

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082120\
 Data File : VX018060.D
 Acq On : 21 Aug 2020 15:45
 Operator : JC/SP
 Sample : L3770-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-WATERREF-4

Quant Time: Aug 21 23:54:26 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	5.63	168	529026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	832789	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	851615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	379291	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	348326	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
35) Dibromofluoromethane	5.46	113	283631	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	8.70	98	1074224	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.12	95	406394	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

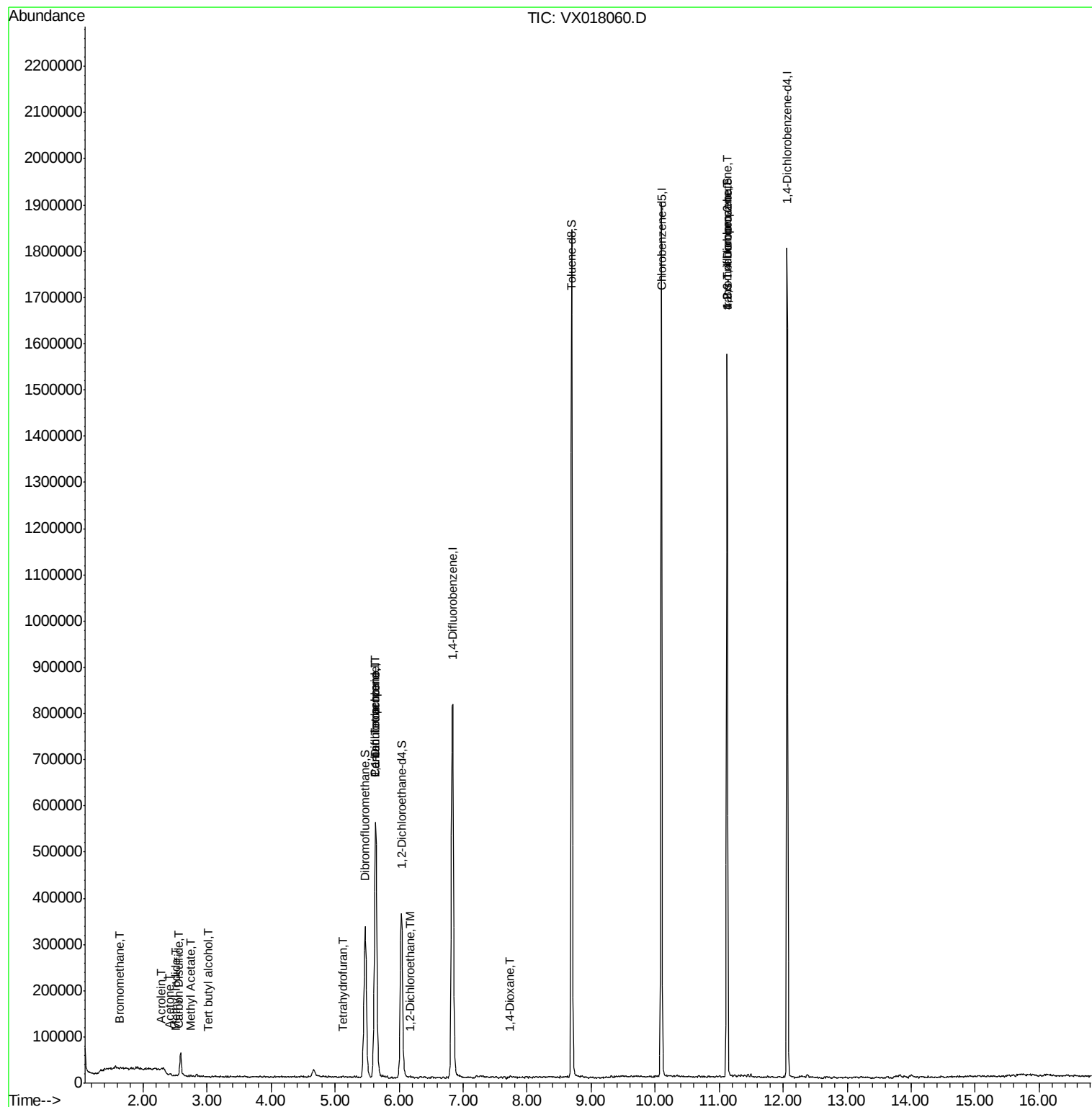
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	782	0.240	ug/l #	13
10) Methyl Iodide	2.51	142	608	5.389	ug/l #	60
11) Tert butyl alcohol	3.01	59	344	0.241	ug/l #	85
13) Acrolein	2.28	56	357	0.603	ug/l	83
16) Acetone	2.42	43	3796	1.326	ug/l	94
17) Carbon Disulfide	2.56	76	3424	0.219	ug/l #	84
18) Methyl Acetate	2.75	43	1555	0.225	ug/l #	86
20) Methylene Chloride	2.84	84	2601	Below Cal	#	78
29) Tetrahydrofuran	5.13	42	636	0.212	ug/l #	53
36) 1,1-Dichloropropene	5.63	75	40564	5.281	ug/l #	41
38) Carbon Tetrachloride	5.63	117	53719	6.206	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	1830	0.212	ug/l	86
49) 1,4-Dioxane	7.73	88	302	2.324	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	202580	24.010	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	202580	64.846	ug/l #	12

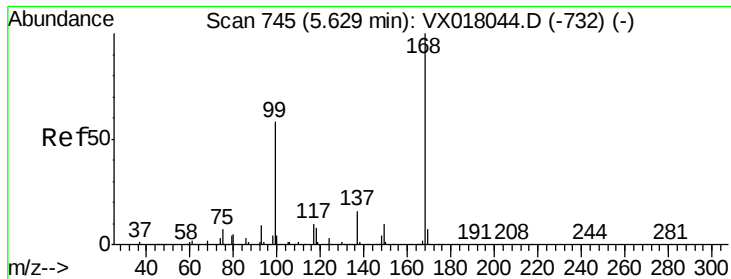
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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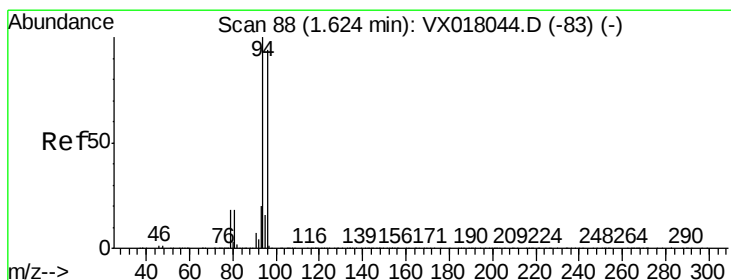
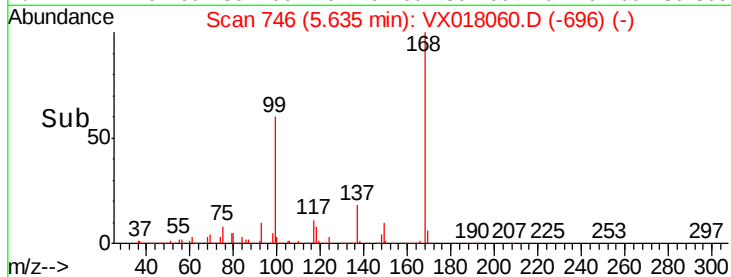
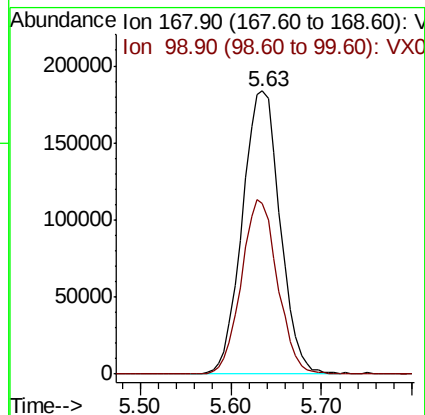
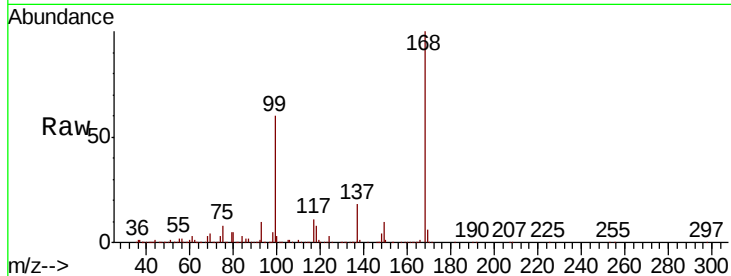


