

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101220\
 Data File : VX018917.D
 Acq On : 12 Oct 2020 20:32
 Operator : JC/SP
 Sample : L4276-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 13 04:10:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 06:09:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	252899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	392518	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	405473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196705	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	187039	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	5.46	113	144158	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	8.70	98	493397	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.12	95	180591	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

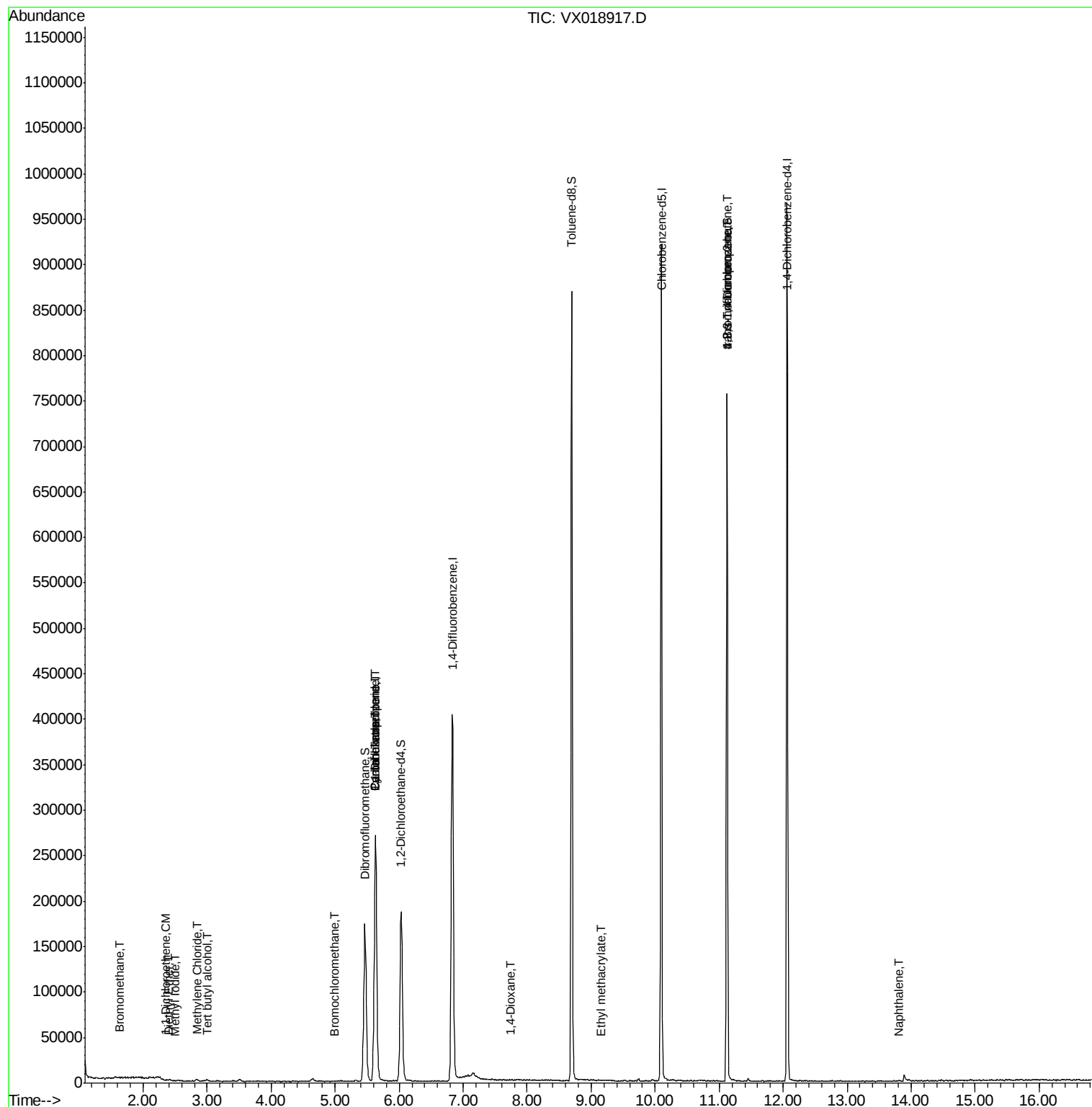
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	405	0.274	ug/l #	3
8) Diethyl Ether	2.40	74	94	1.093	ug/l	61
10) Methyl Iodide	2.50	142	25	4.000	ug/l #	34
11) Tert butyl alcohol	2.99	59	1312	2.233	ug/l #	74
12) 1,1-Dichloroethene	2.36	96	83	0.740	ug/l #	1
16) Acetone	2.42	43	1683	Below Cal		91
20) Methylene Chloride	2.83	84	853	0.821	ug/l #	78
28) Bromochloromethane	4.99	49	21	1.531	ug/l #	8
31) Cyclohexane	5.63	56	4849	1.392	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19022	4.609	ug/l #	47
38) Carbon Tetrachloride	5.62	117	24470	4.784	ug/l #	18
49) 1,4-Dioxane	7.74	88	151	3.204	ug/l #	1
56) Ethyl methacrylate	9.15	69	21	2.939	ug/l #	1
64) Tetrachloroethene	9.31	164	19	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.12	75	95459	22.523	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	95459	63.828	ug/l #	7
95) Naphthalene	13.81	128	68	3.081	ug/l #	70

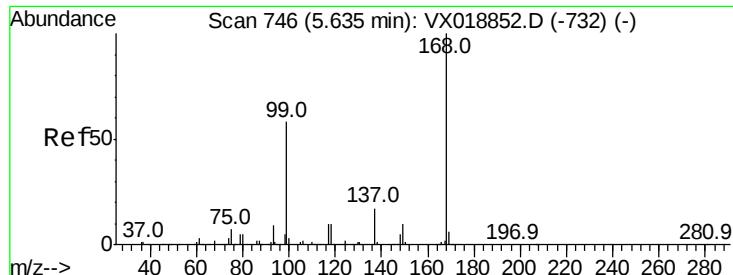
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 10 06:09:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampled :

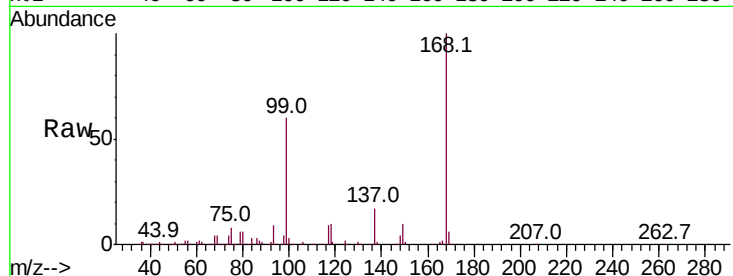
TRIP-BLANK

Tot Ion:168 Resp: 252899

Ion Ratio Lower Upper

168 100

99 60.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

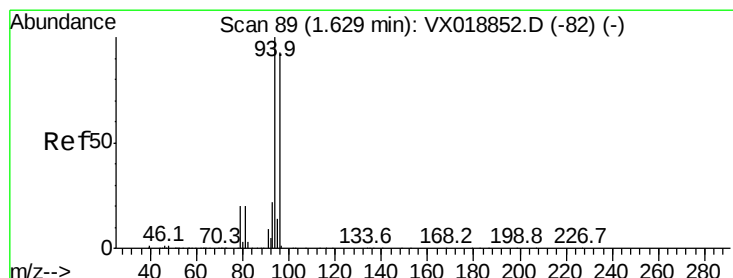
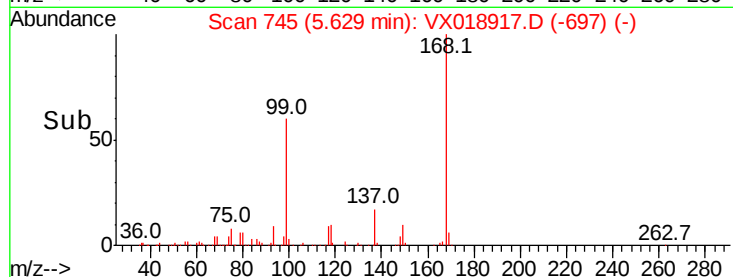
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.274 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018917.D

