

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017626.D
 Acq On : 27 Jul 2020 18:55
 Operator : JC/SP
 Sample : L3440-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jul 28 01:35:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	493912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	805545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	826183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	456639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	330098	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
35) Dibromofluoromethane	5.47	113	279612	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	8.70	98	977891	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.12	95	474830	61.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.10%	

Target Compounds

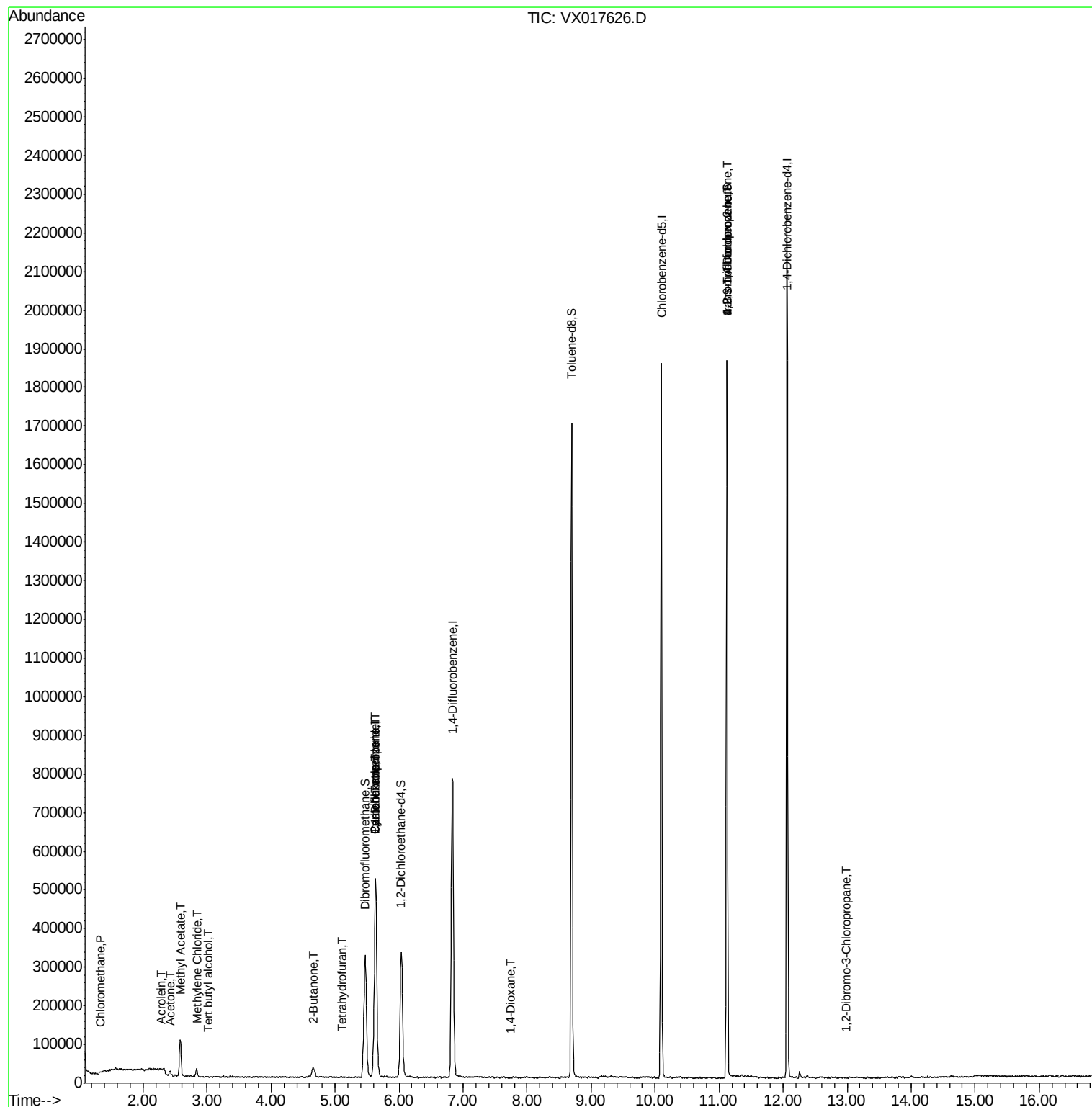
						Qvalue
2) Dichlorodifluoromethane	1.18	85	535	Below Cal	#	49
3) Chloromethane	1.32	50	2105	0.709	ug/l	93
5) Bromomethane	1.63	94	697	Below Cal	#	32
6) Chloroethane	1.73	64	632	Below Cal	#	44
8) Diethyl Ether	2.42	74	162	Below Cal		67
11) Tert butyl alcohol	3.01	59	463	0.346	ug/l #	1
13) Acrolein	2.28	56	719	4.841	ug/l #	14
16) Acetone	2.42	43	13355	4.783	ug/l	93
18) Methyl Acetate	2.58	43	25418	3.865	ug/l #	54
20) Methylene Chloride	2.84	84	11345	0.896	ug/l	92
25) 2-Butanone	4.65	43	1700	0.429	ug/l #	52
29) Tetrahydrofuran	5.10	42	1137	0.463	ug/l #	80
31) Cyclohexane	5.64	56	9033	1.154	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	36067	4.668	ug/l #	51
38) Carbon Tetrachloride	5.63	117	50398	5.372	ug/l #	18
49) 1,4-Dioxane	7.74	88	34	0.257	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	237707	25.306	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	237707	63.766	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	134	2.623	ug/l	81

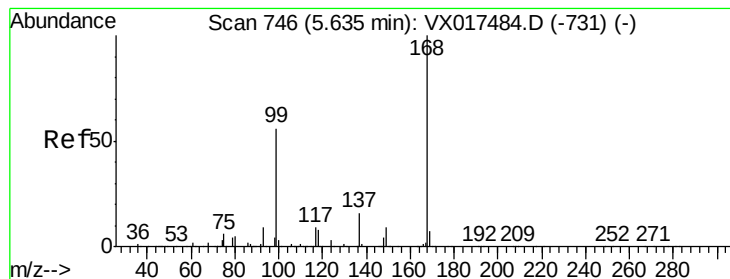
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

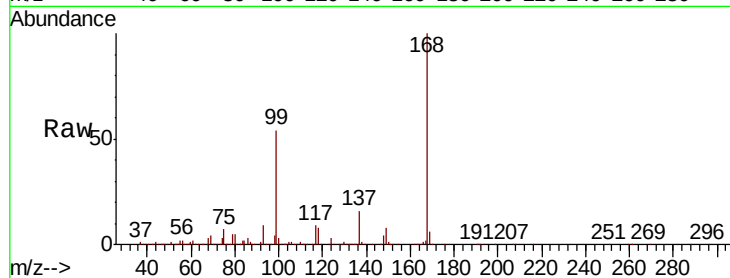
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 493912

Ion Ratio Lower Upper

168 100

99 53.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

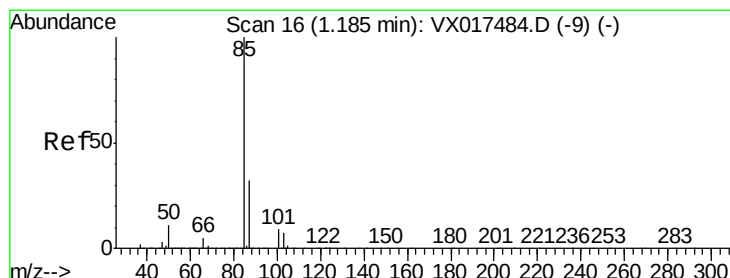
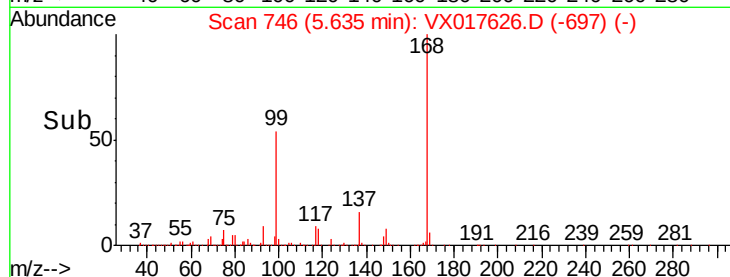
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017626.D

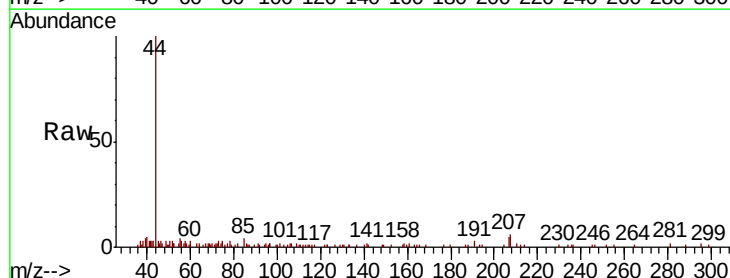
Acq: 27 Jul 2020 18:55

Tgt Ion: 85 Resp: 535

Ion Ratio Lower Upper

85 100

87 60.5 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

300

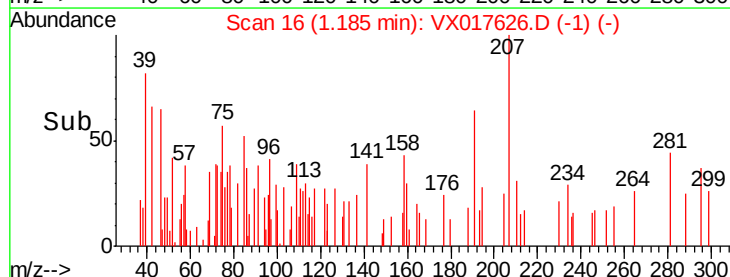
200

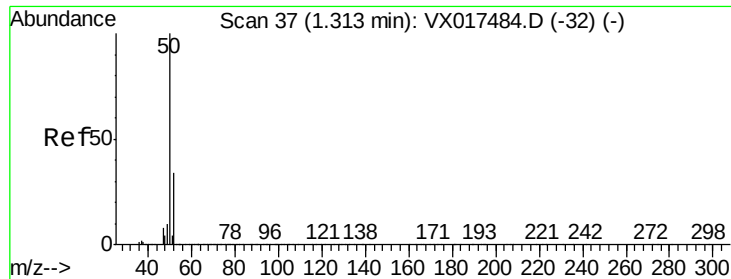
100

0

1.16 1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 0.709 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

