

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100920\
 Data File : VX018863.D
 Acq On : 09 Oct 2020 18:30
 Operator : JC/SP
 Sample : L4336-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Oct 10 06:20:02 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	212311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	341742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	326109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	157453	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	158207	50.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.04%	
35) Dibromofluoromethane	5.46	113	122761	50.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.82%	
50) Toluene-d8	8.70	98	414361	49.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.12	95	155804	46.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.54%	

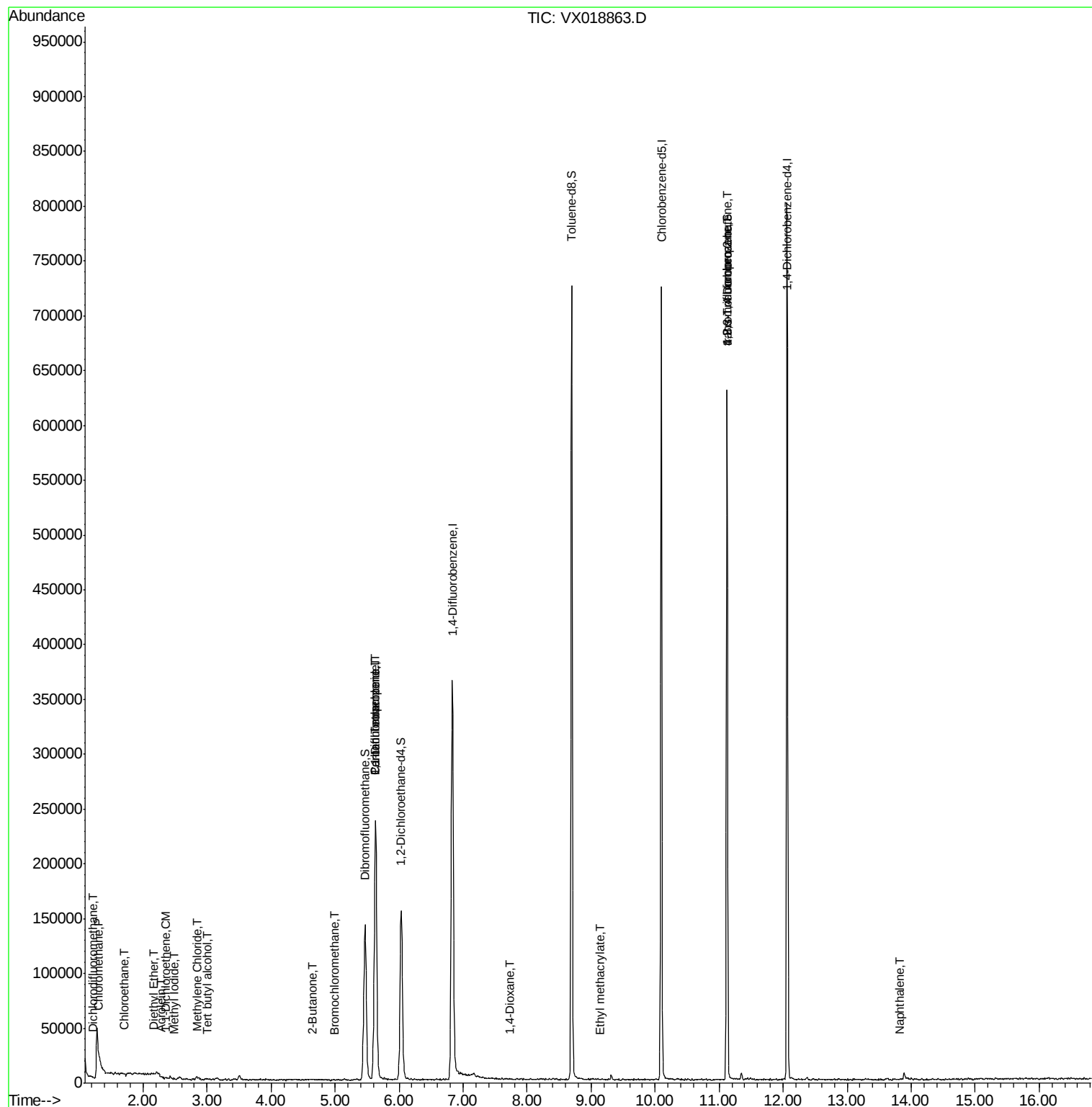
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	25	1.628	ug/l #	43
3) Chloromethane	1.31	50	1159	0.582	ug/l #	42
6) Chloroethane	1.72	64	496	0.333	ug/l #	44
8) Diethyl Ether	2.18	74	60	1.078	ug/l #	1
10) Methyl Iodide	2.49	142	52	4.013	ug/l #	34
11) Tert butyl alcohol	3.00	59	405	0.821	ug/l #	14
12) 1,1-Dichloroethene	2.36	96	170	0.790	ug/l #	51
13) Acrolein	2.28	56	187	0.456	ug/l #	13
16) Acetone	2.42	43	2550	Below Cal		91
20) Methylene Chloride	2.84	84	1107	0.994	ug/l #	66
25) 2-Butanone	4.65	43	459	0.271	ug/l #	50
28) Bromochloromethane	4.99	49	41	1.543	ug/l #	66
36) 1,1-Dichloropropene	5.63	75	17767	4.945	ug/l #	52
38) Carbon Tetrachloride	5.63	117	23213	5.212	ug/l #	19
49) 1,4-Dioxane	7.73	88	59	1.438	ug/l #	1
56) Ethyl methacrylate	9.14	69	97	2.958	ug/l #	1
64) Tetrachloroethene	9.32	164	54	Below Cal	#	33
76) 1,2,3-Trichloropropane	11.12	75	83189	24.521	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	83189	69.490	ug/l #	8
95) Naphthalene	13.82	128	519	3.123	ug/l #	70

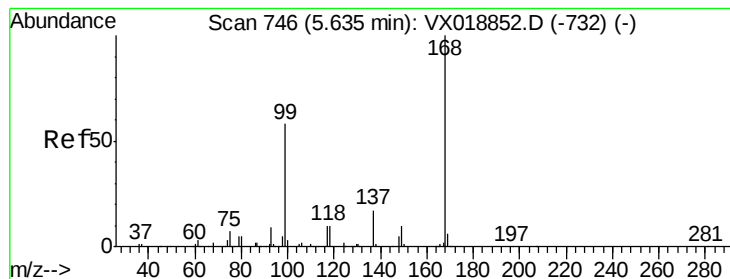
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
Quant Title : SW846 8260
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: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

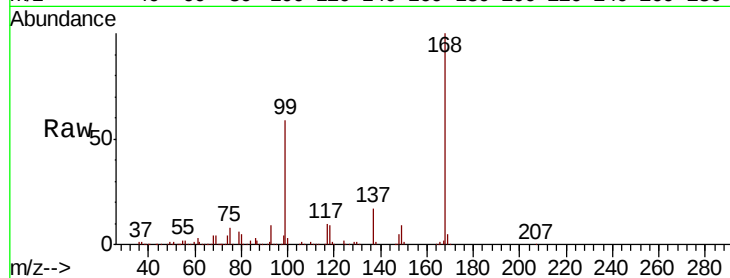
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 212311

Ion Ratio Lower Upper

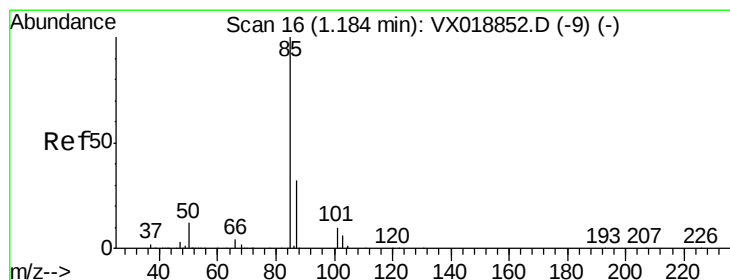
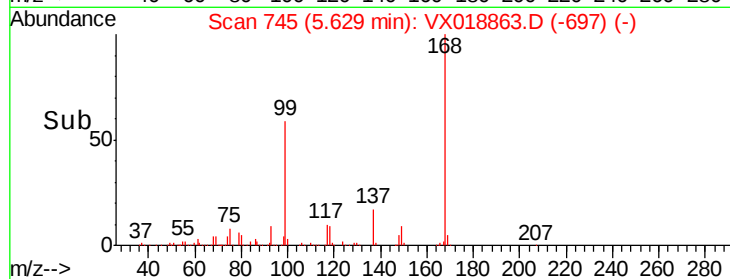
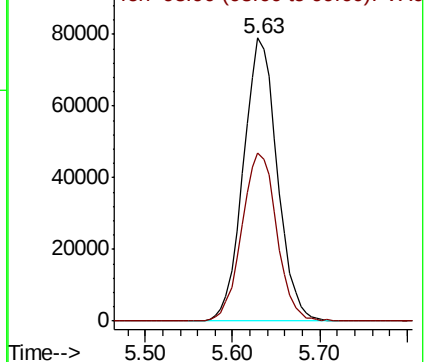
168 100

