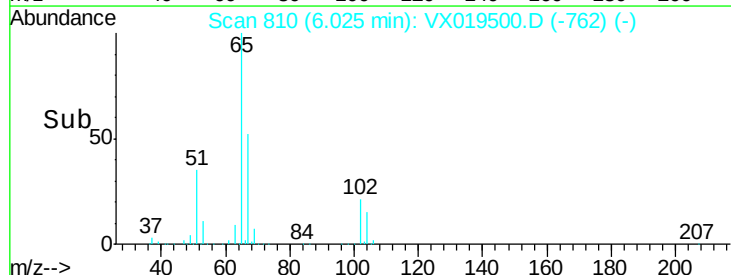
65 100

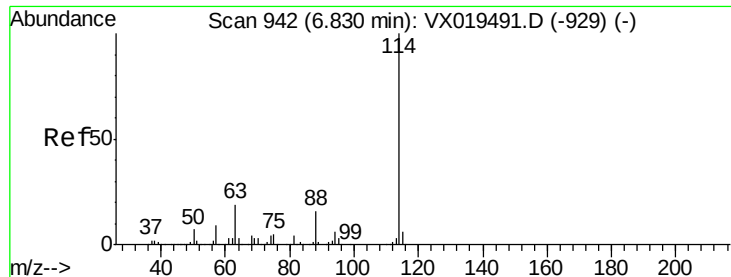
67 52.7 0.0 105.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

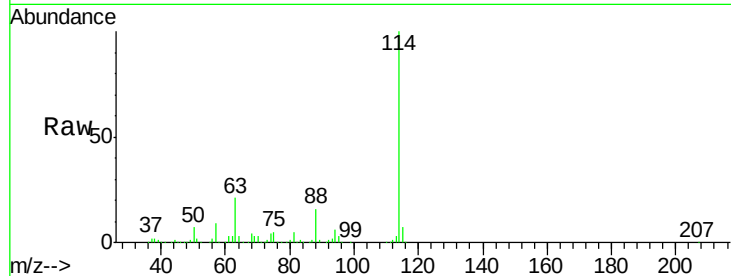
Tot Ion:114 Resp: 463409

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.8

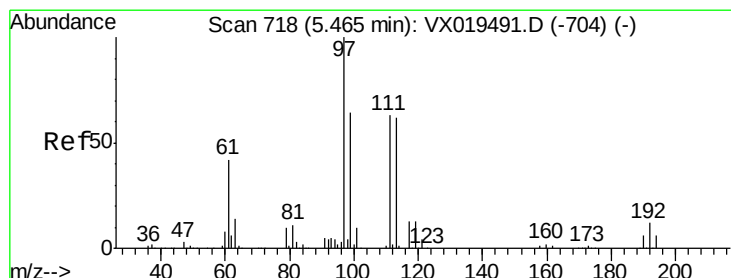
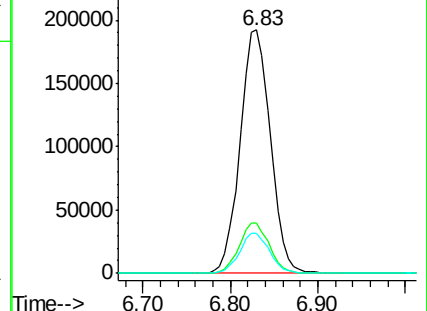
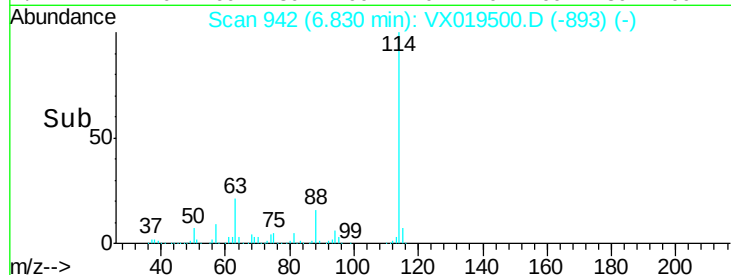
88 16.4 0.0 31.6