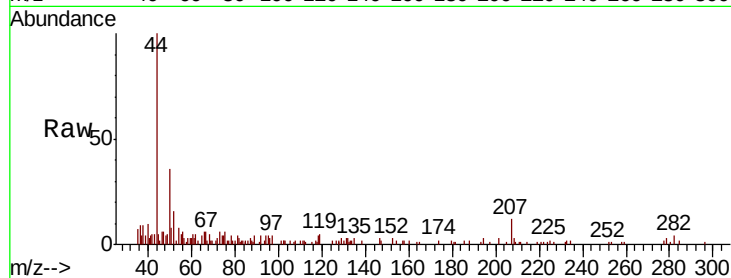
STORAGE-BLANK-WATER-REF-5

Tot Ion: 50 Resp: 2105

Ion Ratio Lower Upper

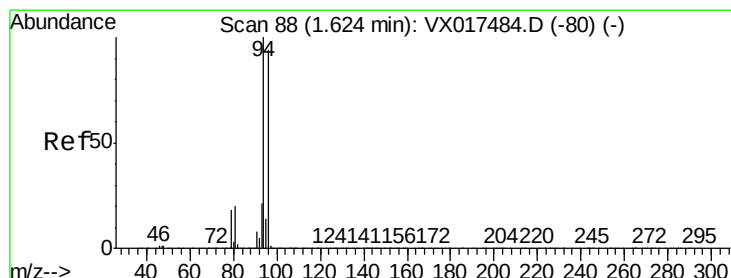
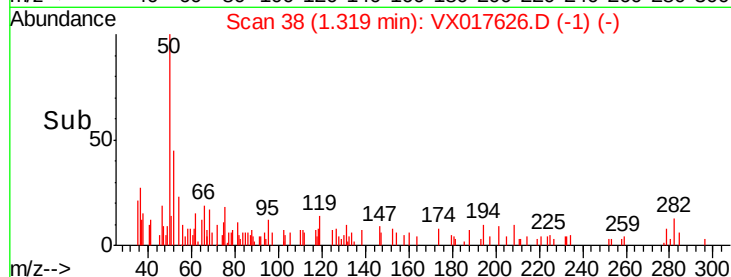
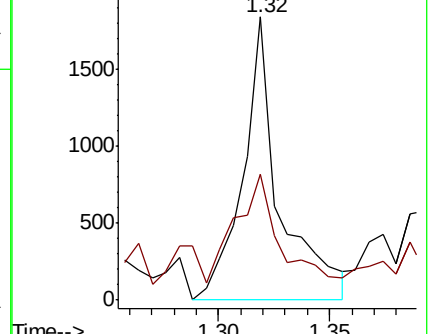
50 100

52 36.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017626.D

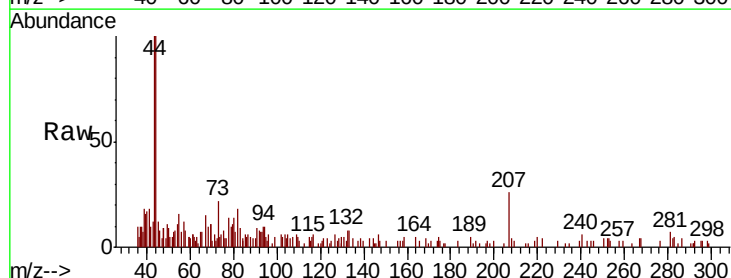
Acq: 27 Jul 2020 18:55

Tgt Ion: 94 Resp: 697

Ion Ratio Lower Upper

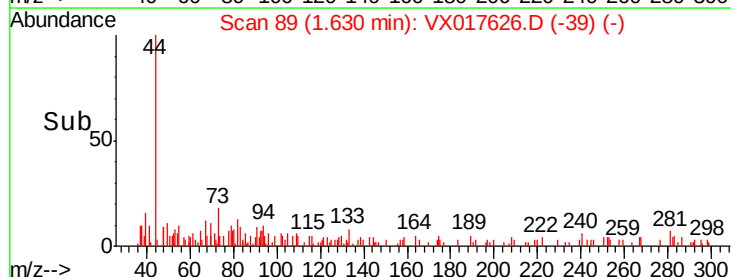
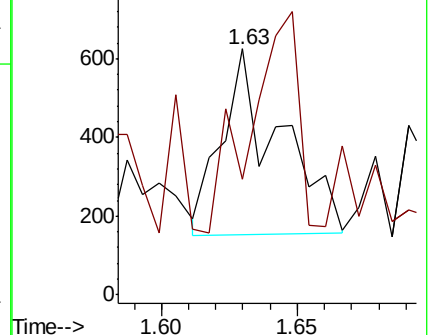
94 100

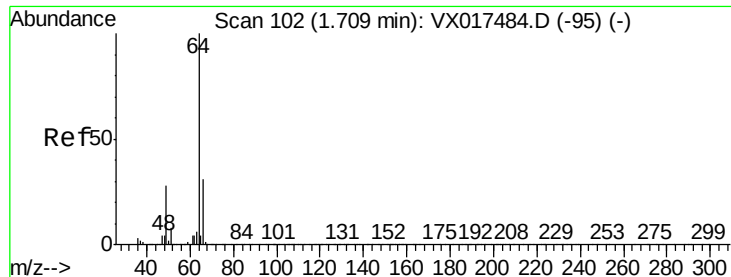
96 27.8 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 106

Delta R.T. 0.02 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

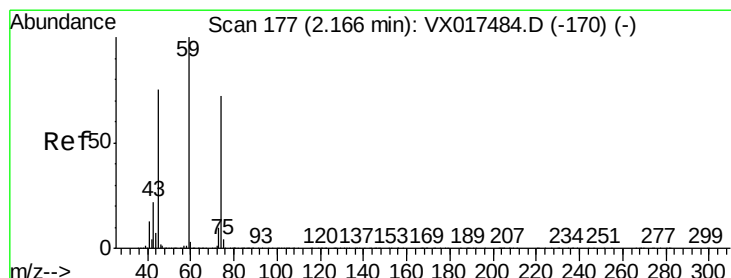
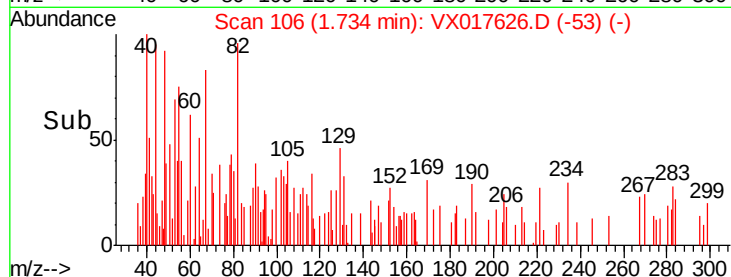
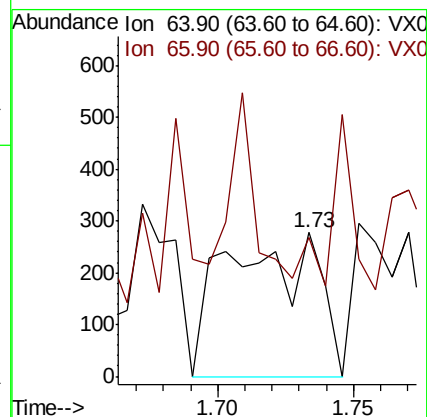
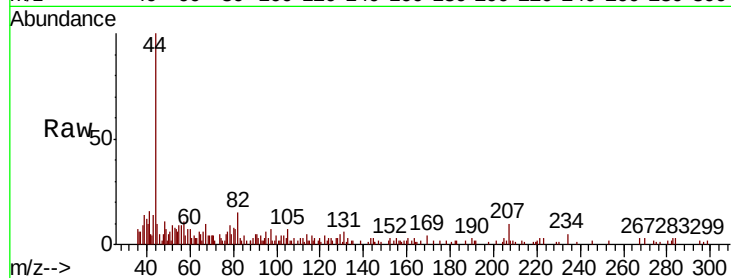
STORAGE-BLANK-WATER-REF-5

