

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073120\
 Data File : VX017696.D
 Acq On : 31 Jul 2020 13:13
 Operator : JC/SP
 Sample : L3530-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-6

Quant Time: Aug 01 02:44:09 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	5.63	168	487406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	817810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	868407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	469729	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	329754	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	5.47	113	277258	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.70	98	1016733	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.12	95	438752	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	

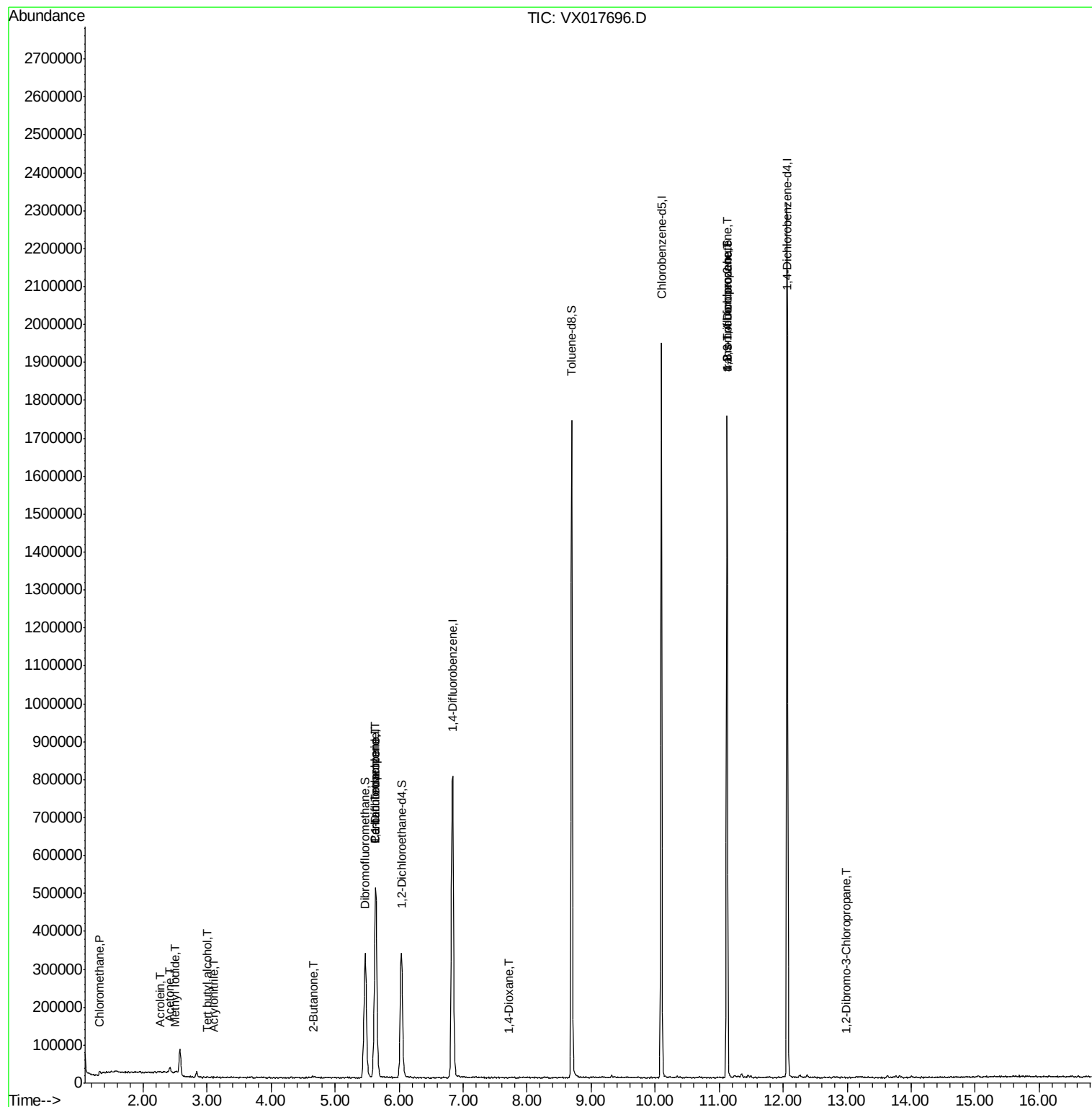
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	449	Below Cal		88
3) Chloromethane	1.32	50	4970	1.186	ug/l	96
5) Bromomethane	1.61	94	325	Below Cal	#	3
6) Chloroethane	1.71	64	541	Below Cal	#	44
8) Diethyl Ether	2.23	74	612	Below Cal		97
10) Methyl Iodide	2.50	142	1859	0.274	ug/l #	77
11) Tert butyl alcohol	3.00	59	609	0.462	ug/l #	72
13) Acrolein	2.26	56	585	4.720	ug/l #	69
15) Acrylonitrile	3.10	53	1089	0.382	ug/l #	72
16) Acetone	2.42	43	14537	5.275	ug/l #	86
25) 2-Butanone	4.66	43	861	0.220	ug/l #	65
36) 1,1-Dichloropropene	5.63	75	35304	4.501	ug/l #	53
38) Carbon Tetrachloride	5.63	117	50997	5.354	ug/l #	16
49) 1,4-Dioxane	7.71	88	46	0.342	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	223306	23.111	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	223306	58.233	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	235	2.655	ug/l #	19

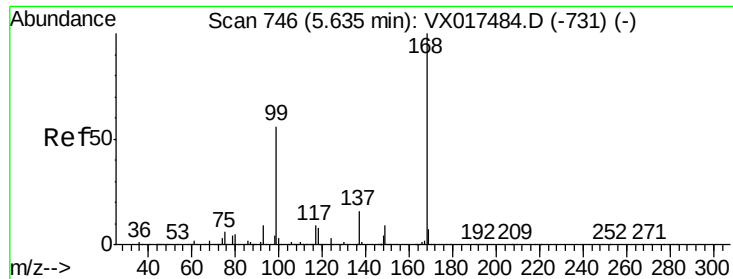
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

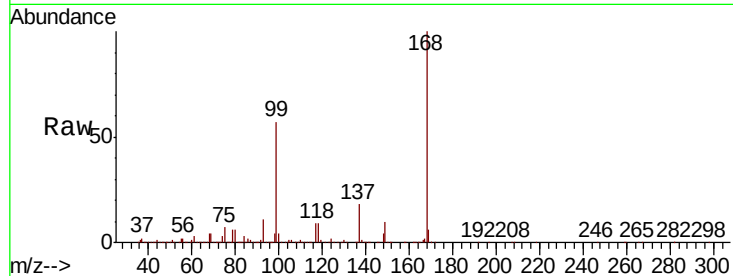
STORAGE-BLANK-WATER-REF-6

Tot Ion:168 Resp: 487406

Ion Ratio Lower Upper

168 100

99 57.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

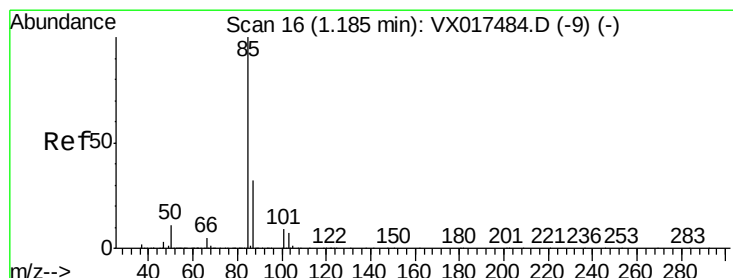
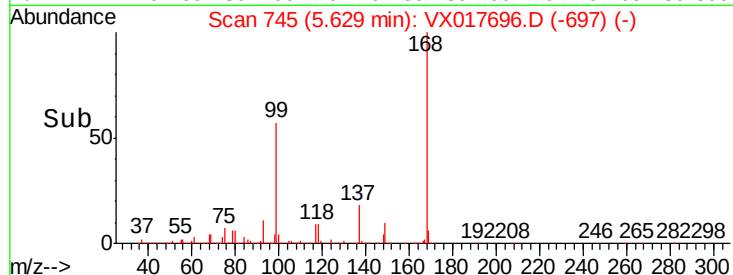
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017696.D