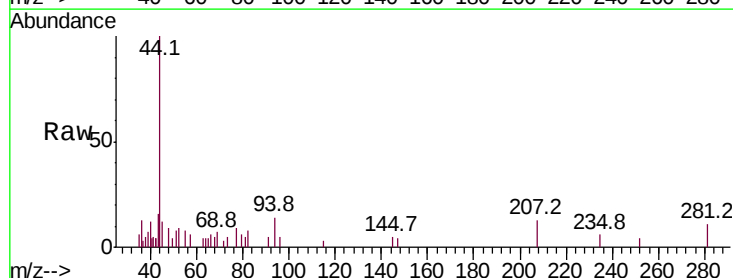
Acq: 12 Oct 2020 20:32

Tgt Ion: 94 Resp: 405

Ion Ratio Lower Upper

94 100

96 0.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

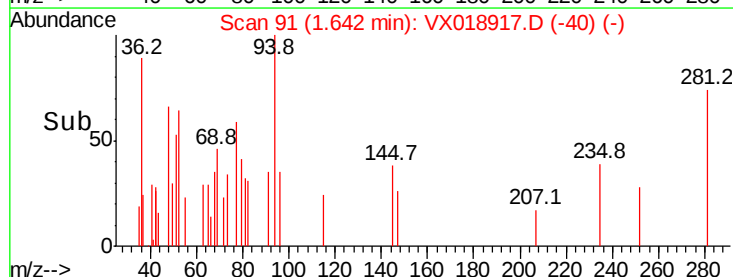
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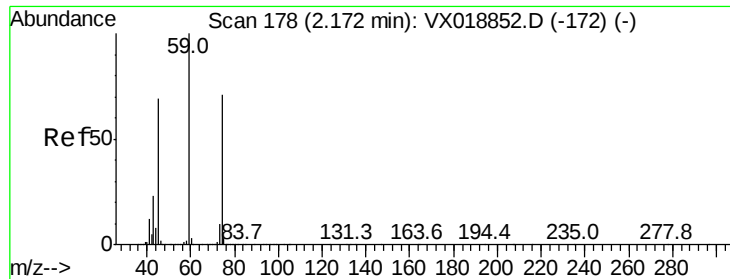
100

50

0

Time-->





#8

Diethyl Ether

Concen: 1.093 ug/l

RT: 2.40 min Scan# 216

Delta R.T. 0.23 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

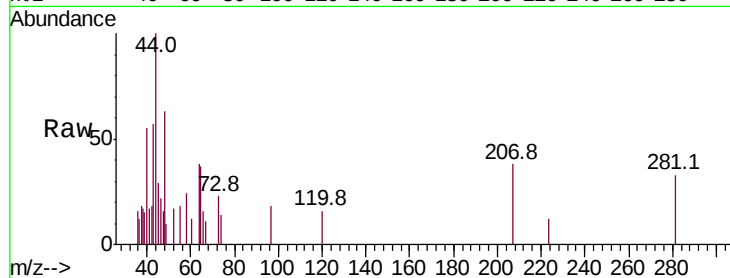
TRIP-BLANK

Tot Ion: 74 Resp: 94

Ion Ratio Lower Upper

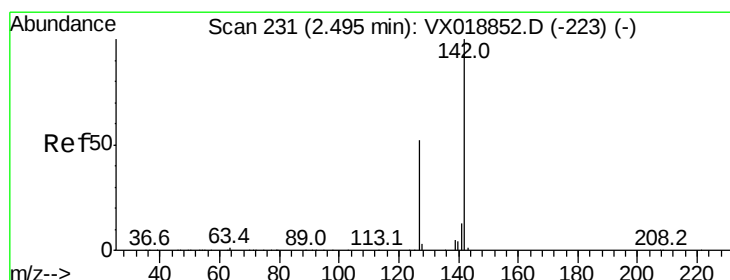
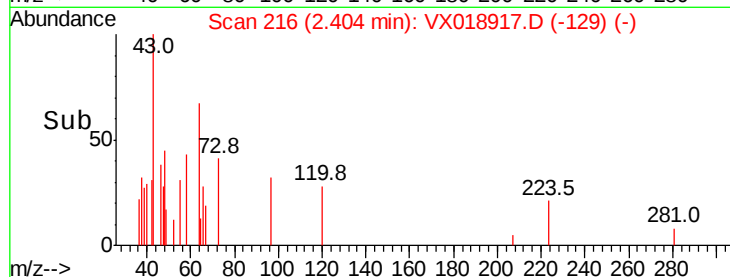
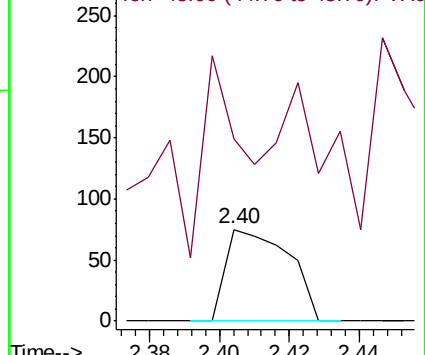
74 100

45 131.9 47.0 141.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 4.000 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

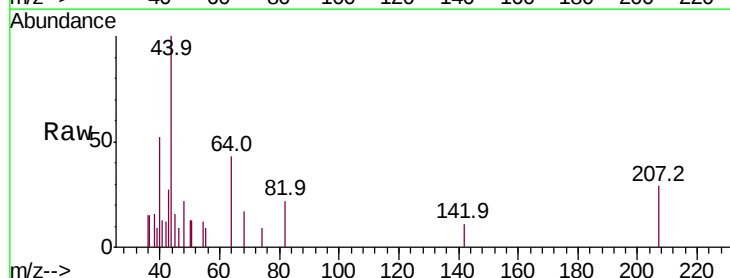
Tgt Ion: 142 Resp: 25

Ion Ratio Lower Upper

142 100

127 0.0 42.0 63.0#

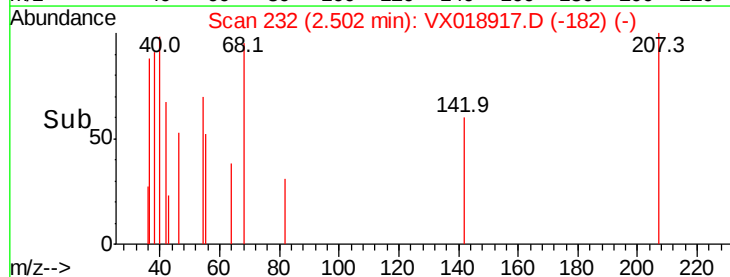
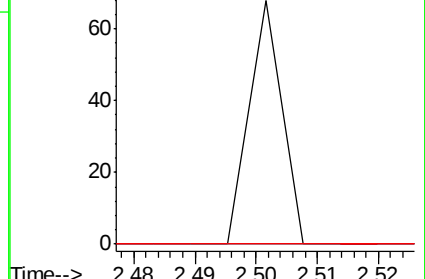
141 0.0 11.8 17.6#

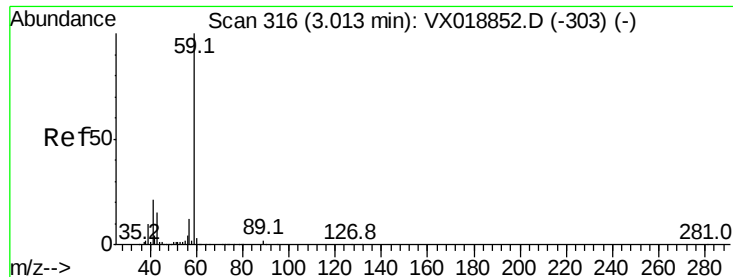


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 2.233 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

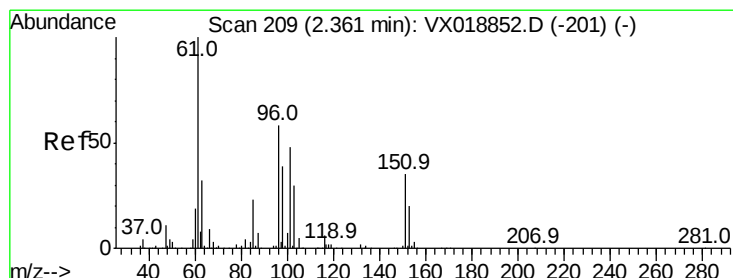
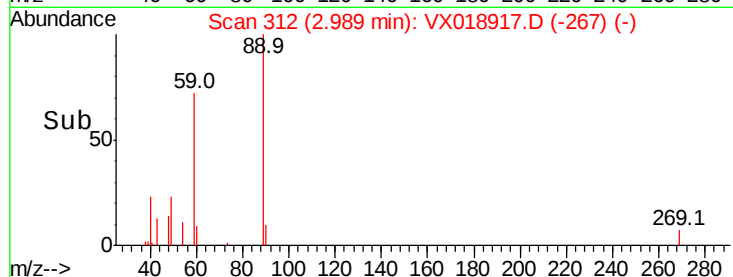
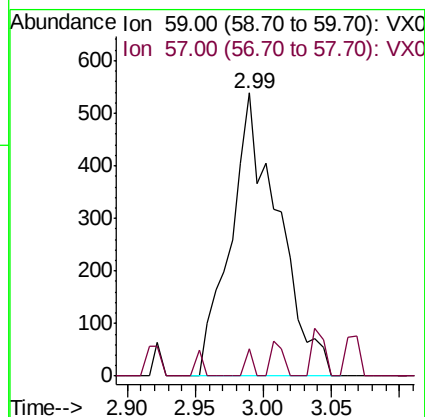
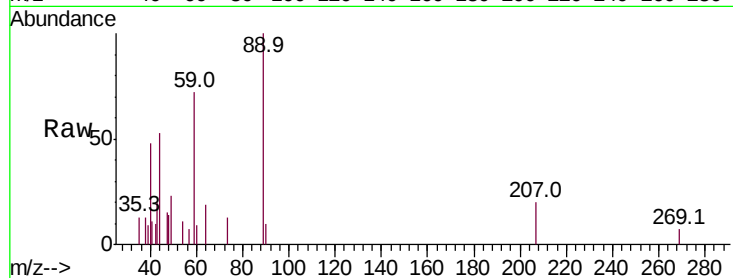
Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 59 Resp: 1312