Tot Ion: 64 Resp: 632

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.26 min

Lab File: VX017626.D

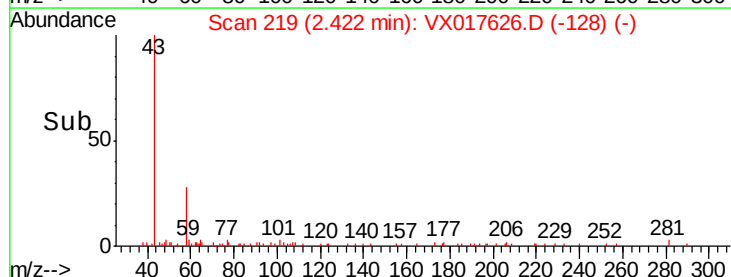
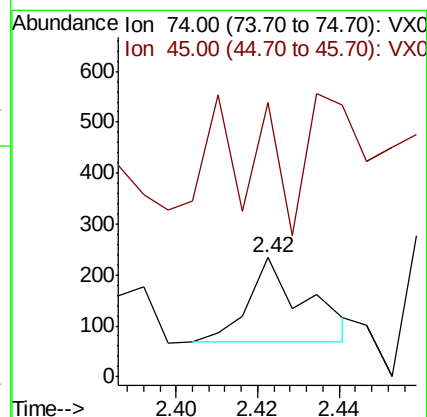
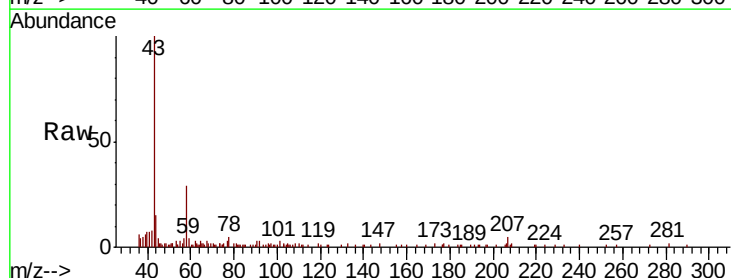
Acq: 27 Jul 2020 18:55

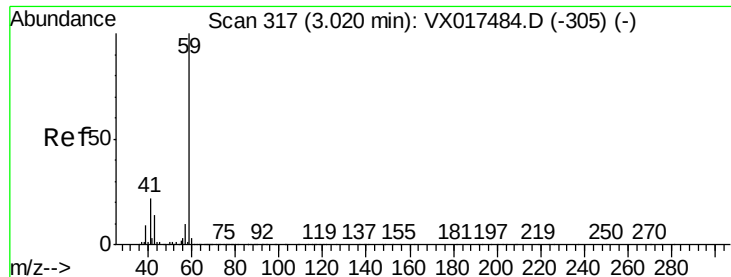
Tgt Ion: 74 Resp: 162

Ion Ratio Lower Upper

74 100

45 67.9 50.8 152.5

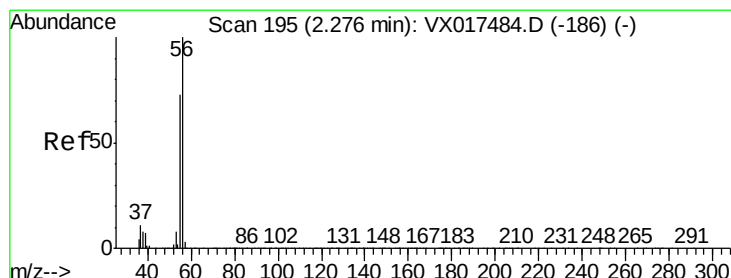
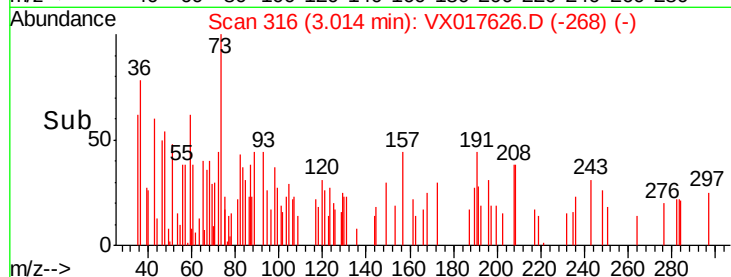
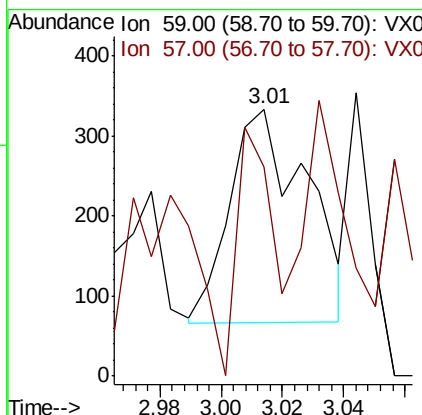
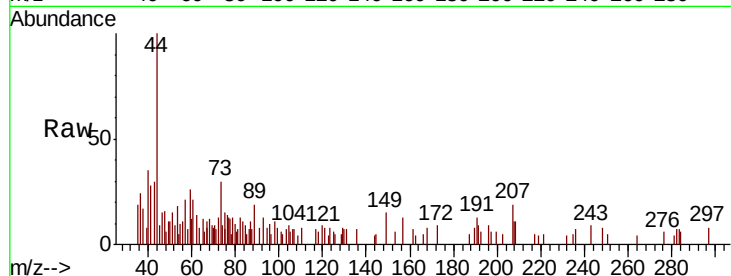




#11
Tert butyl alcohol
Concen: 0.346 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

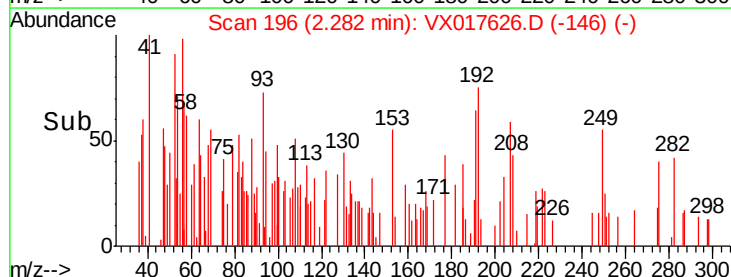
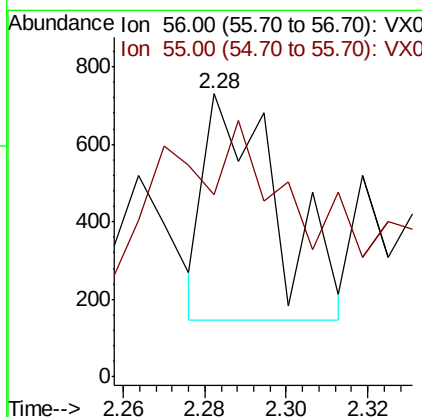
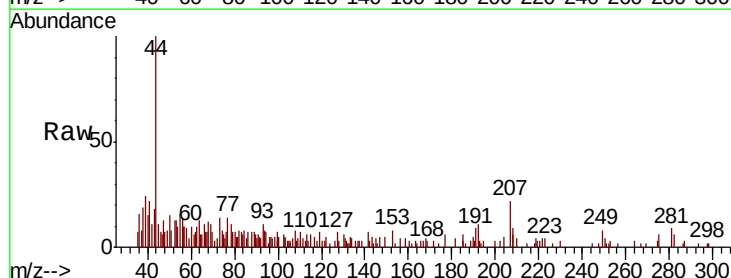
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

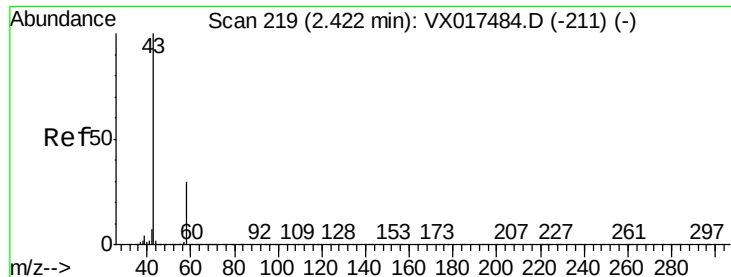
Tot Ion: 59 Resp: 463
Ion Ratio Lower Upper
59 100
57 53.1 8.6 12.8#



#13
Acrolein
Concen: 4.841 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

Tgt Ion: 56 Resp: 719
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#

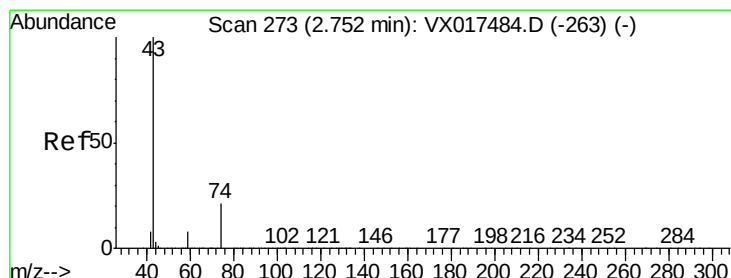
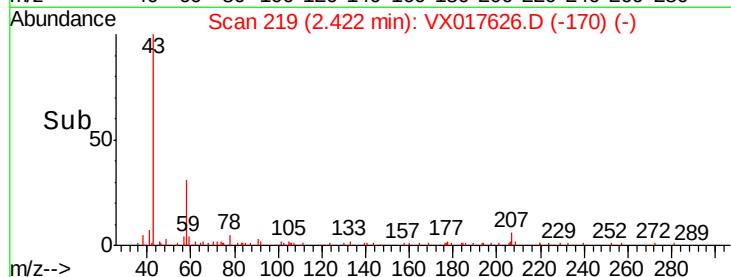
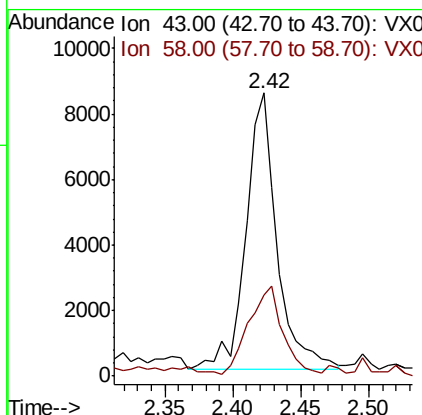
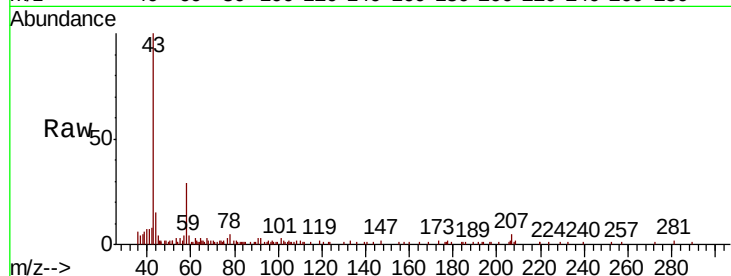