99 59.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.628 ug/l

RT: 1.21 min Scan# 20

Delta R.T. 0.03 min

Lab File: VX018863.D

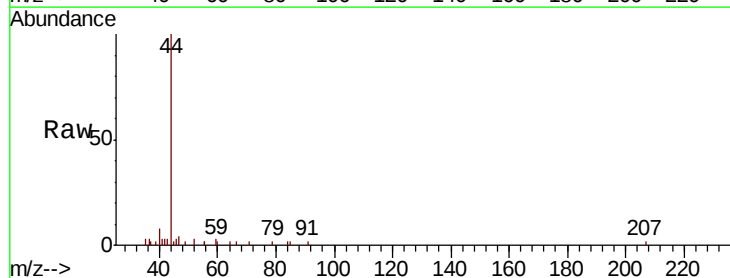
Acq: 09 Oct 2020 18:30

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

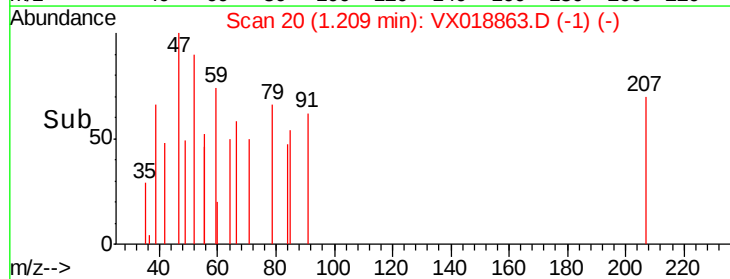
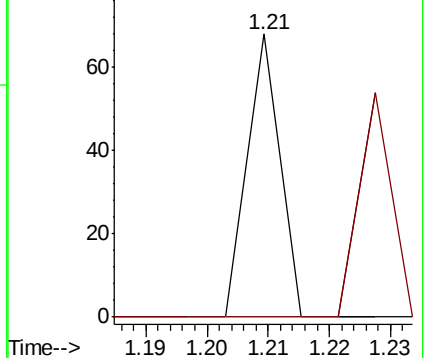
85 100

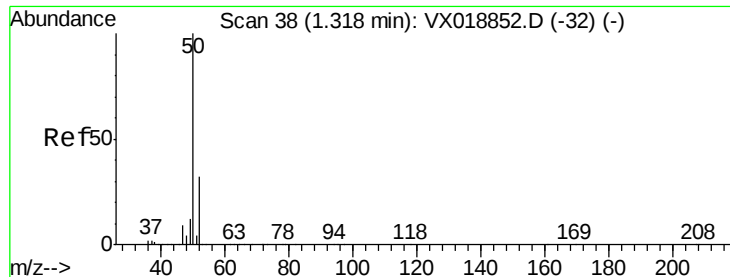
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.582 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

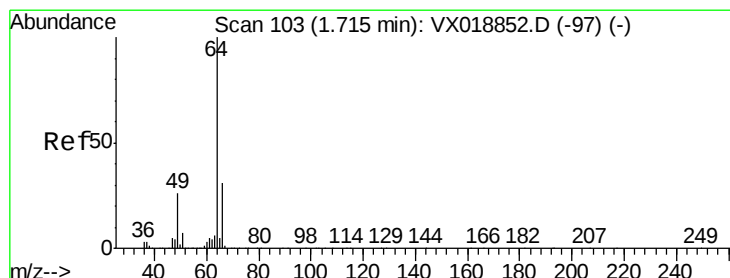
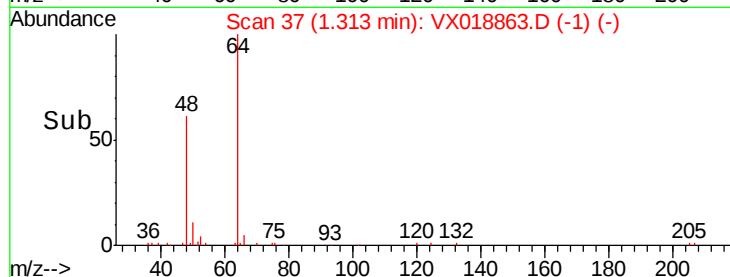
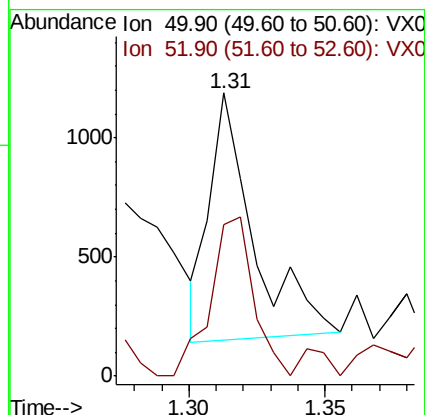
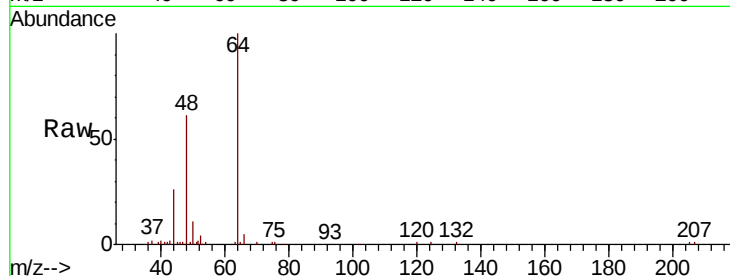
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 50 Resp: 1159

Ion Ratio Lower Upper

50 100

52 63.4 25.2 37.8#



#6

Chloroethane

Concen: 0.333 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018863.D

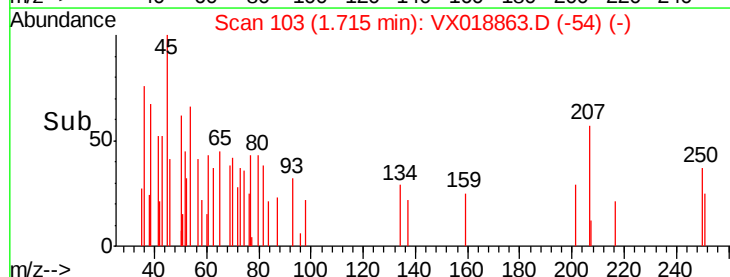
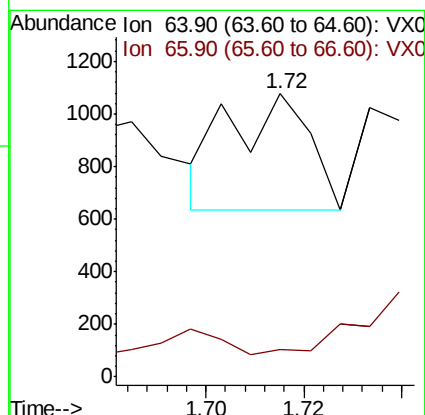
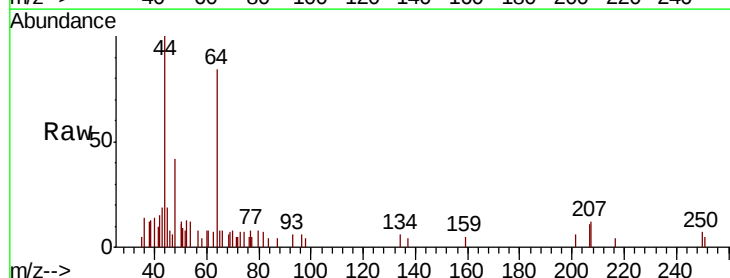
Acq: 09 Oct 2020 18:30

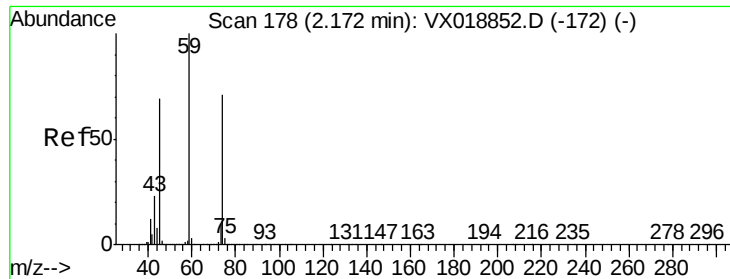
Tgt Ion: 64 Resp: 496

Ion Ratio Lower Upper

64 100

66 0.0 24.7 37.1#





#8

Diethyl Ether

Concen: 1.078 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

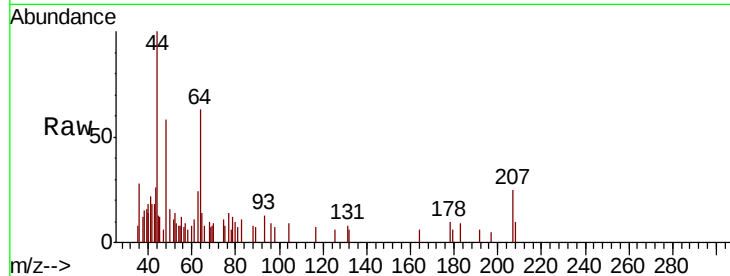
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 74 Resp: 60

Ion Ratio Lower Upper

74 100

45 566.7 47.0 141.2#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

300

200

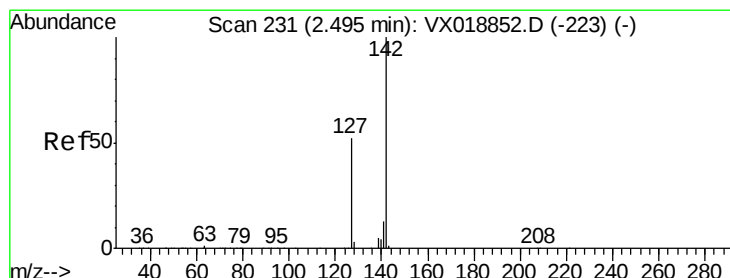
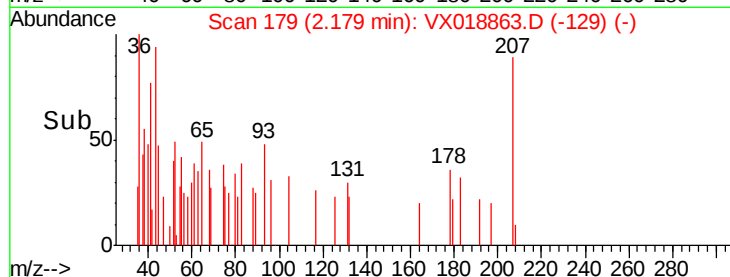
100