Ion	Ratio	Lower	Upper
59	100		
57	1.4	9.0	13.6#



#12

1,1-Dichloroethene

Concen: 0.740 ug/l

RT: 2.36 min Scan# 209

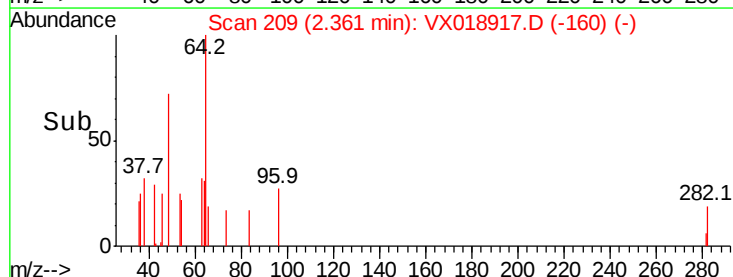
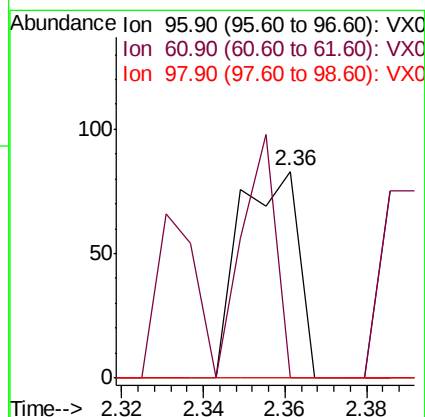
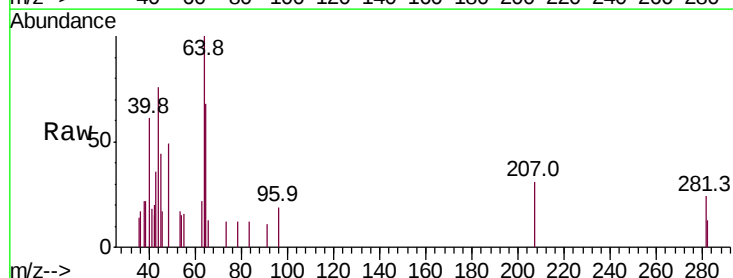
Delta R.T. 0.00 min

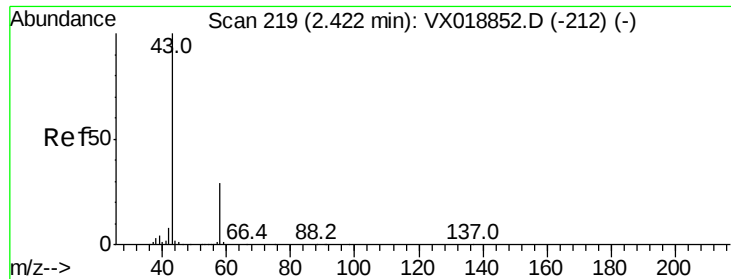
Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Tgt Ion: 96 Resp: 83

Ion	Ratio	Lower	Upper
96	100		
61	0.0	137.0	205.6#
98	0.0	53.9	80.9#

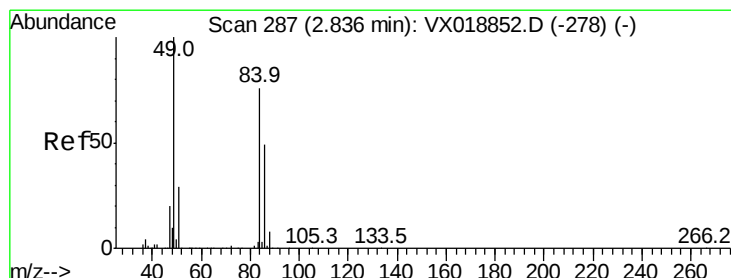
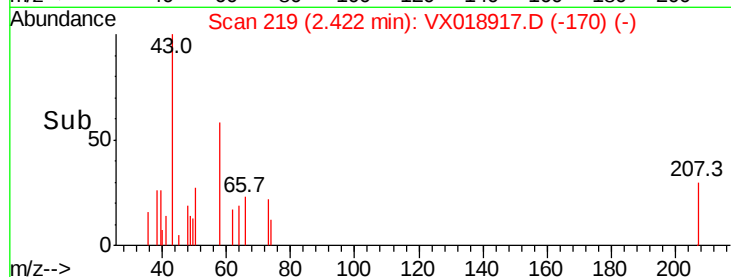
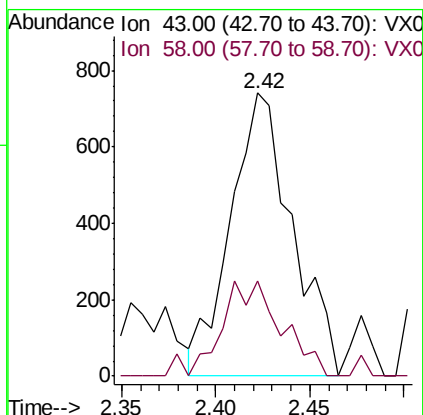
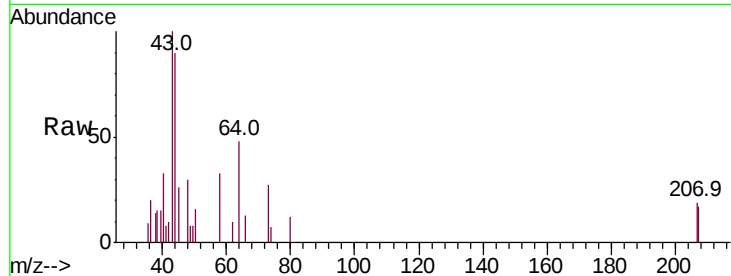




#16
Acetone
Concen: Below Cal
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX018917.D
Acq: 12 Oct 2020 20:32

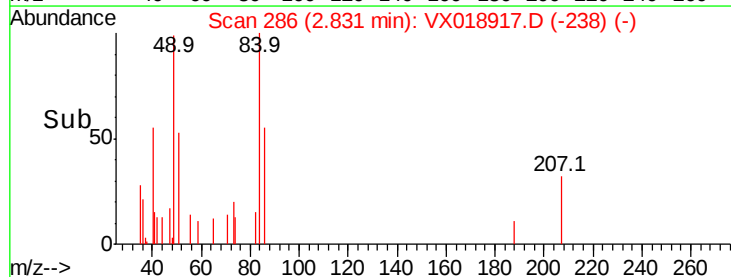
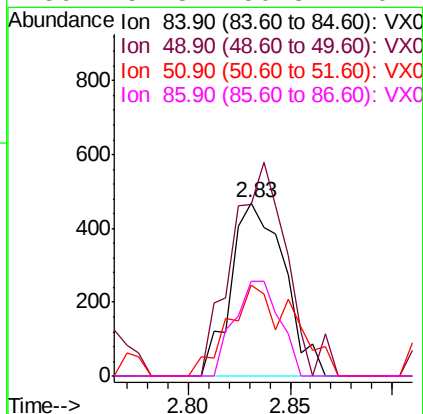
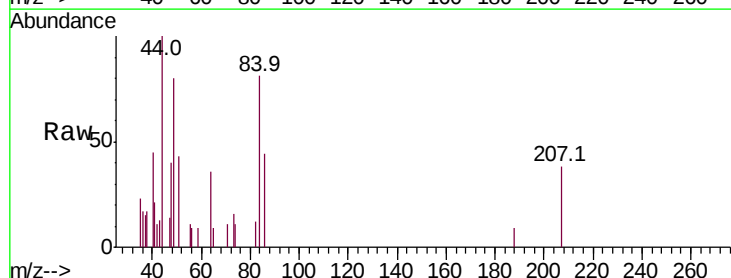
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