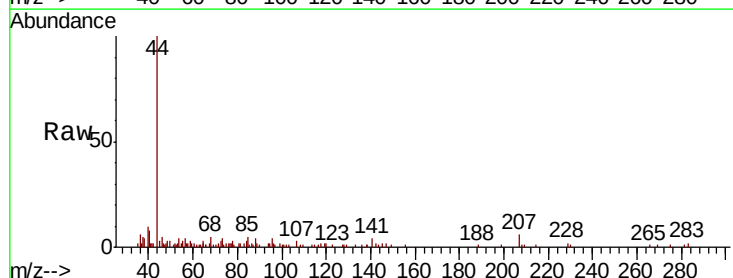
Acq: 31 Jul 2020 13:13

Tgt Ion: 85 Resp: 449

Ion Ratio Lower Upper

85 100

87 25.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

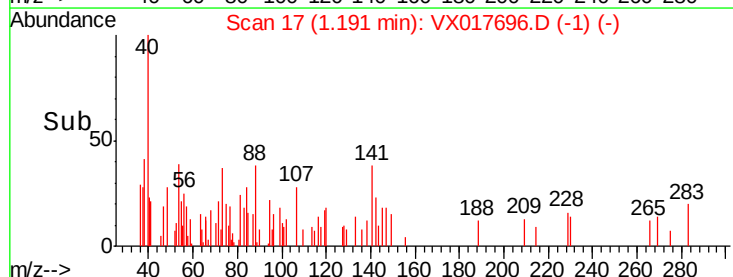
200

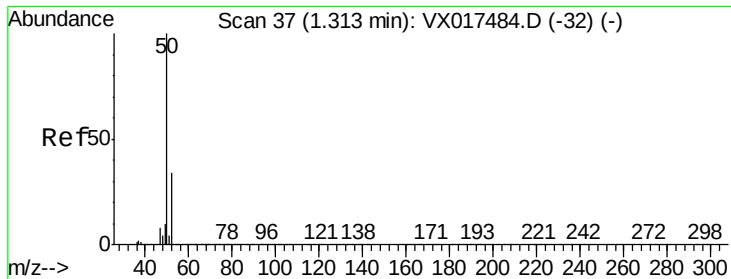
100

0

1.16 1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 1.186 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

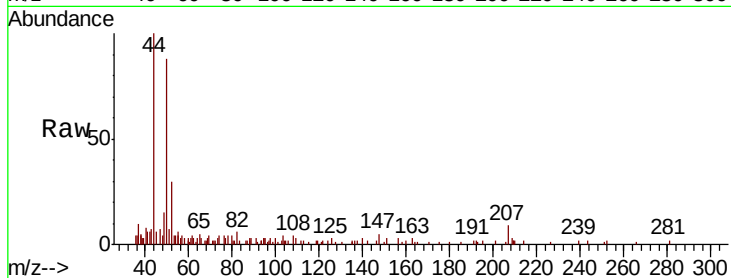
STORAGE-BLANK-WATER-REF-6

Tot Ion: 50 Resp: 4970

Ion Ratio Lower Upper

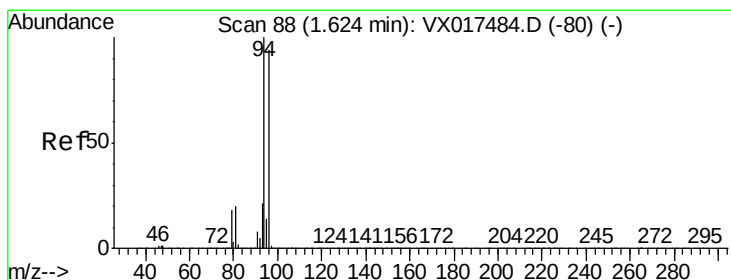
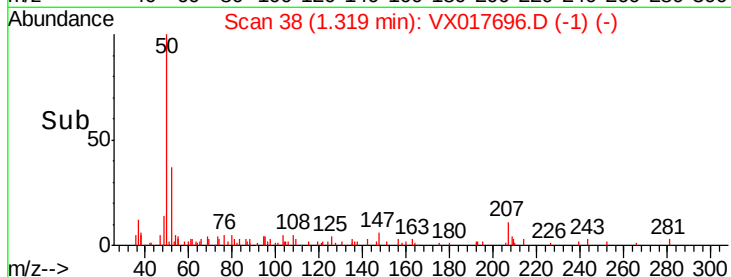
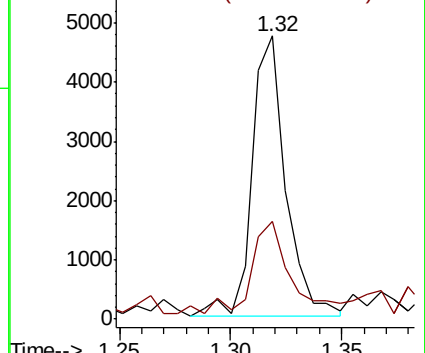
50 100

52 30.2 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: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017696.D

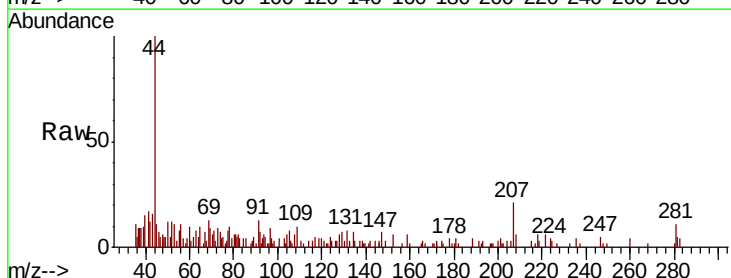
Acq: 31 Jul 2020 13:13

Tgt Ion: 94 Resp: 325

Ion Ratio Lower Upper

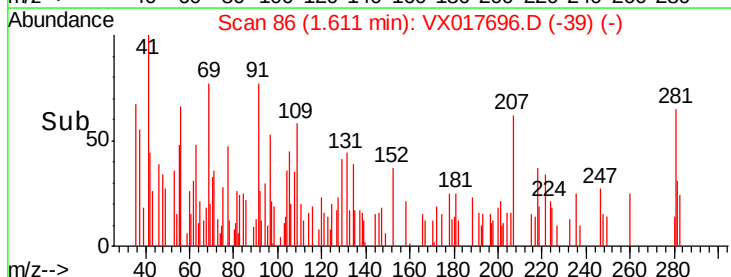
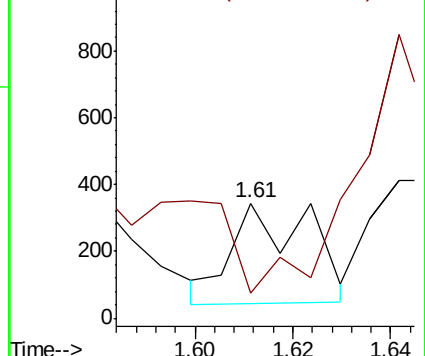
94 100

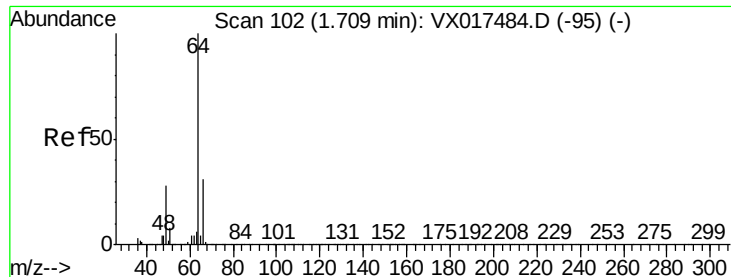
96 0.0 74.1 111.1#



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: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

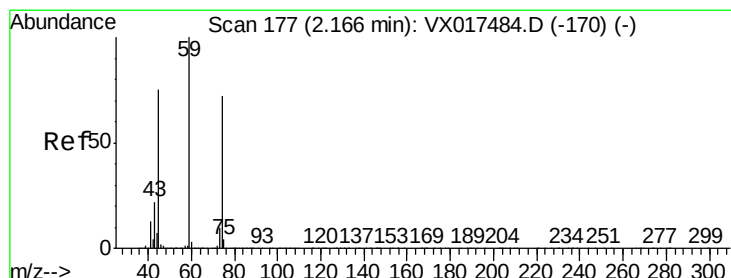
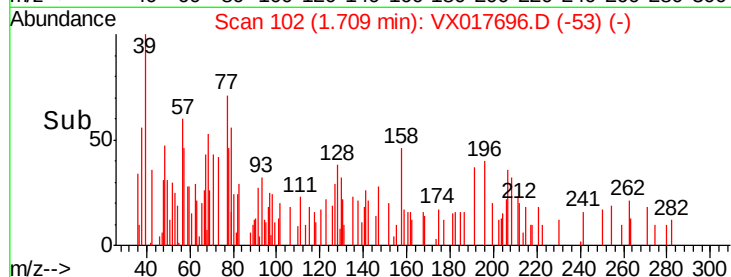
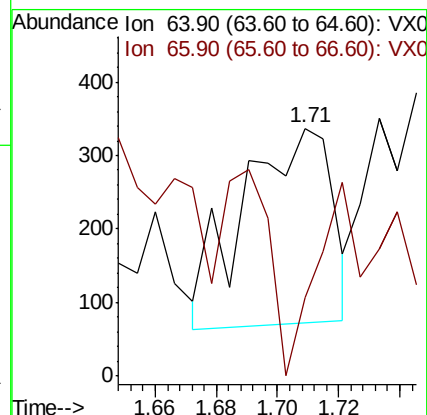
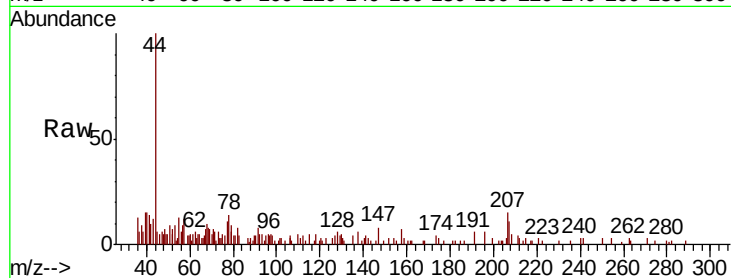
STORAGE-BLANK-WATER-REF-6