#16
Acetone
Concen: 4.783 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

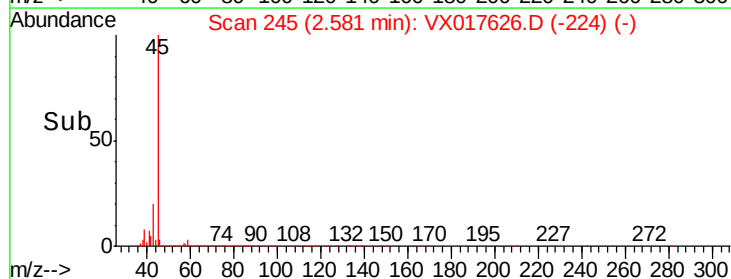
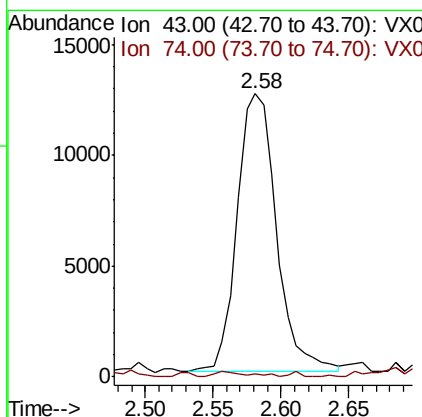
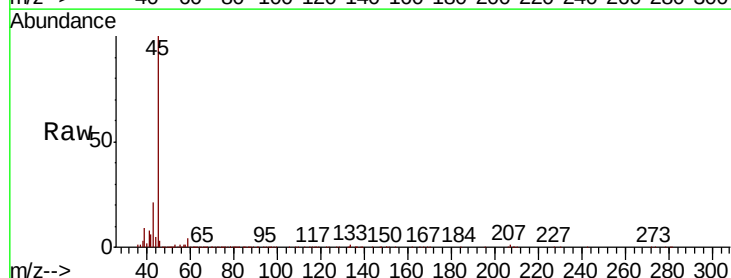
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

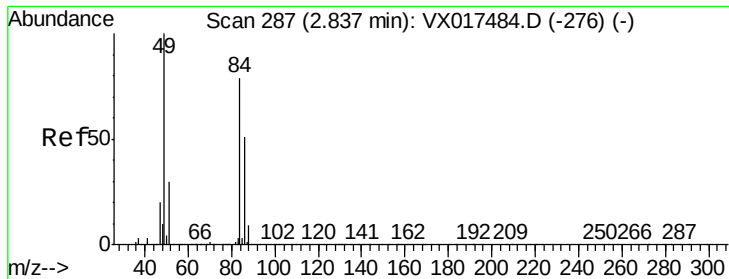
Tot Ion: 43 Resp: 13355
Ion Ratio Lower Upper
43 100
58 26.5 24.2 36.4



#18
Methyl Acetate
Concen: 3.865 ug/l
RT: 2.58 min Scan# 245
Delta R.T. -0.17 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

Tgt Ion: 43 Resp: 25418
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

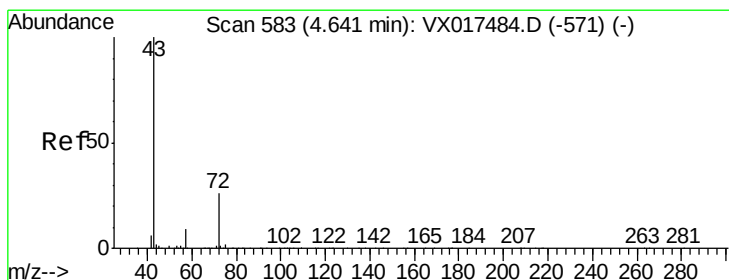
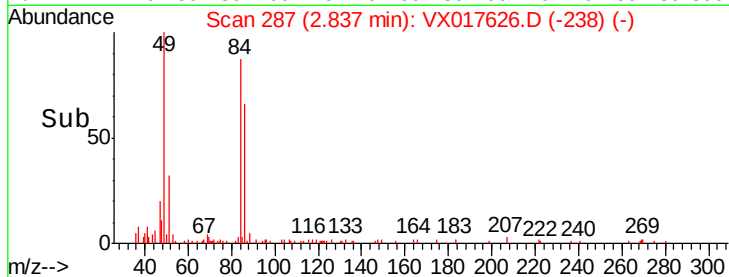
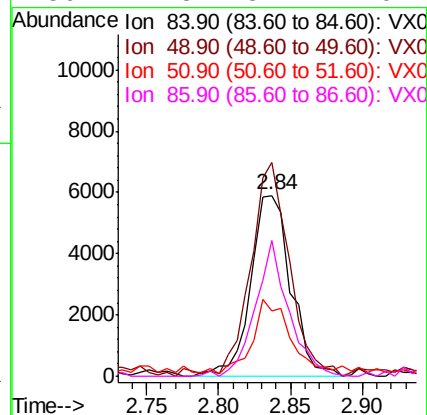
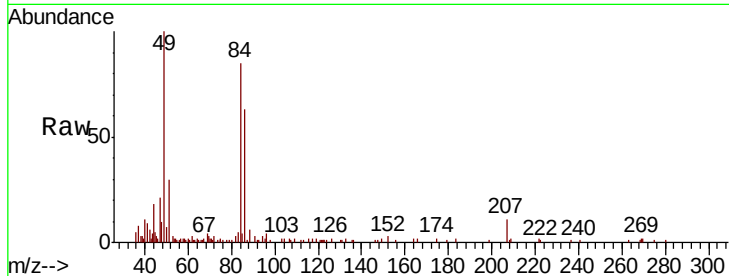




#20
Methylene Chloride
Concen: 0.896 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

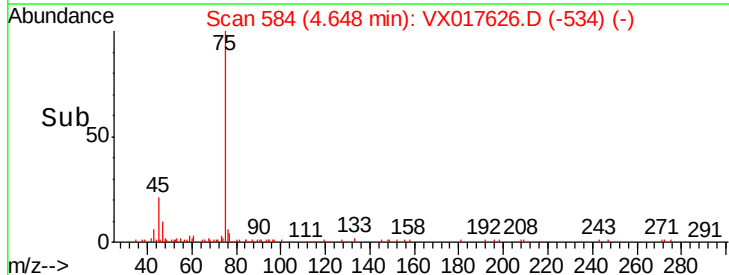
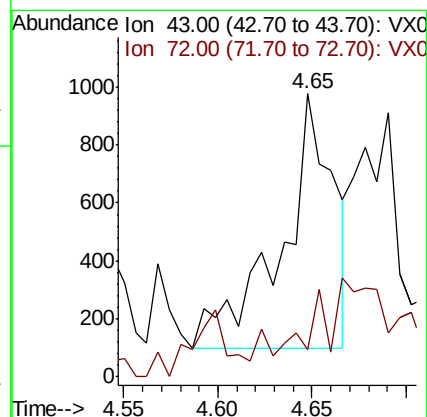
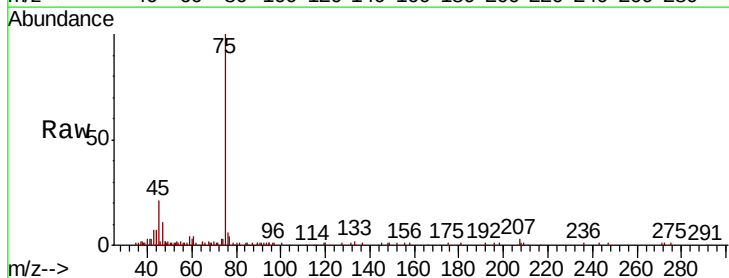
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

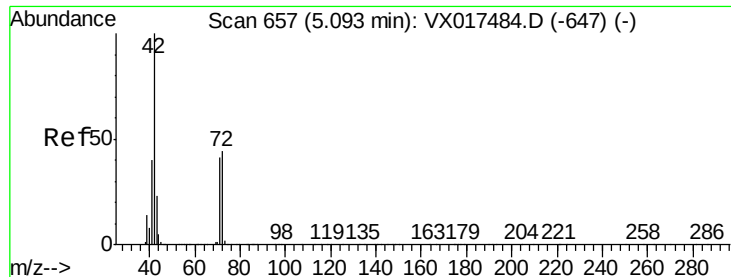
Tot Ion:	84	Resp:	11345
Ion	Ratio	Lower	Upper
84	100		
49	118.2	100.3	150.5
51	33.8	30.5	45.7
86	72.8	51.1	76.7