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: 47.841 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

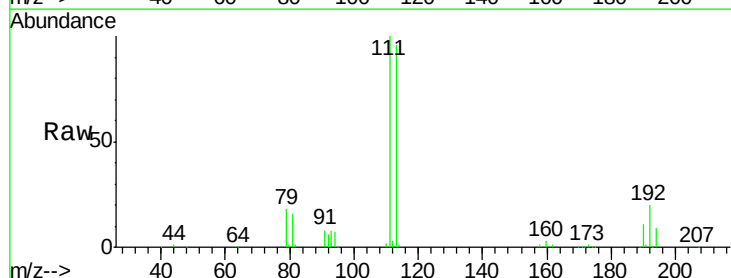
Tgt Ion:113 Resp: 139160

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

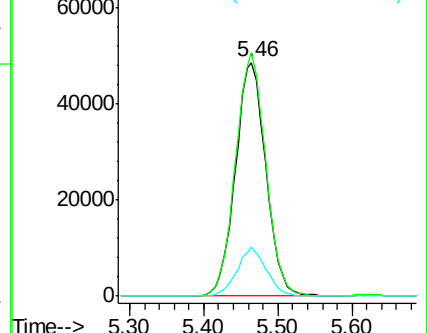
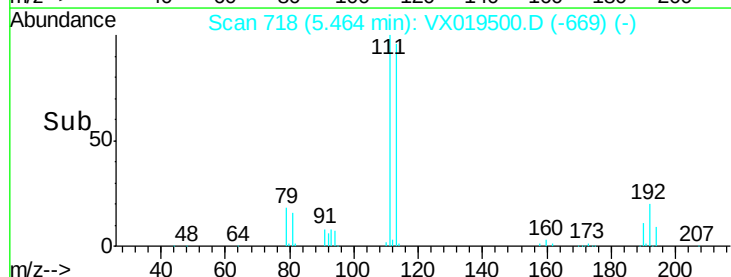
192 20.0 16.2 24.2

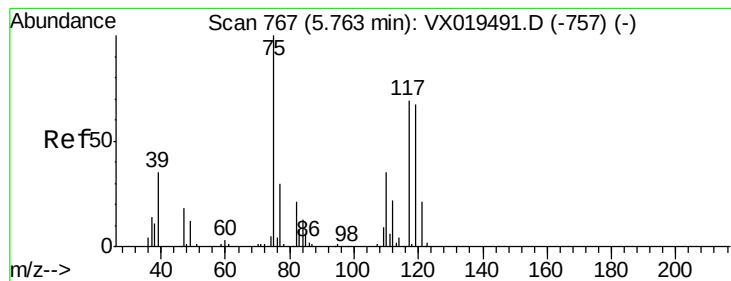


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.119 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

