

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014704.D
 Acq On : 24 Jan 2020 18:06
 Operator : JC/SP
 Sample : L1250-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jan 24 22:34:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	437905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	697925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	633871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	285852	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	255178	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	5.49	113	210327	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
50) Toluene-d8	8.71	98	824699	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.14	95	275839	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

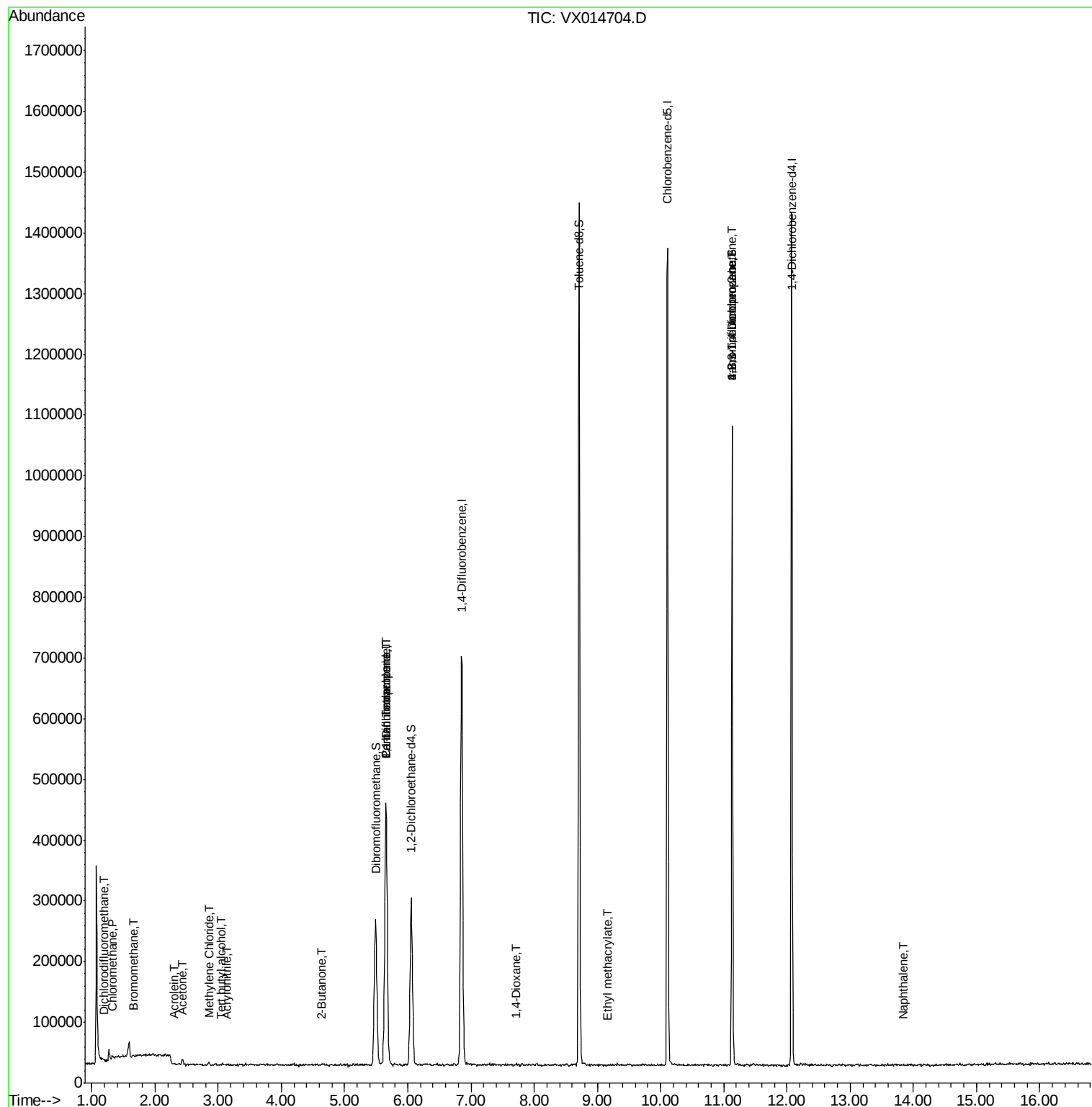
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	471	0.610	ug/l #	42
3) Chloromethane	1.32	50	2607	0.440	ug/l #	83
5) Bromomethane	1.66	94	918	0.211	ug/l	82
6) Chloroethane	1.73	64	4373	Below Cal	#	68
11) Tert butyl alcohol	3.03	59	264	0.230	ug/l #	72
13) Acrolein	2.30	56	274	0.303	ug/l #	1
15) Acrylonitrile	3.14	53	604	0.227	ug/l #	72
16) Acetone	2.43	43	10343	3.839	ug/l	95
20) Methylene Chloride	2.85	84	3471	0.669	ug/l #	83
25) 2-Butanone	4.64	43	979	0.244	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	30095	4.641	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39663	6.404	ug/l #	16
41) Methacrylonitrile	5.03	41	295	Below Cal	#	1
49) 1,4-Dioxane	7.73	88	57	0.463	ug/l #	1
56) Ethyl methacrylate	9.17	69	265	1.814	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	137601	20.690	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	137601	58.880	ug/l #	10
95) Naphthalene	13.84	128	1226	0.992	ug/l #	71

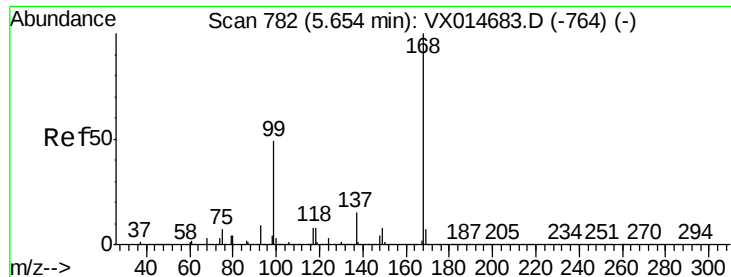
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

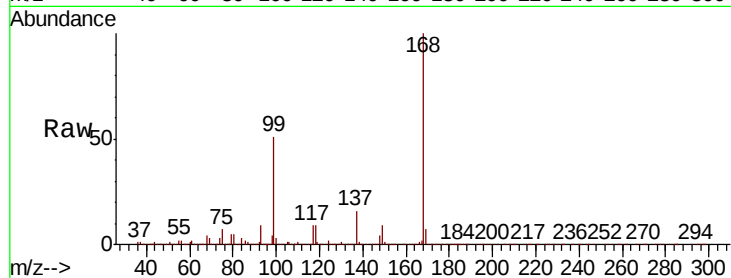
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 437905

Ion Ratio Lower Upper

168 100

99 51.1 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

50000

0

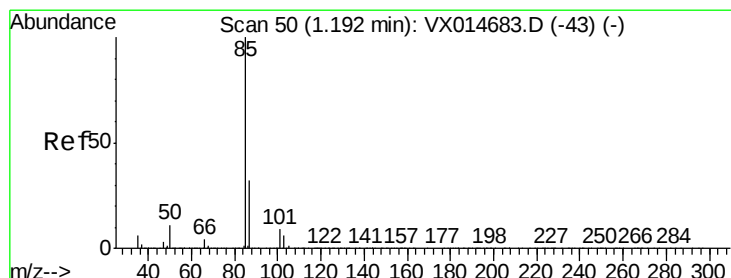
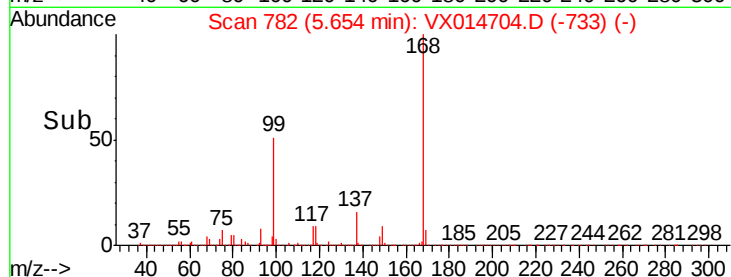
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.610 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014704.D