0

2.16 2.17 2.18 2.19

2.18

Time-->



#10

Methyl Iodide

Concen: 4.013 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

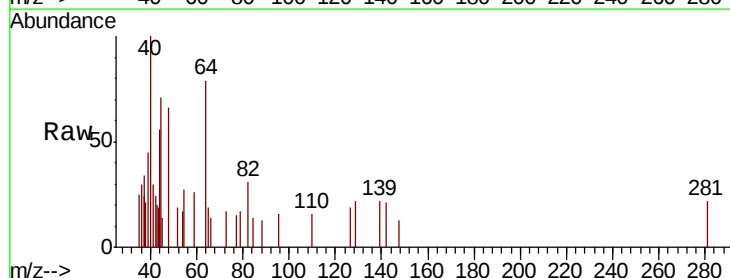
Tgt Ion: 142 Resp: 52

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

150

100

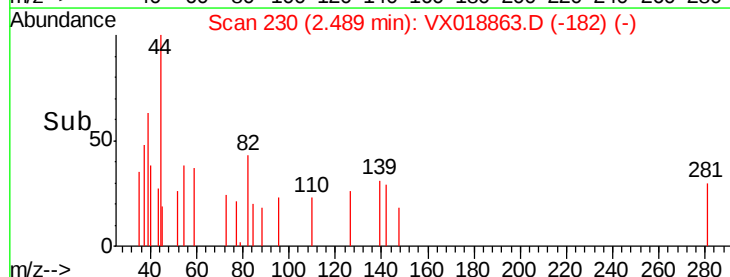
50

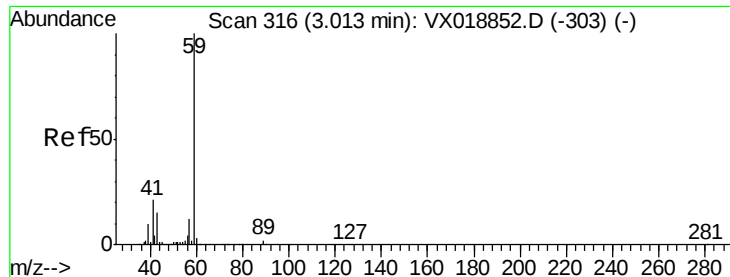
0

2.46 2.48 2.50

2.49

Time-->



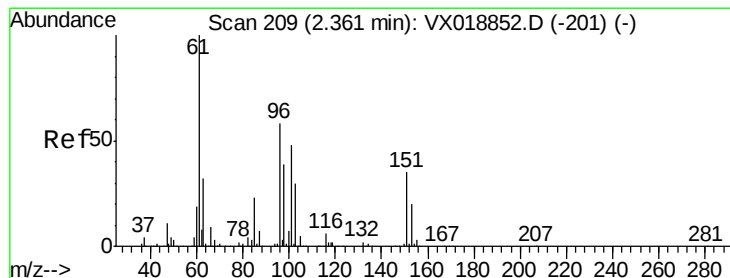
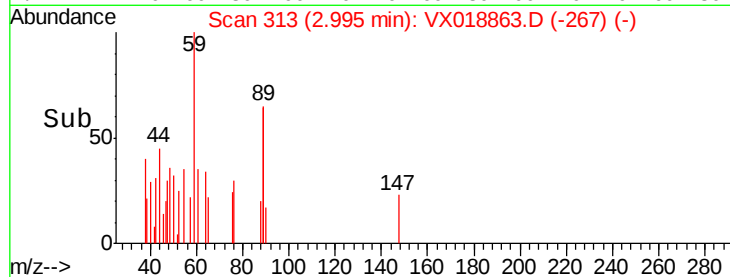
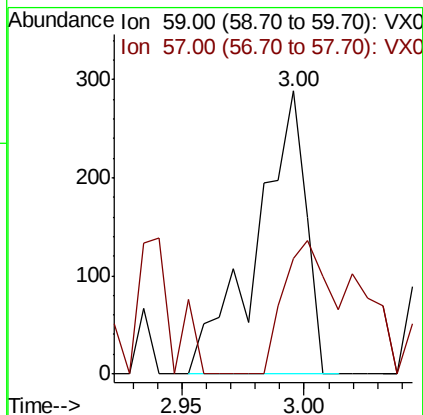
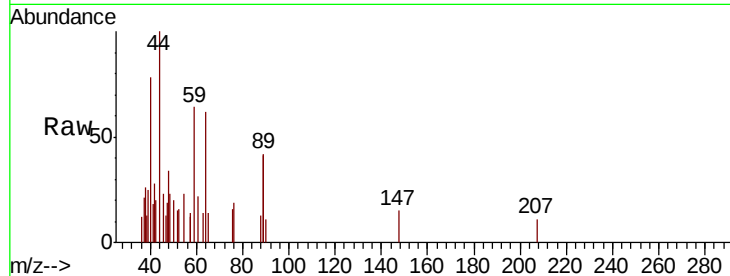


#11

Tert butvl alcohol
 Concen: 0.821 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX018863.D
 Acq: 09 Oct 2020 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

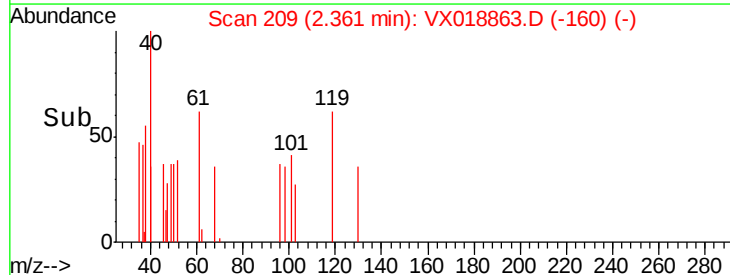
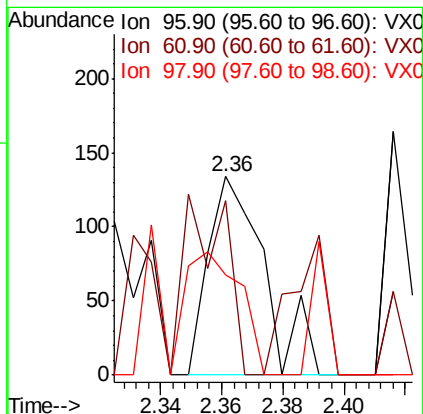
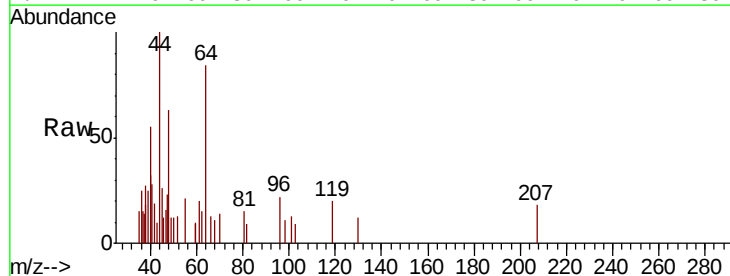
Tot Ion: 59 Resp: 405
 Ion Ratio Lower Upper
 59 100
 57 44.2 9.0 13.6#

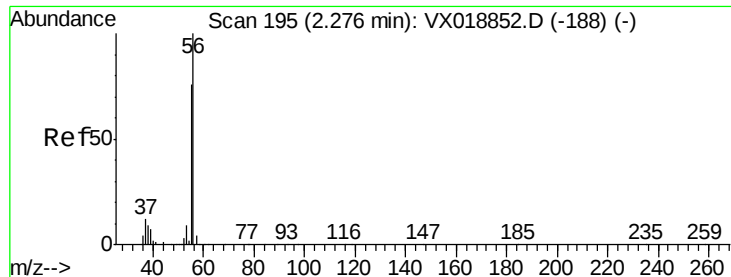


#12

1,1-Dichloroethene
 Concen: 0.790 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VX018863.D
 Acq: 09 Oct 2020 18:30

Tgt Ion: 96 Resp: 170
 Ion Ratio Lower Upper
 96 100
 61 88.1 137.0 205.6#
 98 50.7 53.9 80.9#





#13

Acrolein

Concen: 0.456 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

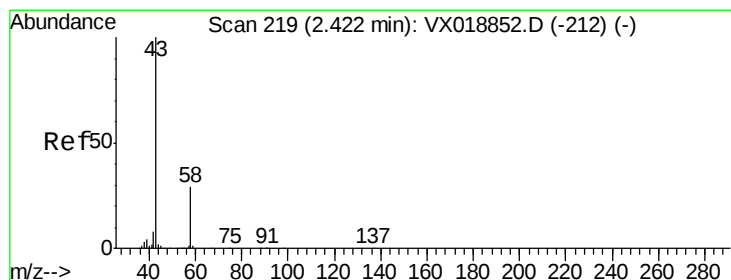
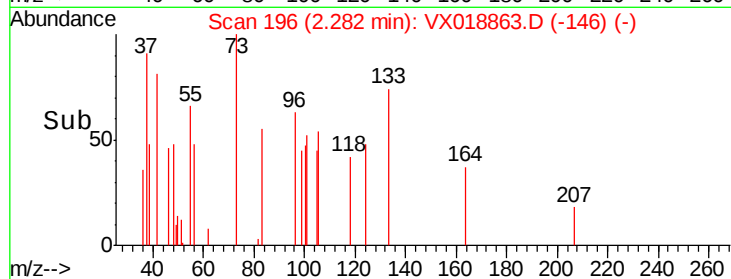
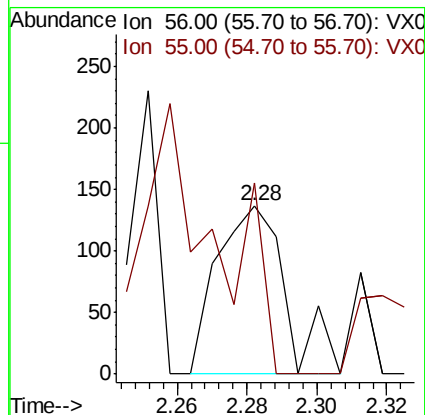
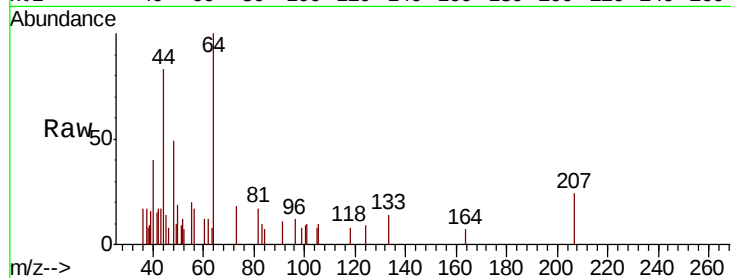
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018863.D