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VX018060.D
 Acq: 21 Aug 2020 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

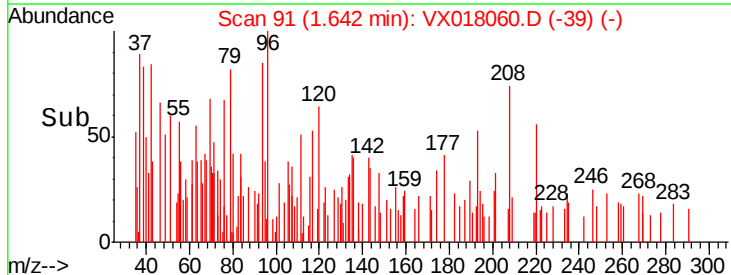
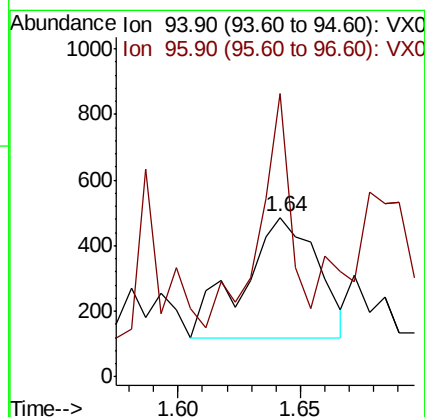
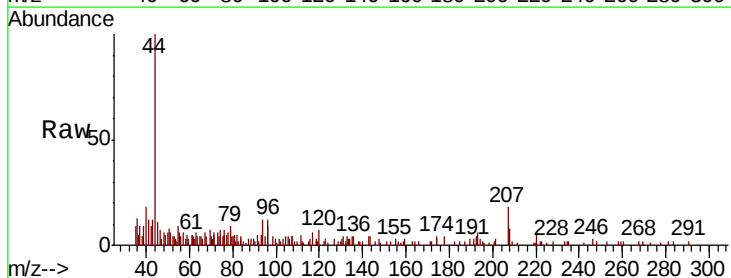
Tot Ion:168 Resp: 529026
 Ion Ratio Lower Upper
 168 100
 99 60.4 46.3 69.5

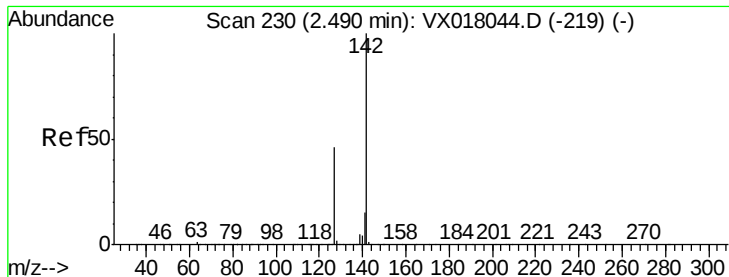


#5

Bromomethane
 Concen: 0.240 ug/l
 RT: 1.64 min Scan# 91
 Delta R.T. 0.02 min
 Lab File: VX018060.D
 Acq: 21 Aug 2020 15:45

Tgt Ion: 94 Resp: 782
 Ion Ratio Lower Upper
 94 100
 96 177.2 74.8 112.2#

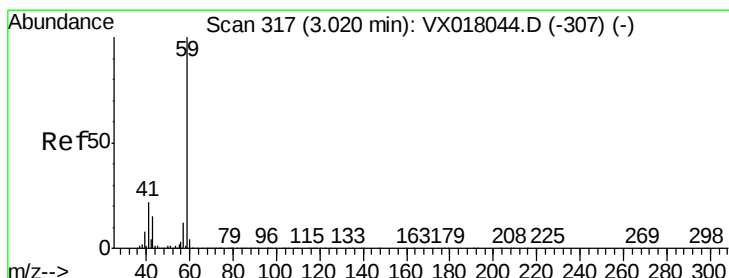
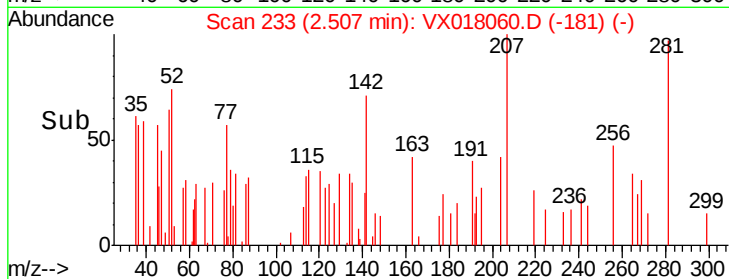
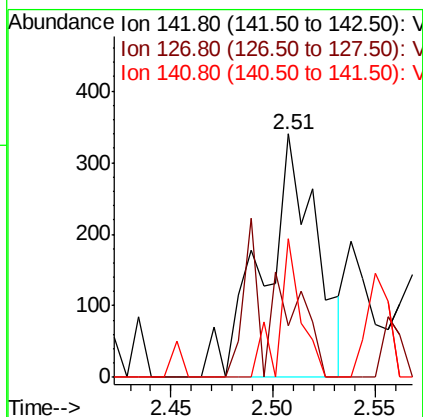
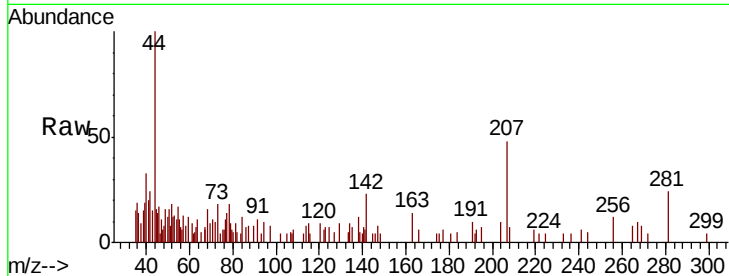




#10
Methyl Iodide
Concen: 5.389 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018060.D
Acq: 21 Aug 2020 15:45

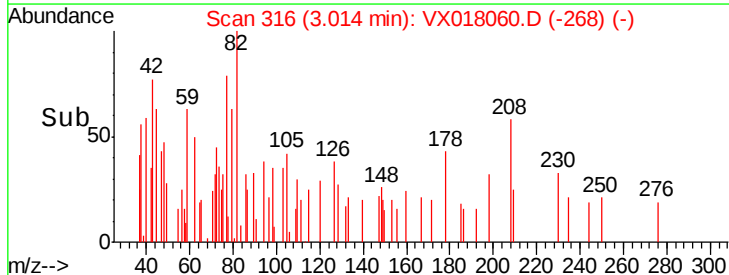
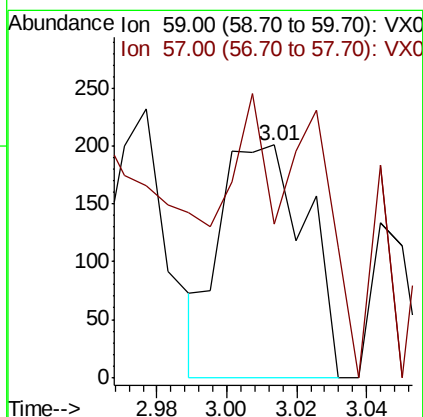
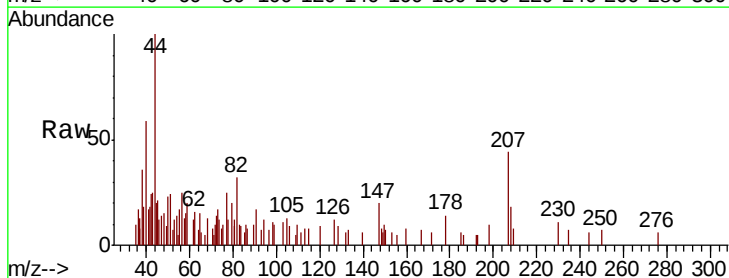
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