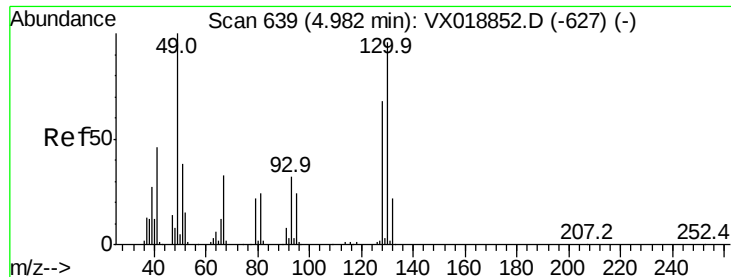
Tot Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
58 33.5 23.0 34.4



#20
Methylene Chloride
Concen: 0.821 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018917.D
Acq: 12 Oct 2020 20:32

Tgt Ion: 84 Resp: 853
Ion Ratio Lower Upper
84 100
49 99.4 104.8 157.2#
51 52.9 30.6 46.0#
86 54.8 50.8 76.2





#28

Bromochloromethane

Concen: 1.531 ug/l

RT: 4.99 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

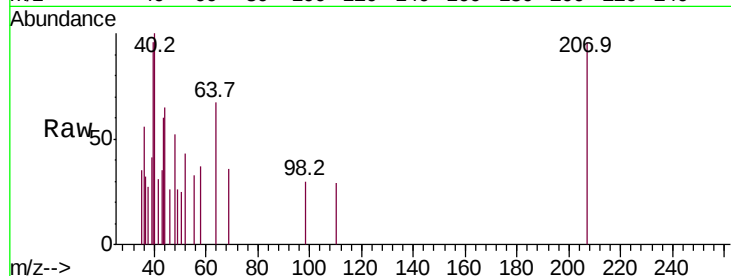
Tot Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

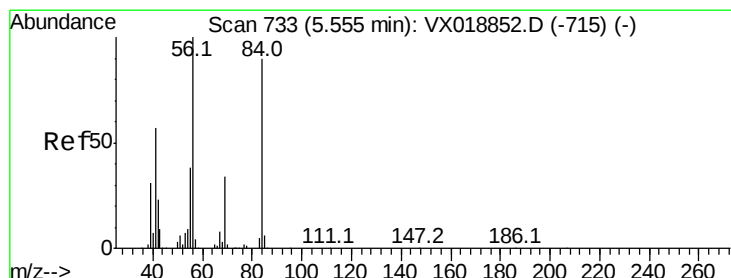
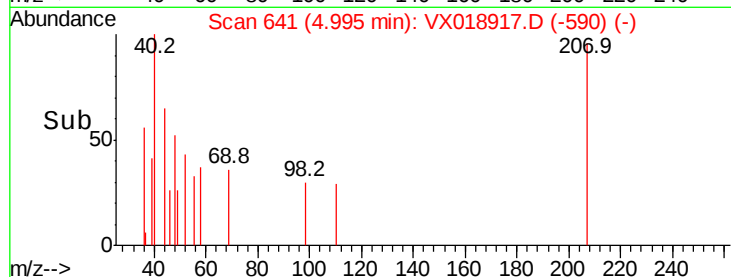
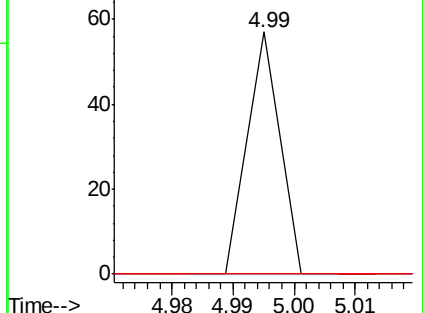
130 0.0 71.2 106.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.392 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

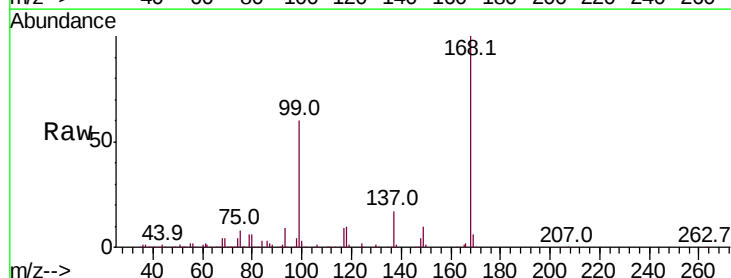
Tgt Ion: 56 Resp: 4849

Ion Ratio Lower Upper

56 100

69 217.5 27.1 40.7#

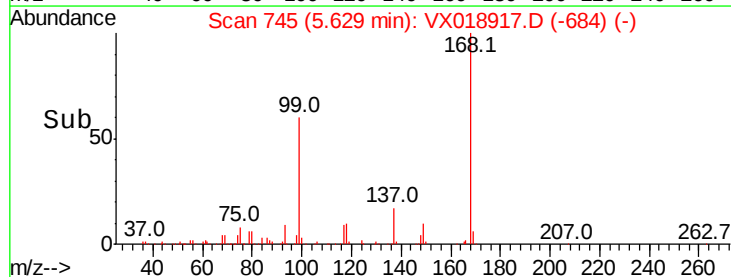
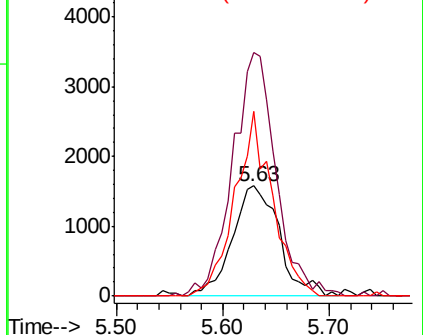
84 167.9 71.7 107.5#

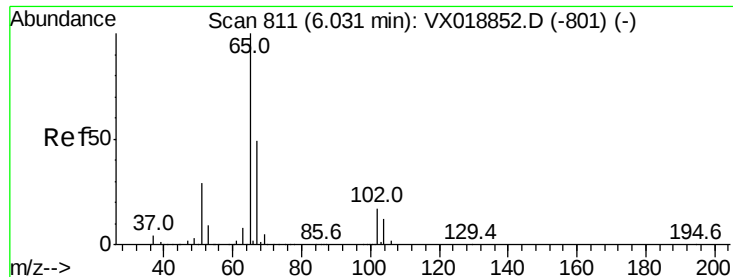


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.144 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

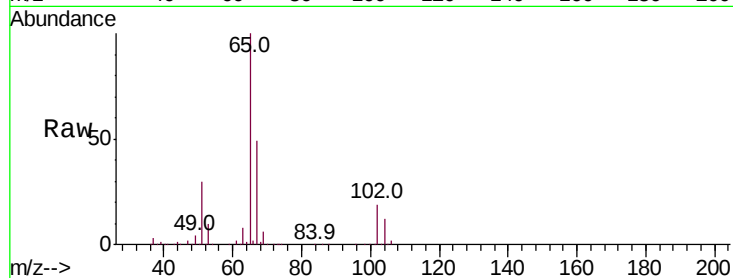
TRIP-BLANK

Tot Ion: 65 Resp: 187039

Ion Ratio Lower Upper

65 100

67 49.7 0.0 97.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

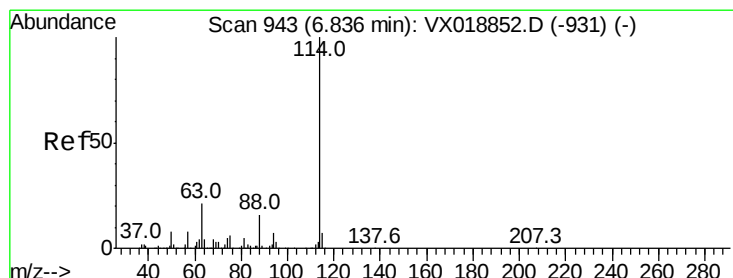
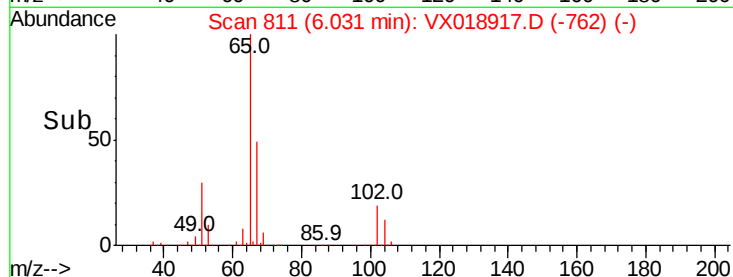
40000