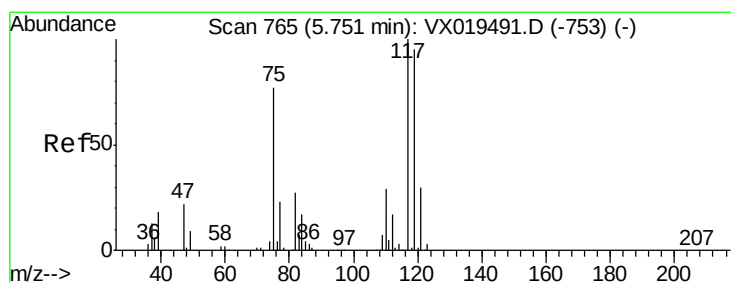
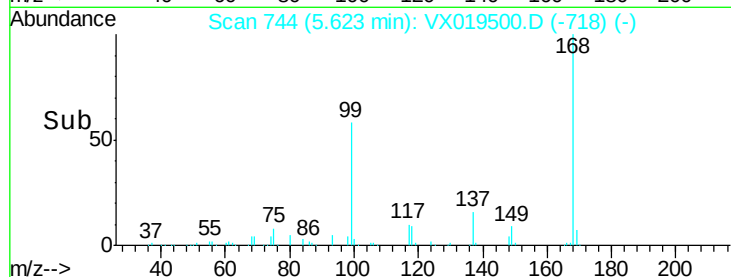
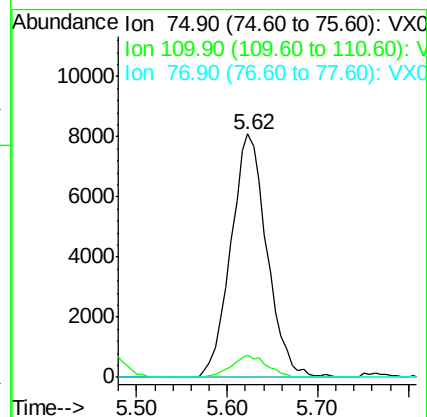
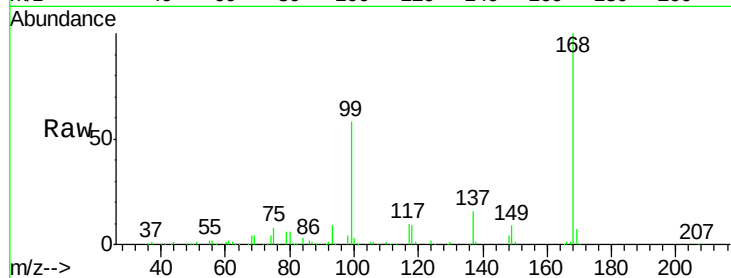
Tot Ion: 75 Resp: 22241

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.725 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

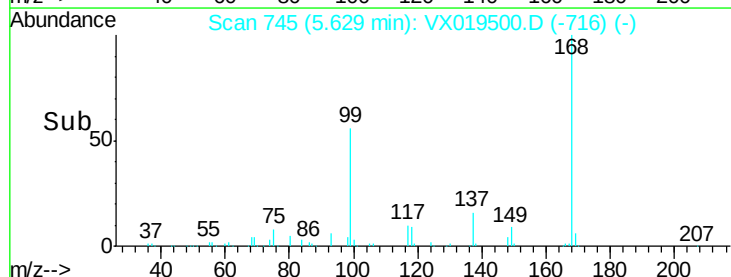
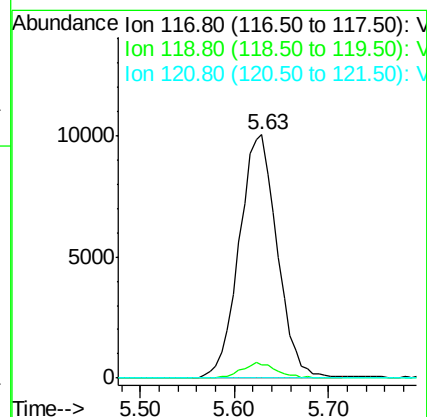
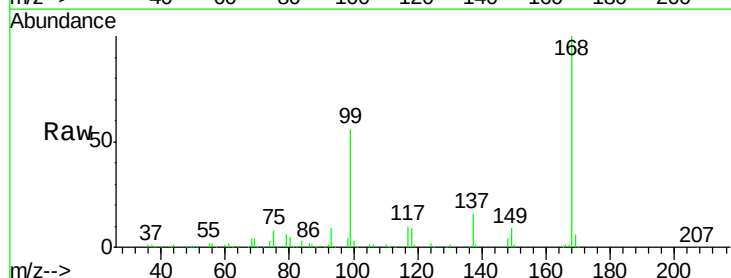
Tgt Ion: 117 Resp: 28278