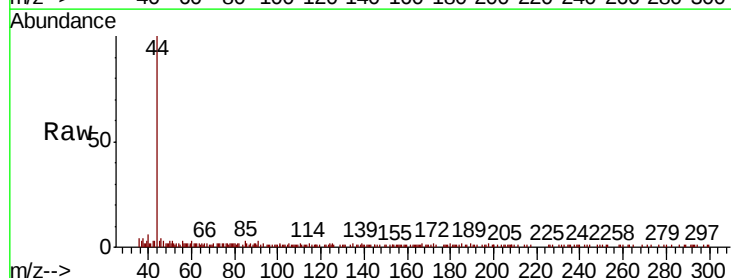
Acq: 24 Jan 2020 18:06

Tgt Ion: 85 Resp: 471

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

200

100

0

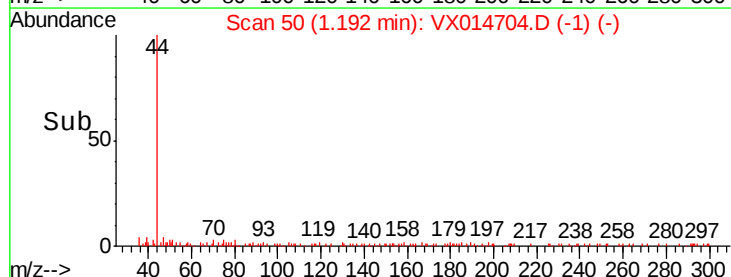
1.16

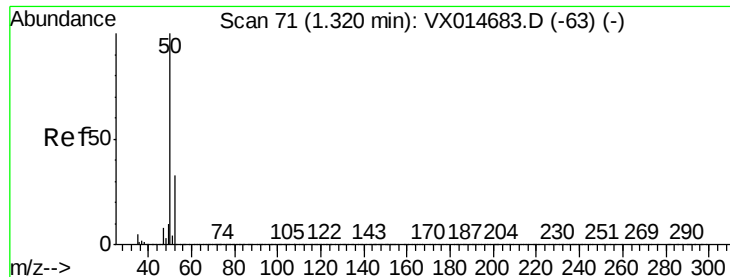
1.18

1.20

1.22

Time-->

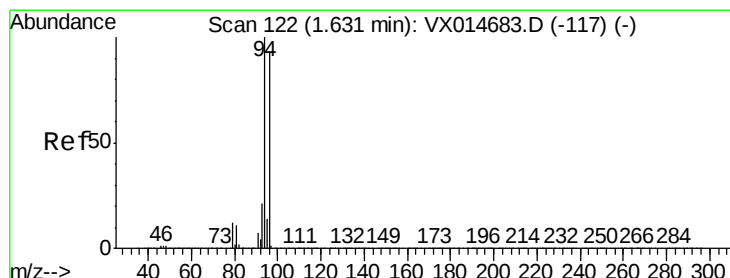
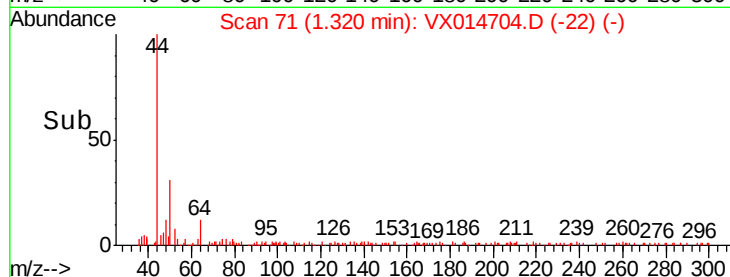
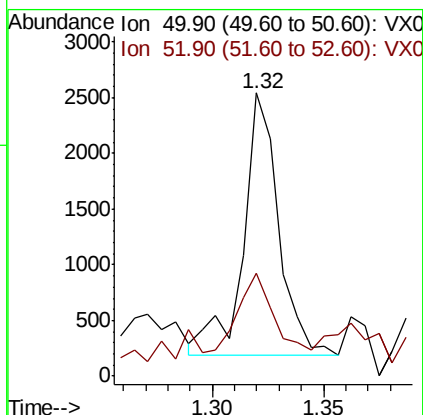
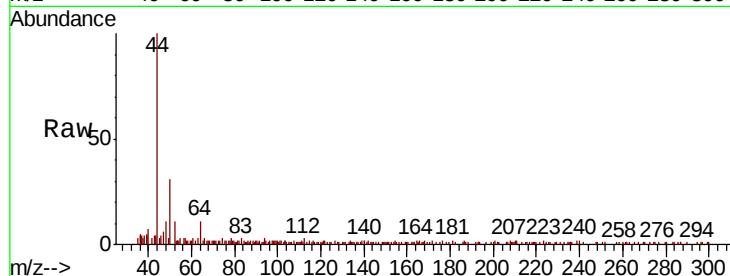




#3
Chloromethane
Concen: 0.440 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014704.D
Acq: 24 Jan 2020 18:06

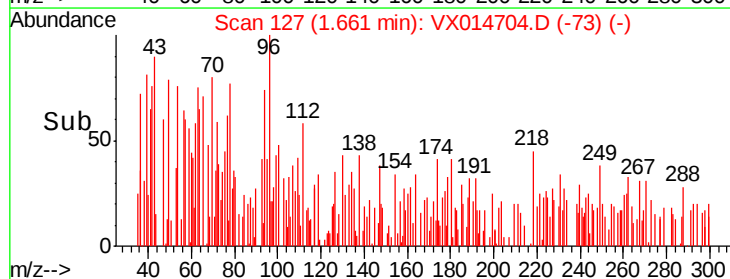
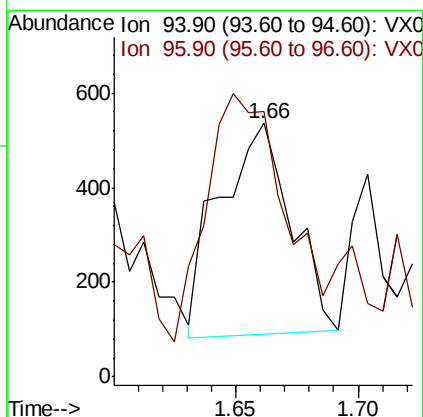
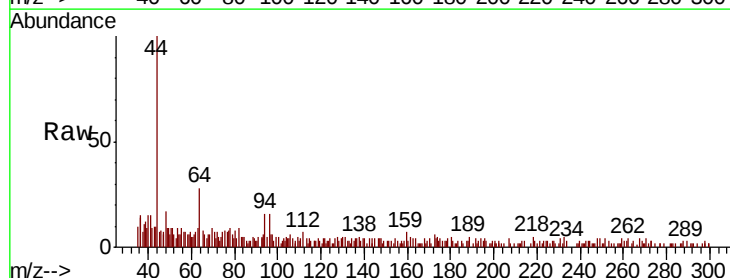
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

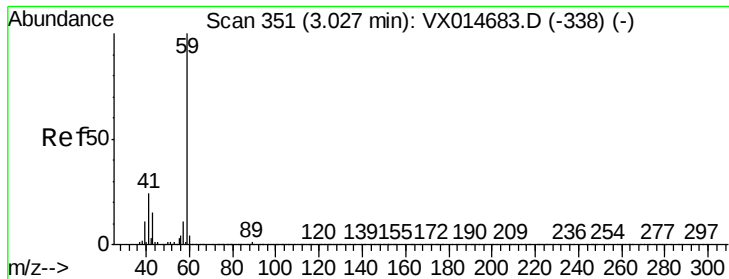
Tot Ion: 50 Resp: 2607
Ion Ratio Lower Upper
50 100
52 23.2 26.2 39.2#



#5
Bromomethane
Concen: 0.211 ug/l
RT: 1.66 min Scan# 127
Delta R.T. 0.03 min
Lab File: VX014704.D
Acq: 24 Jan 2020 18:06