20000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

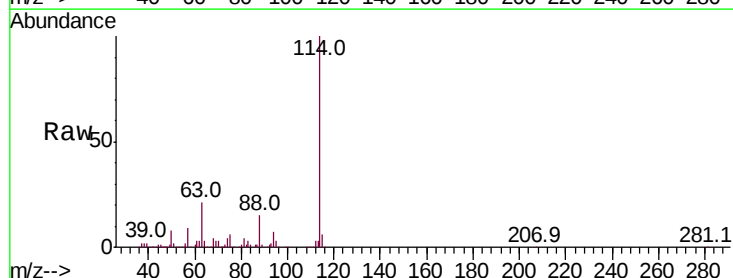
Tgt Ion:114 Resp: 392518

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.2 0.0 32.6



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

200000

150000

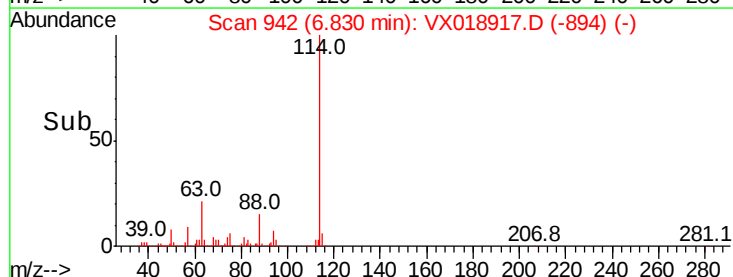
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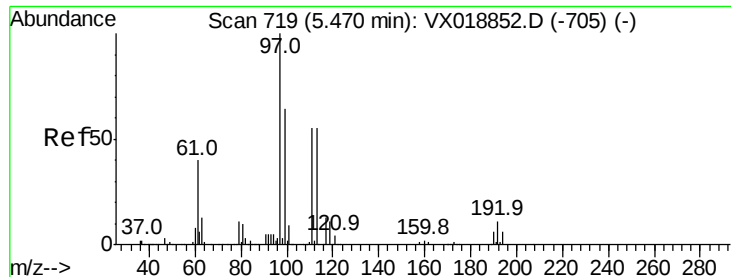
50000

0

Time-->

6.70 6.80 6.90

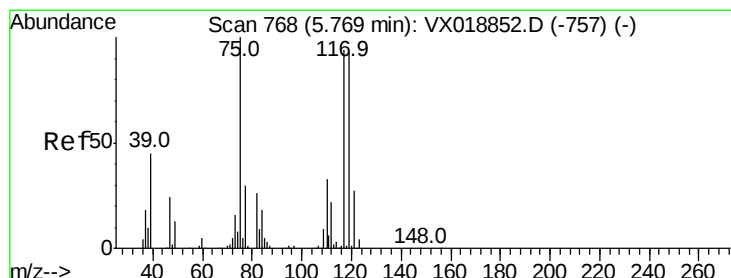
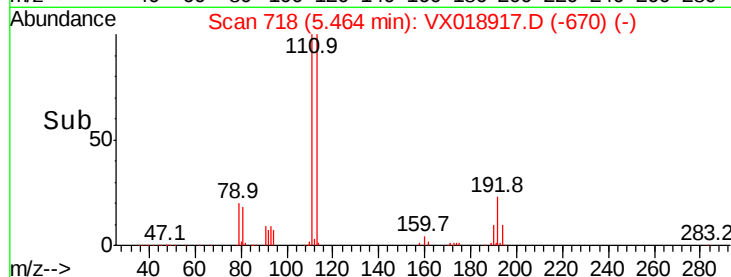
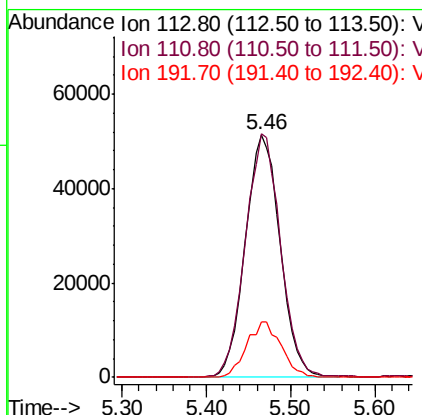
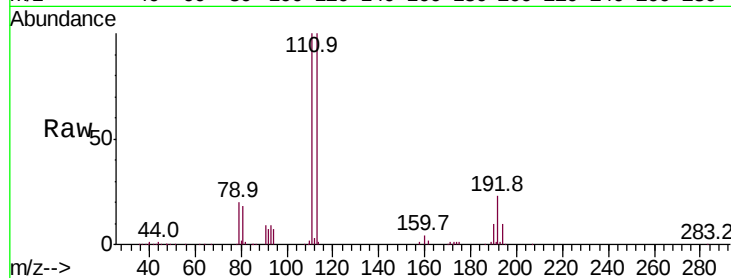




#35
 Dibromofluoromethane
 Concen: 51.534 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018917.D
 Acq: 12 Oct 2020 20:32

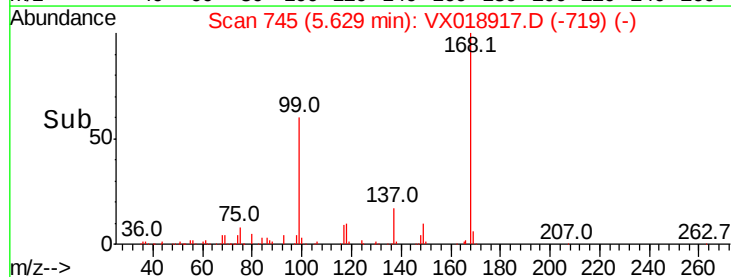
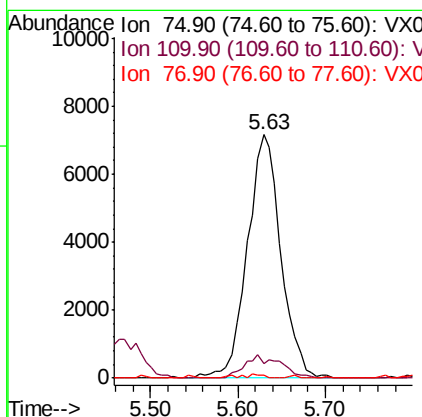
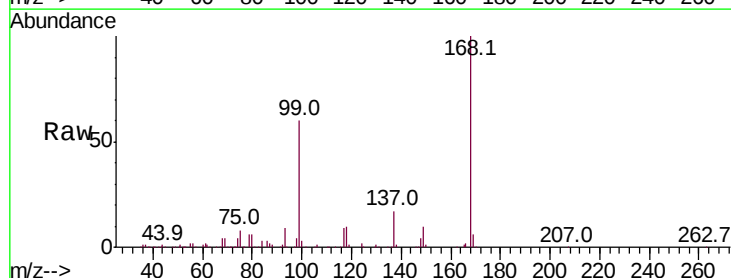
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

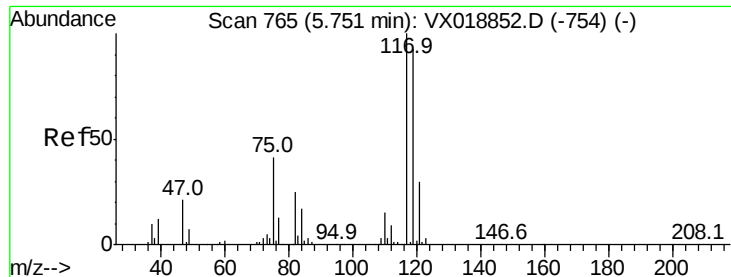
Tot Ion:113 Resp: 144158
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.1 120.1
 192 22.7 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018917.D
 Acq: 12 Oct 2020 20:32

Tgt Ion: 75 Resp: 19022
 Ion Ratio Lower Upper
 75 100
 110 5.3 17.8 53.5#
 77 0.7 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.784 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