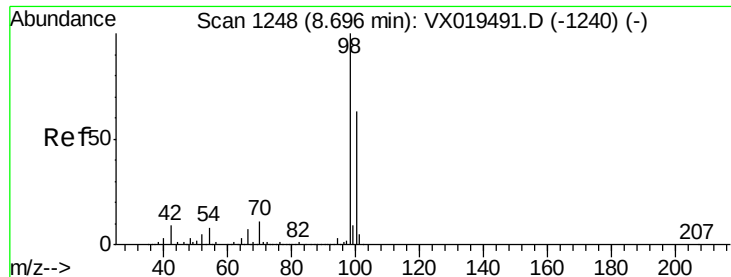
Ion Ratio Lower Upper

117 100

119 5.5 75.9 113.9#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.911 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

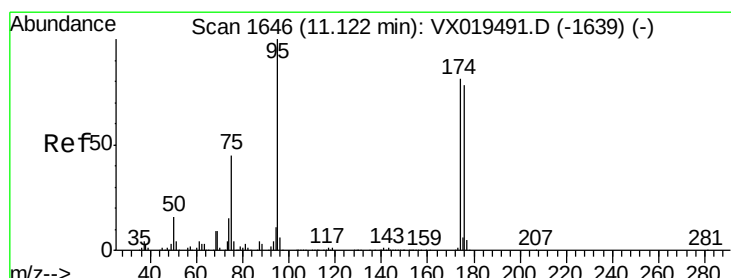
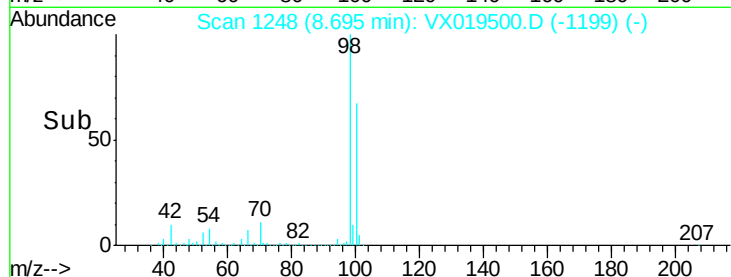
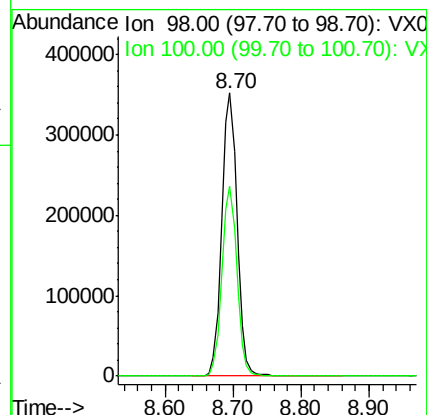
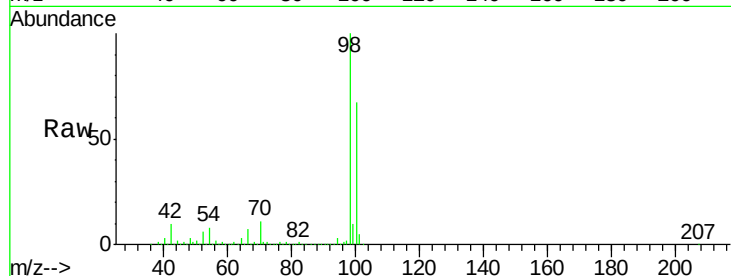
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 552862

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.401 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