#25
2-Butanone
Concen: 0.429 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

Tgt Ion:	43	Resp:	1700
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#





#29

Tetrahydrofuran

Concen: 0.463 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

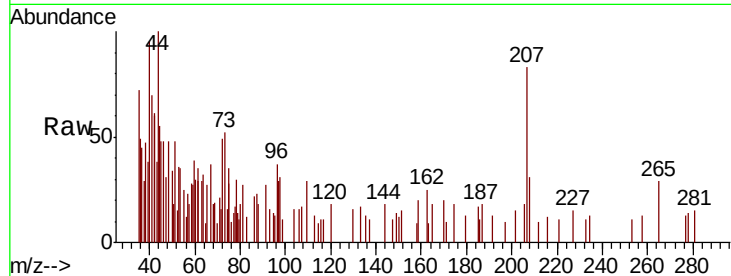
Tot Ion: 42 Resp: 1137

Ion Ratio Lower Upper

42 100

72 24.2 35.5 53.3#

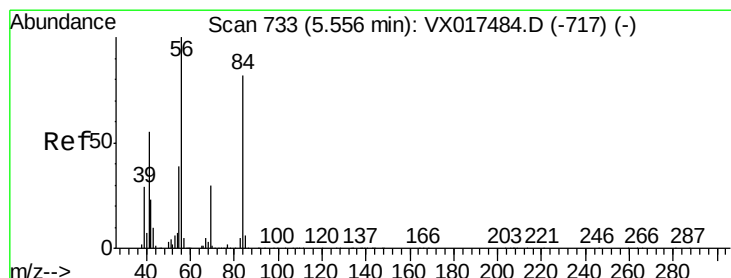
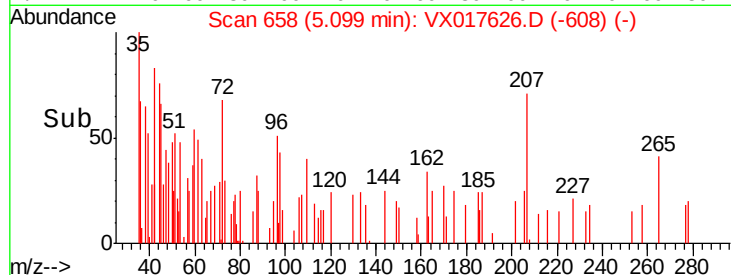
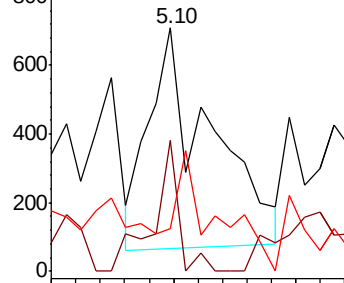
71 36.3 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

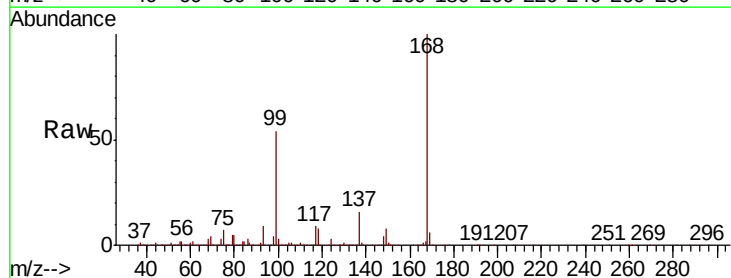
Tgt Ion: 56 Resp: 9033

Ion Ratio Lower Upper

56 100

69 175.8 24.2 36.4#

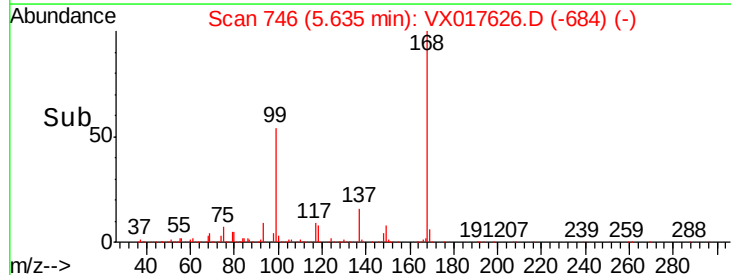
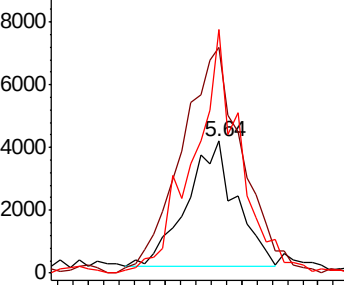
84 192.5 69.0 103.6#

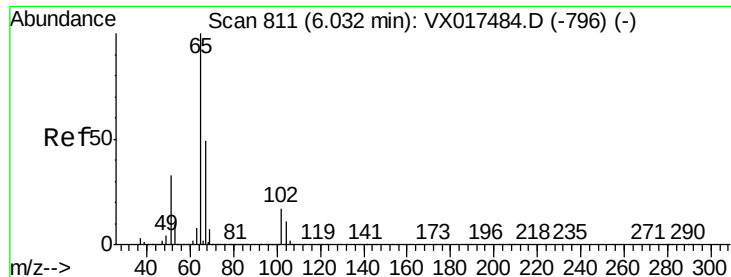


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

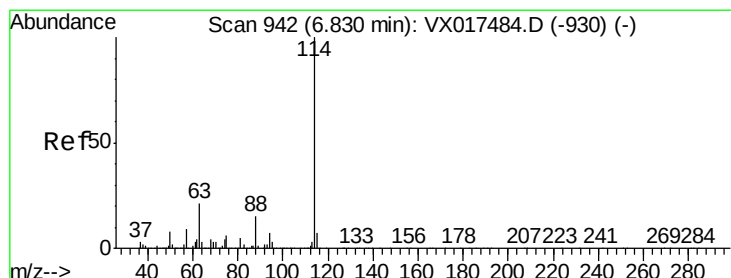
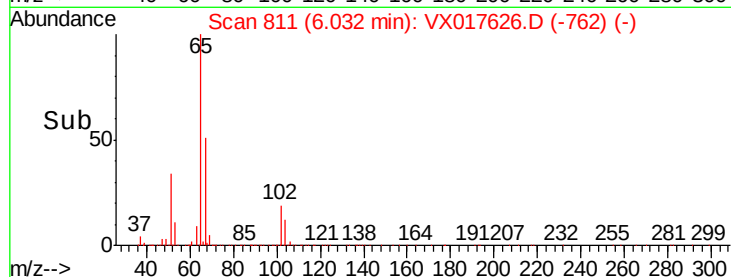
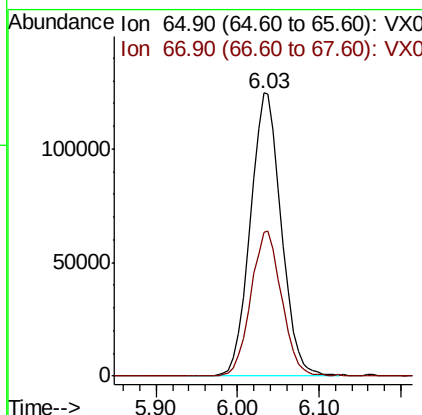
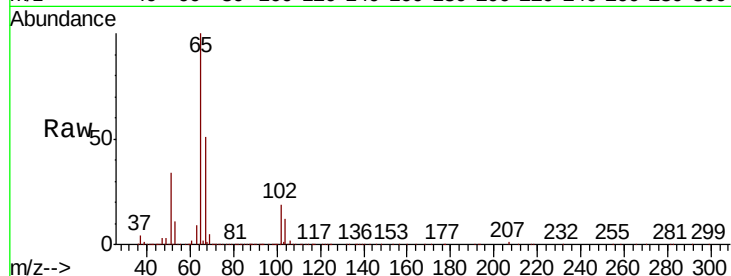




#33
 1,2-Dichloroethane-d4
 Concen: 52.029 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017626.D
 Acq: 27 Jul 2020 18:55

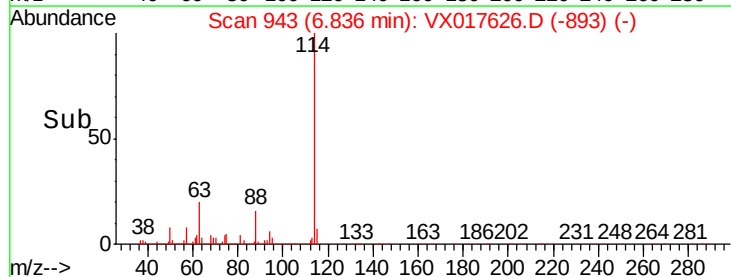
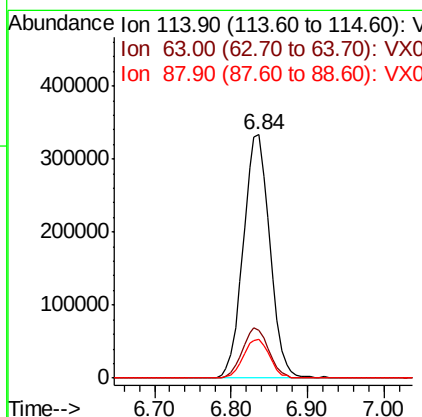
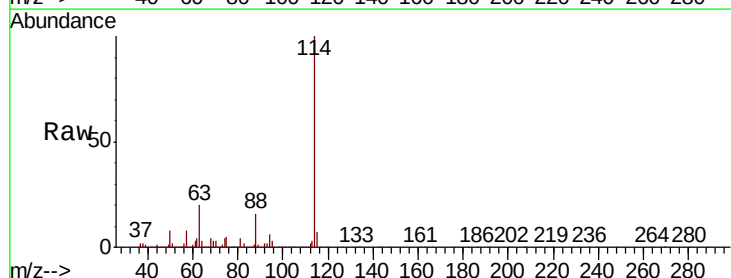
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