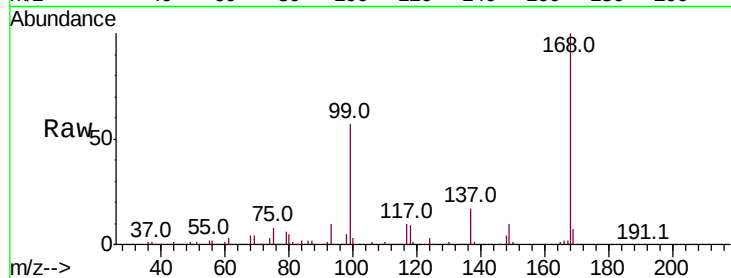
Tot Ion:117 Resp: 24470

Ion Ratio Lower Upper

117 100

119 5.5 73.9 110.9#

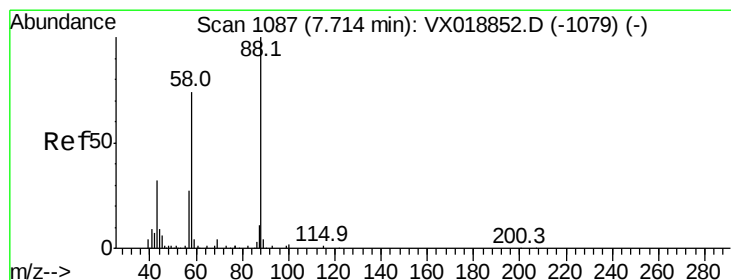
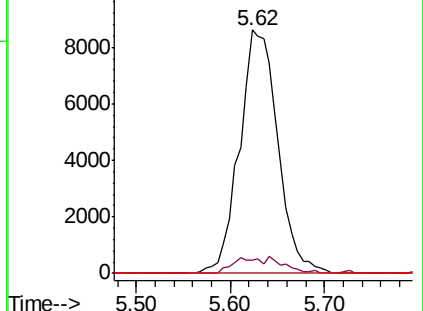
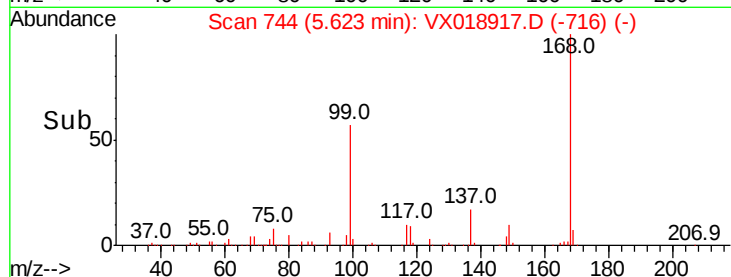
121 0.0 23.6 35.4#



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: 3.204 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

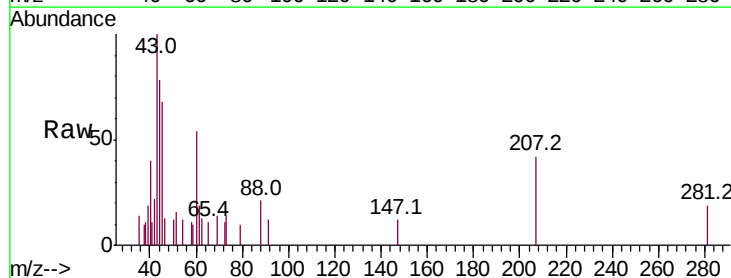
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 277.5 31.0 46.6#

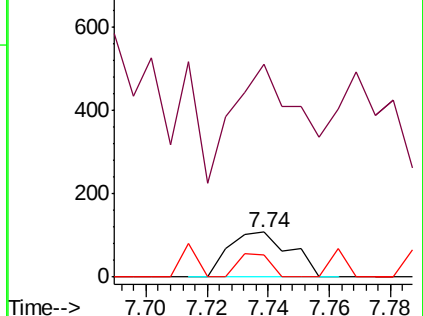
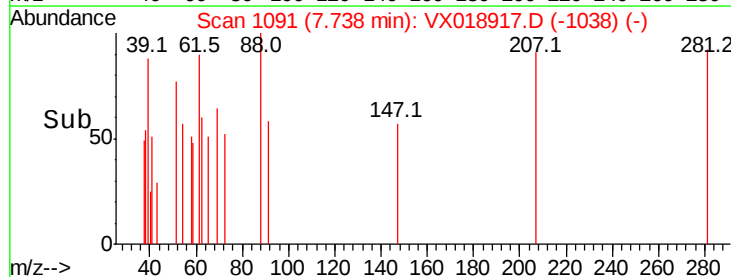
58 27.2 59.3 88.9#

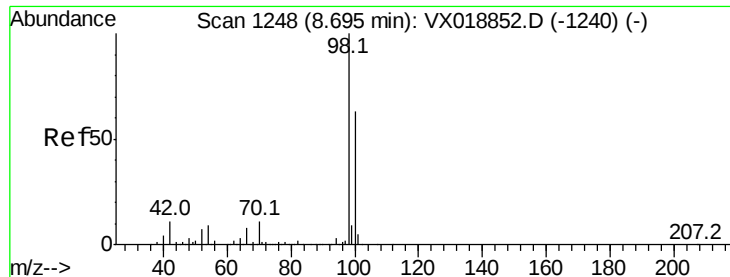


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.849 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

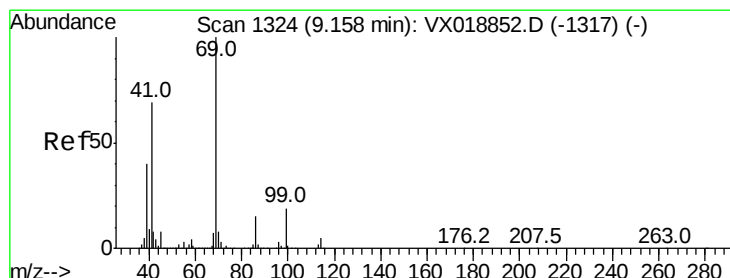
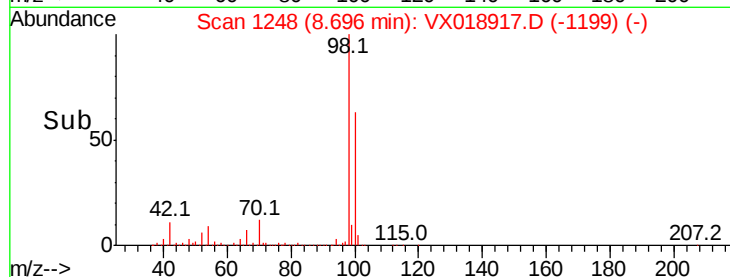
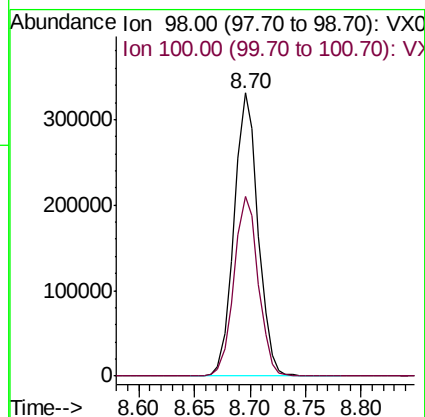
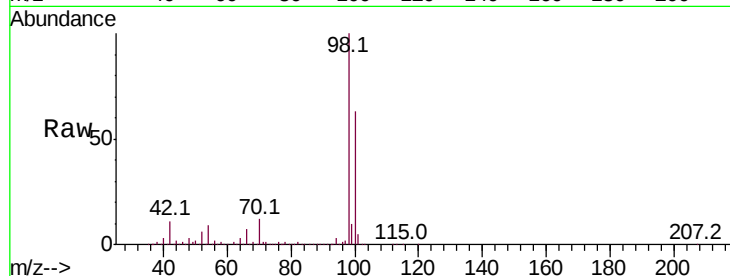
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Tot Ion: 98 Resp: 493397

Ion Ratio Lower Upper

98 100

100 64.3 53.1 79.7



#56

Ethyl methacrylate

Concen: 2.939 ug/l

RT: 9.15 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

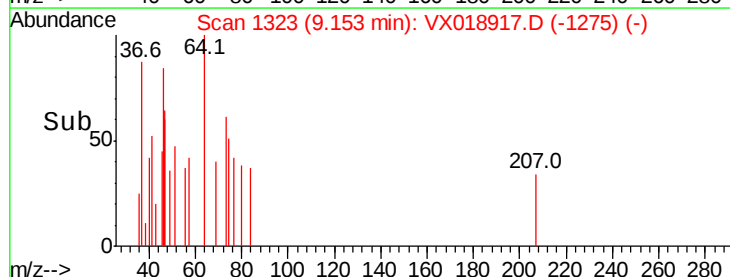
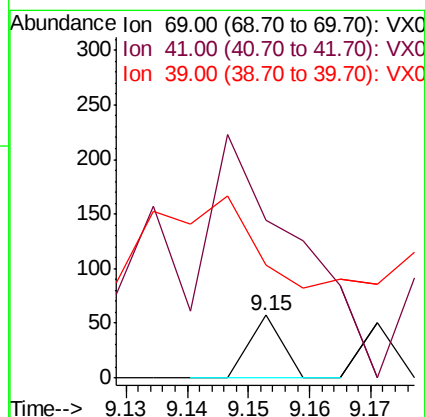
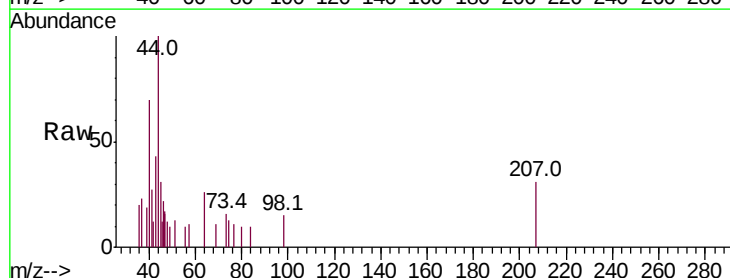
Tgt Ion: 69 Resp: 21