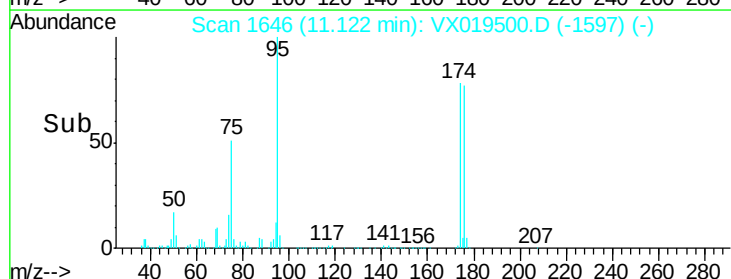
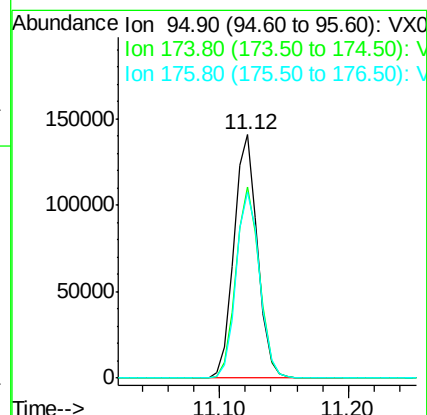
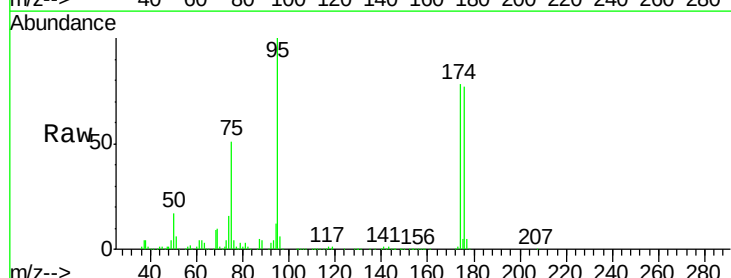
Tgt Ion: 95 Resp: 180571

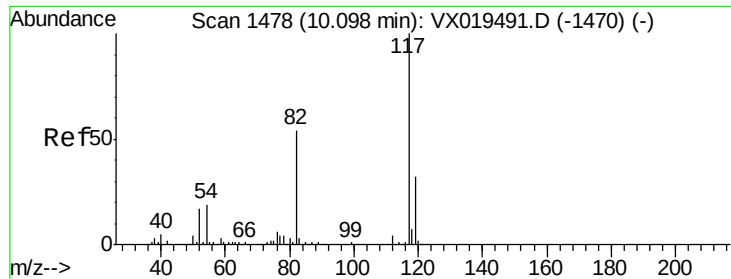
Ion Ratio Lower Upper

95 100

174 78.3 0.0 156.2

176 76.7 0.0 151.4

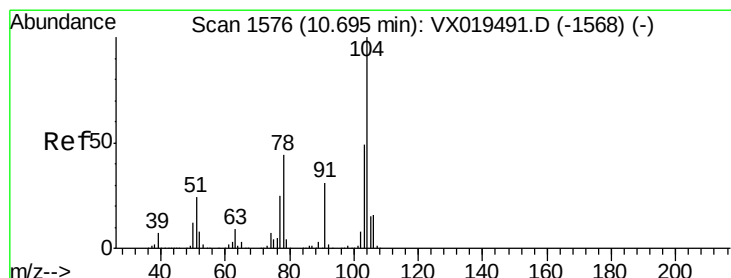
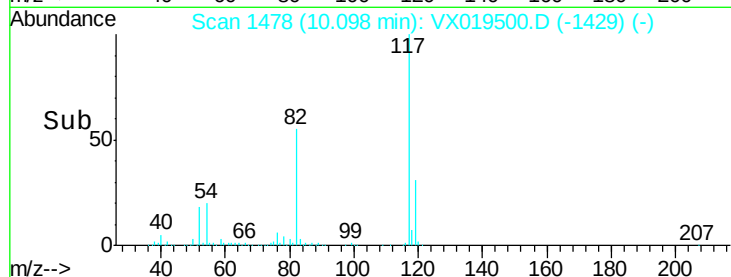
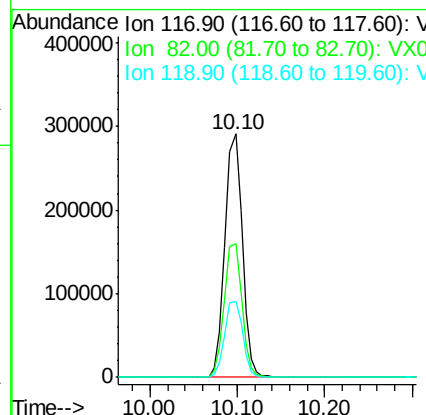
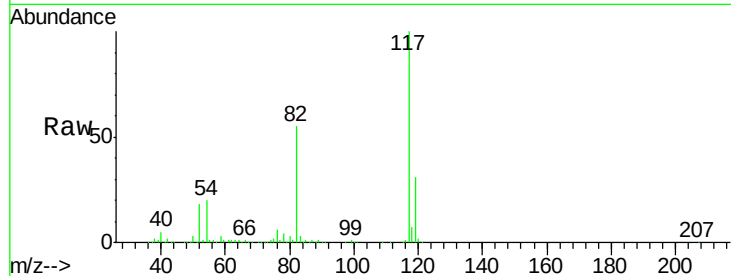