Tgt Ion: 94 Resp: 918
Ion Ratio Lower Upper
94 100
96 76.3 74.7 112.1



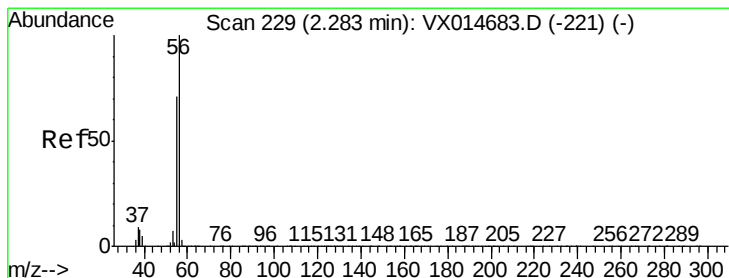
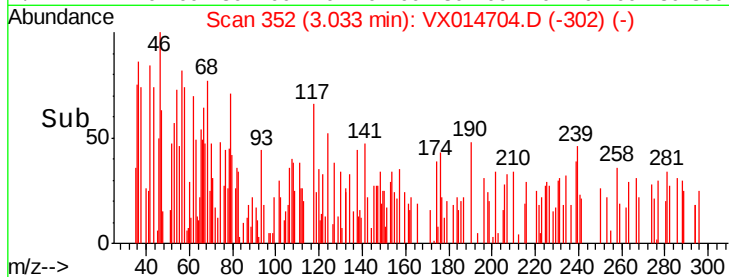
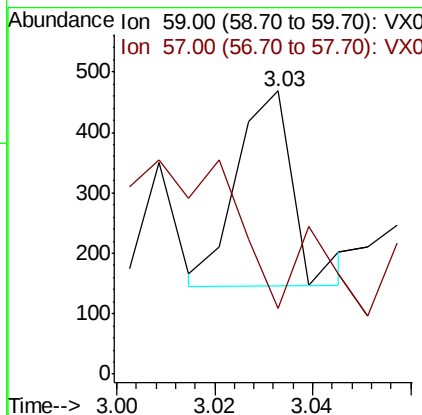
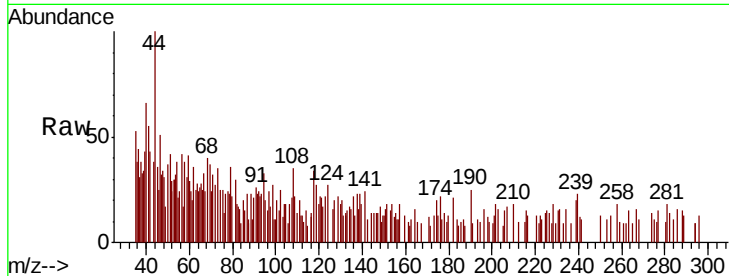


#11

Tert butyl alcohol
 Concen: 0.230 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX014704.D
 Acq: 24 Jan 2020 18:06

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

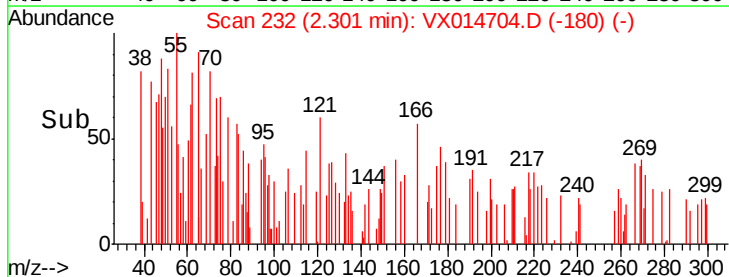
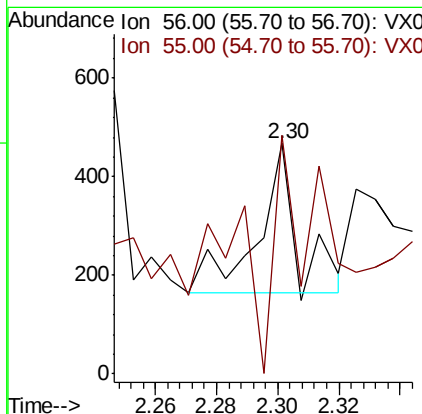
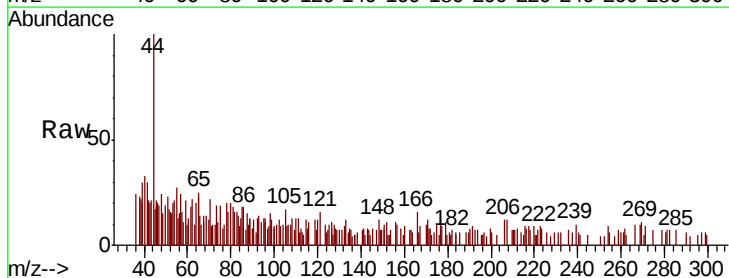
Tot Ion: 59 Resp: 264
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

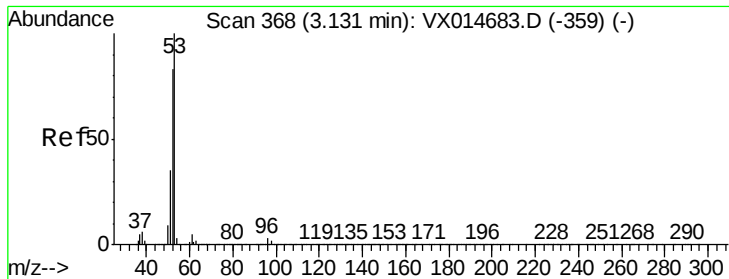


#13

Acrolein
 Concen: 0.303 ug/l
 RT: 2.30 min Scan# 232
 Delta R.T. 0.02 min
 Lab File: VX014704.D
 Acq: 24 Jan 2020 18:06

Tgt Ion: 56 Resp: 274
 Ion Ratio Lower Upper
 56 100
 55 201.8 56.6 84.8#





#15

Acrylonitrile

Concen: 0.227 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

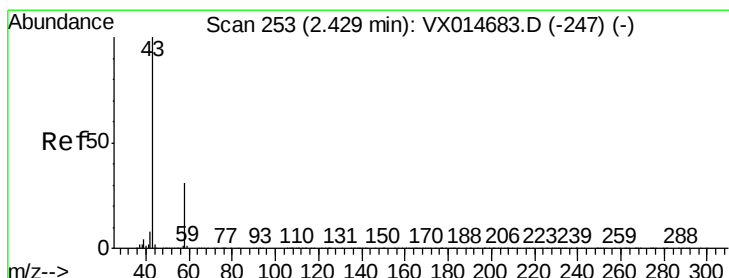
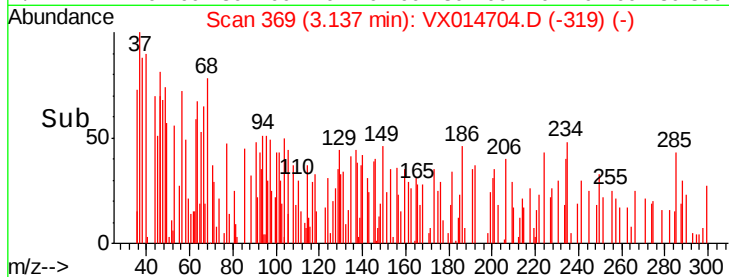
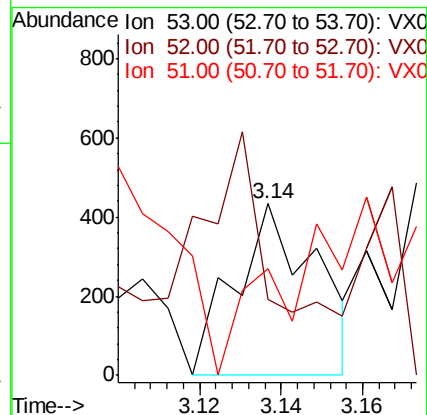
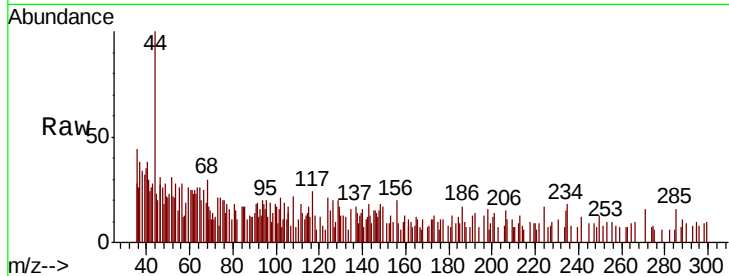
Tot Ion: 53 Resp: 604