Tot Ion: 64 Resp: 541

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.23 min Scan# 188

Delta R.T. 0.07 min

Lab File: VX017696.D

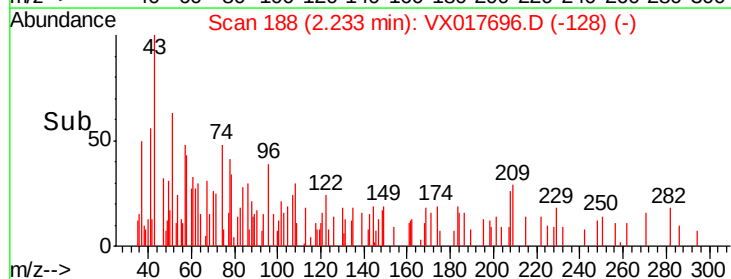
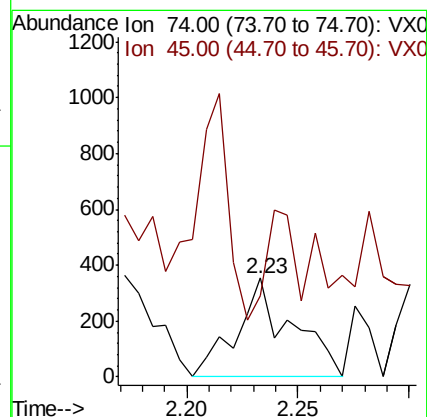
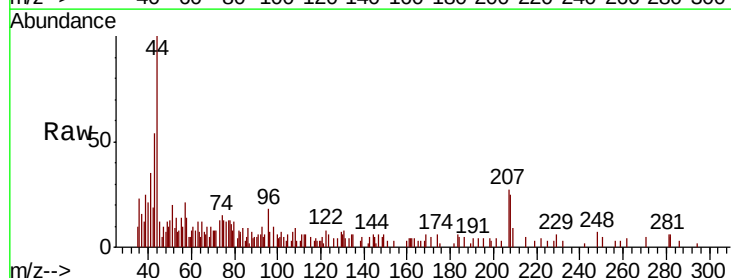
Acq: 31 Jul 2020 13:13

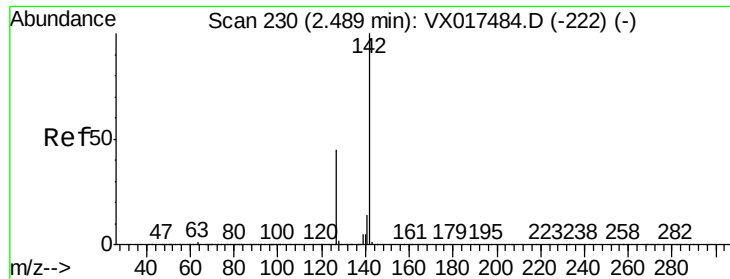
Tgt Ion: 74 Resp: 612

Ion Ratio Lower Upper

74 100

45 98.9 50.8 152.5

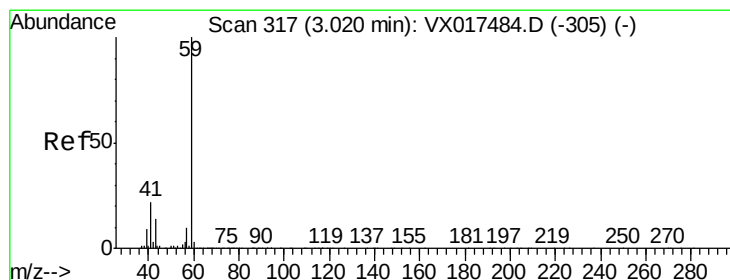
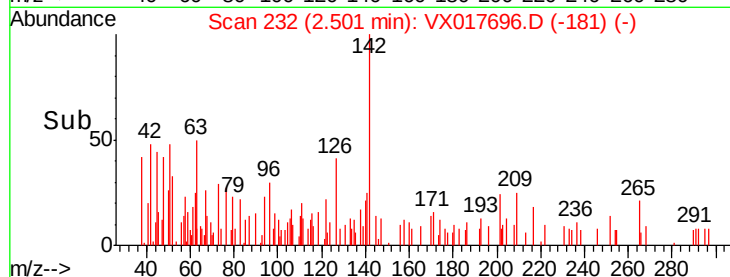
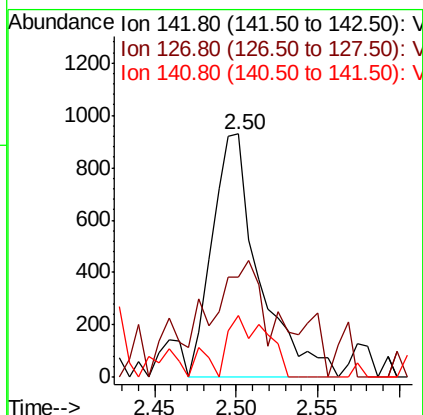
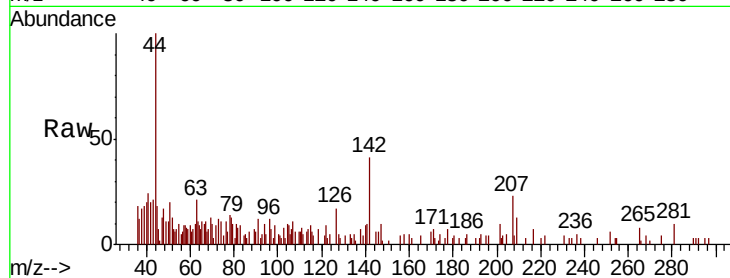




#10
Methvl Iodide
Concen: 0.274 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

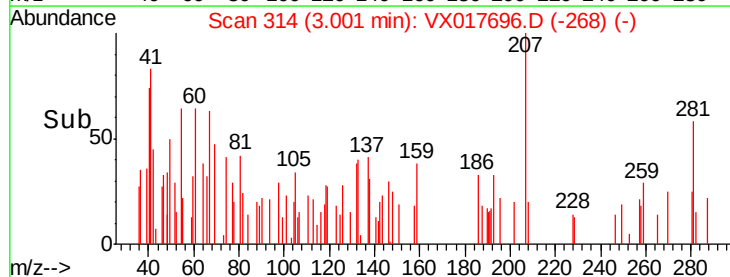
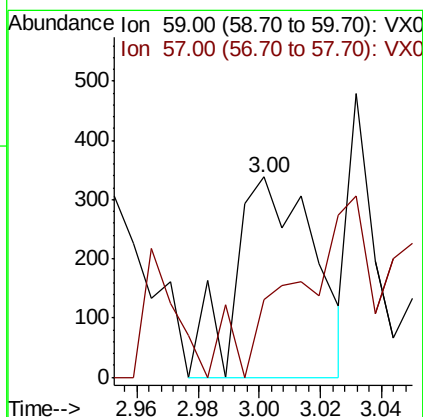
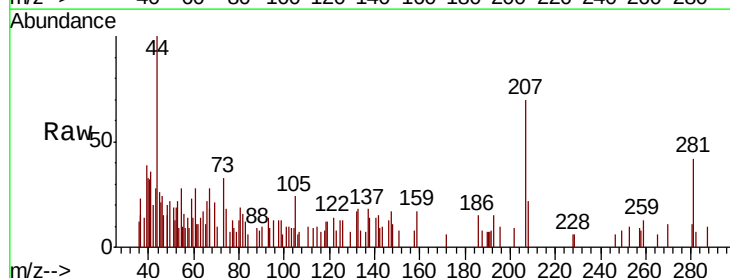
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