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

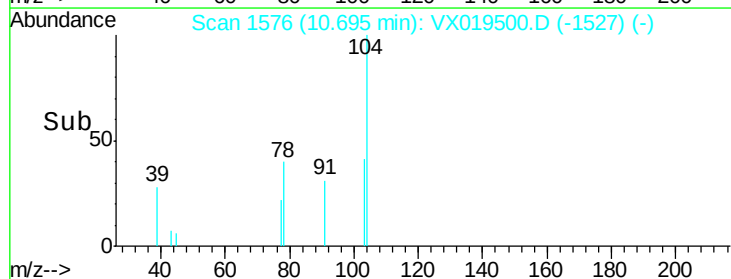
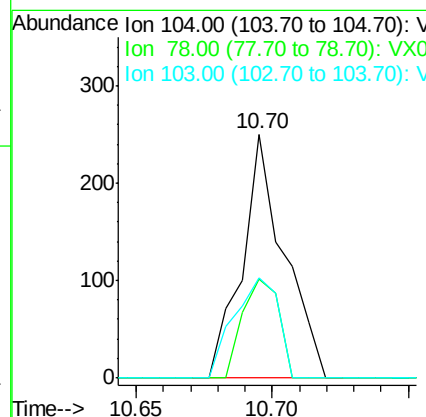
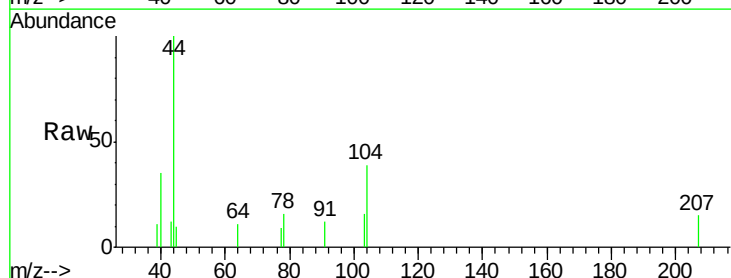
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

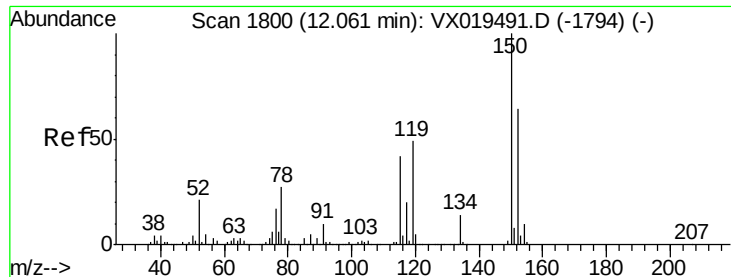
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.0	64.4
119	30.9	25.6	38.4



#70
Styrene
Concen: 1.673 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	34.8	39.5	59.3#
103	43.1	43.6	65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019500.D