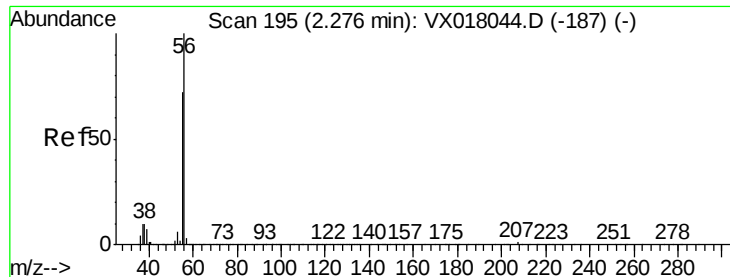
Tot Ion:142 Resp: 608
Ion Ratio Lower Upper
142 100
127 16.4 37.0 55.6#
141 24.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.241 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018060.D
Acq: 21 Aug 2020 15:45

Tgt Ion: 59 Resp: 344
Ion Ratio Lower Upper
59 100
57 16.9 8.9 13.3#

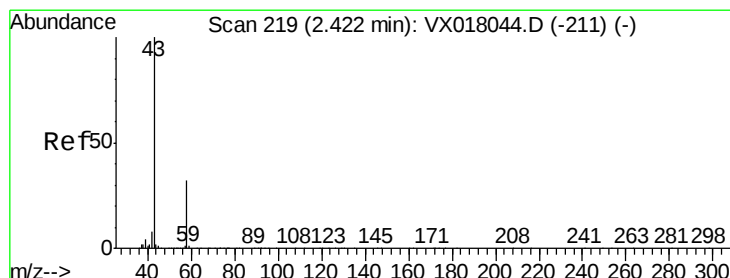
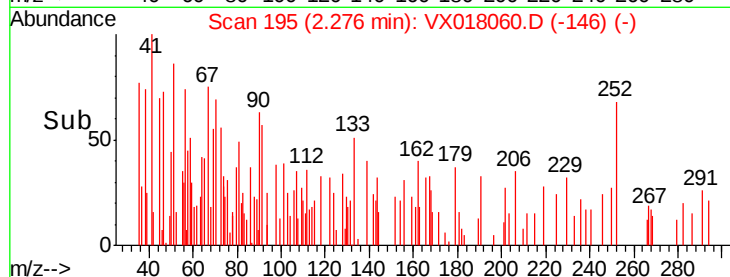
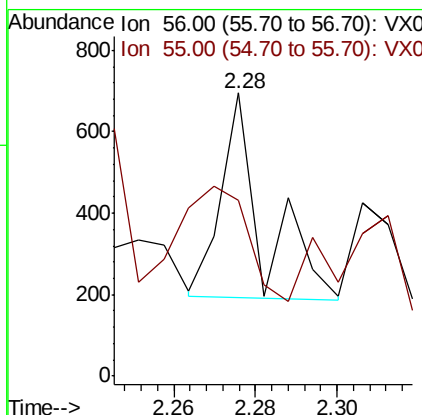
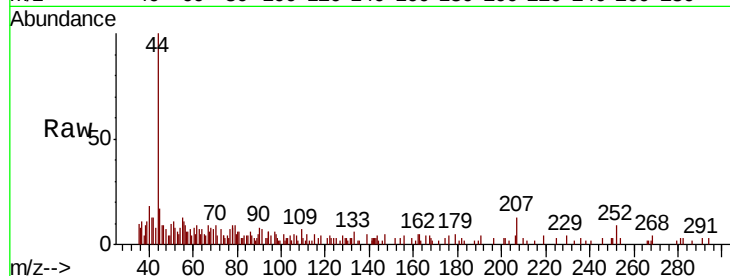




#13
Acrolein
Concen: 0.603 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018060.D
Acq: 21 Aug 2020 15:45

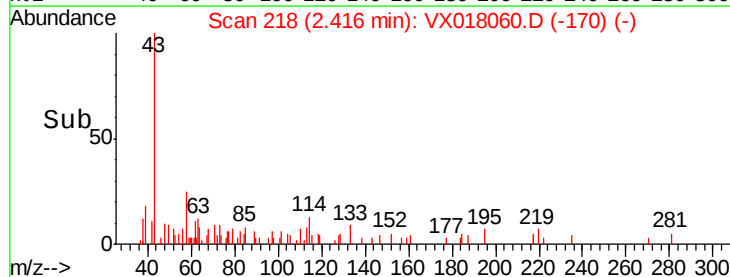
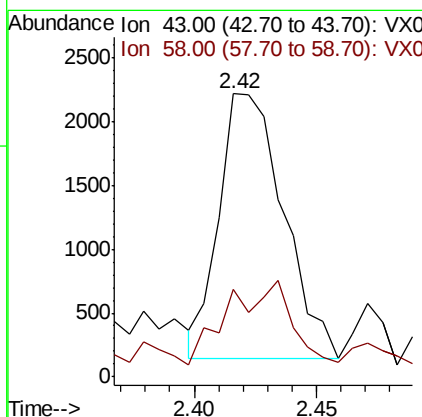
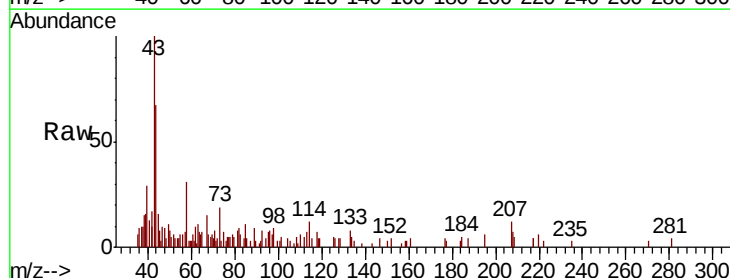
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

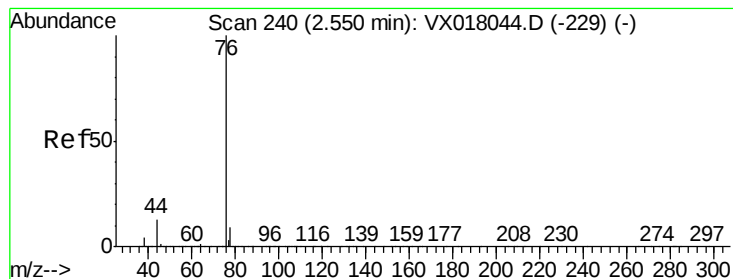
Tot Ion: 56 Resp: 357
Ion Ratio Lower Upper
56 100
55 85.4 57.0 85.6



#16
Acetone
Concen: 1.326 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018060.D
Acq: 21 Aug 2020 15:45

Tgt Ion: 43 Resp: 3796
Ion Ratio Lower Upper
43 100
58 28.8 25.5 38.3





#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

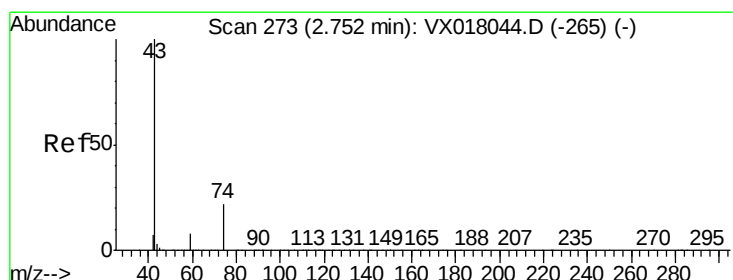
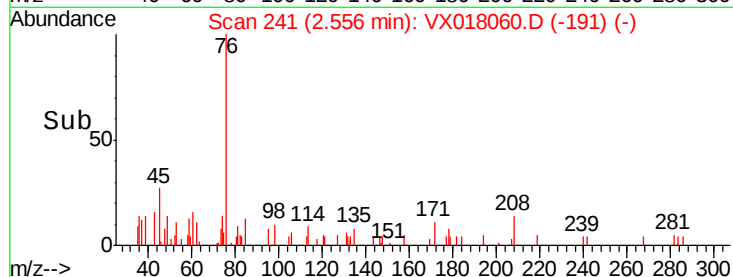
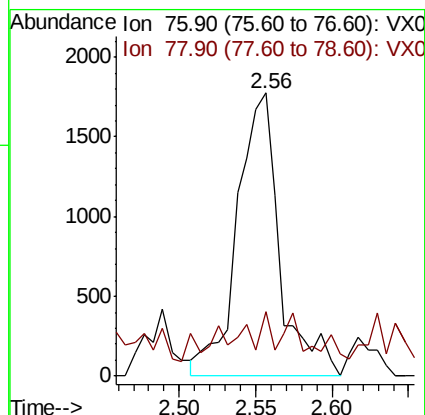
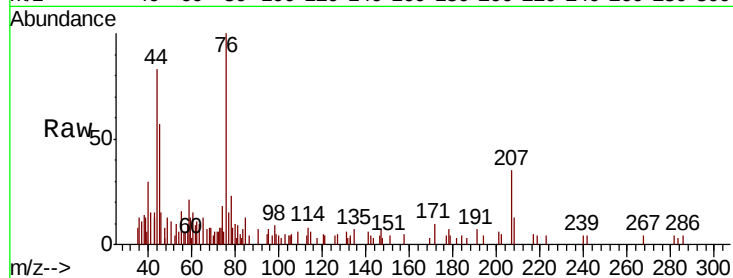
STORAGEBLANK-WATERREF-4