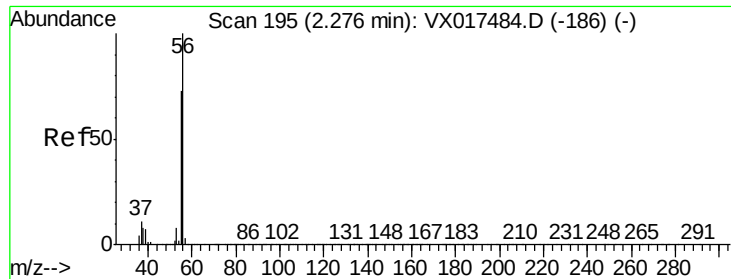
Tot Ion:142 Resp: 1859
Ion Ratio Lower Upper
142 100
127 59.3 35.9 53.9#
141 24.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.462 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

Tgt Ion: 59 Resp: 609
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 4.720 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

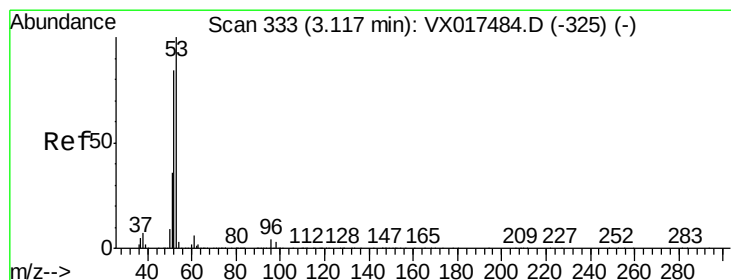
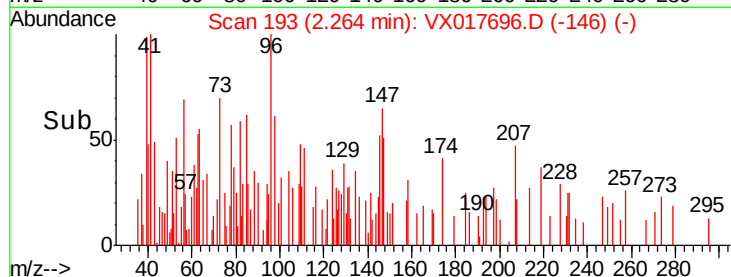
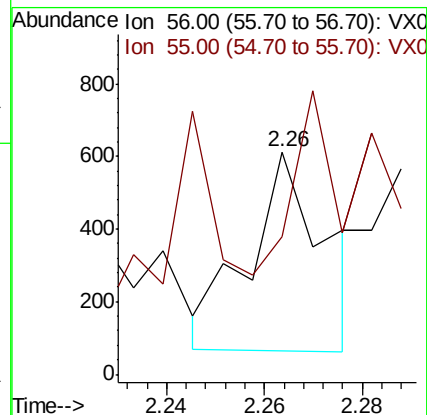
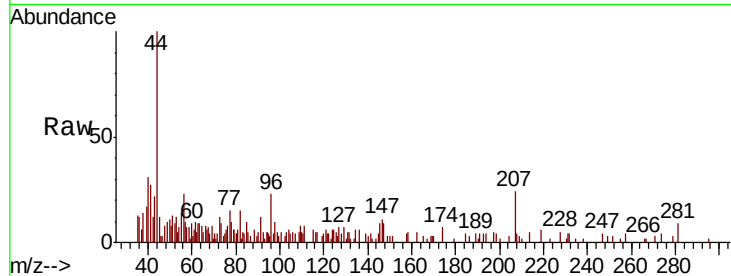
STORAGE-BLANK-WATER-REF-6

Tot Ion: 56 Resp: 585

Ion Ratio Lower Upper

56 100

55 97.3 57.4 86.2#



#15

Acrylonitrile

Concen: 0.382 ug/l

RT: 3.10 min Scan# 331

Delta R.T. -0.01 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

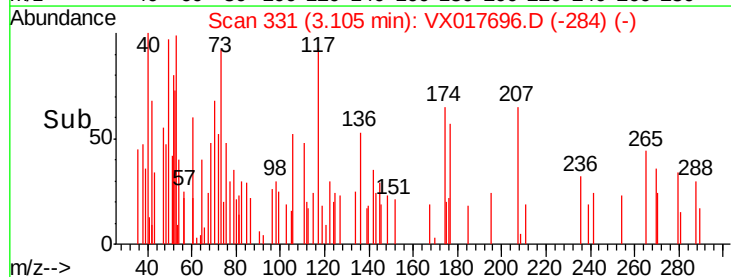
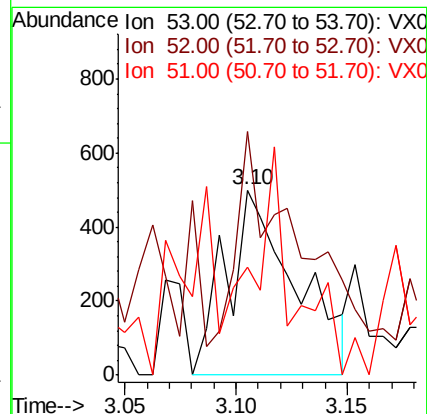
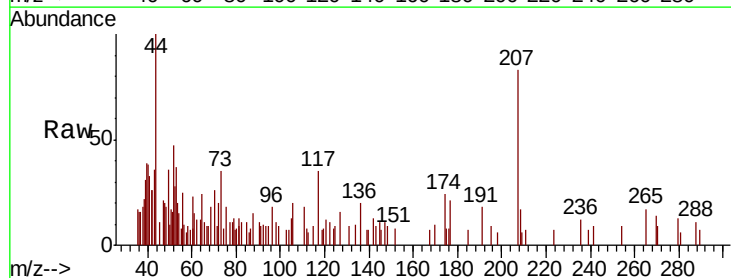
Tgt Ion: 53 Resp: 1089

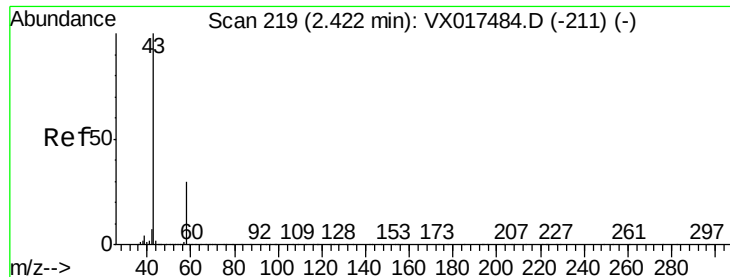
Ion Ratio Lower Upper

53 100

52 100.3 66.6 99.8#

51 66.6 29.4 44.2#





#16

Acetone

Concen: 5.275 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

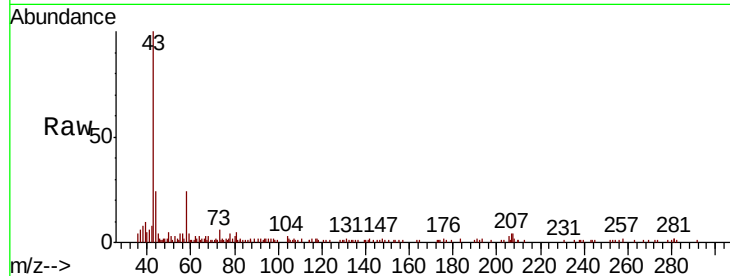
STORAGE-BLANK-WATER-REF-6

Tot Ion: 43 Resp: 14537

Ion Ratio Lower Upper

43 100

58 22.7 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

10000

8000

6000

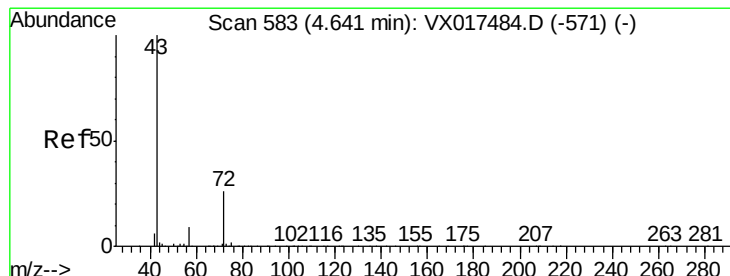
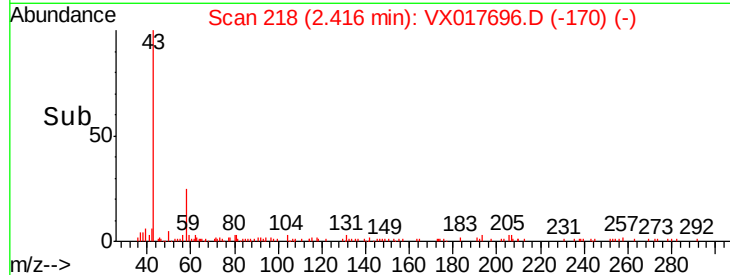
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#25