Ion Ratio Lower Upper

53 100

52 71.0 66.4 99.6

51 0.0 28.7 43.1#



#16

Acetone

Concen: 3.839 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014704.D

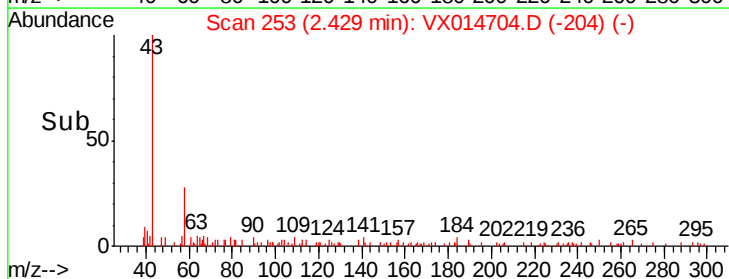
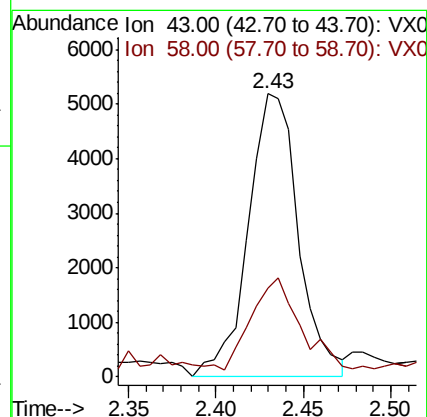
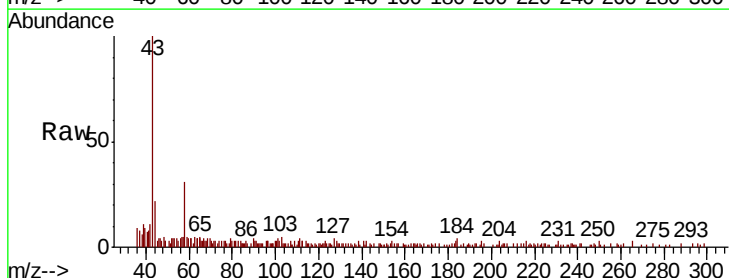
Acq: 24 Jan 2020 18:06

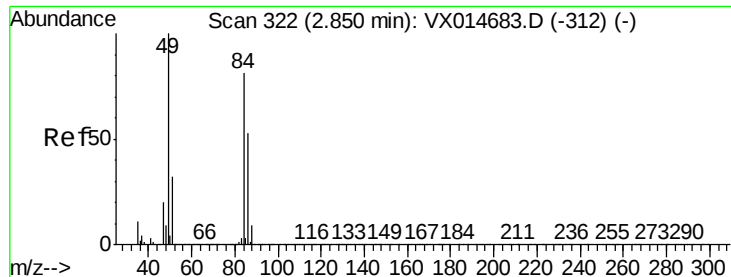
Tgt Ion: 43 Resp: 10343

Ion Ratio Lower Upper

43 100

58 27.7 24.5 36.7

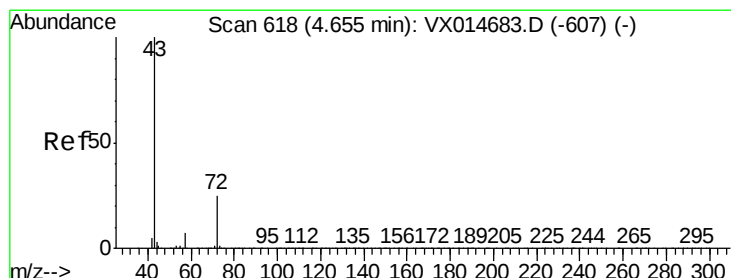
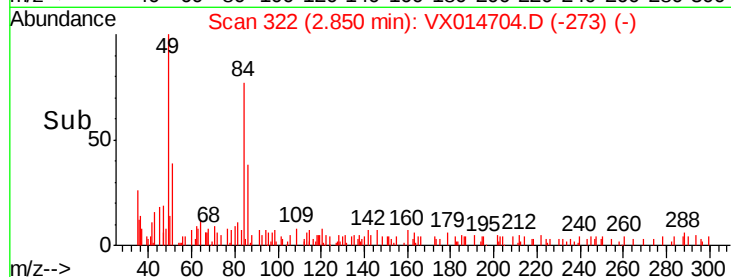
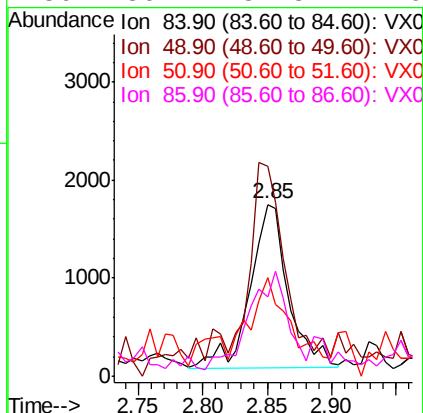
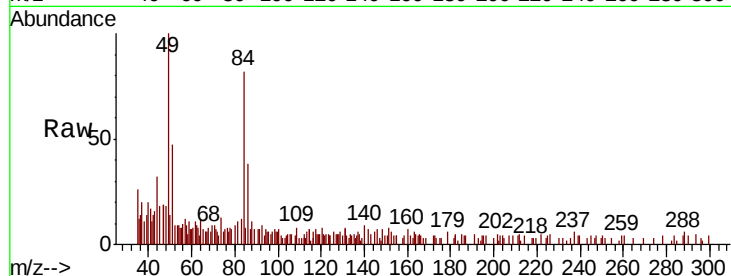




#20
Methvlene Chloride
Concen: 0.669 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014704.D
Acq: 24 Jan 2020 18:06

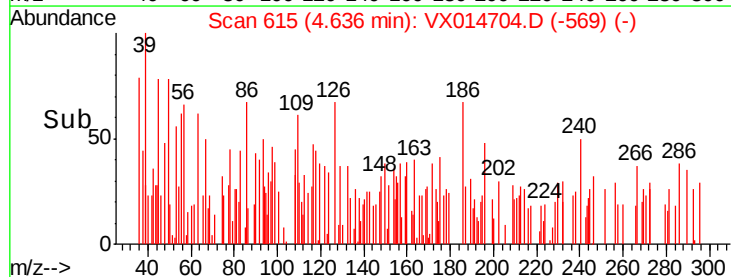
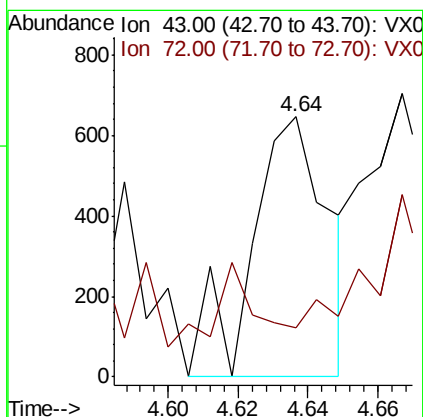
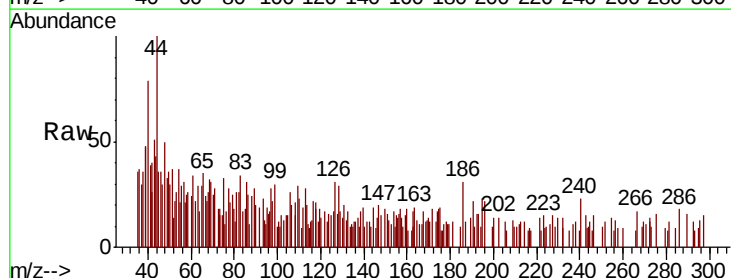
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

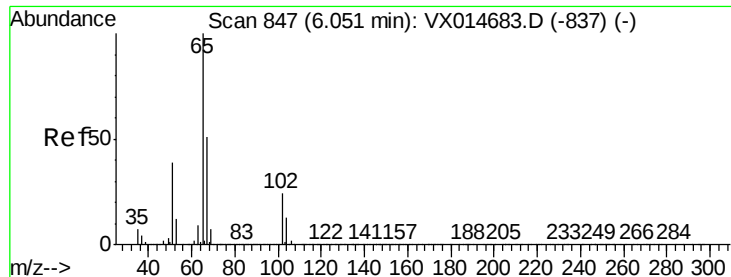
Tot Ion: 84 Resp: 3471
Ion Ratio Lower Upper
84 100
49 117.6 98.2 147.4
51 54.2 31.3 46.9#
86 36.1 51.8 77.6#