Tot Ion: 76 Resp: 3424

Ion Ratio Lower Upper

76 100

78 15.0 7.4 11.0#



#18

Methyl Acetate

Concen: 0.225 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018060.D

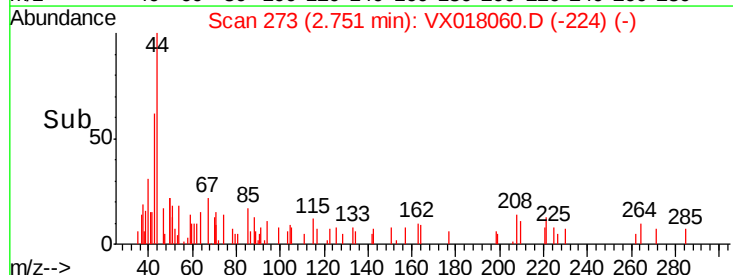
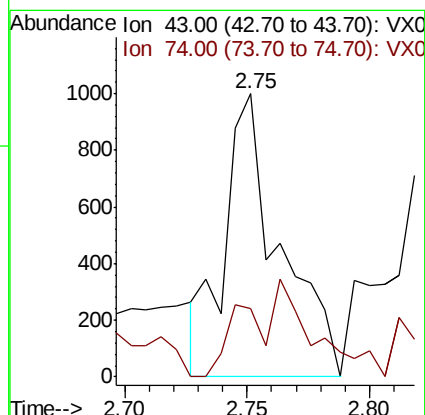
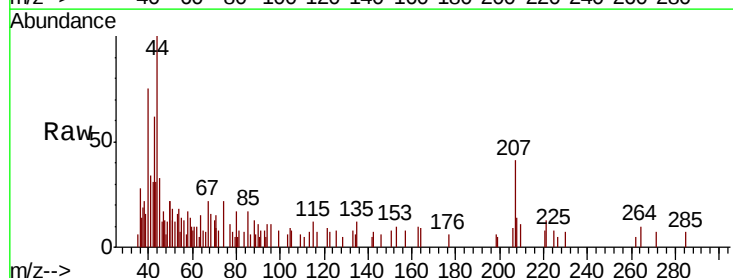
Acq: 21 Aug 2020 15:45

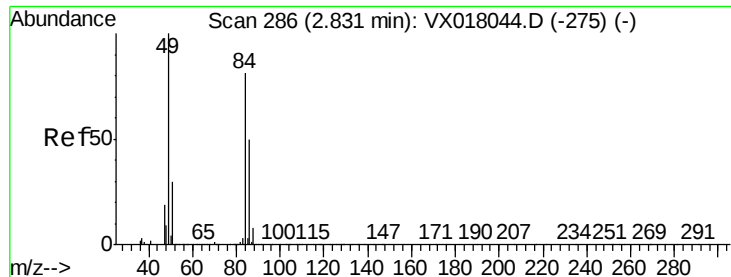
Tgt Ion: 43 Resp: 1555

Ion Ratio Lower Upper

43 100

74 16.0 18.2 27.4#

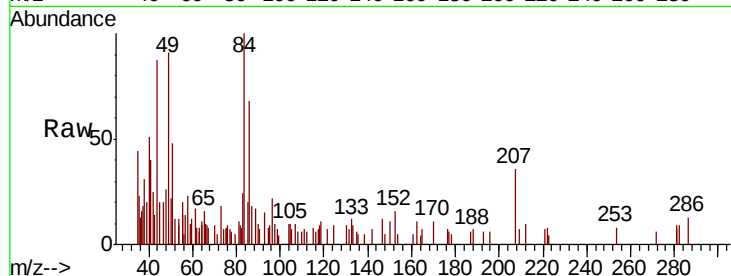




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018060.D
Acq: 21 Aug 2020 15:45

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

Tot Ion:	84	Resp:	2601
Ion	Ratio	Lower	Upper
84	100		
49	86.1	98.6	148.0#
51	51.2	29.6	44.4#
86	62.6	49.8	74.6



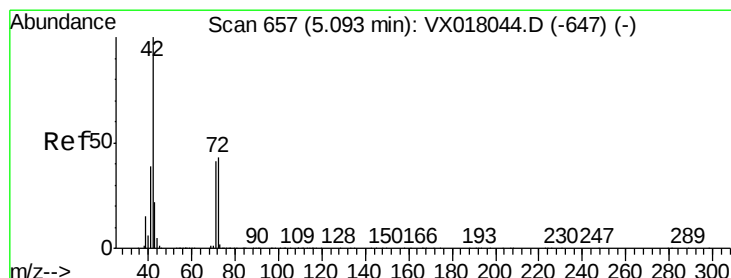
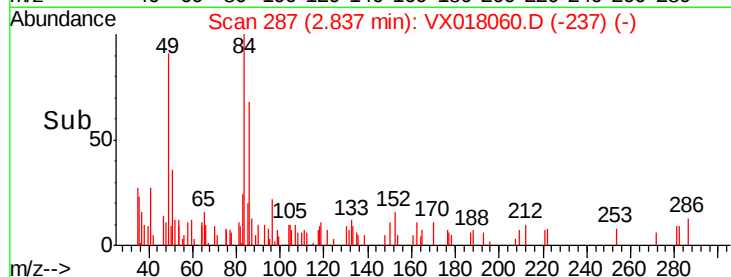
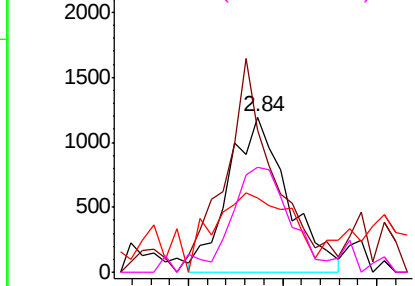
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

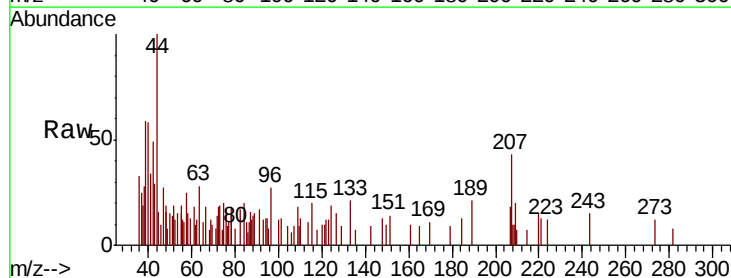
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29
Tetrahydrofuran
Concen: 0.212 ug/l
RT: 5.13 min Scan# 663
Delta R.T. 0.04 min
Lab File: VX018060.D
Acq: 21 Aug 2020 15:45

Tgt Ion:	42	Resp:	636
Ion	Ratio	Lower	Upper
42	100		
72	75.8	34.2	51.4#
71	13.5	32.1	48.1#