2-Butanone

Concen: 0.220 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX017696.D

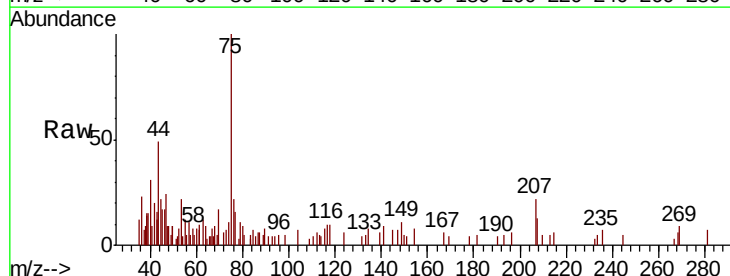
Acq: 31 Jul 2020 13:13

Tgt Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

72 41.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.66

600

500

400

300

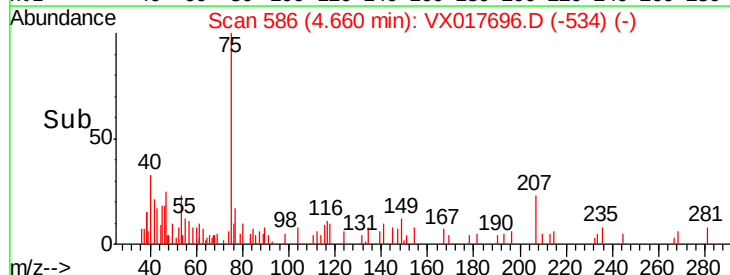
200

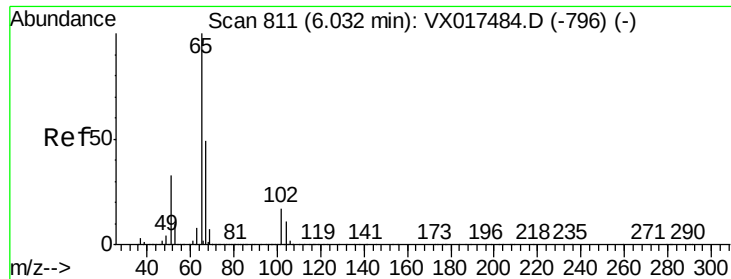
100

0

Time-->

4.62 4.64 4.66 4.68

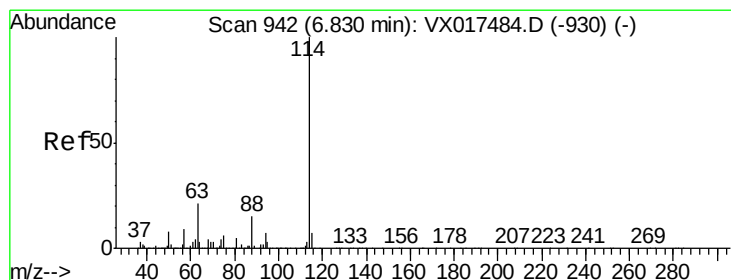
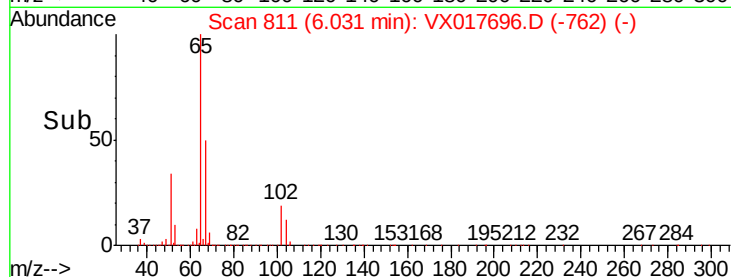
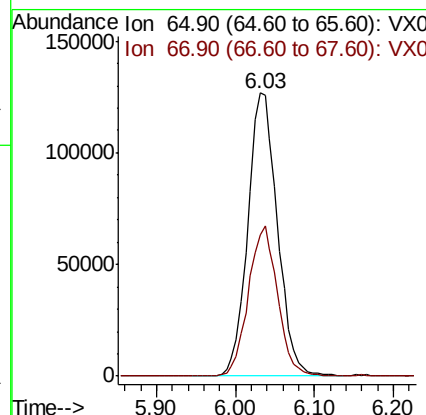
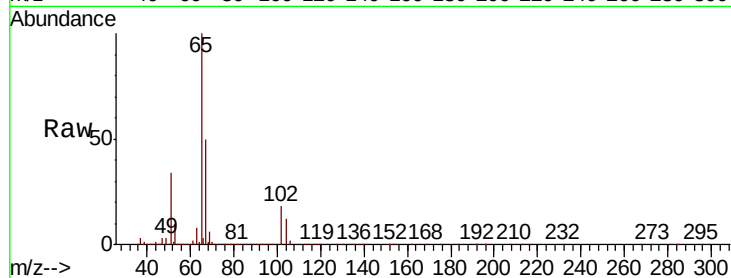




#33
 1,2-Dichloroethane-d4
 Concen: 52.668 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017696.D
 Acq: 31 Jul 2020 13:13

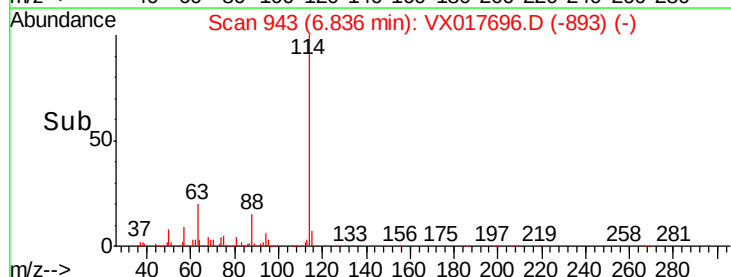
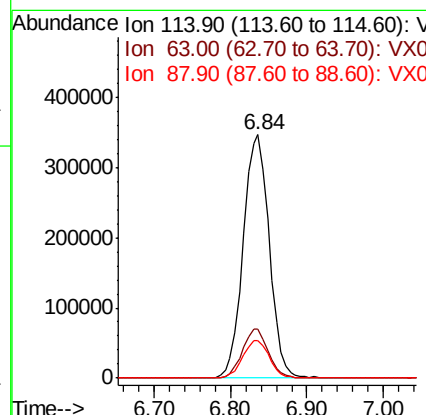
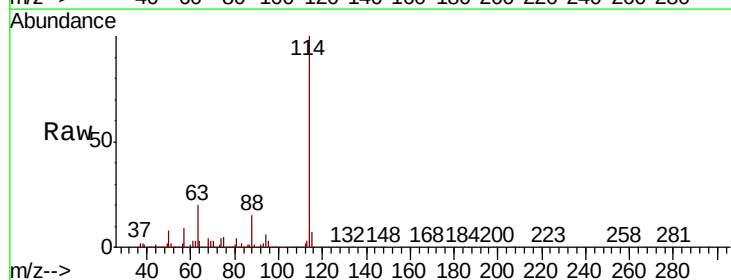
Instrument :
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 STORAGE-BLANK-WATER-REF-6

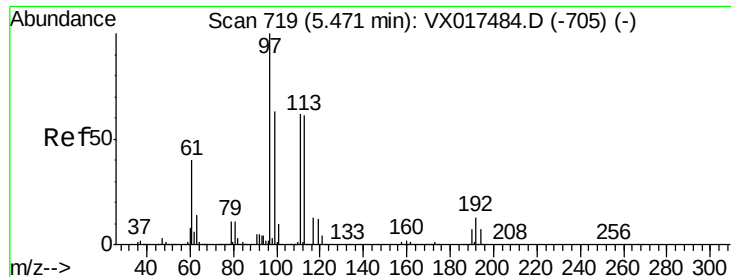
Tot Ion: 65 Resp: 329754
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017696.D
 Acq: 31 Jul 2020 13:13

Tgt Ion: 114 Resp: 817810
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.6
 88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.691 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-6