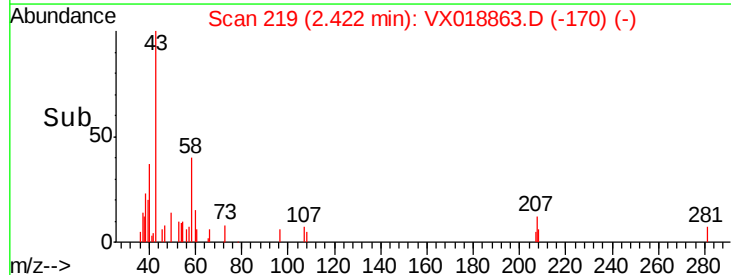
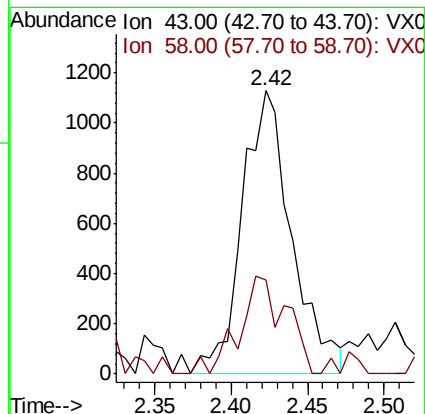
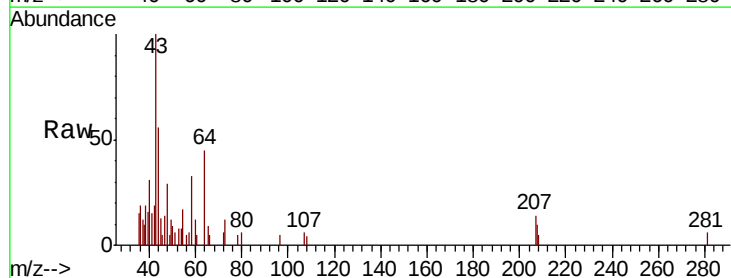
Acq: 09 Oct 2020 18:30

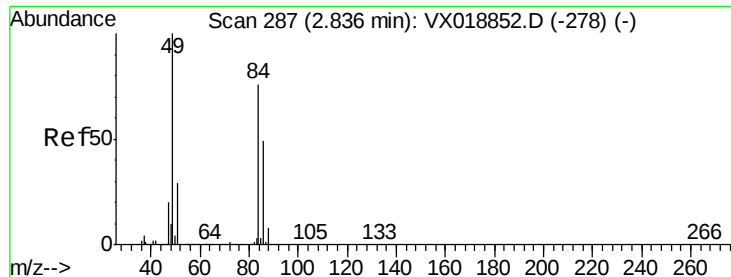
Tgt Ion: 43 Resp: 2550

Ion Ratio Lower Upper

43 100

58 33.2 23.0 34.4

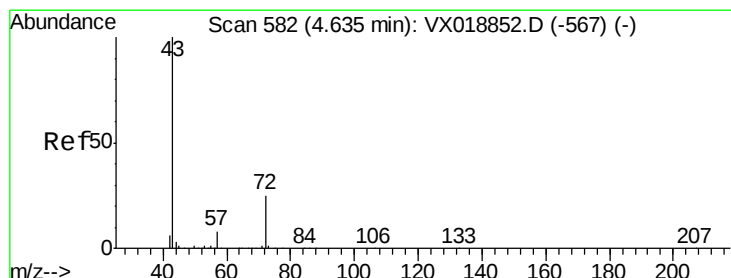
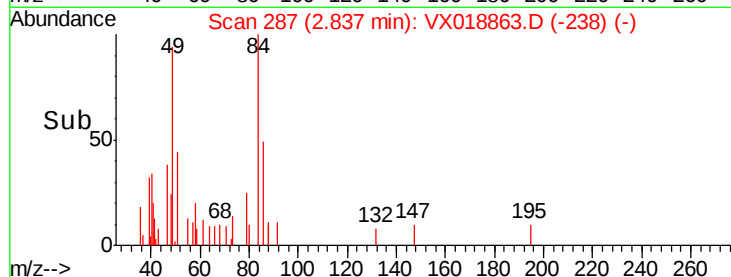
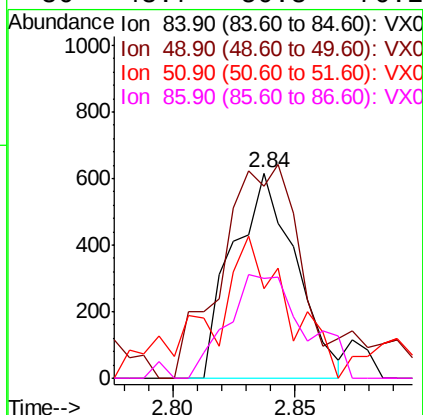
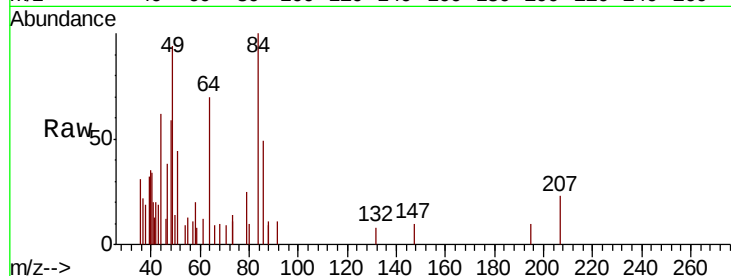




#20
Methvlene Chloride
Concen: 0.994 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018863.D
Acq: 09 Oct 2020 18:30

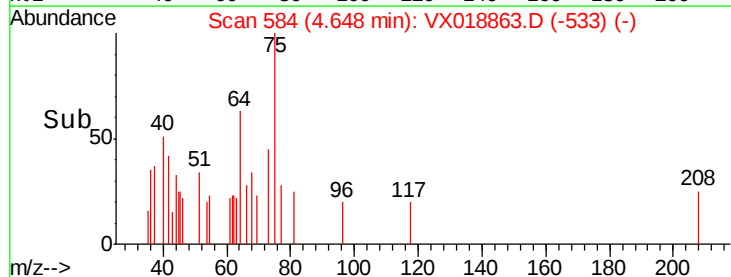
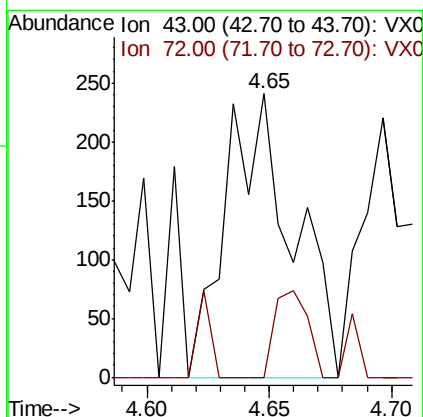
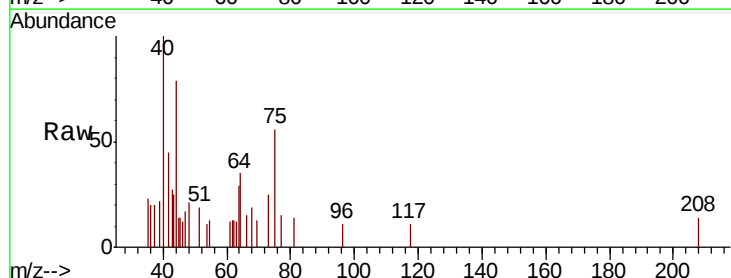
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STORAGE-BLANK-SAMPLE-MANA

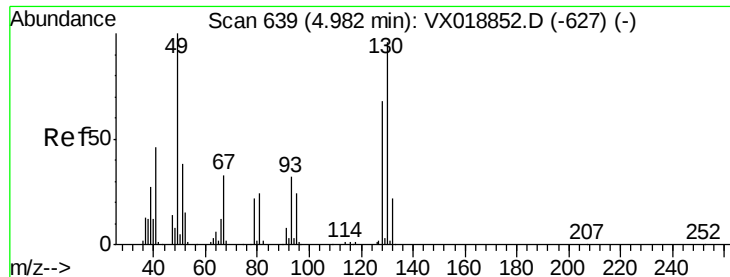
Tot Ion: 84 Resp: 1107
Ion Ratio Lower Upper
84 100
49 74.7 104.8 157.2#
51 44.0 30.6 46.0
86 48.7 50.8 76.2#



#25
2-Butanone
Concen: 0.271 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018863.D
Acq: 09 Oct 2020 18:30

Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#28

Bromochloromethane

Concen: 1.543 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

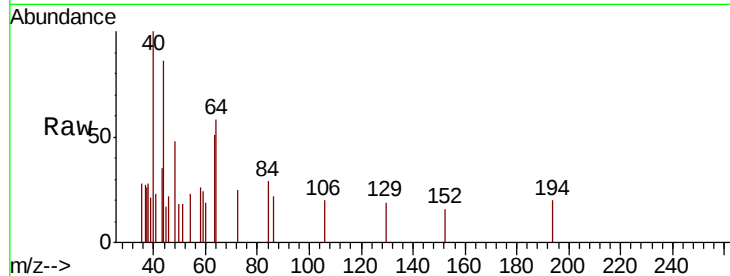
Tot Ion: 49 Resp: 41

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

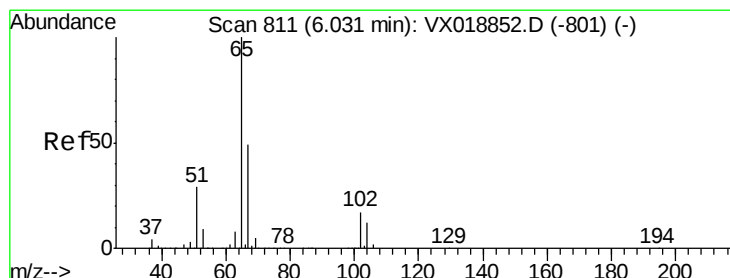
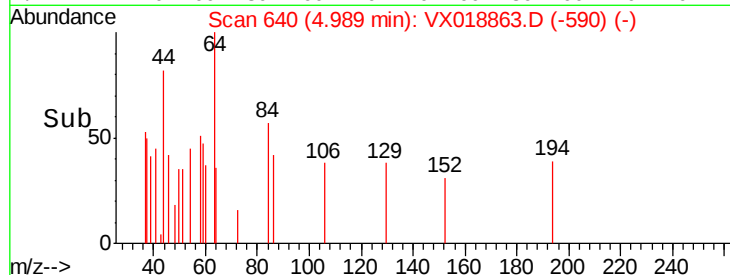
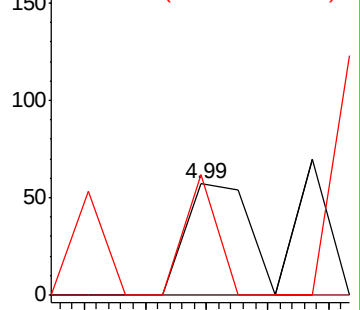
130 56.1 71.2 106.8#