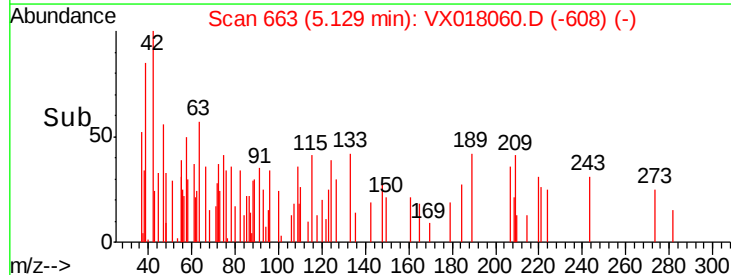
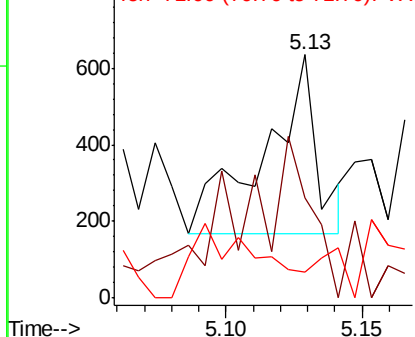


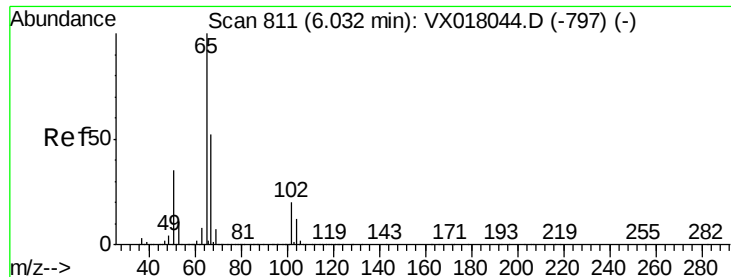
Abundance

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





#33

1,2-Dichloroethane-d4

Concen: 47.428 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

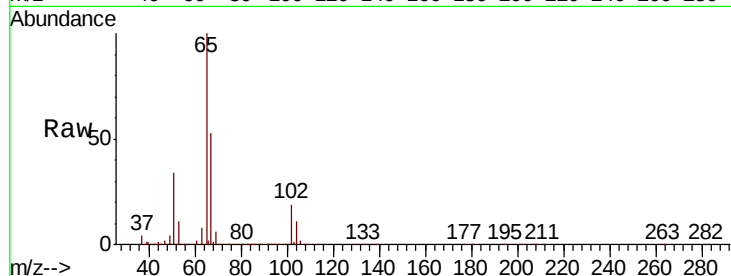
STORAGEBLANK-WATERREF-4

Tot Ion: 65 Resp: 348326

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

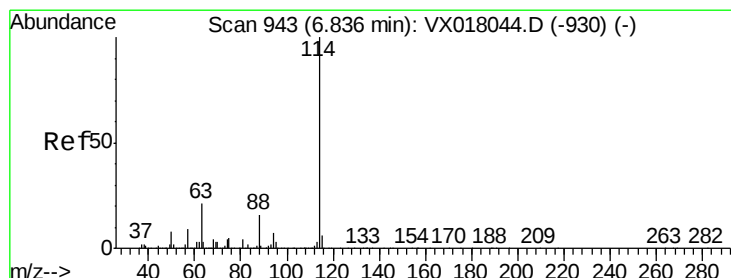
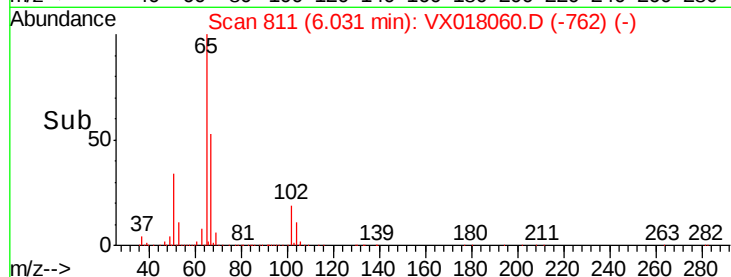
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

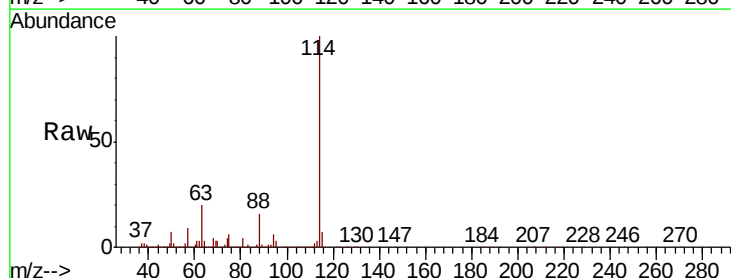
Tgt Ion: 114 Resp: 832789

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 15.7 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

6.84

400000

300000

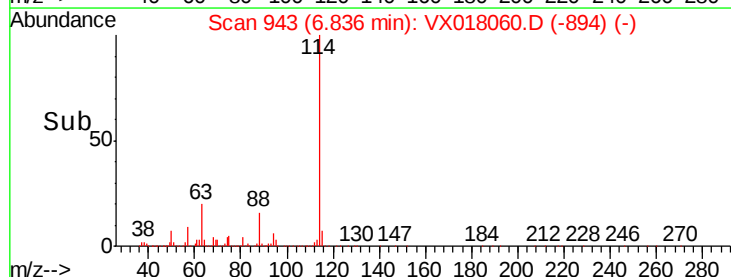
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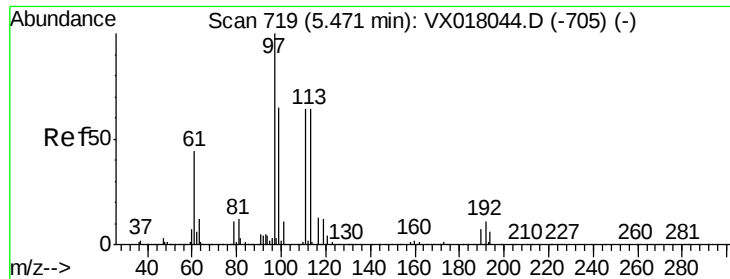
100000

0

6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 50.008 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

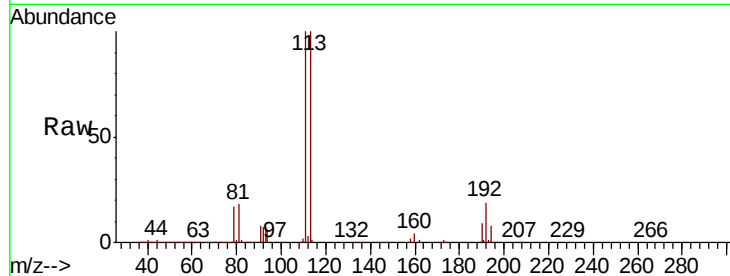
Tot Ion:113 Resp: 283631

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

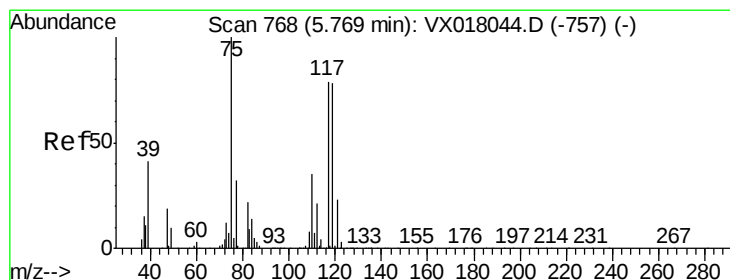
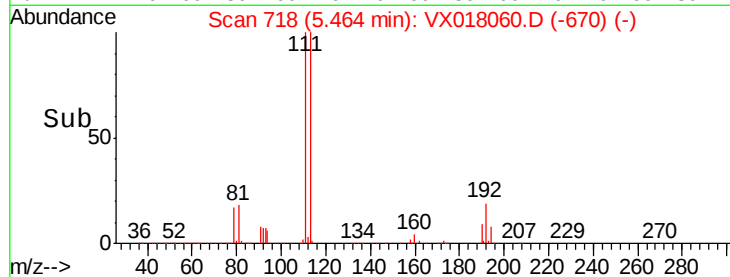
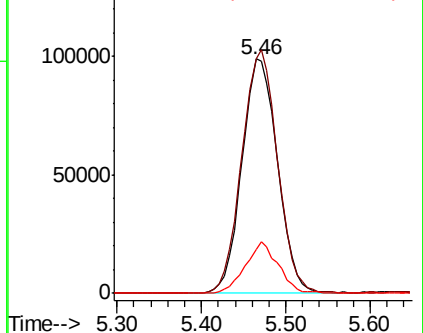
192 20.3 15.8 23.8