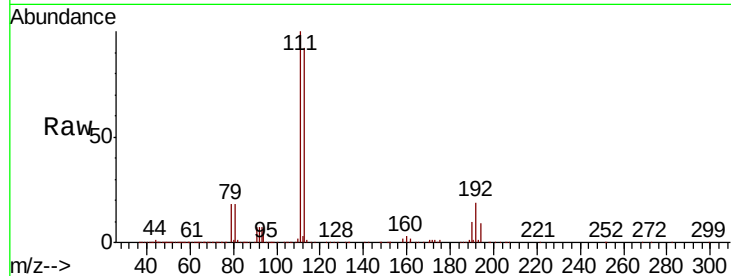
Tot Ion:113 Resp: 277258

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

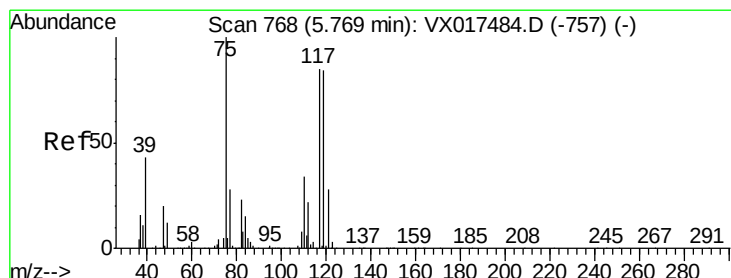
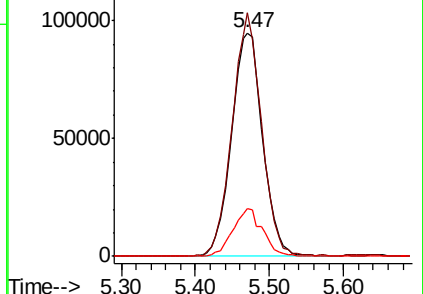
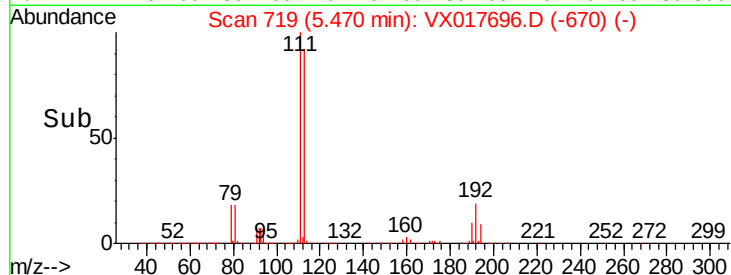
192 20.5 16.9 25.3



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: 4.501 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

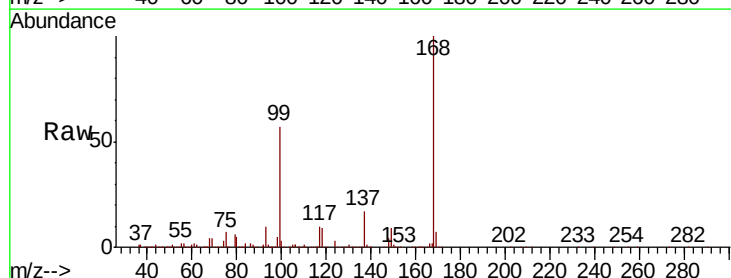
Tgt Ion: 75 Resp: 35304

Ion Ratio Lower Upper

75 100

110 12.0 18.1 54.3#

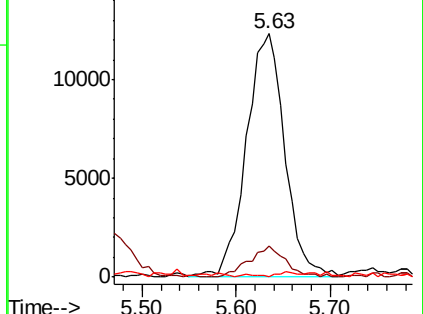
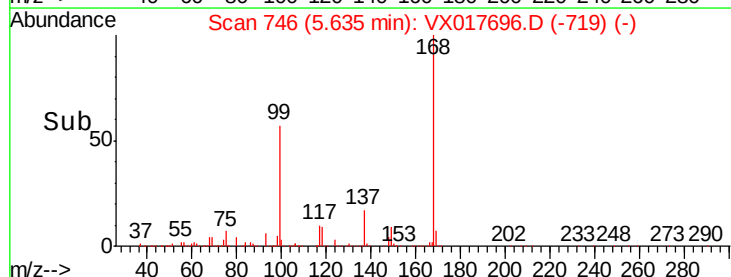
77 1.1 24.6 37.0#

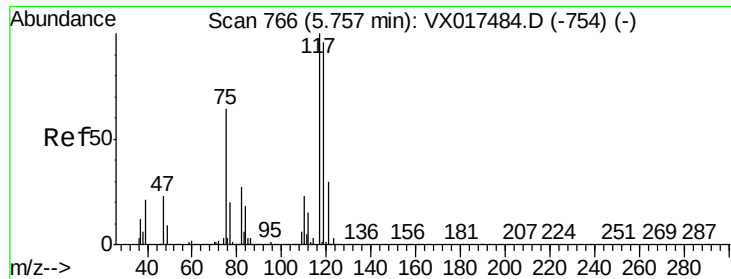


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

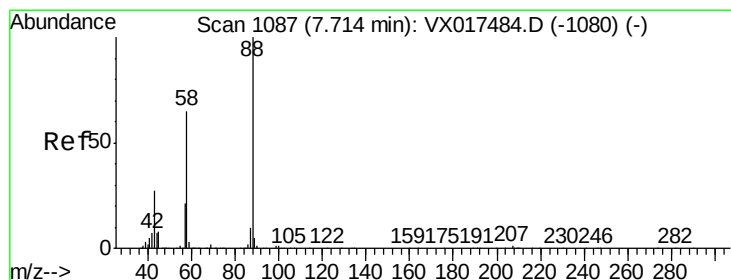
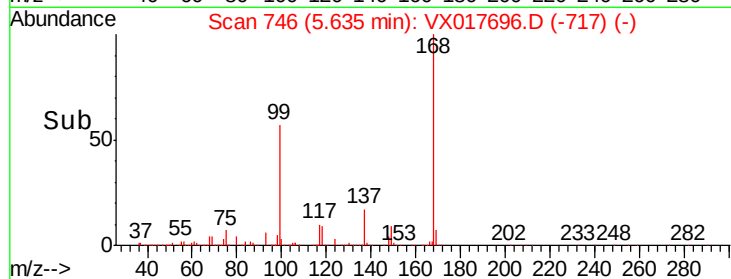
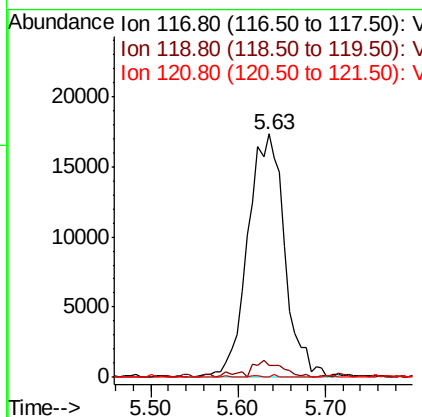
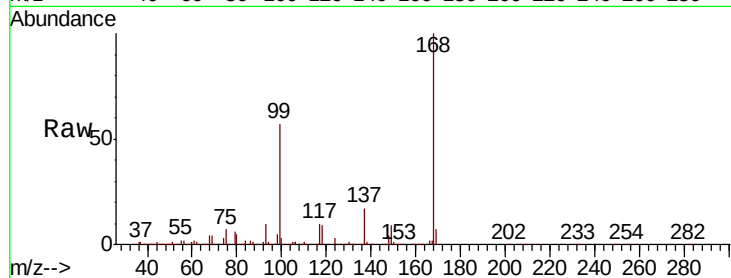




#38
Carbon Tetrachloride
Concen: 5.354 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

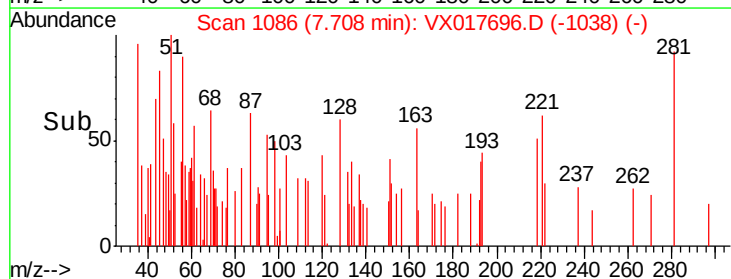
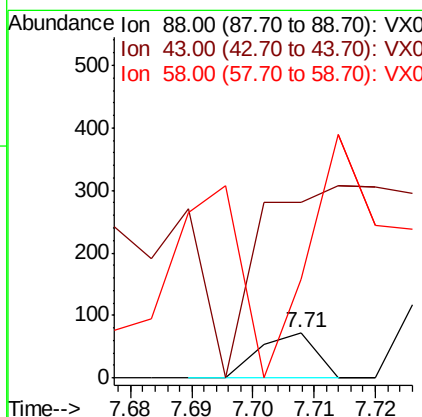
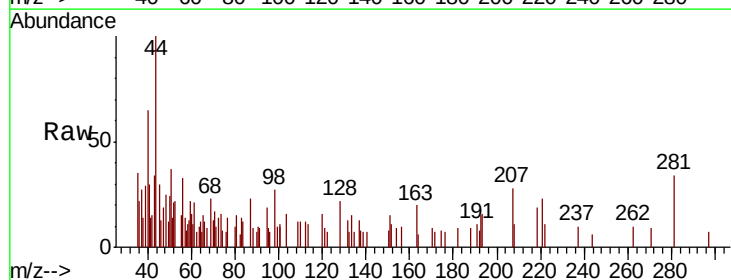
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