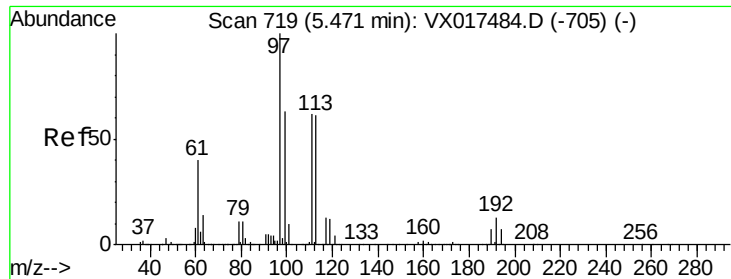
Tot Ion: 65 Resp: 330098
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017626.D
 Acq: 27 Jul 2020 18:55

Tgt Ion: 114 Resp: 805545
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.900 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

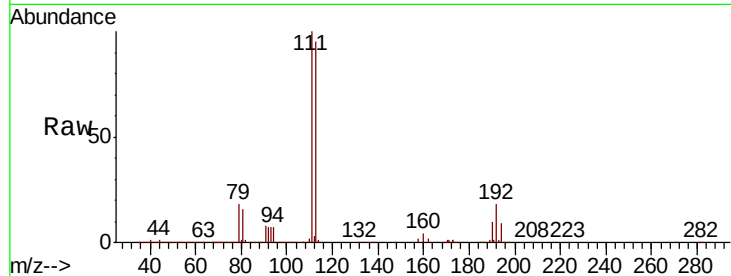
Tot Ion:113 Resp: 279612

Ion Ratio Lower Upper

113 100

111 101.3 80.7 121.1

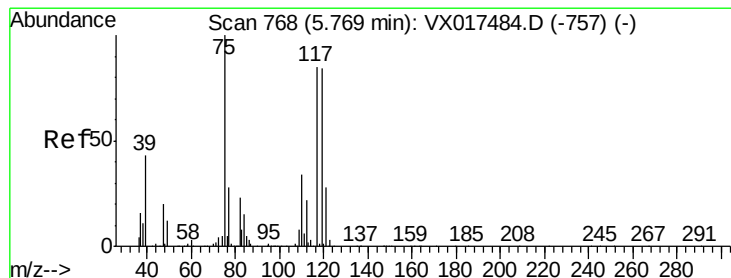
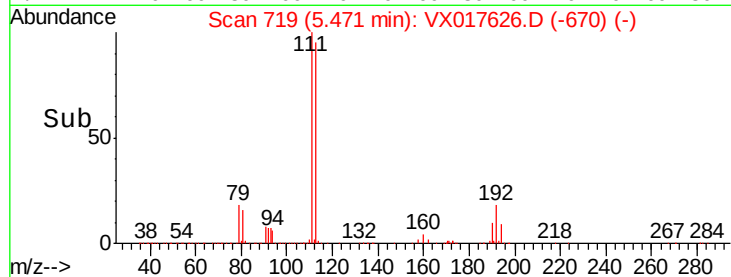
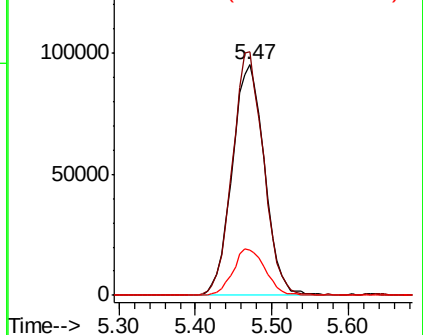
192 20.0 16.9 25.3



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: 4.668 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

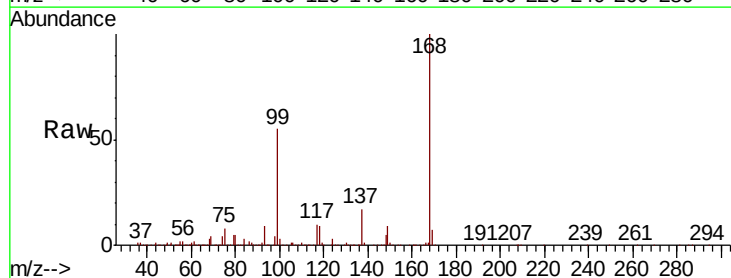
Tgt Ion: 75 Resp: 36067

Ion Ratio Lower Upper

75 100

110 11.3 18.1 54.3#

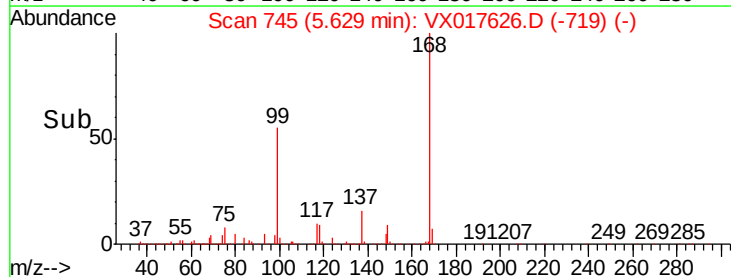
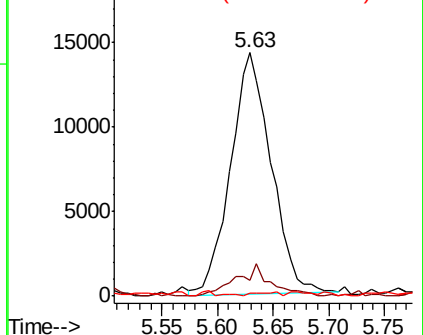
77 0.0 24.6 37.0#

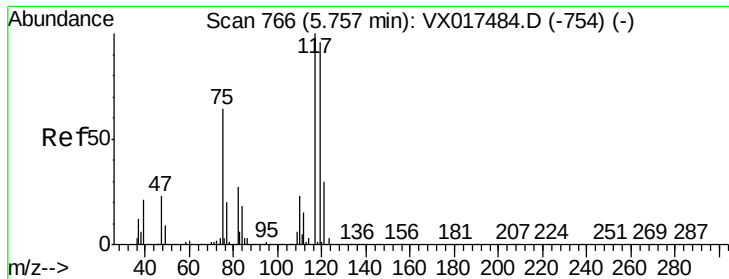


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.372 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

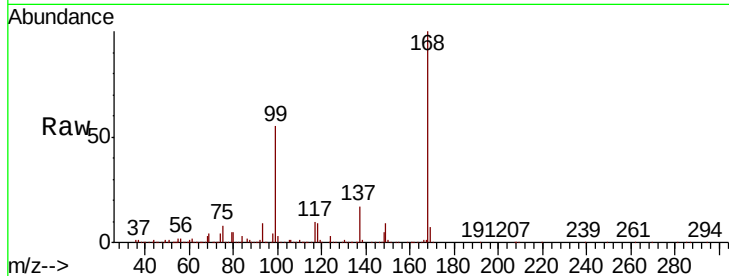
Tot Ion:117 Resp: 50398

Ion Ratio Lower Upper

117 100

119 6.3 75.4 113.0#

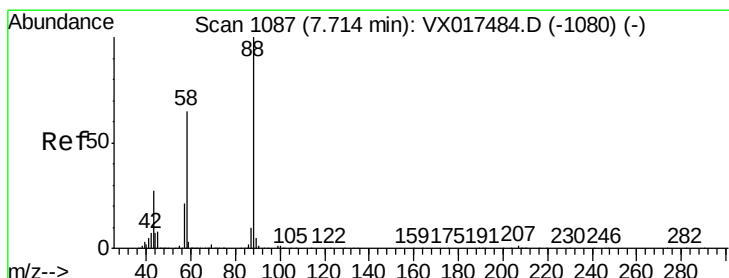
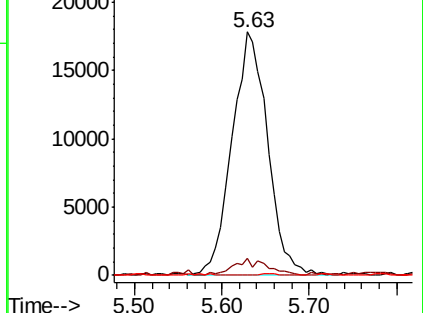
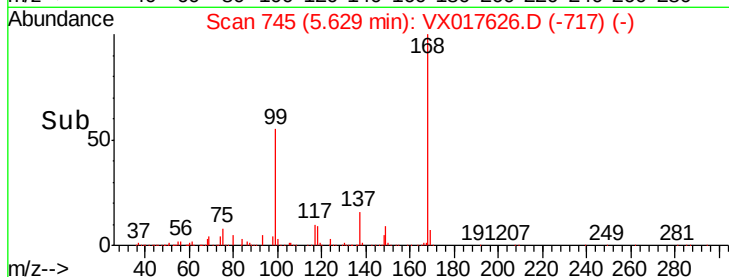
121 0.0 24.3 36.5#