#25
2-Butanone
Concen: 0.244 ug/l
RT: 4.64 min Scan# 615
Delta R.T. -0.02 min
Lab File: VX014704.D
Acq: 24 Jan 2020 18:06

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#33

1,2-Dichloroethane-d4

Concen: 49.901 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

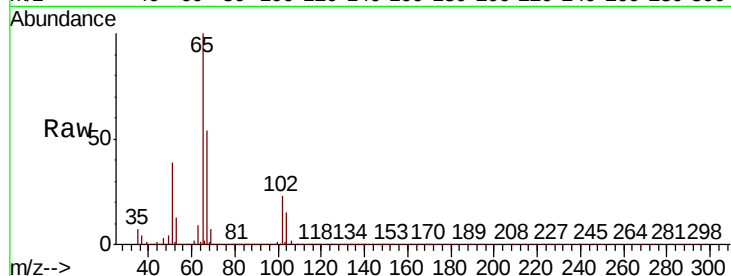
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 255178

Ion Ratio Lower Upper

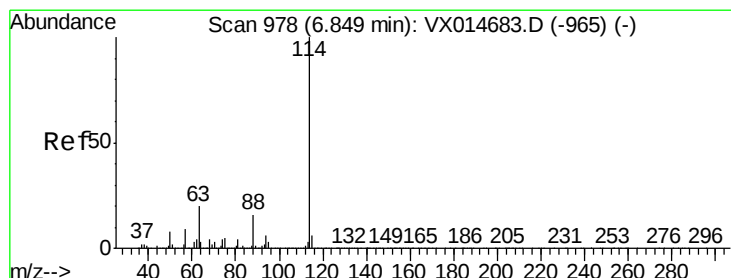
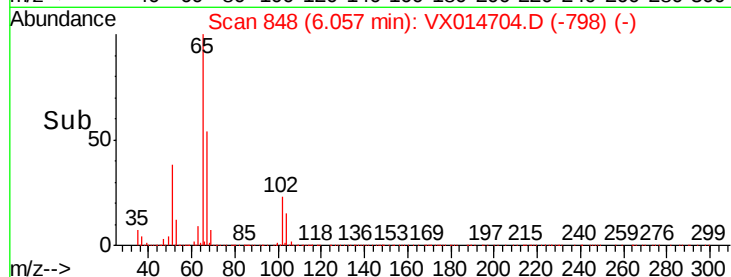
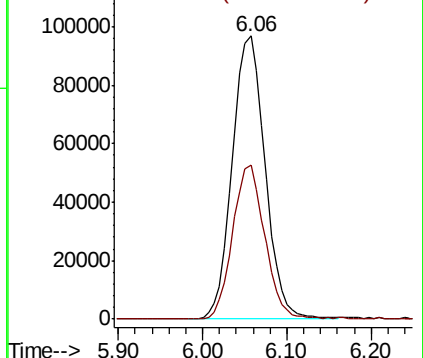
65 100

67 52.6 0.0 107.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

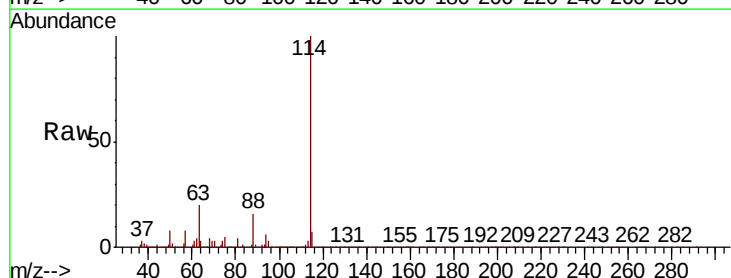
Tgt Ion: 114 Resp: 697925

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

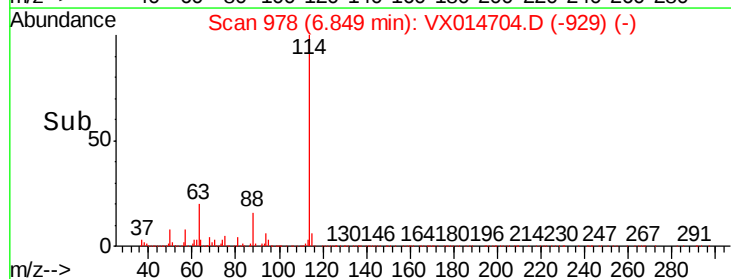
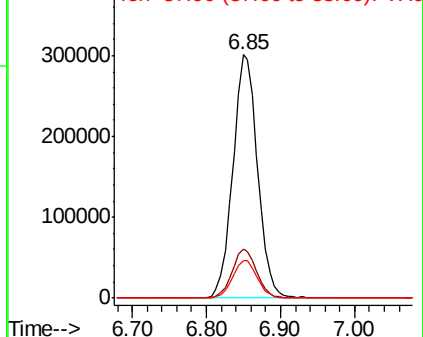
88 15.6 0.0 31.2

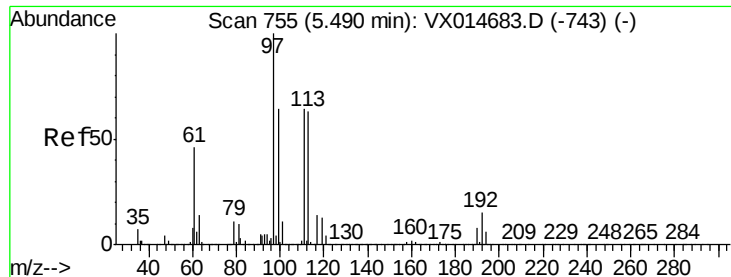


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.760 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

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ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

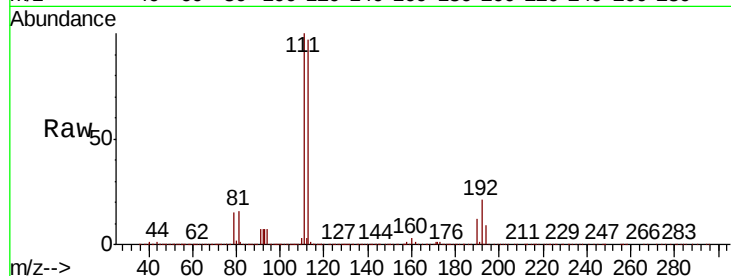
Tot Ion:113 Resp: 210327

Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

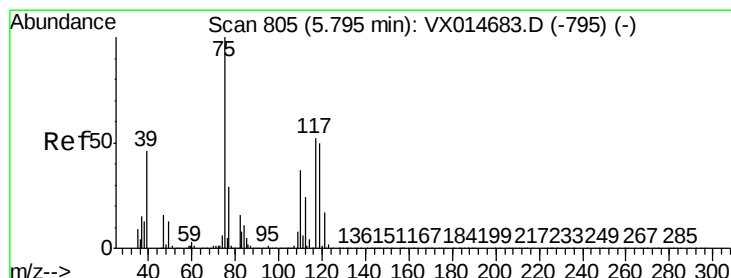
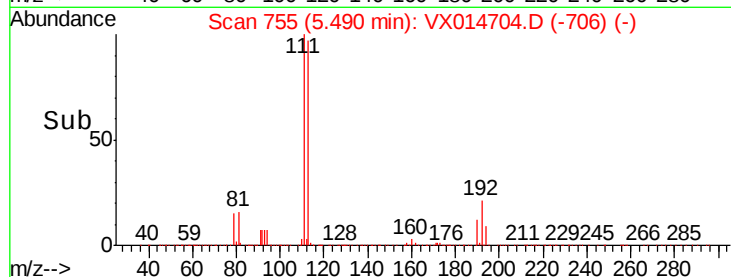
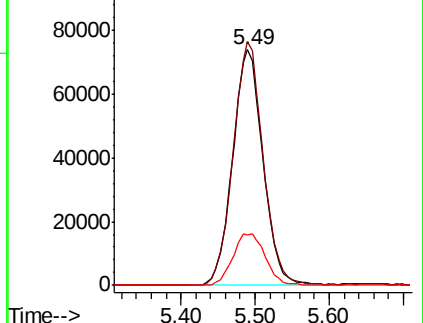
192 23.2 18.5 27.7



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: 4.641 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