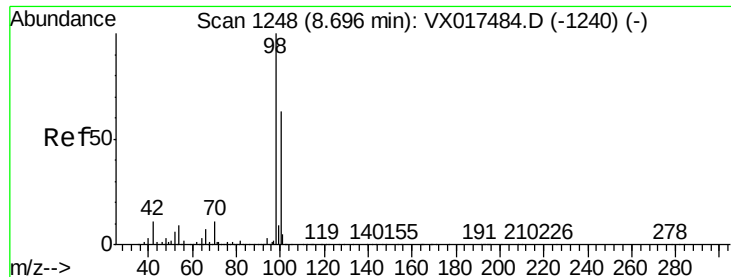
Tot Ion:117 Resp: 50997
Ion Ratio Lower Upper
117 100
119 3.6 75.4 113.0#
121 0.4 24.3 36.5#



#49
1,4-Dioxane
Concen: 0.342 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 947.8 58.3 87.5#

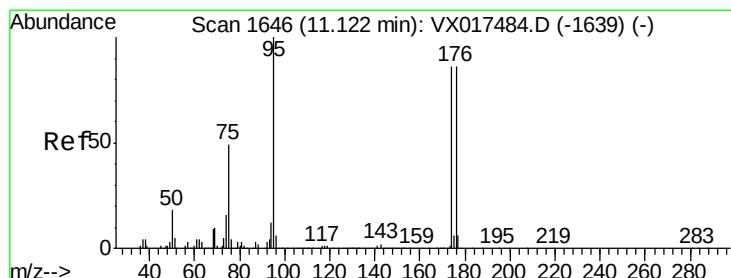
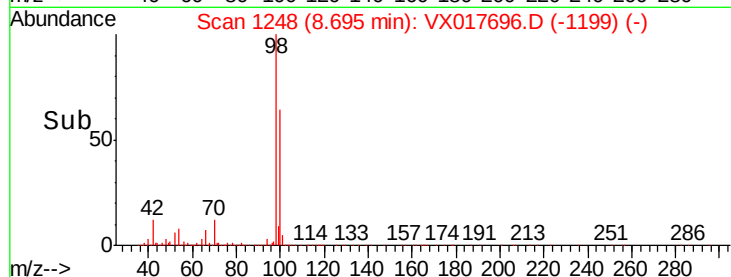
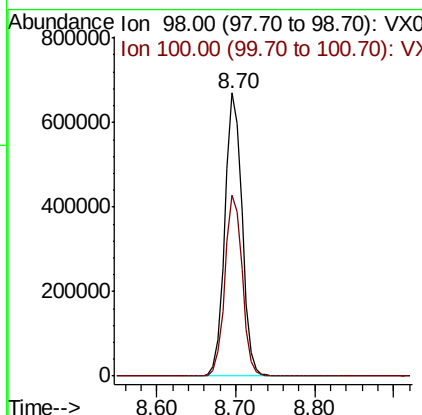
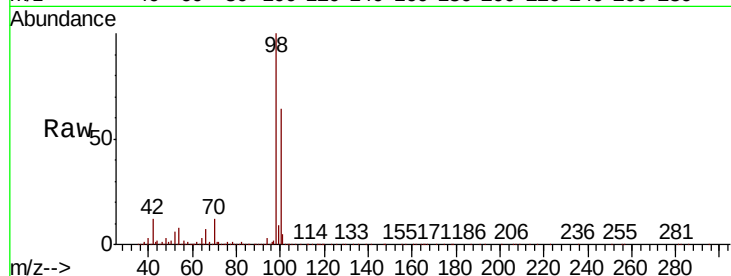




#50
Toluene-d8
Concen: 51.529 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

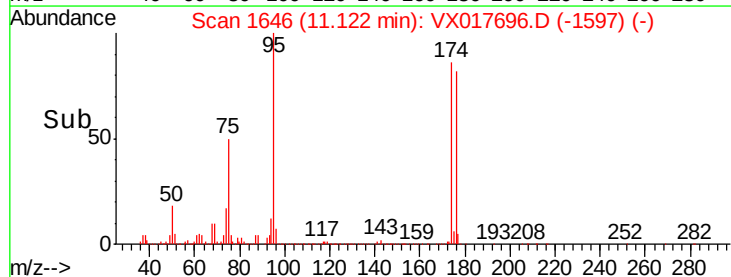
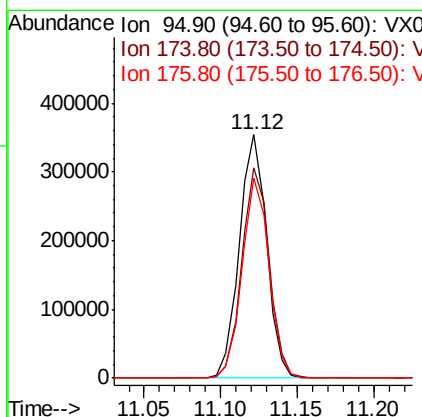
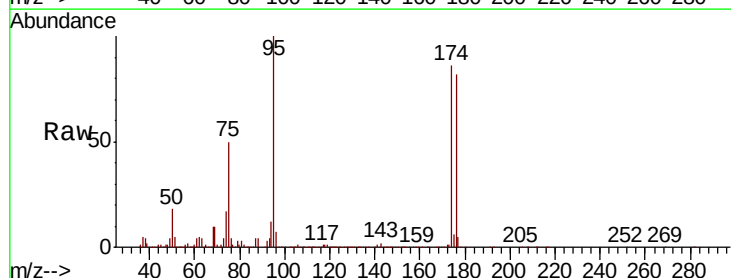
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

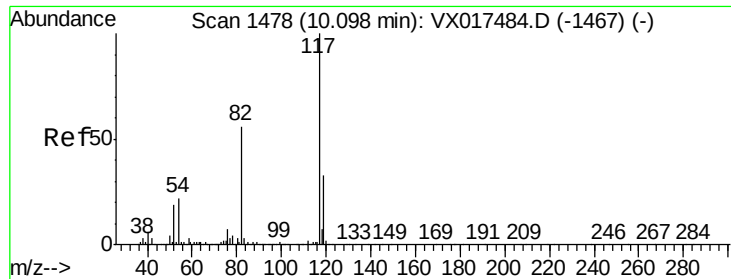
Tot Ion: 98 Resp: 1016733
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 55.563 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

Tgt Ion: 95 Resp: 438752
Ion Ratio Lower Upper
95 100
174 86.9 0.0 169.0
176 81.0 0.0 161.0

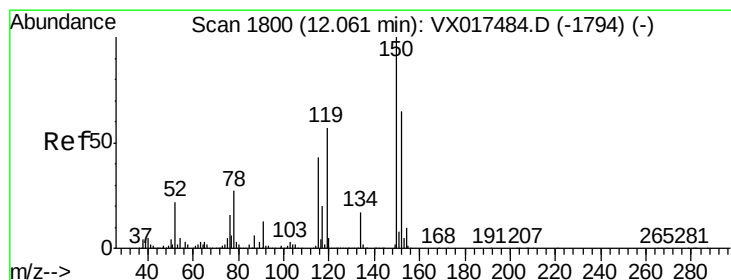
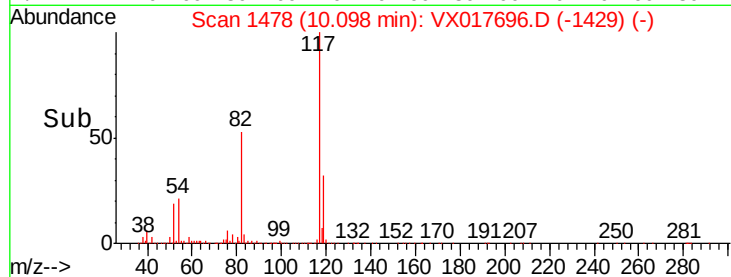
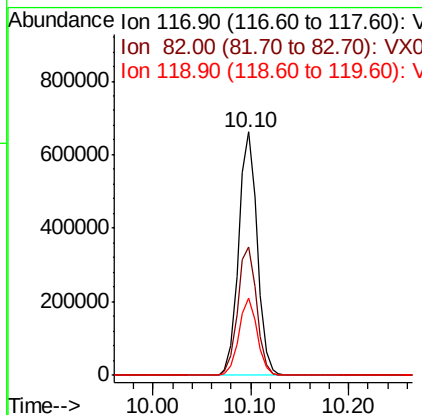
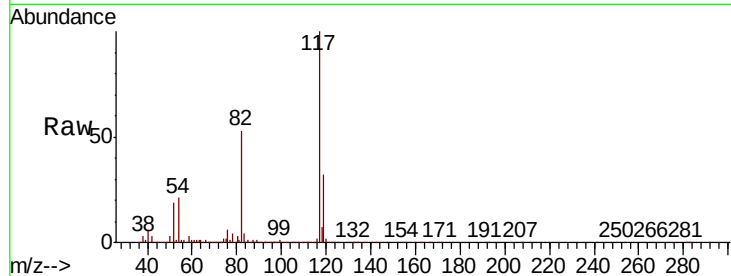