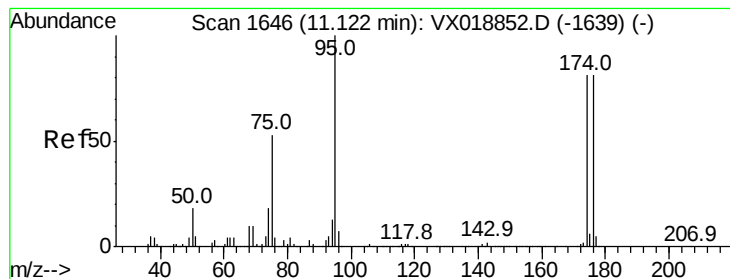
Ion Ratio Lower Upper

69 100

41 1761.9 54.6 81.8#

39 1276.2 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 46.697 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

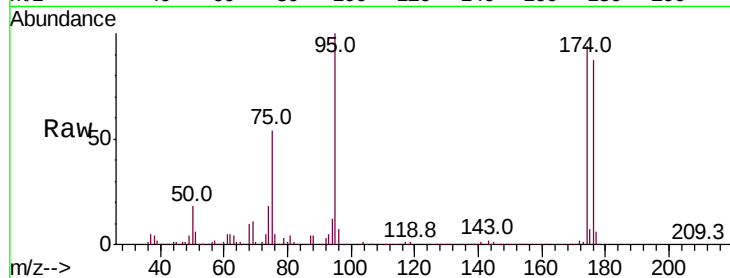
Tot Ion: 95 Resp: 180591

Ion Ratio Lower Upper

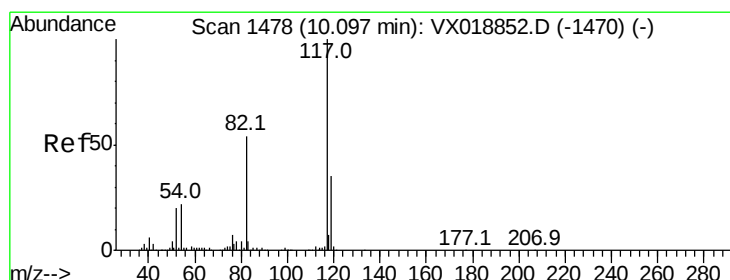
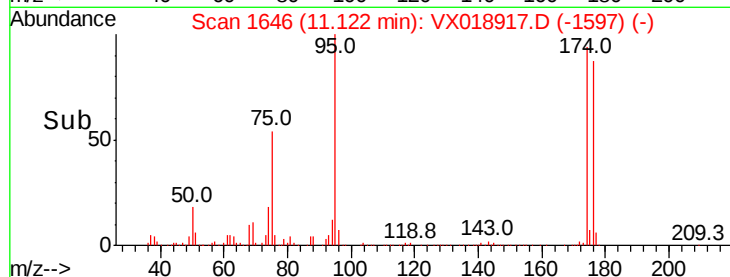
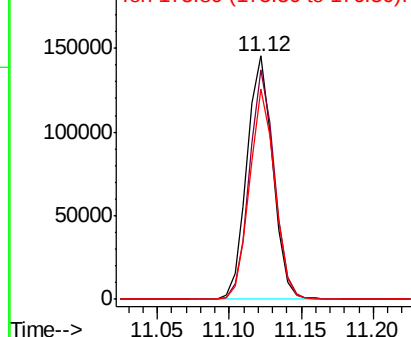
95 100

174 91.1 0.0 160.0

176 83.7 0.0 161.2



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: VX018917.D

Acq: 12 Oct 2020 20:32

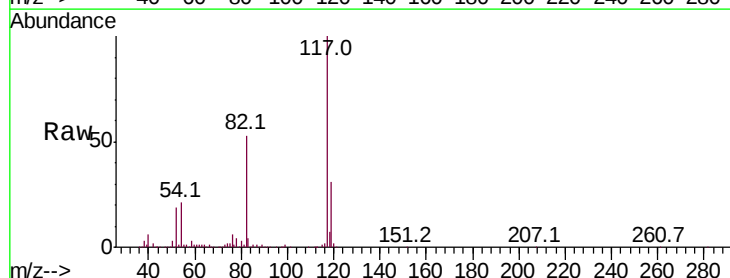
Tgt Ion: 117 Resp: 405473

Ion Ratio Lower Upper

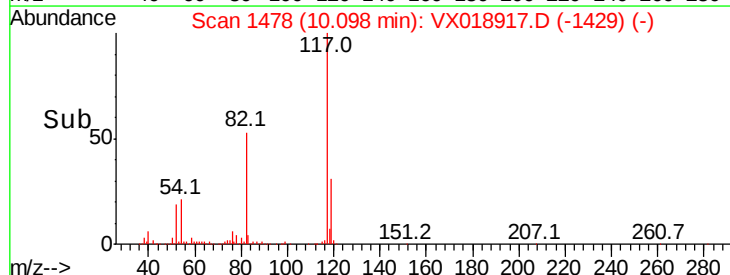
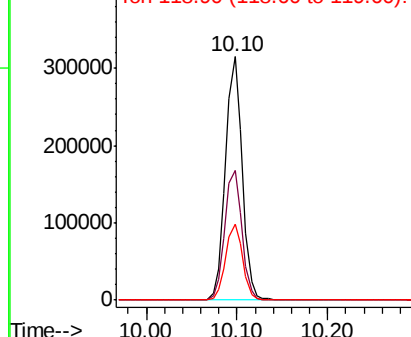
117 100

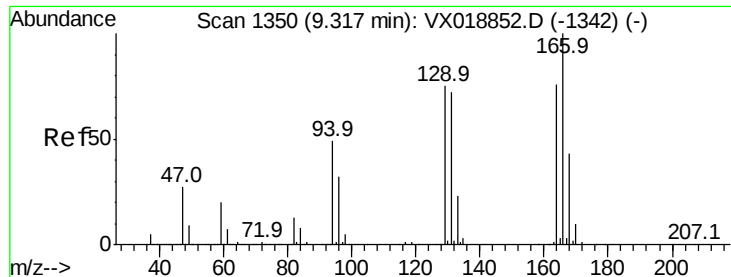
82 53.5 43.4 65.2

119 31.1 28.3 42.5



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





#64

Tetrachloroethene

Concen: Below Cal

RT: 9.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion:164 Resp: 19

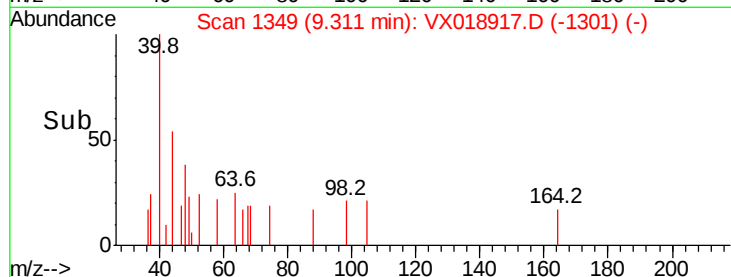
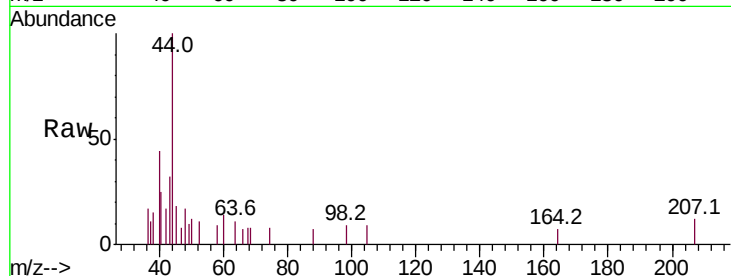
Ion Ratio Lower Upper