Acq: 20 Nov 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

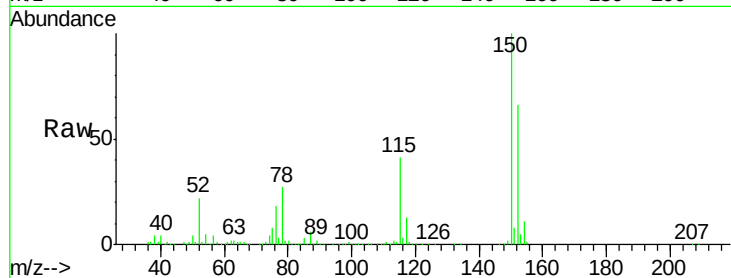
Tot Ion:152 Resp: 174047

Ion Ratio Lower Upper

152 100

115 59.5 41.8 125.4

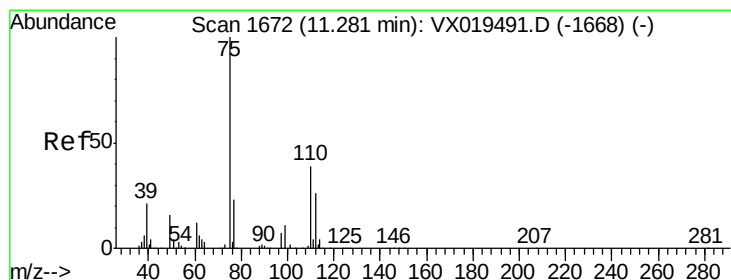
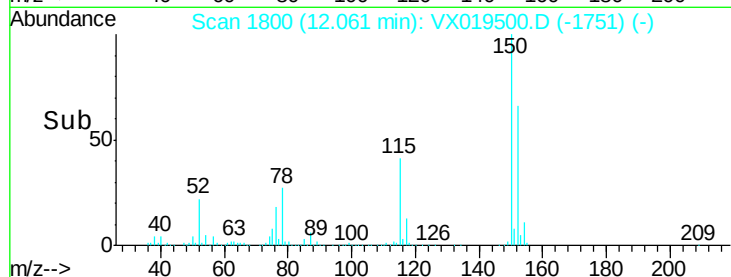
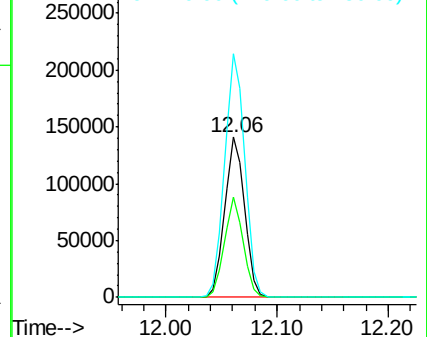
150 154.3 0.0 348.2



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: 23.886 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019500.D

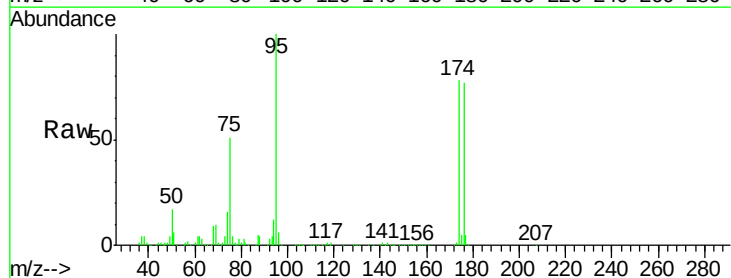
Acq: 20 Nov 2020 17:02

Tgt Ion: 75 Resp: 90726

Ion Ratio Lower Upper

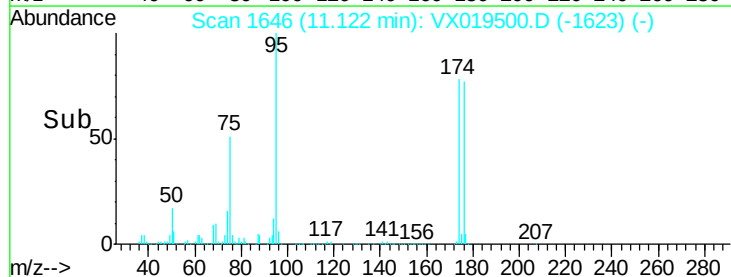
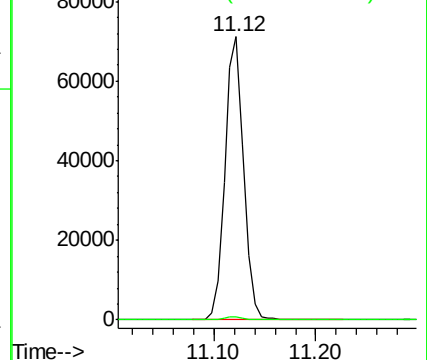
75 100