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: 0.257 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

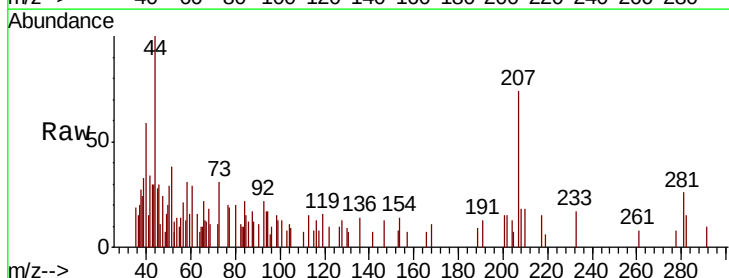
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 1179.4 27.8 41.6#

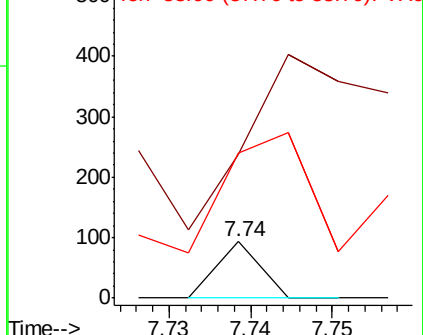
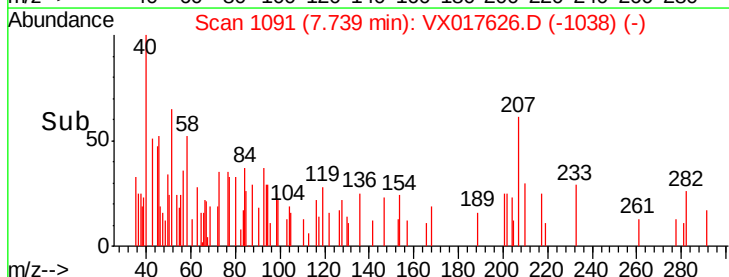
58 829.4 58.3 87.5#

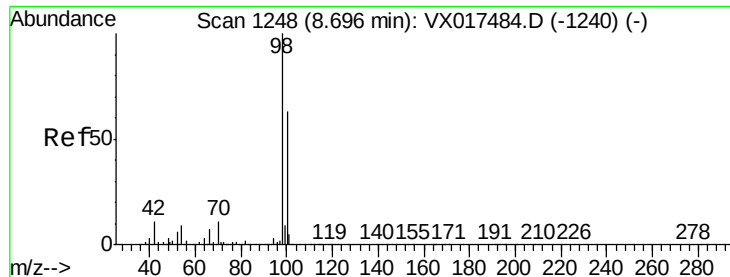


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.315 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

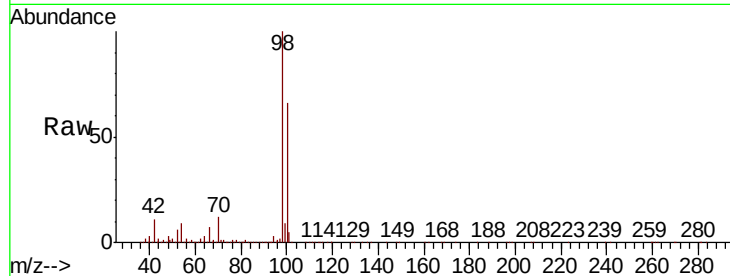
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 977891

Ion Ratio Lower Upper

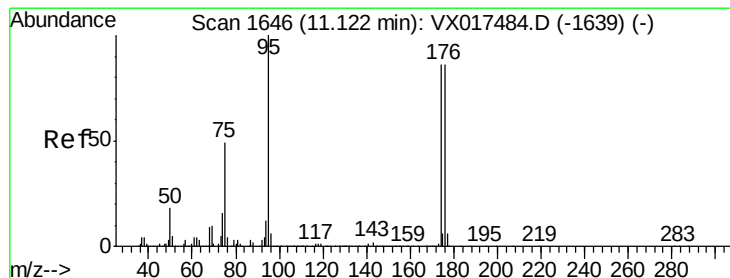
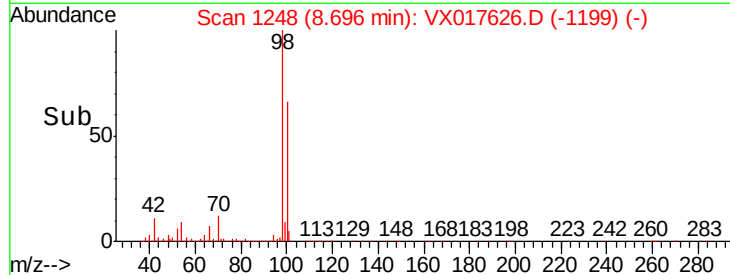
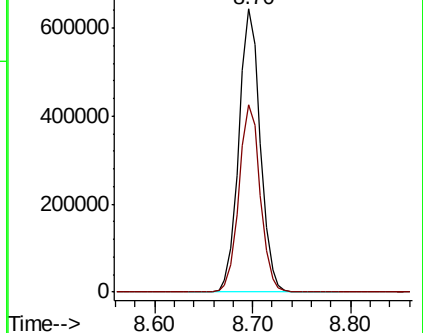
98 100

100 65.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 61.047 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

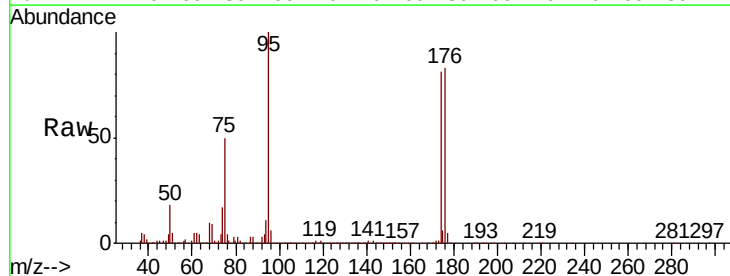
Tgt Ion: 95 Resp: 474830

Ion Ratio Lower Upper

95 100

174 83.6 0.0 169.0

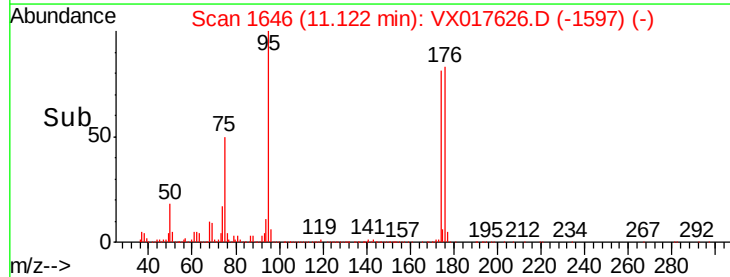
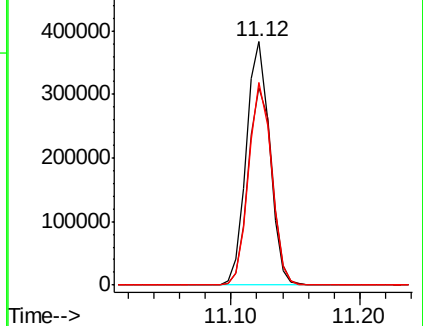
176 82.2 0.0 161.0

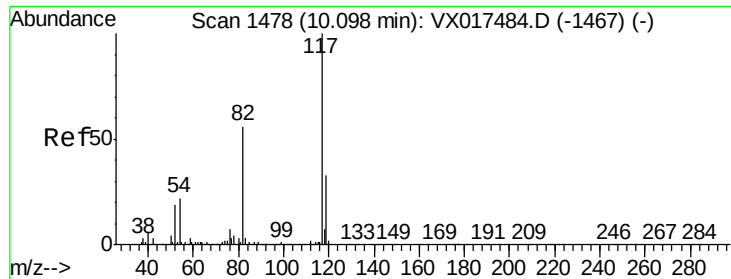


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

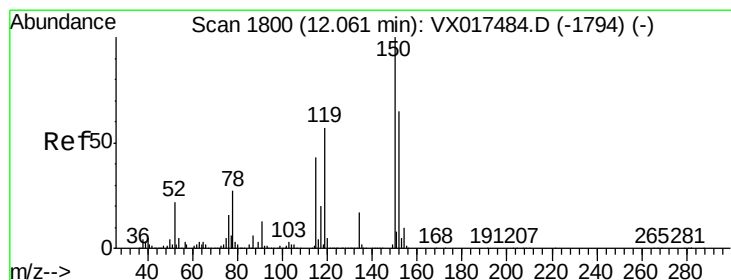
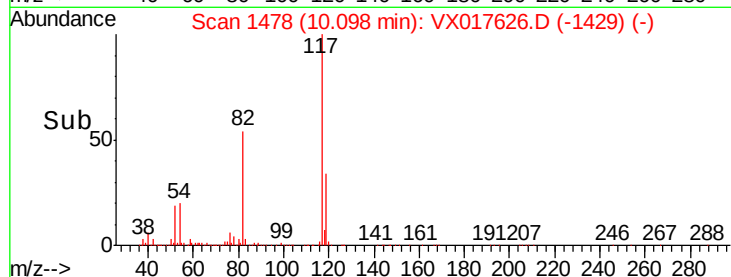
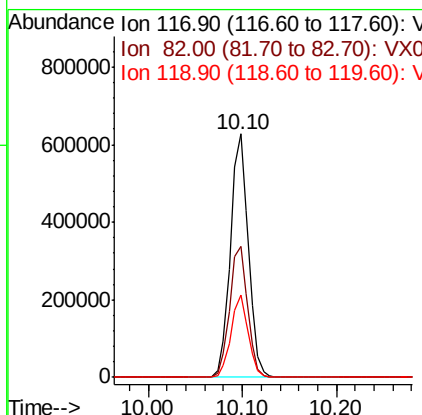
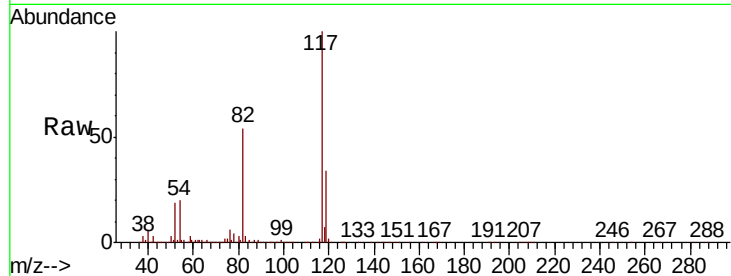