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

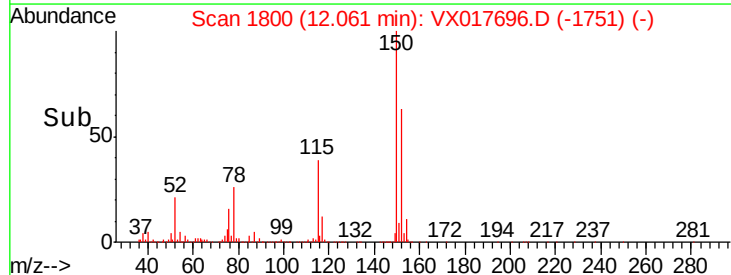
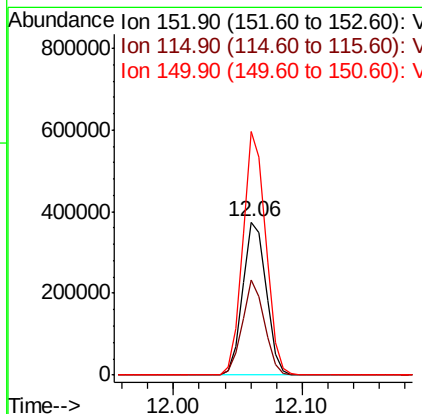
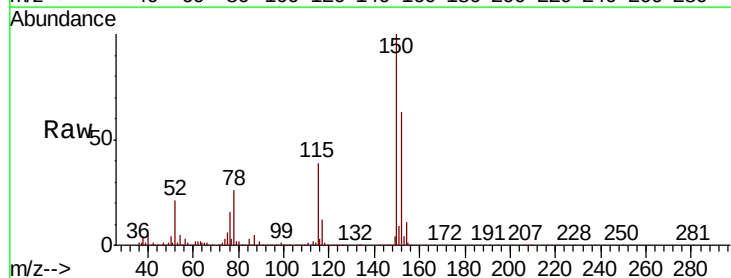
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

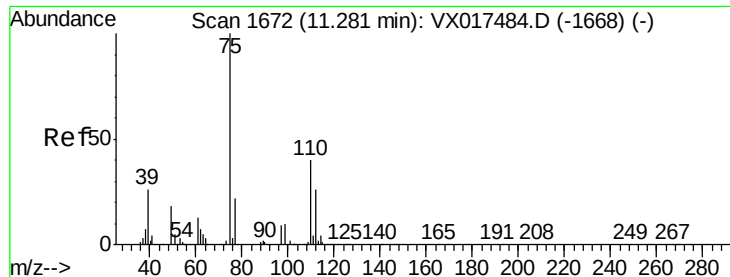
Tot Ion:117 Resp: 868407
Ion Ratio Lower Upper
117 100
82 52.7 44.0 66.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017696.D
Acq: 31 Jul 2020 13:13

Tgt Ion:152 Resp: 469729
Ion Ratio Lower Upper
152 100
115 58.7 65.5 196.6#
150 154.9 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.111 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

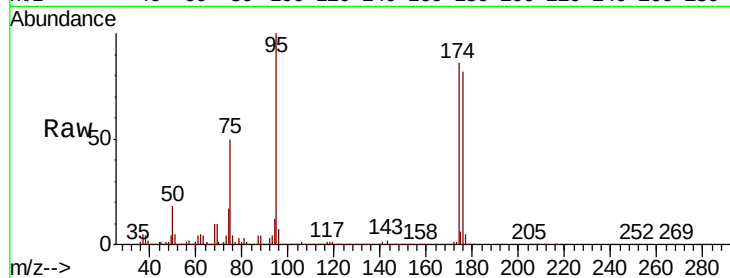
STORAGE-BLANK-WATER-REF-6

Tot Ion: 75 Resp: 223306

Ion Ratio Lower Upper

75 100

77 1.6 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

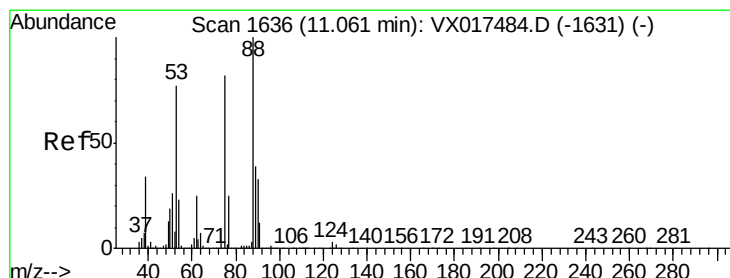
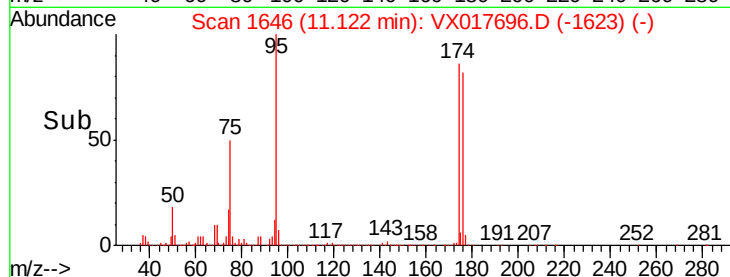
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.233 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017696.D

Acq: 31 Jul 2020 13:13

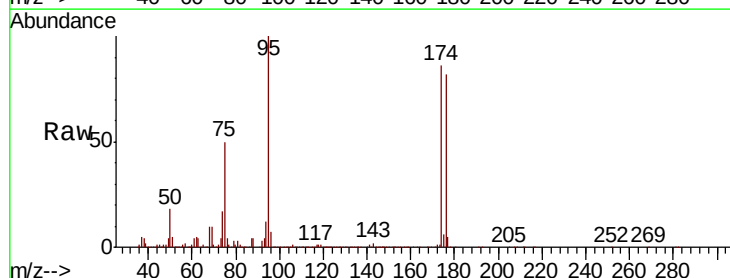
Tgt Ion: 75 Resp: 223306

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

89 0.2 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

11.12

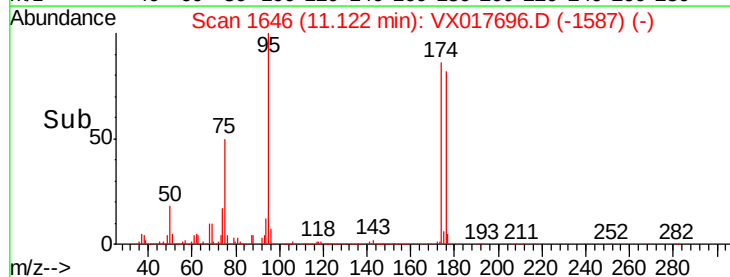
150000

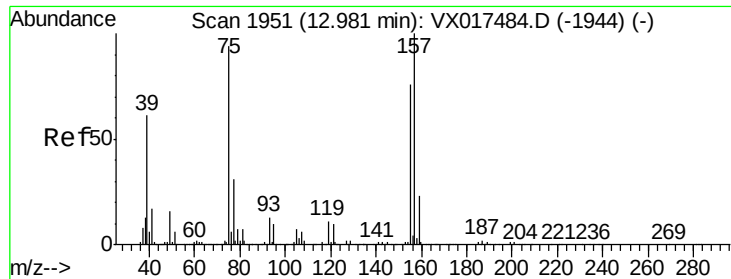
100000

50000

0

Time-->





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.655 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017696.D
 Acq: 31 Jul 2020 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-6

Tot Ion	Ratio	Lower	Upper
75	100		
155	37.9	42.3	126.8#
157	0.0	54.3	162.9#