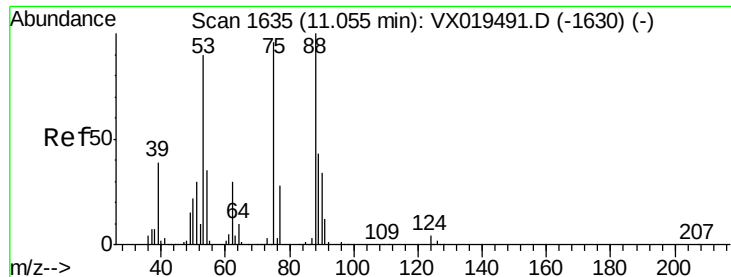
77 1.3 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

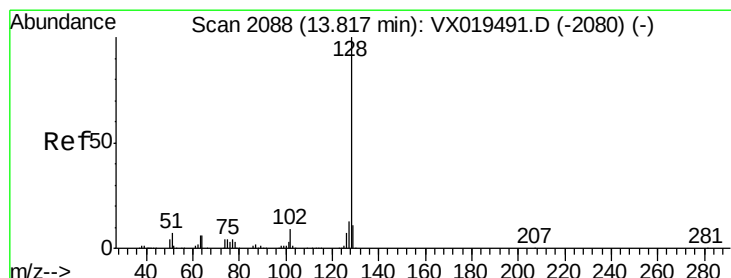
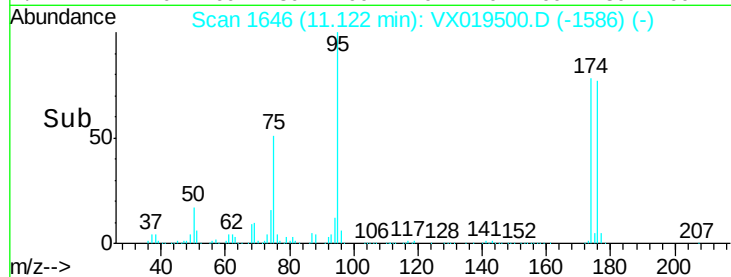
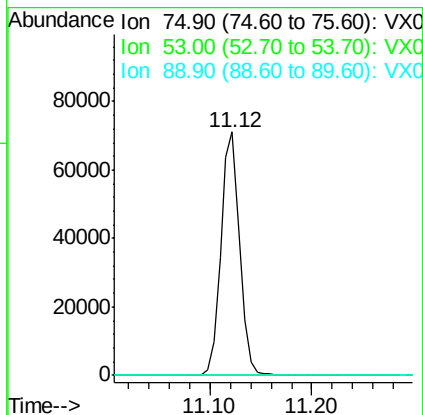
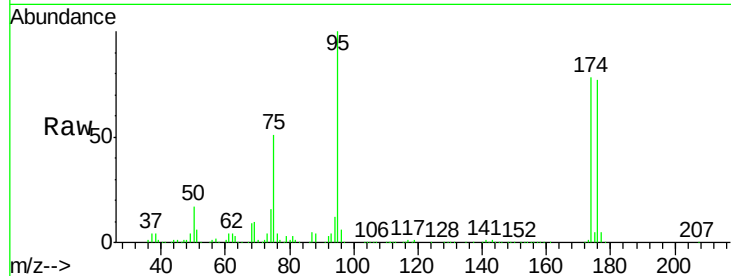




#81
trans-1,4-Dichloro-2-butene
Concen: 63.285 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

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

Tot Ion: 75 Resp: 90726
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.222 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019500.D
Acq: 20 Nov 2020 17:02

Tgt Ion: 128 Resp: 584
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