164 100

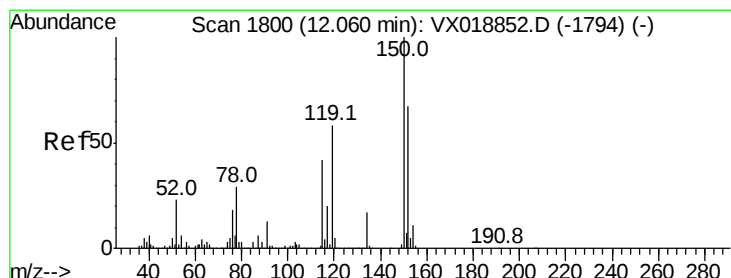
166 0.0 105.4 158.0#

129 0.0 79.0 118.6#

131 0.0 75.7 113.5#



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

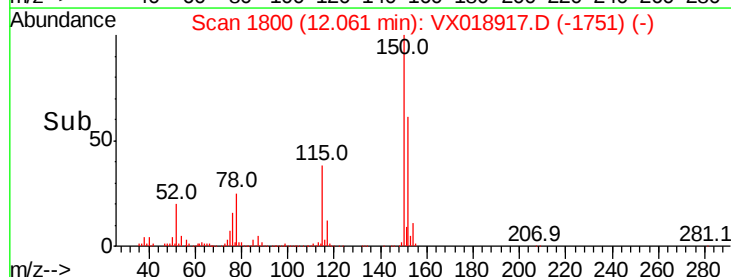
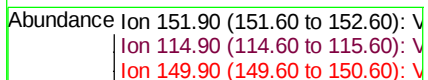
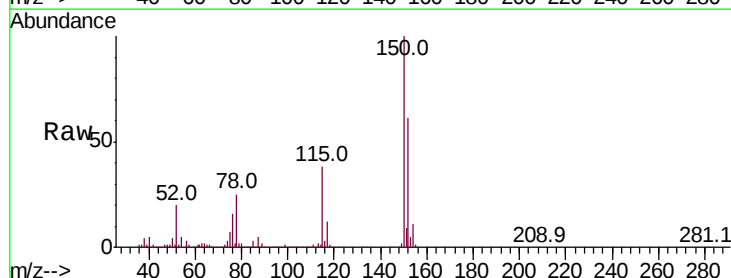
Tgt Ion:152 Resp: 196705

Ion Ratio Lower Upper

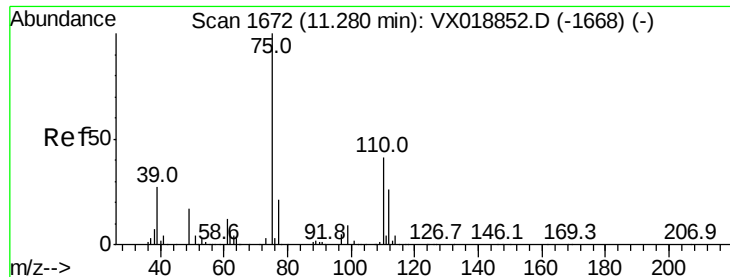
152 100

115 59.2 41.8 125.4

150 161.3 0.0 347.6



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.523 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

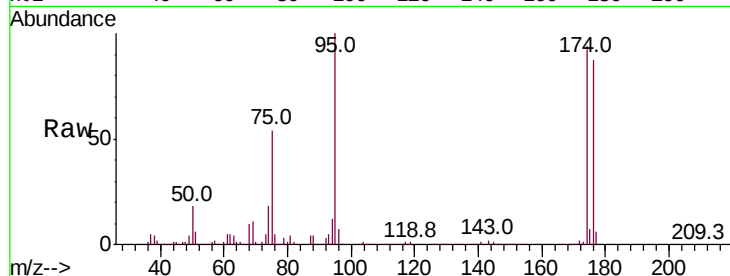
TRIP-BLANK

Tot Ion: 75 Resp: 95459

Ion Ratio Lower Upper

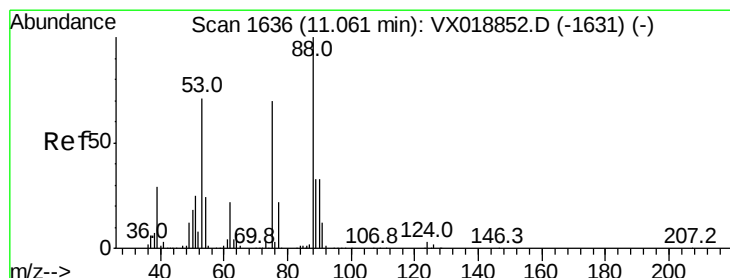
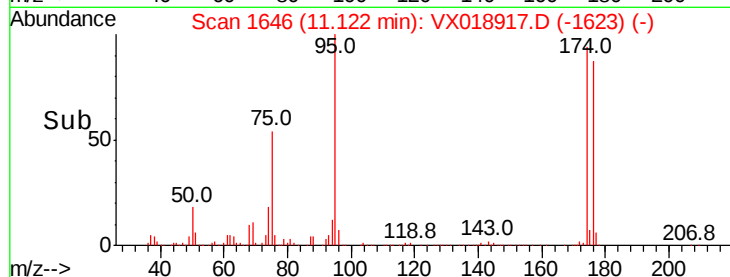
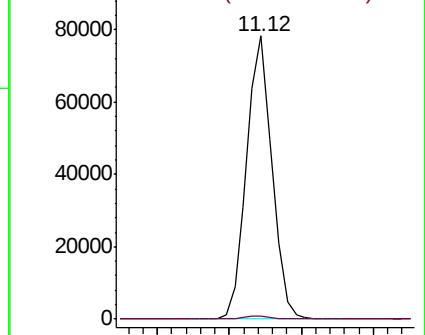
75 100

77 1.1 20.2 60.6#



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: 63.828 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018917.D

Acq: 12 Oct 2020 20:32

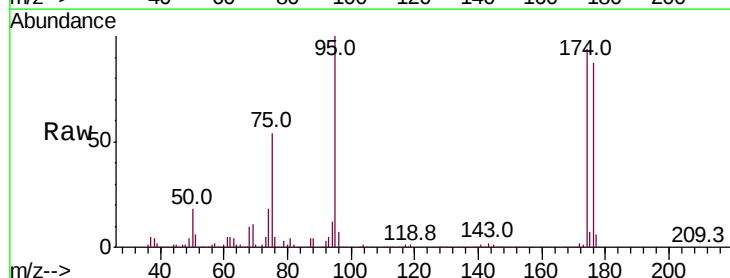
Tgt Ion: 75 Resp: 95459

Ion Ratio Lower Upper

75 100

53 0.4 85.0 127.4#

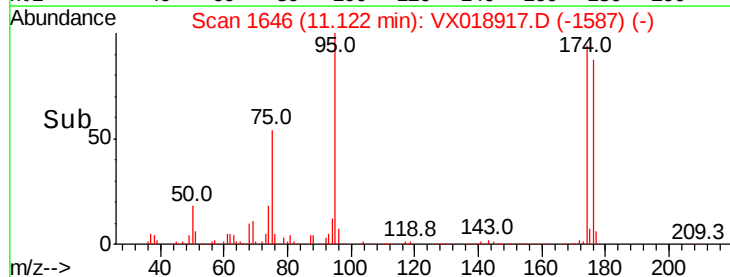
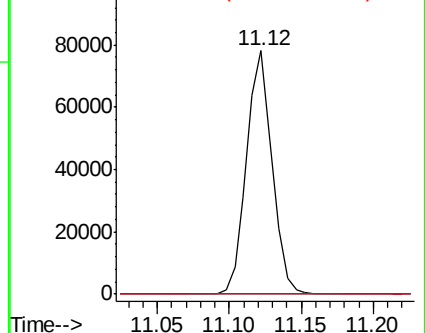
89 0.0 39.0 58.4#

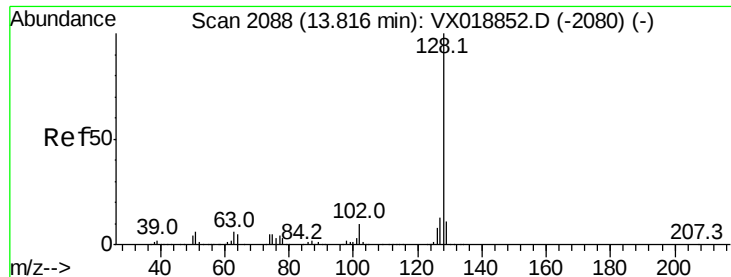


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 3.081 ug/l
RT: 13.81 min Scan# 2087
Delta R.T. -0.01 min
Lab File: VX018917.D
Acq: 12 Oct 2020 20:32

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.6	13.0#