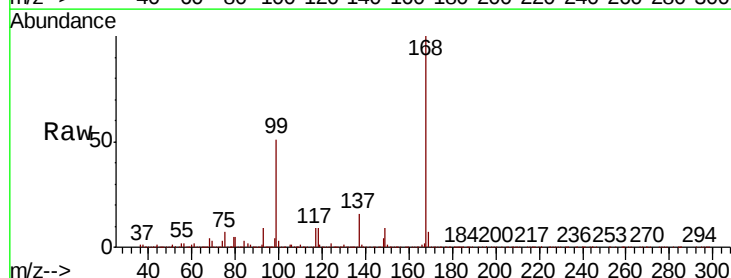
Tgt Ion: 75 Resp: 30095

Ion Ratio Lower Upper

75 100

110 11.8 17.9 53.7#

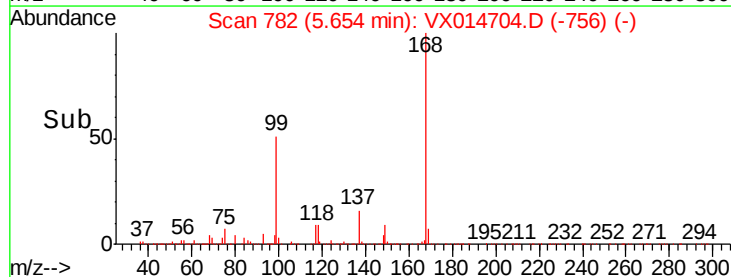
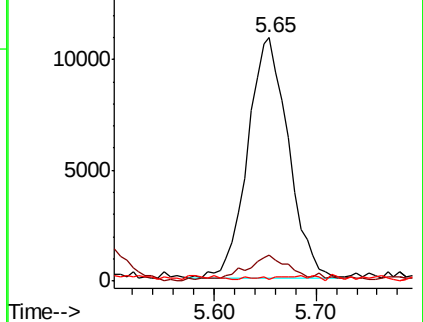
77 0.0 24.1 36.1#

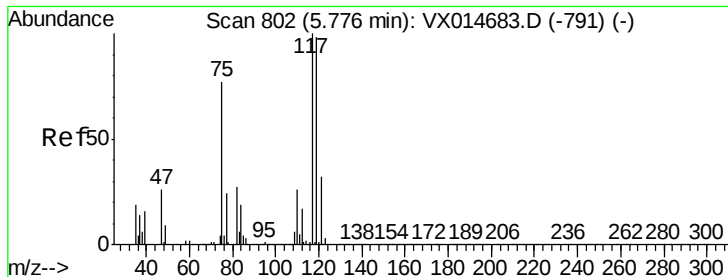


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

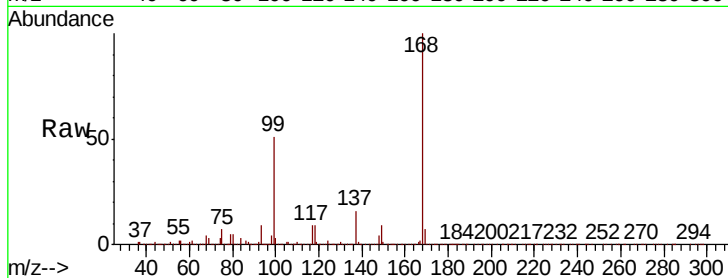
Tot Ion:117 Resp: 39663

Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

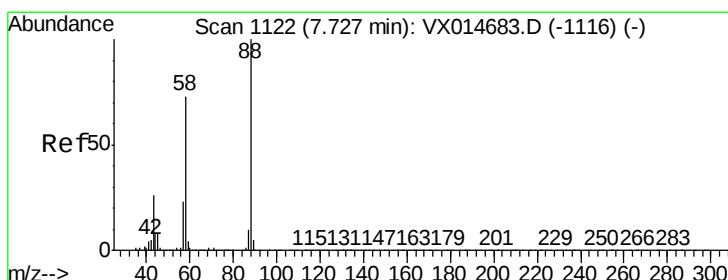
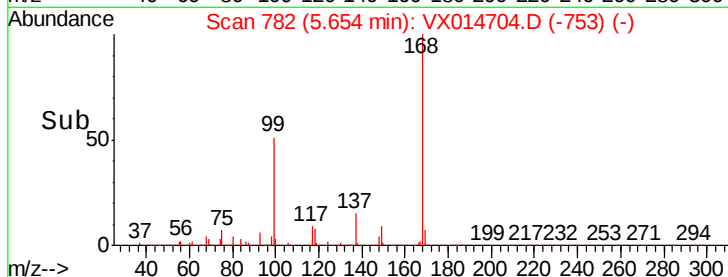
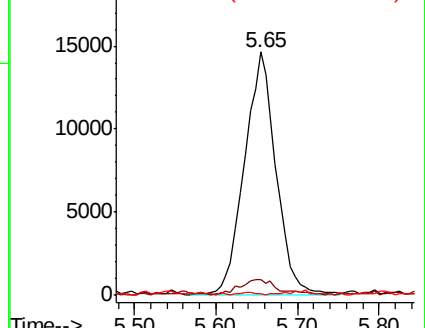
121 0.8 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.463 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

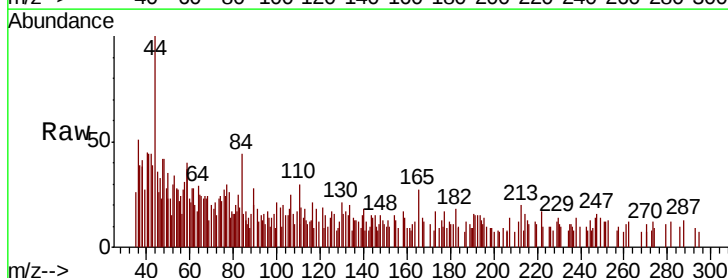
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 650.9 26.2 39.2#

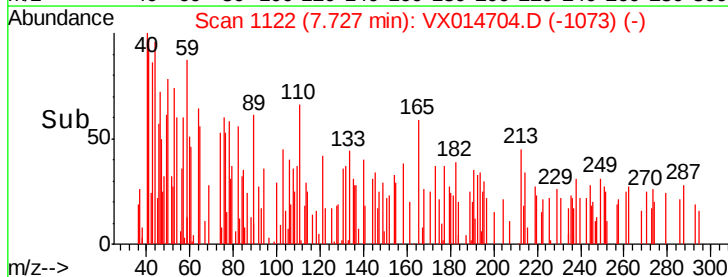
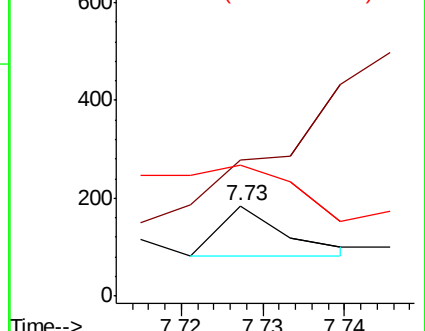
58 278.9 56.6 85.0#

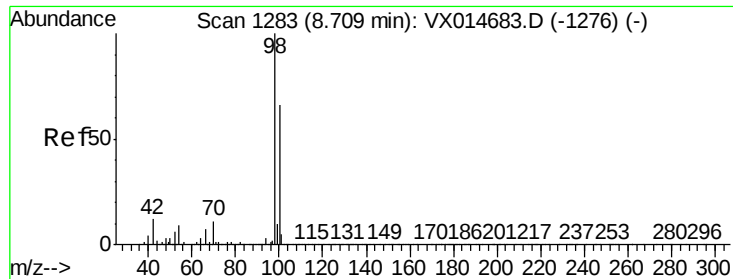


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.712 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