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: 5.281 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

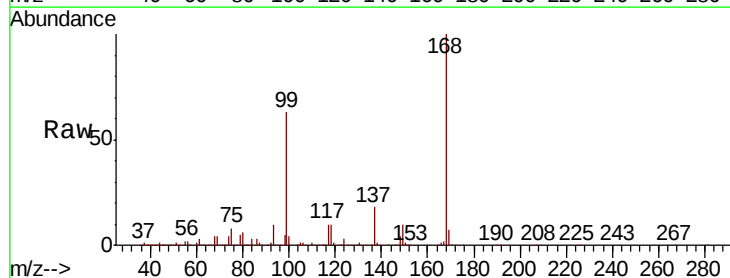
Tgt Ion: 75 Resp: 40564

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

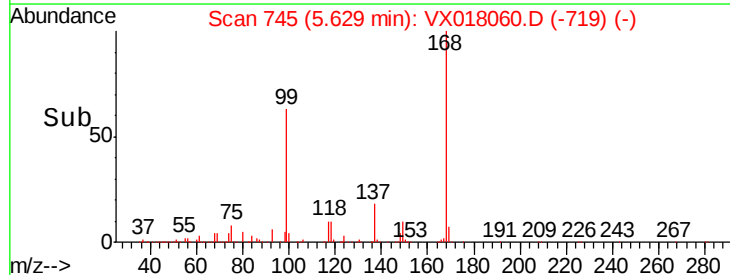
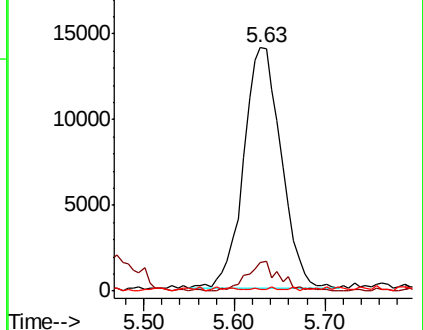
77 0.3 24.4 36.6#

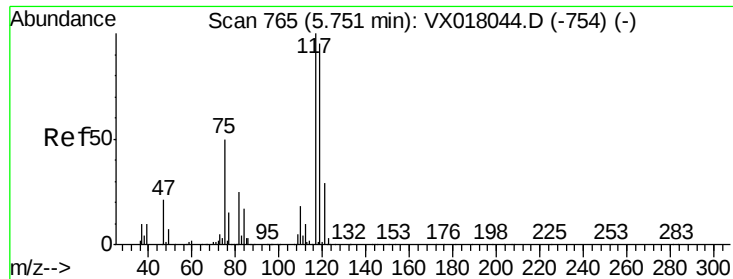


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.206 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

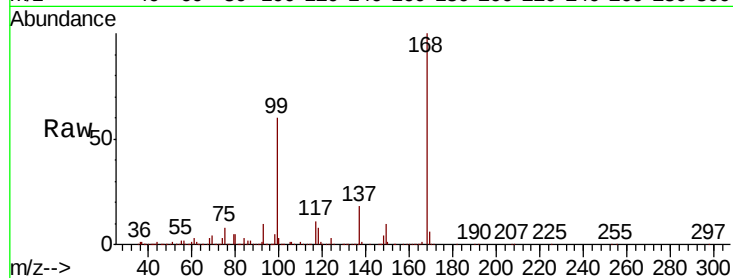
Tot Ion:117 Resp: 53719

Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

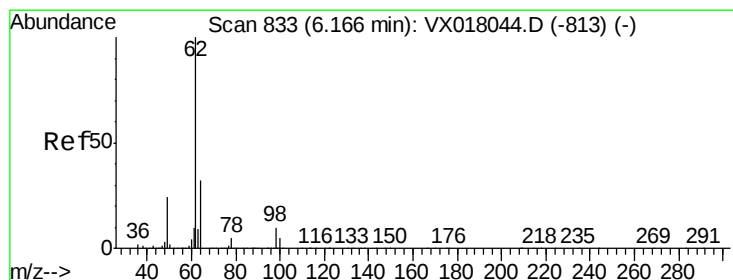
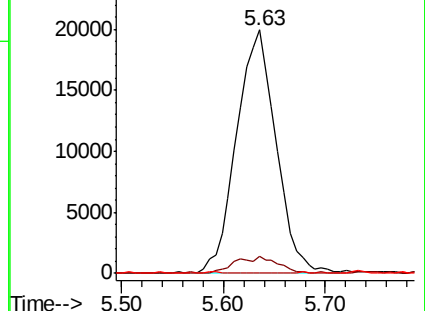
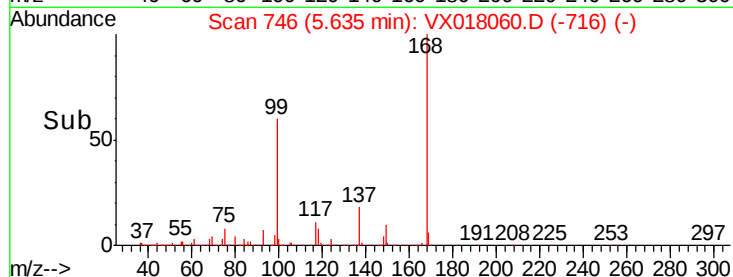
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.212 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018060.D

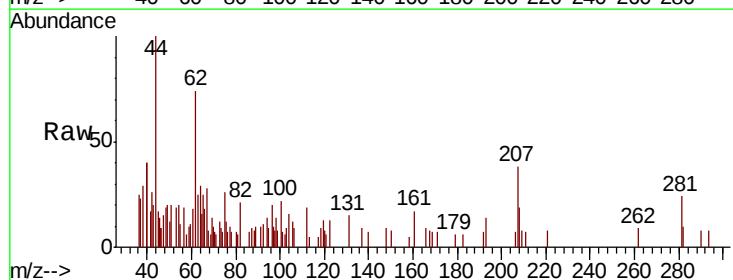
Acq: 21 Aug 2020 15:45

Tgt Ion: 62 Resp: 1830

Ion Ratio Lower Upper

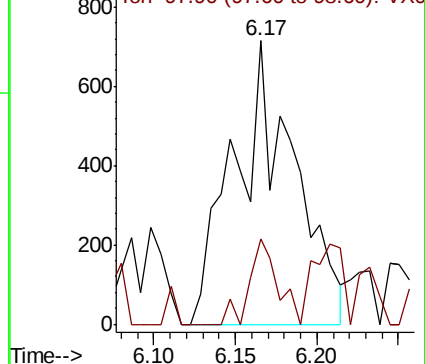
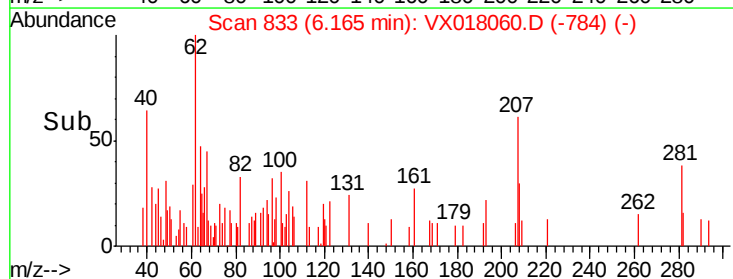
62 100

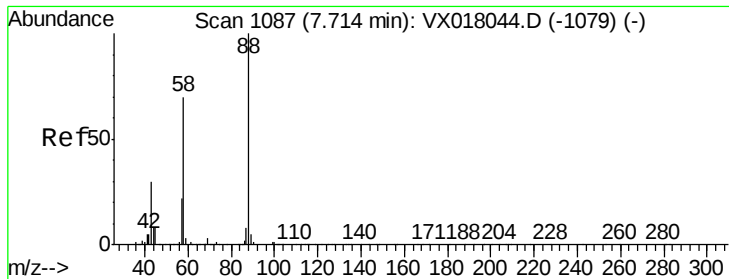
98 14.3 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 2.324 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