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



#33

1,2-Dichloroethane-d4

Concen: 50.523 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018863.D

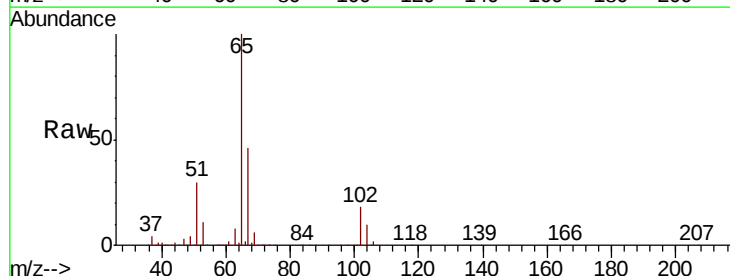
Acq: 09 Oct 2020 18:30

Tgt Ion: 65 Resp: 158207

Ion Ratio Lower Upper

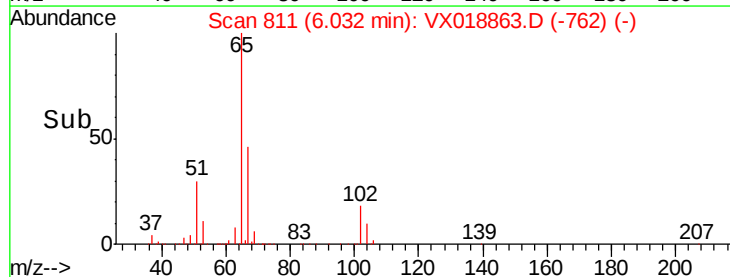
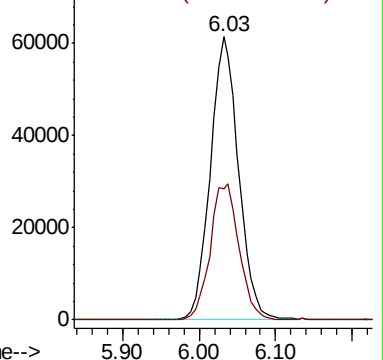
65 100

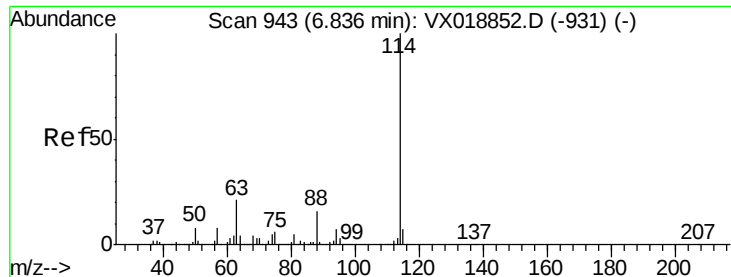
67 49.3 0.0 97.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

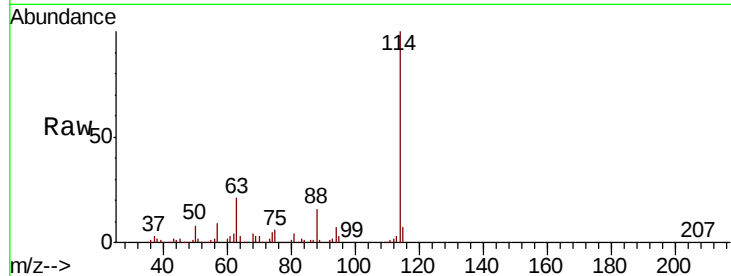
Tot Ion:114 Resp: 341742

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

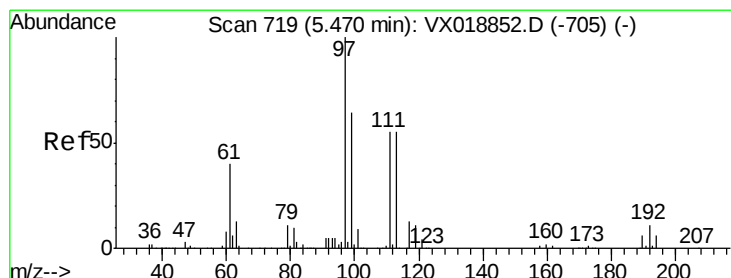
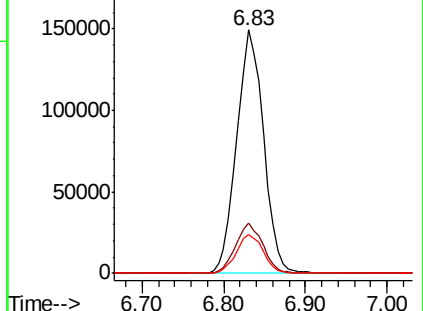
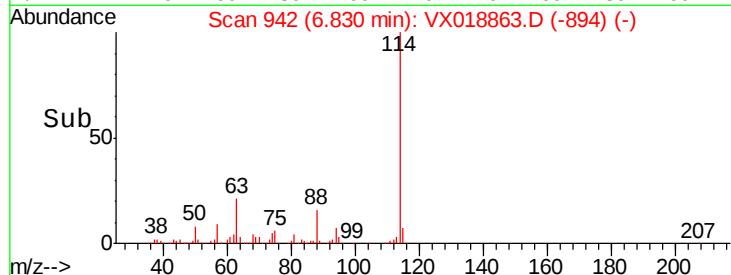
88 16.0 0.0 32.6



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



#35

Dibromofluoromethane

Concen: 50.406 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

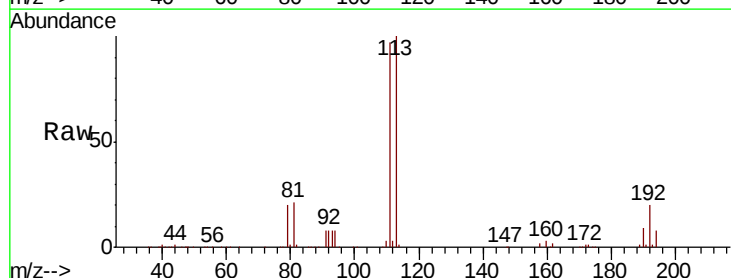
Tgt Ion:113 Resp: 122761

Ion Ratio Lower Upper

113 100

111 98.8 80.1 120.1

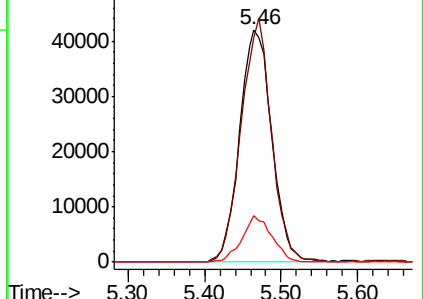
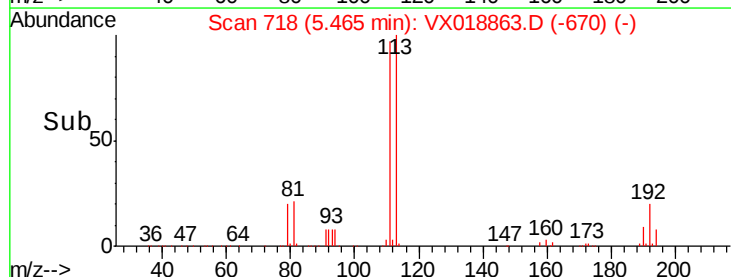
192 18.8 16.0 24.0