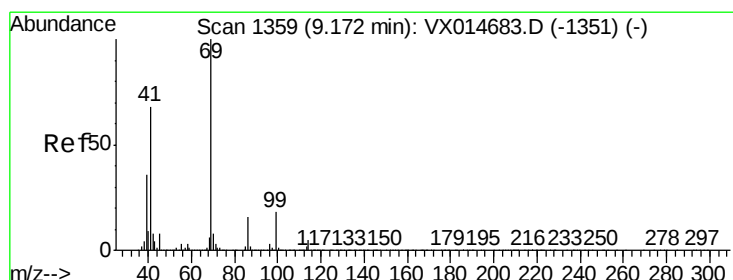
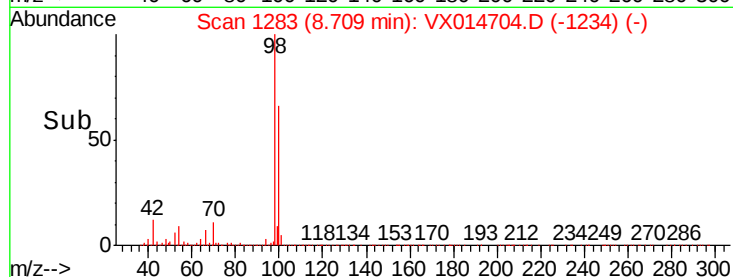
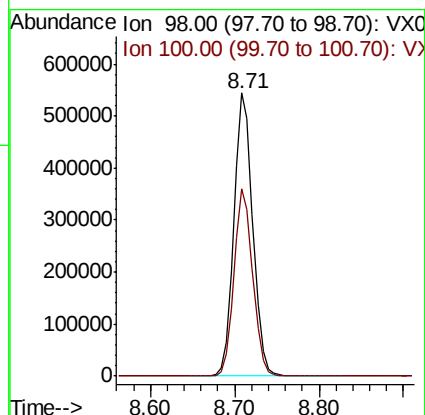
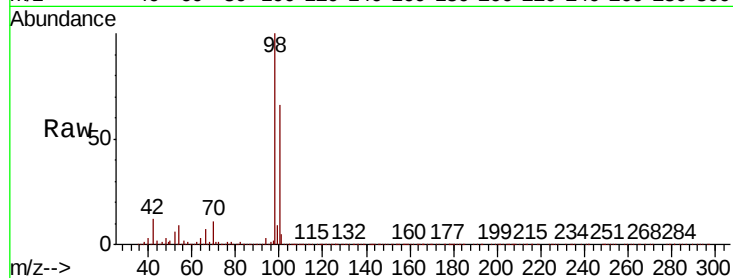
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 824699

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.814 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

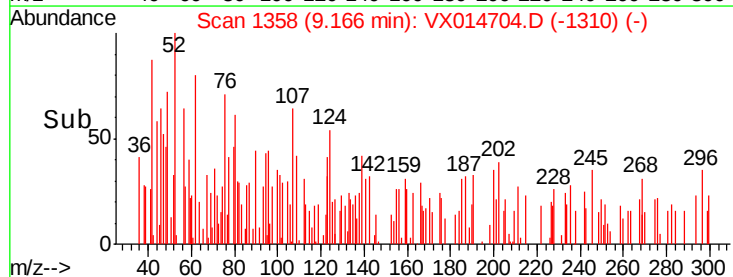
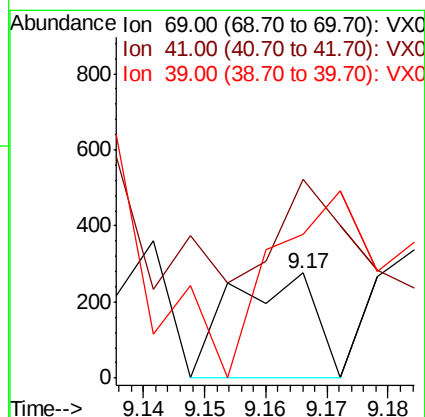
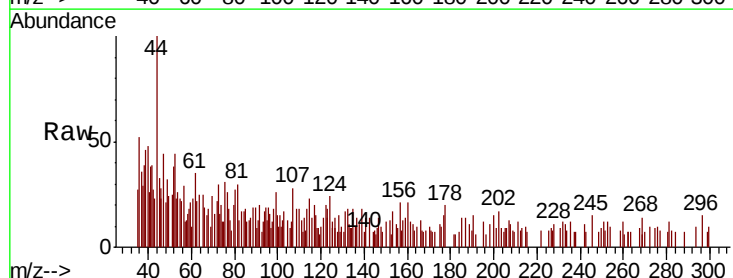
Tgt Ion: 69 Resp: 265

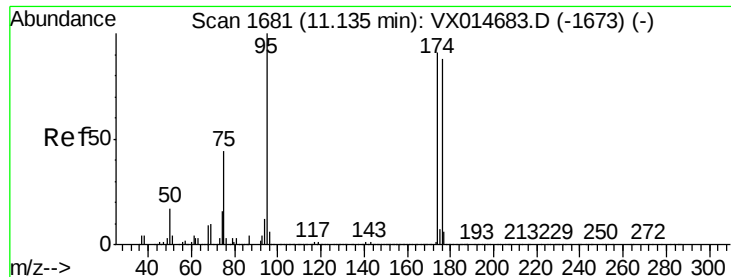
Ion Ratio Lower Upper

69 100

41 80.4 54.9 82.3

39 285.3 29.3 43.9#

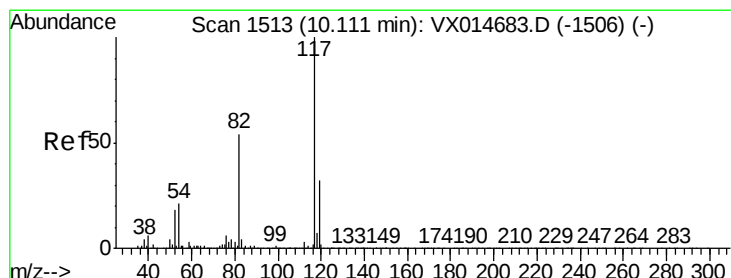
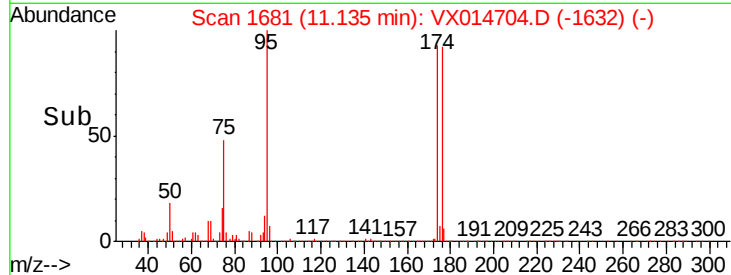
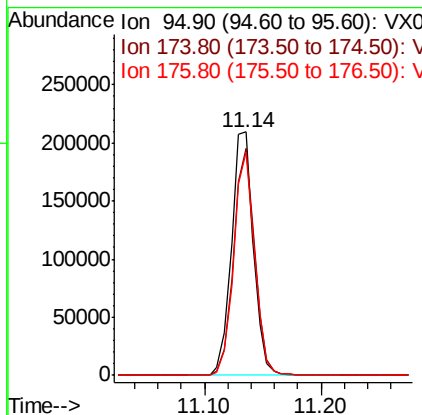
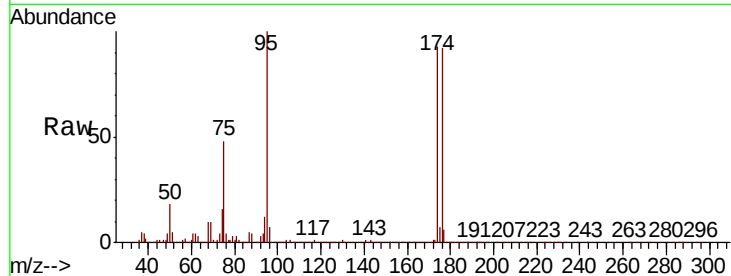




#62
4-Bromofluorobenzene
Concen: 45.737 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014704.D
Acq: 24 Jan 2020 18:06