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

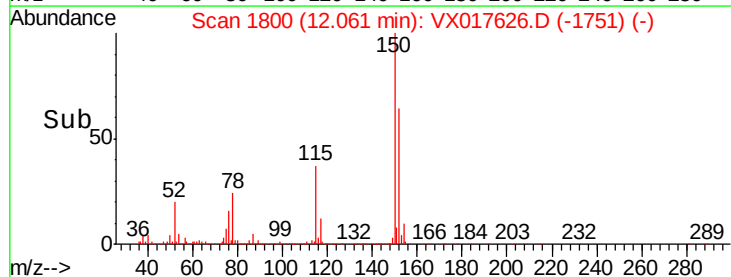
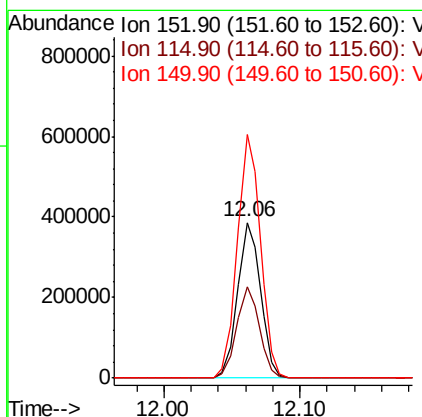
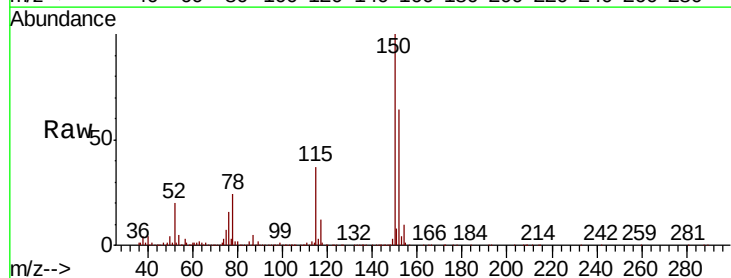
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

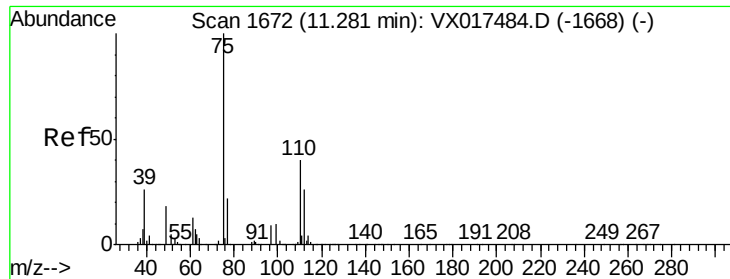
Tot Ion:117 Resp: 826183
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 33.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017626.D
Acq: 27 Jul 2020 18:55

Tgt Ion:152 Resp: 456639
Ion Ratio Lower Upper
152 100
115 58.1 65.5 196.6#
150 157.8 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 25.306 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

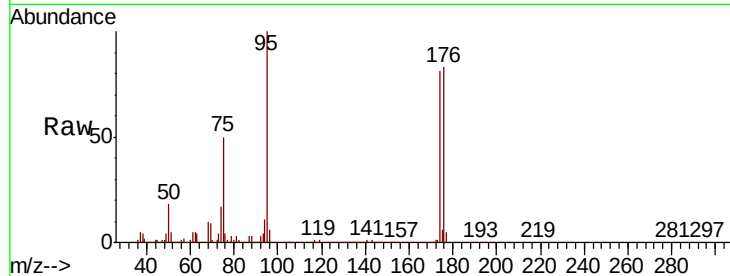
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 237707

Ion Ratio Lower Upper

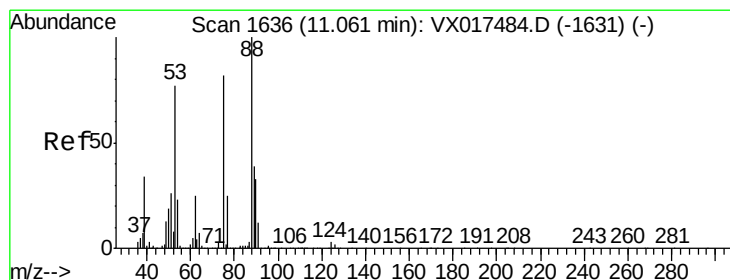
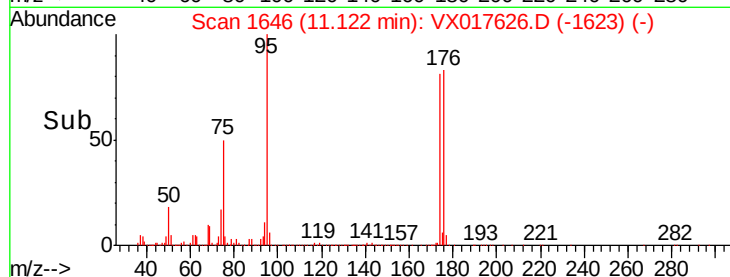
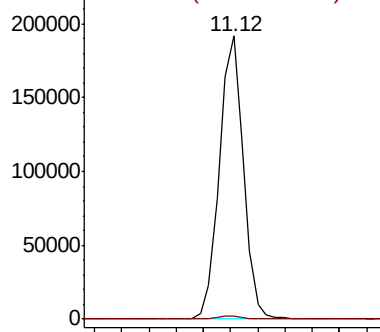
75 100

77 1.3 21.8 65.3#



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: 63.766 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

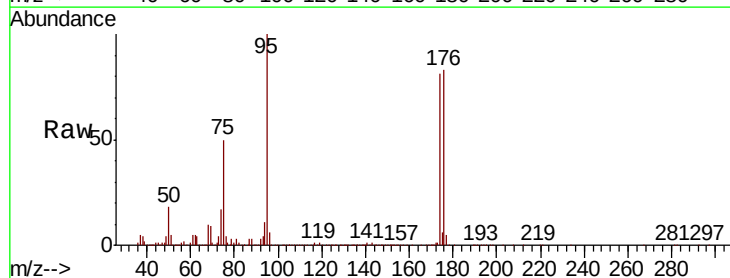
Tgt Ion: 75 Resp: 237707

Ion Ratio Lower Upper

75 100

53 0.6 75.9 113.9#

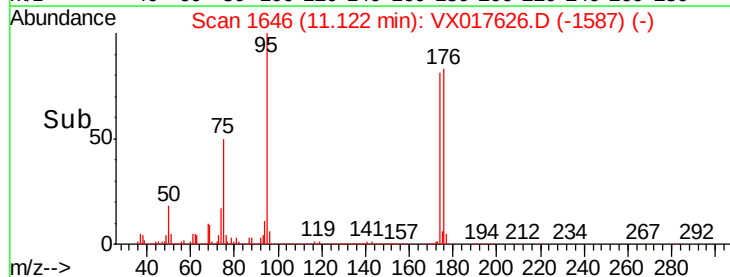
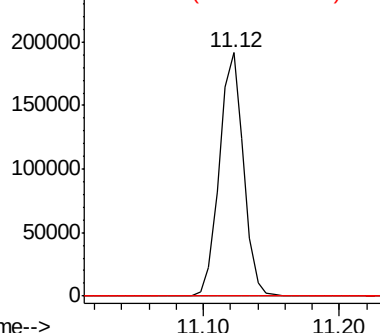
89 0.1 37.8 56.6#

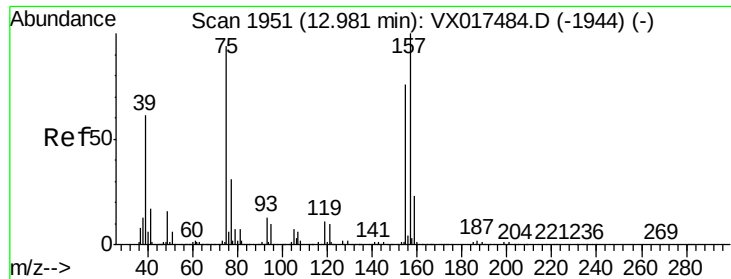


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.623 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017626.D

Acq: 27 Jul 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 134

Ion Ratio Lower Upper

75 100

155 45.5 42.3 126.8

157 107.5 54.3 162.9