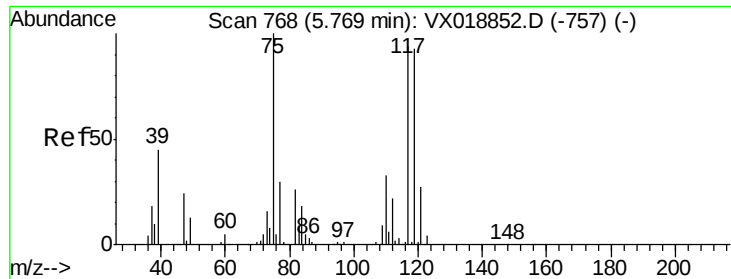


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

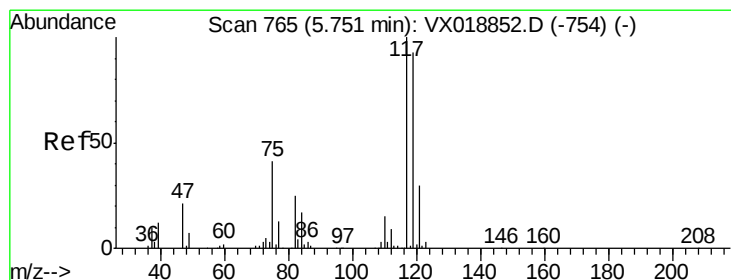
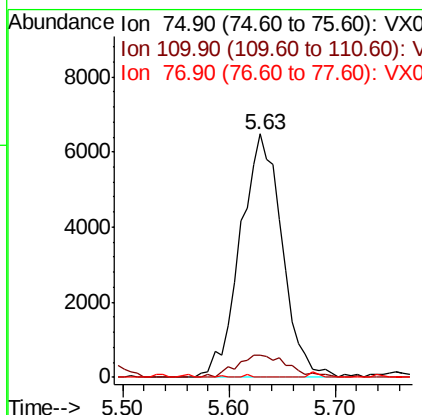
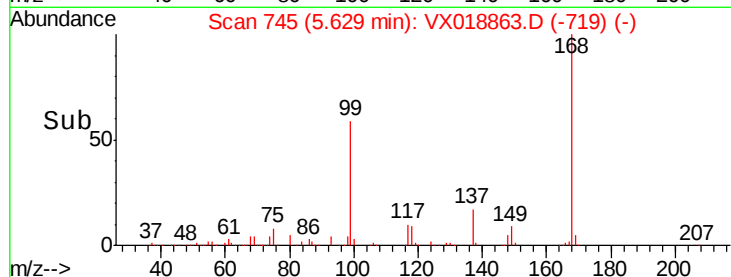
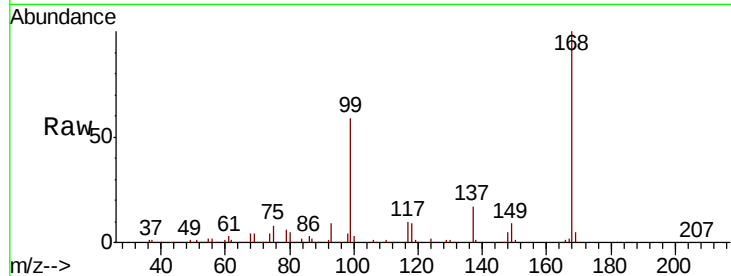




#36
 1,1-Dichloropropene
 Concen: 4.945 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018863.D
 Acq: 09 Oct 2020 18:30

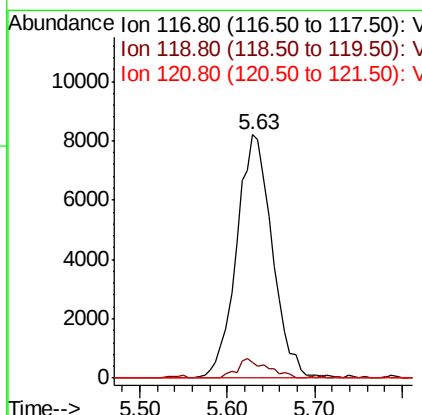
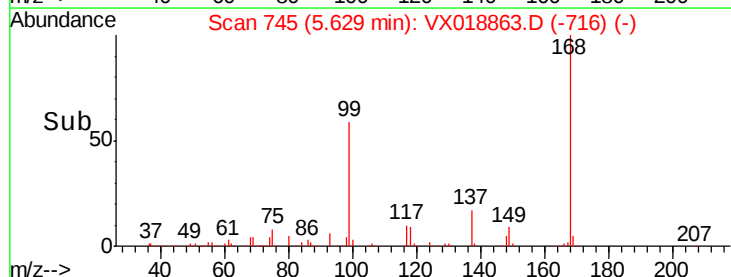
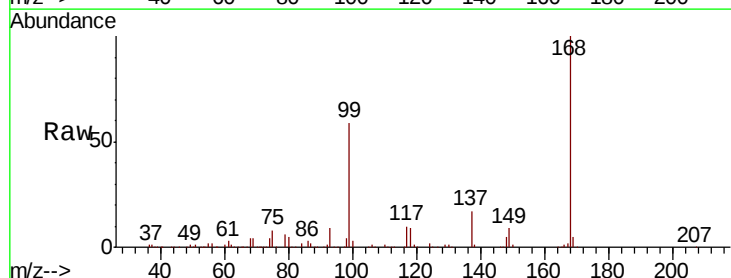
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

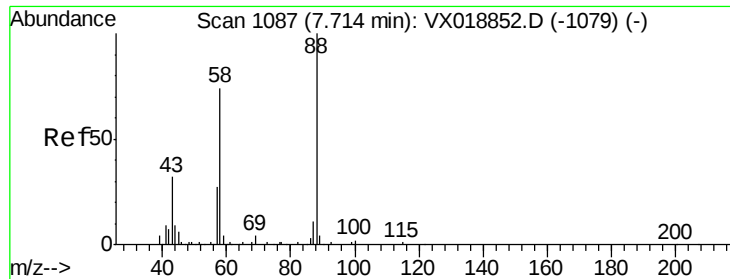
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.8	53.5#
77	0.1	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.212 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018863.D
 Acq: 09 Oct 2020 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	73.9	110.9#
121	0.0	23.6	35.4#





#49

1,4-Dioxane

Concen: 1.438 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

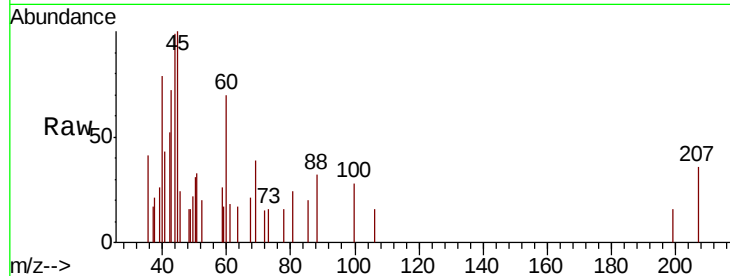
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 232.2 31.0 46.6#

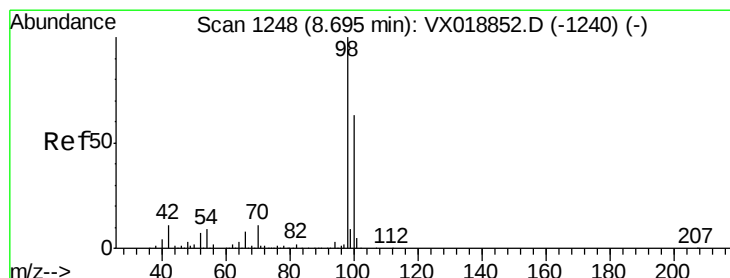
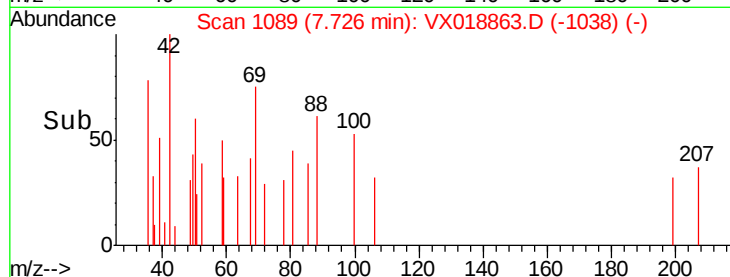
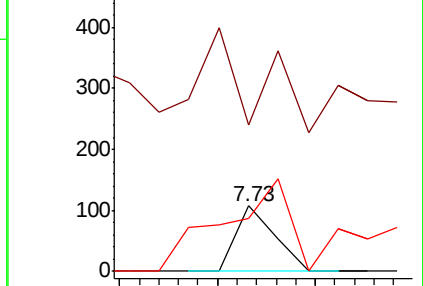
58 316.9 59.3 88.9#



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: 49.048 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018863.D

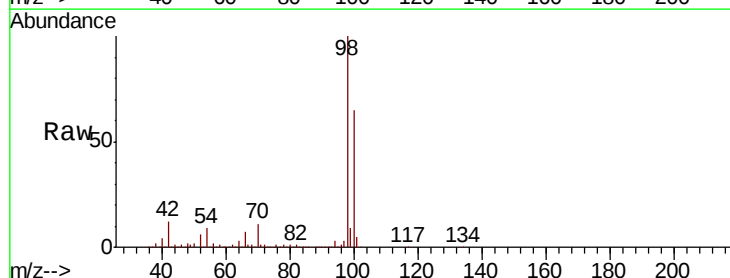
Acq: 09 Oct 2020 18:30

Tgt Ion: 98 Resp: 414361

Ion Ratio Lower Upper

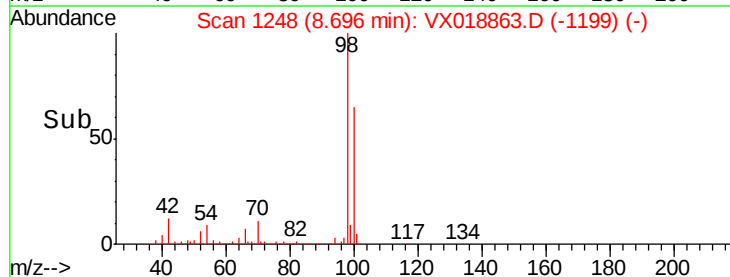
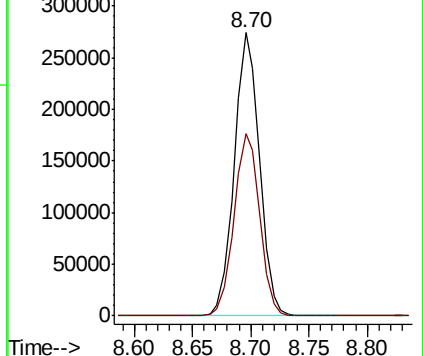
98 100

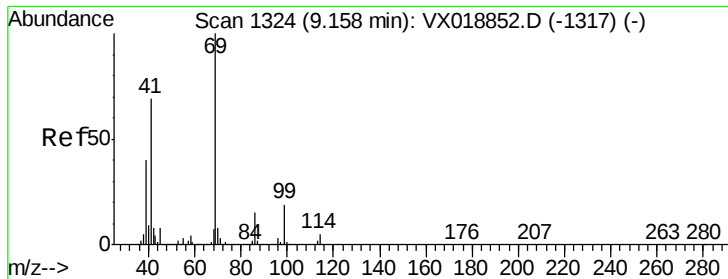
100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