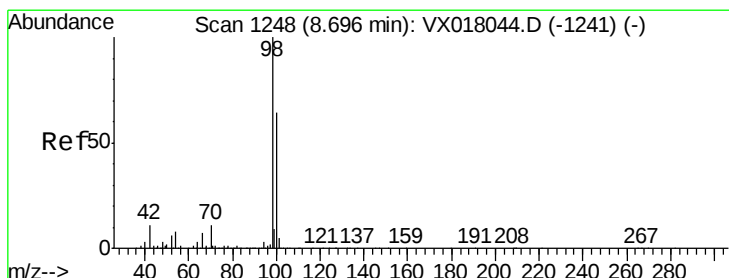
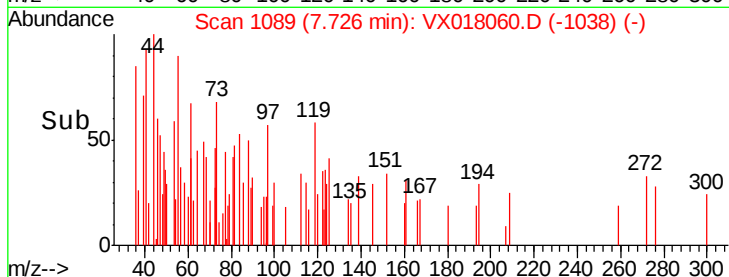
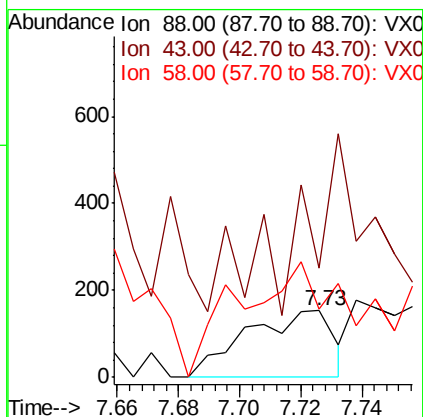
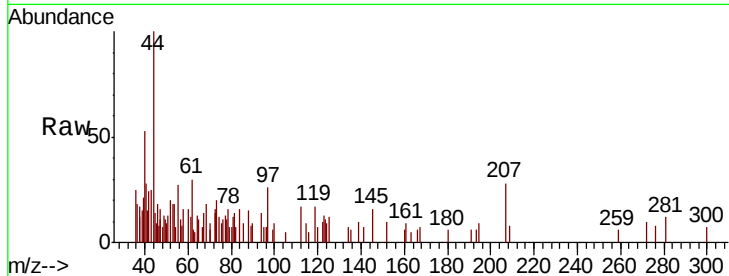
Tot Ion: 88 Resp: 302

Ion Ratio Lower Upper

88 100

43 183.8 27.4 41.0#

58 122.8 56.4 84.6#



#50

Toluene-d8

Concen: 50.852 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018060.D

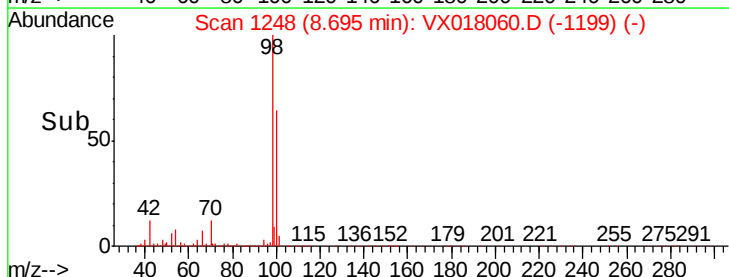
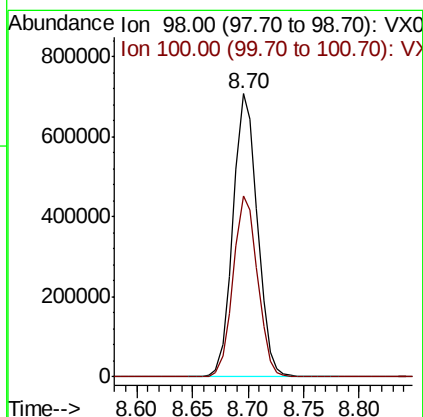
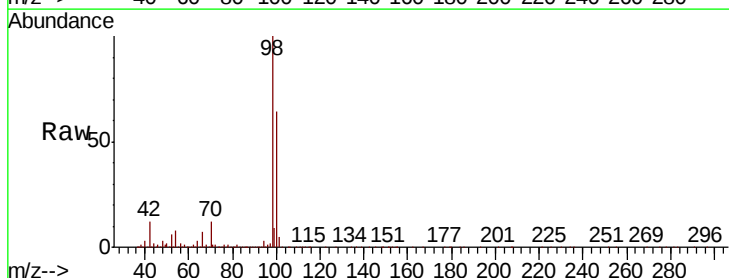
Acq: 21 Aug 2020 15:45

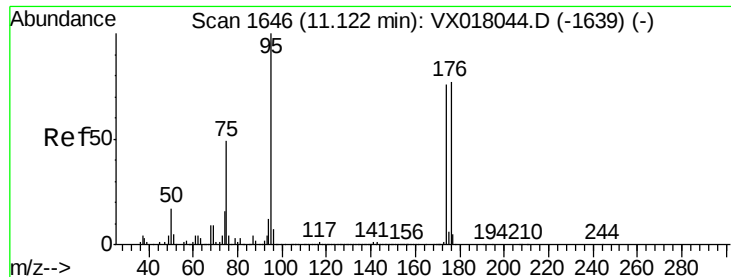
Tgt Ion: 98 Resp: 1074224

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 48.897 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

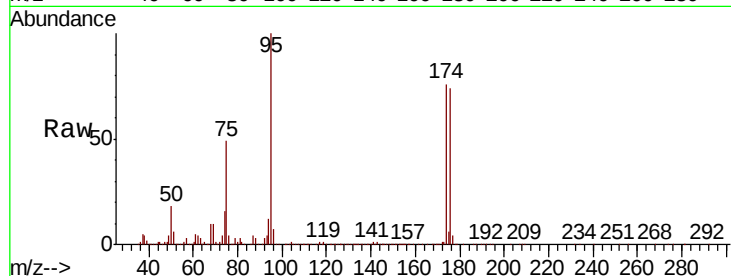
Tot Ion: 95 Resp: 406394

Ion Ratio Lower Upper

95 100

174 78.6 0.0 160.2

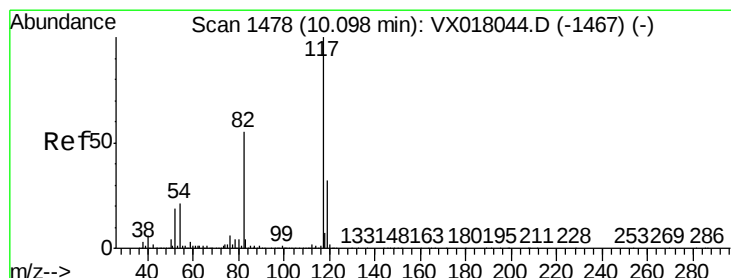
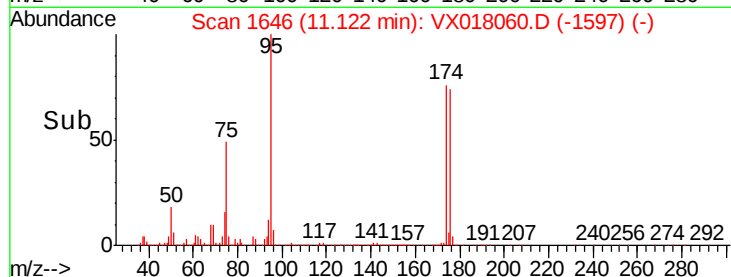
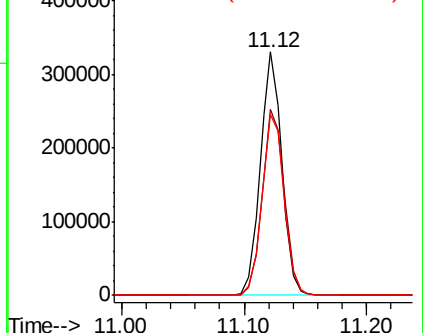
176 76.3 0.0 155.8