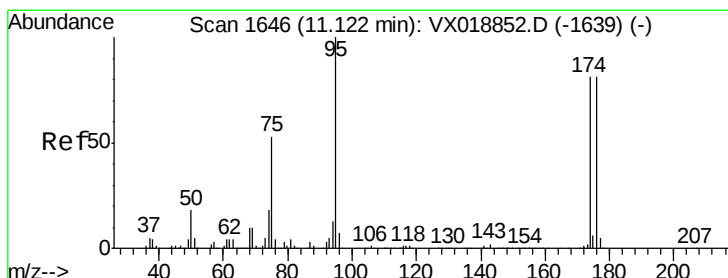
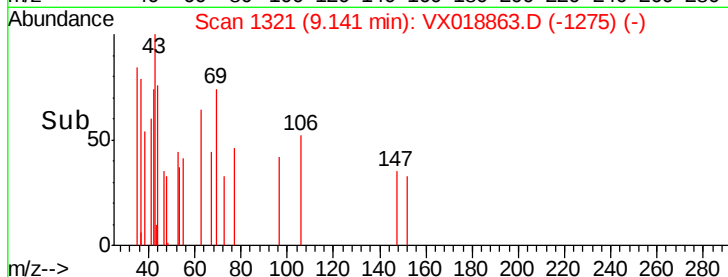
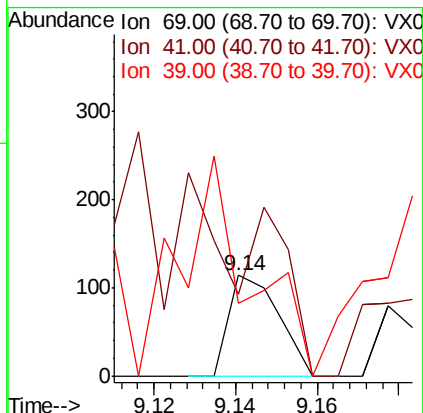
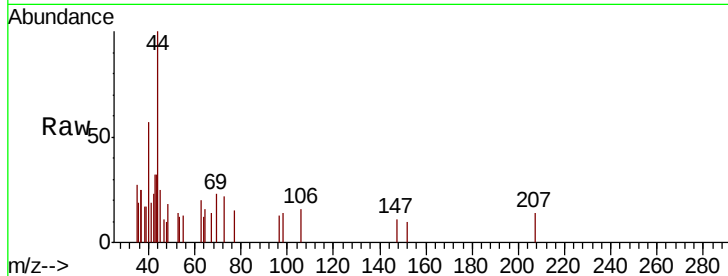




#56
Ethyl methacrylate
Concen: 2.958 ug/l
RT: 9.14 min Scan# 1321
Delta R.T. -0.02 min
Lab File: VX018863.D
Acq: 09 Oct 2020 18:30

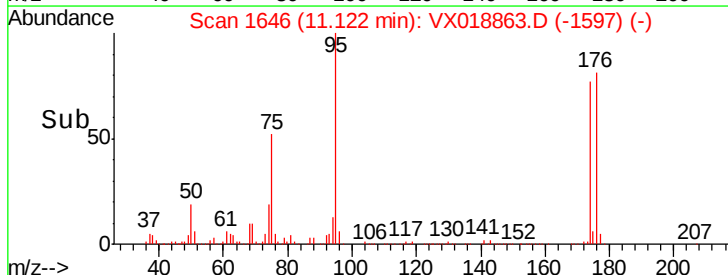
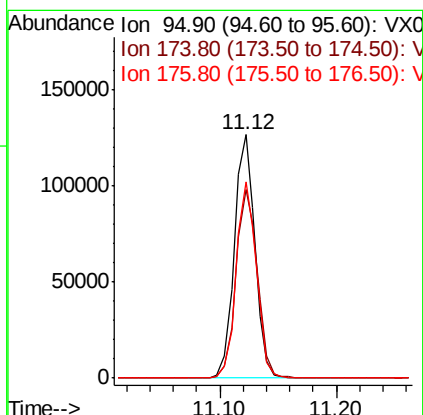
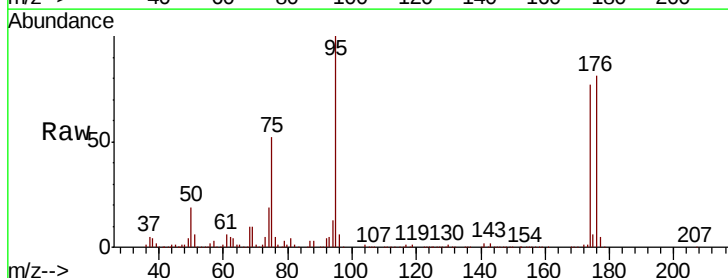
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

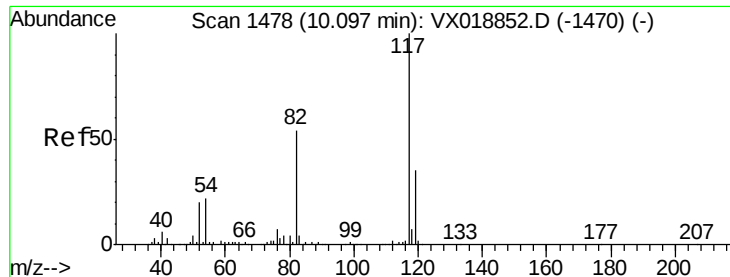
Tot Ion: 69 Resp: 97
Ion Ratio Lower Upper
69 100
41 0.0 54.6 81.8#
39 303.1 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 46.274 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018863.D
Acq: 09 Oct 2020 18:30

Tgt Ion: 95 Resp: 155804
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.0
176 79.7 0.0 161.2

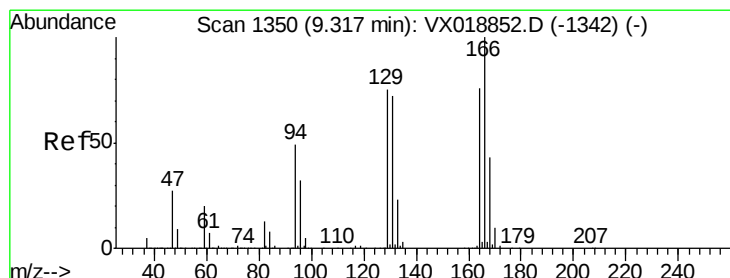
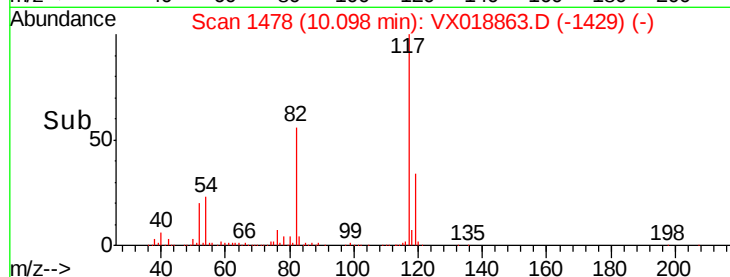
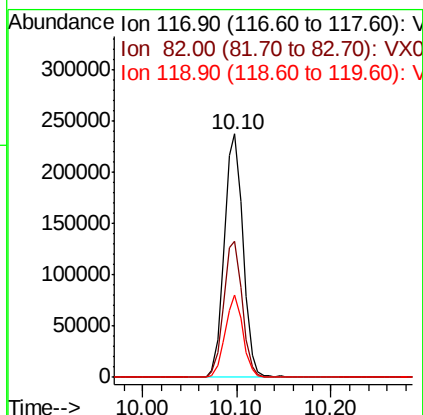
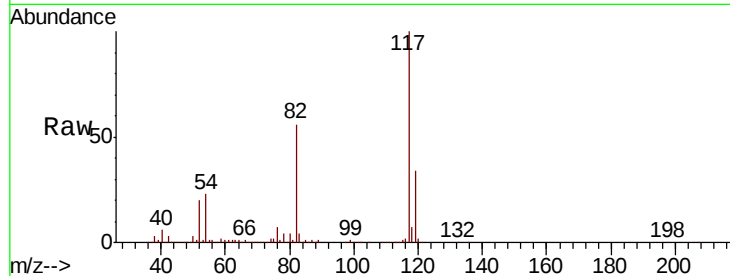




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018863.D
Acq: 09 Oct 2020 18:30

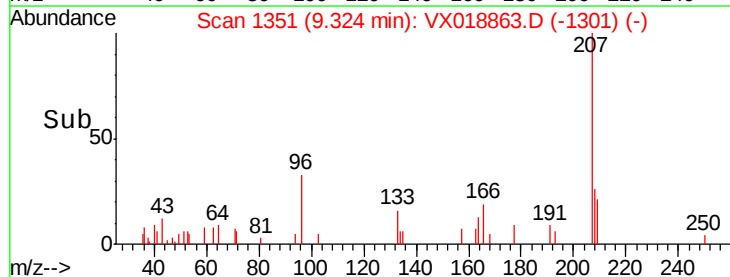
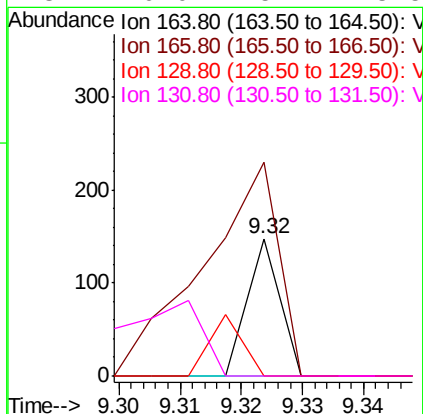
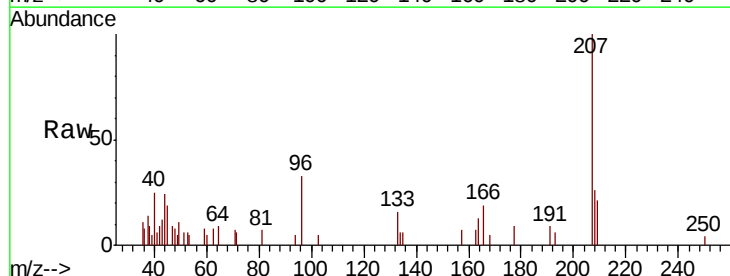
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

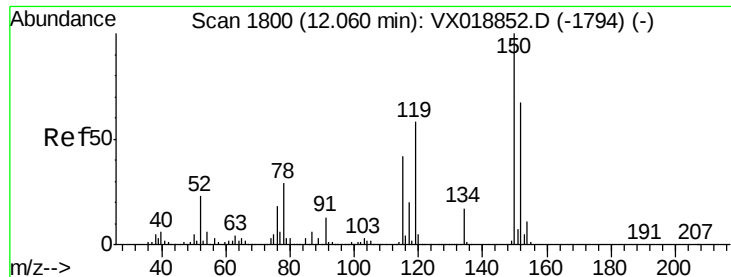
Tot Ion:117 Resp: 326109
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.2
119 34.0 28.3 42.5



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX018863.D
Acq: 09 Oct 2020 18:30

Tgt Ion:164 Resp: 54
Ion Ratio Lower Upper
164 100
166 155.4 105.4 158.0
129 0.0 79.0 118.6#
131 0.0 75.7 113.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

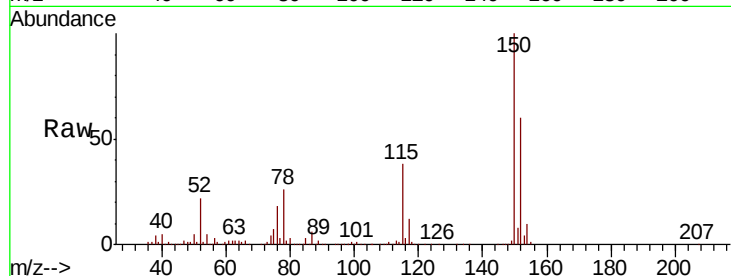
Tot Ion:152 Resp: 157453

Ion Ratio Lower Upper

152 100

115 60.9 41.8 125.4

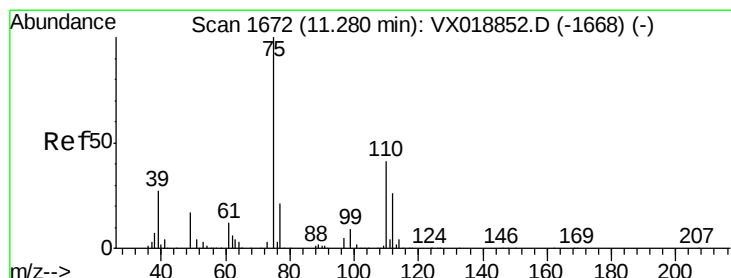
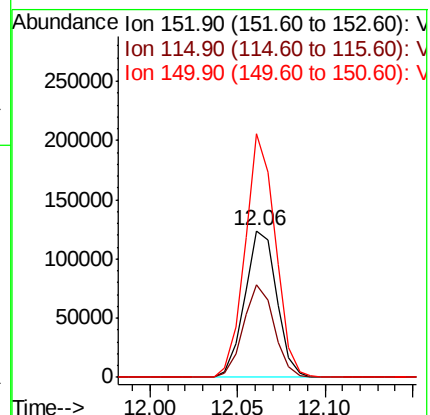
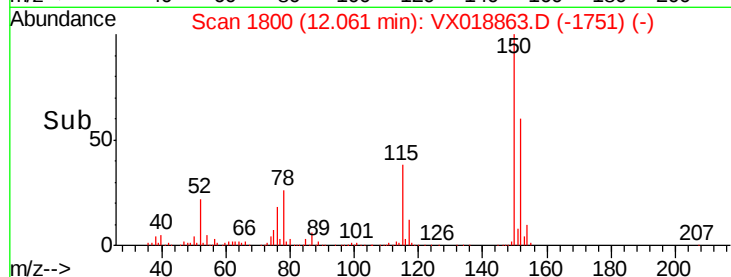
150 157.7 0.0 347.6



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: 24.521 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018863.D

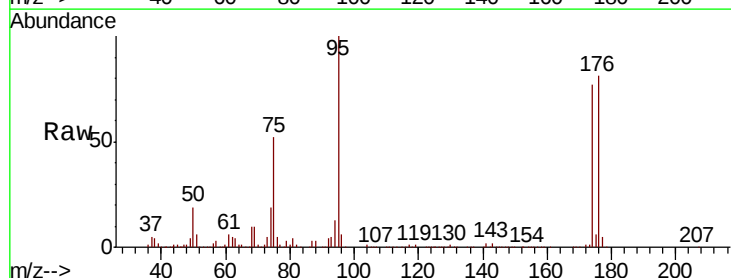
Acq: 09 Oct 2020 18:30

Tgt Ion: 75 Resp: 83189

Ion Ratio Lower Upper

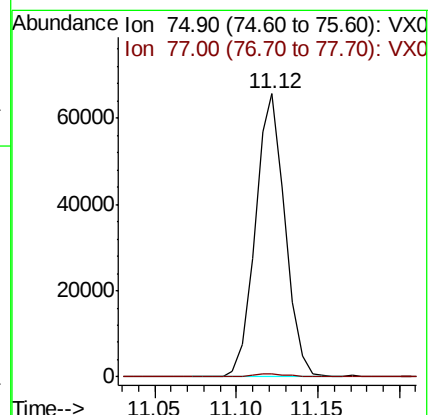
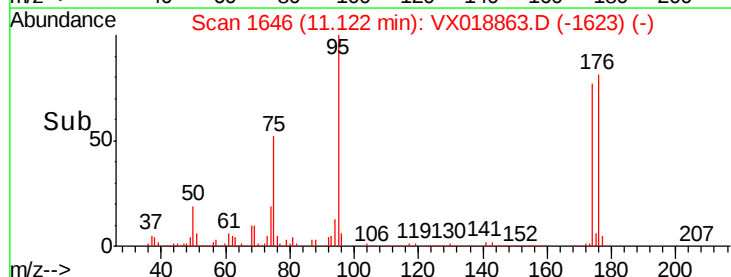
75 100

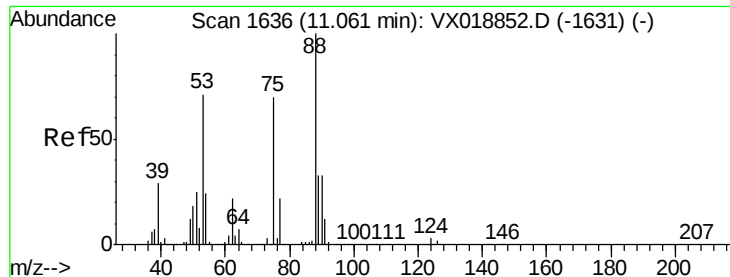
77 1.2 20.2 60.6#



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: 69.490 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

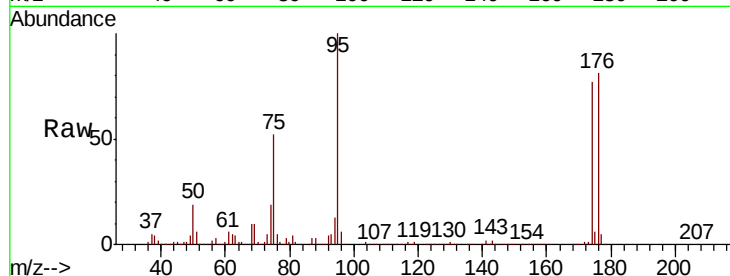
Tot Ion: 75 Resp: 83189

Ion Ratio Lower Upper

75 100

53 0.5 85.0 127.4#

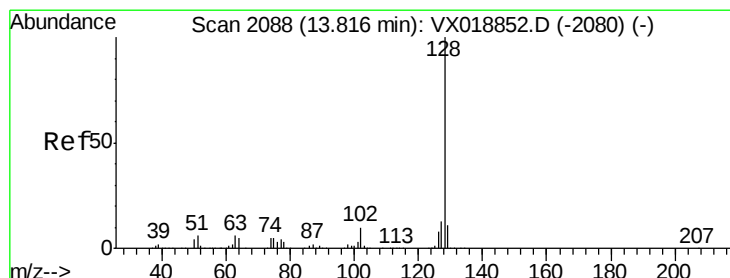
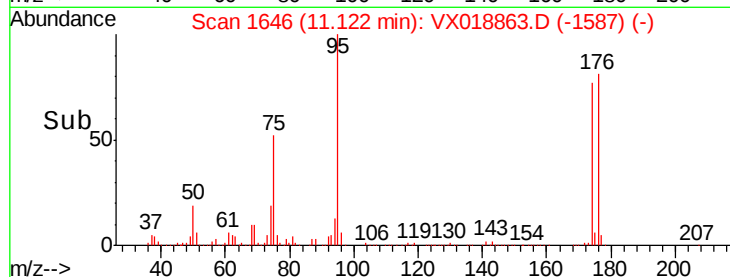
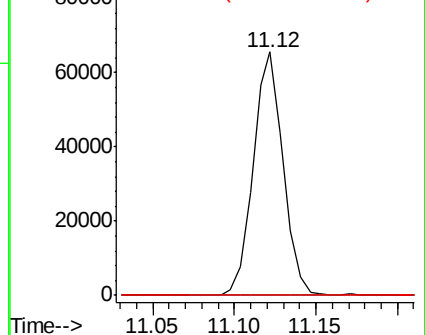
89 0.1 39.0 58.4#



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: 3.123 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018863.D

Acq: 09 Oct 2020 18:30

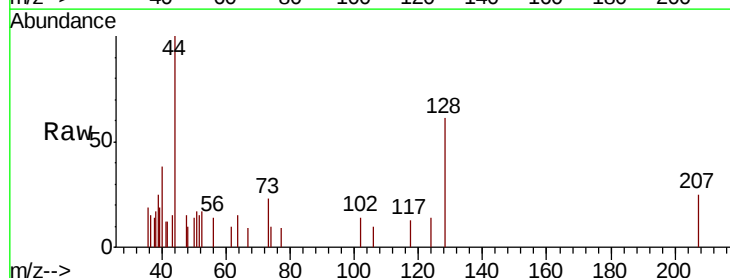
Tgt Ion:128 Resp: 519

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