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: VX018060.D

Acq: 21 Aug 2020 15:45

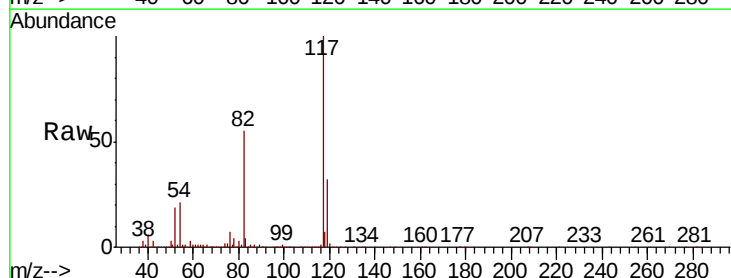
Tgt Ion: 117 Resp: 851615

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

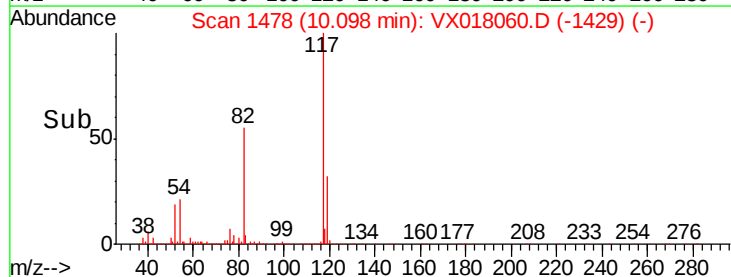
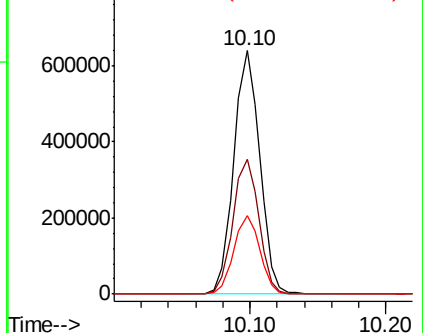
119 32.3 25.7 38.5

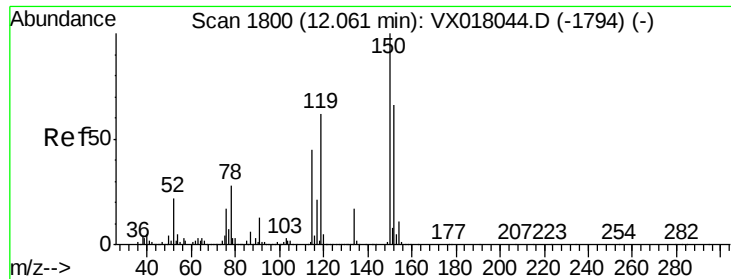


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018060.D

Acq: 21 Aug 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

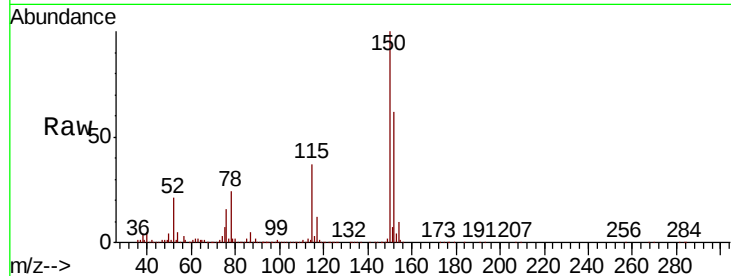
Tot Ion:152 Resp: 379291

Ion Ratio Lower Upper

152 100

115 58.1 41.5 124.5

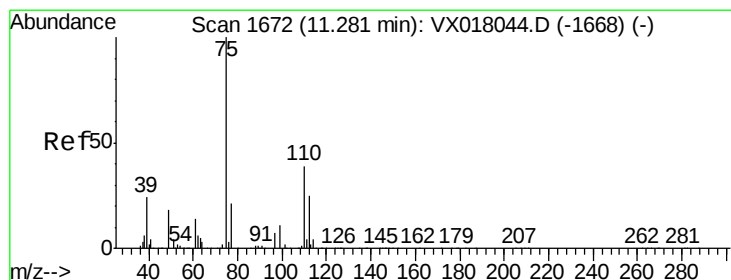
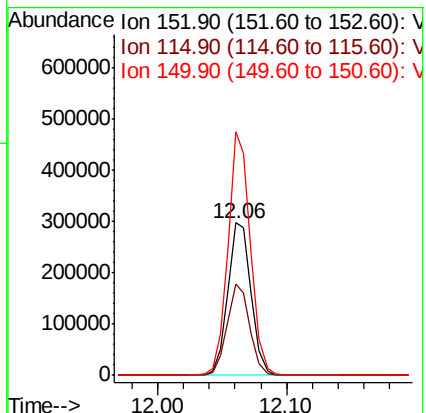
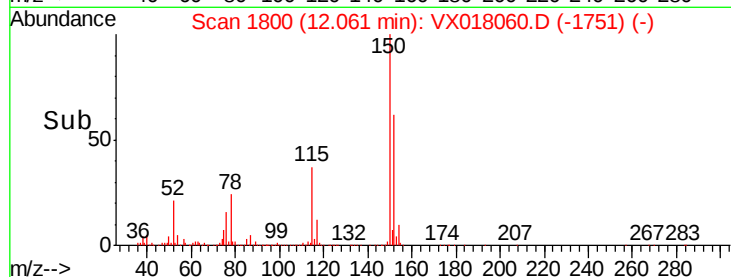
150 152.9 0.0 343.8



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: 24.010 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018060.D

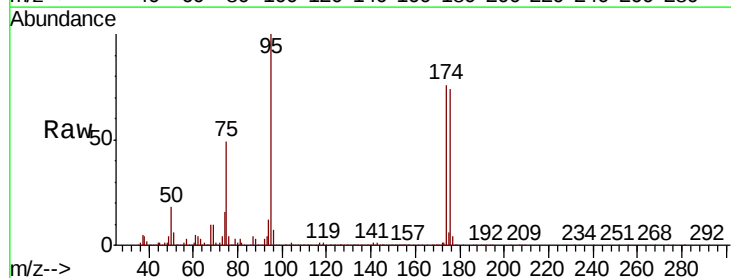
Acq: 21 Aug 2020 15:45

Tgt Ion: 75 Resp: 202580

Ion Ratio Lower Upper

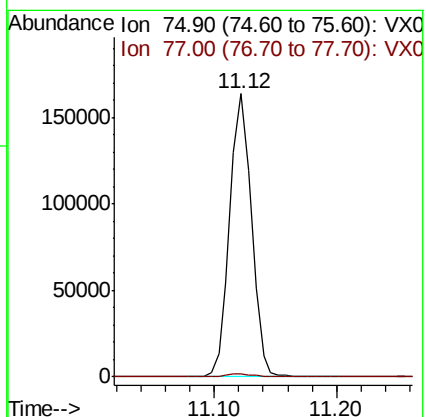
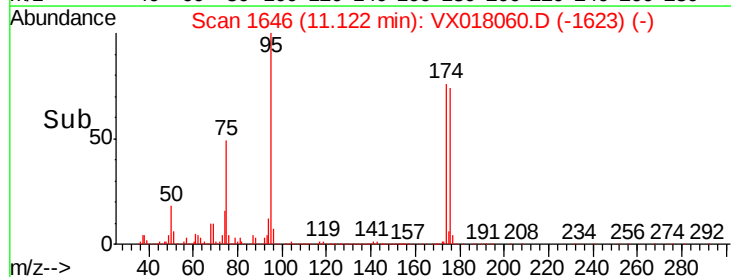
75 100

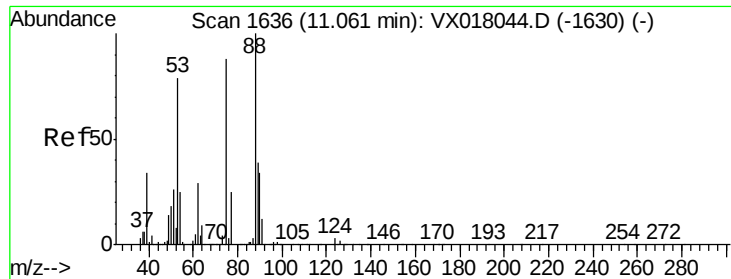
77 1.4 20.8 62.2#



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: 64.846 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018060.D
 Acq: 21 Aug 2020 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 202580
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.7 112.1#
 89 0.1 36.6 54.8#