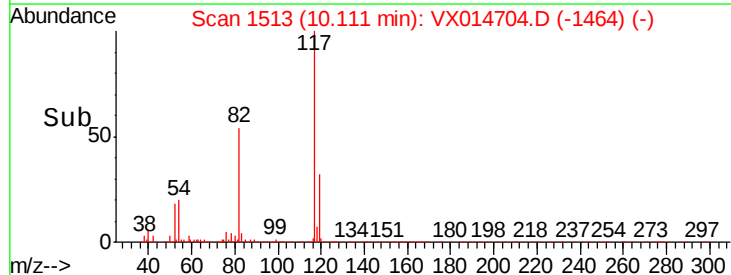
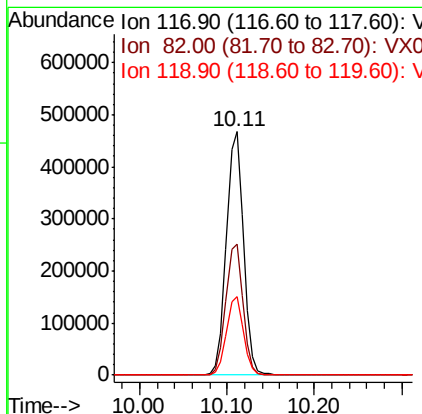
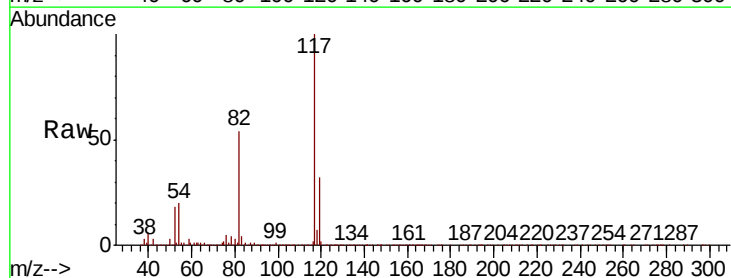
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

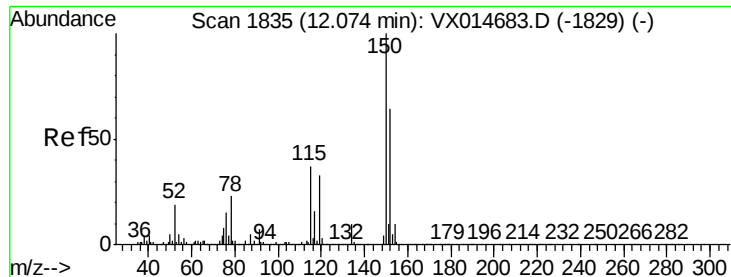
Tot Ion: 95 Resp: 275839
Ion Ratio Lower Upper
95 100
174 89.7 0.0 176.0
176 87.2 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014704.D
Acq: 24 Jan 2020 18:06

Tgt Ion: 117 Resp: 633871
Ion Ratio Lower Upper
117 100
82 53.6 43.2 64.8
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

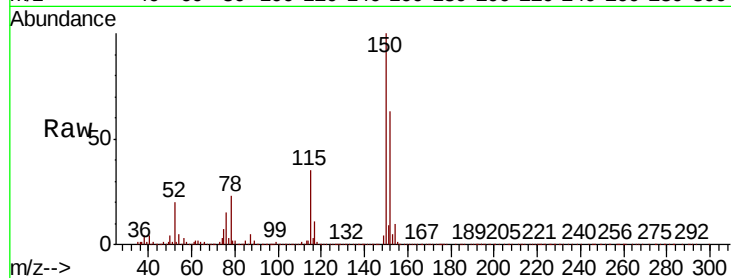
Tot Ion:152 Resp: 285852

Ion Ratio Lower Upper

152 100

115 55.7 39.4 118.1

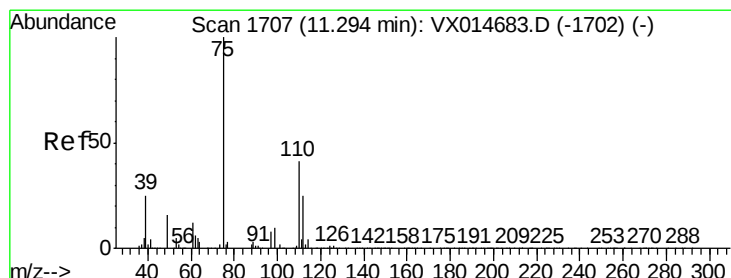
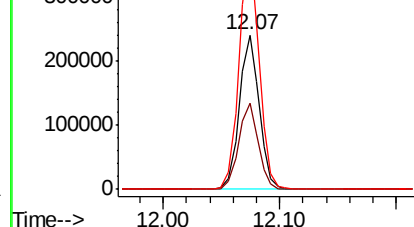
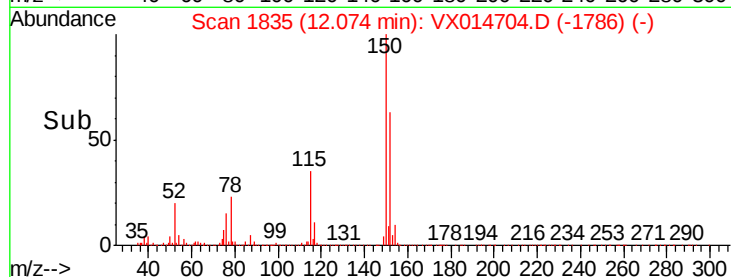
150 155.6 0.0 351.2



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: 20.690 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014704.D

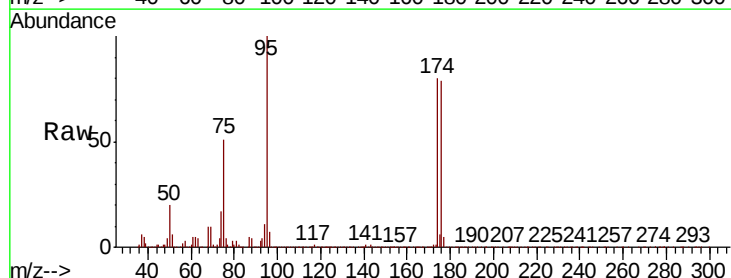
Acq: 24 Jan 2020 18:06

Tgt Ion: 75 Resp: 137601

Ion Ratio Lower Upper

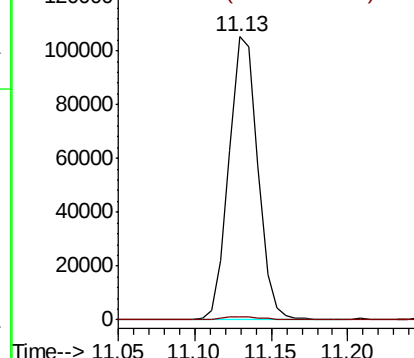
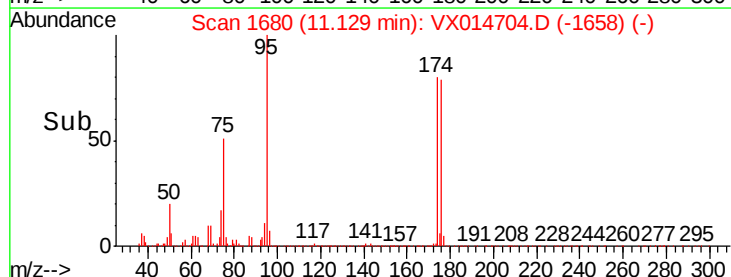
75 100

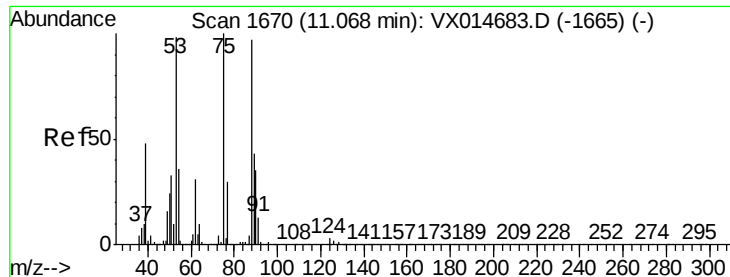
77 1.9 18.7 56.1#



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: 58.880 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

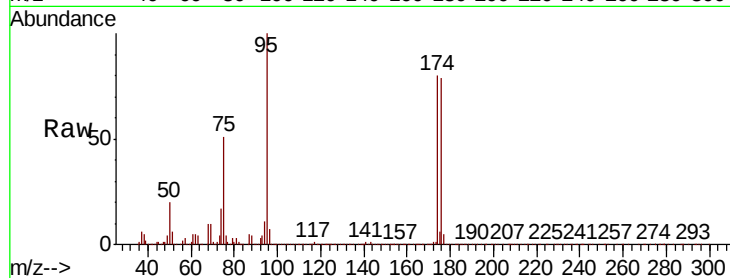
Tot Ion: 75 Resp: 137601

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

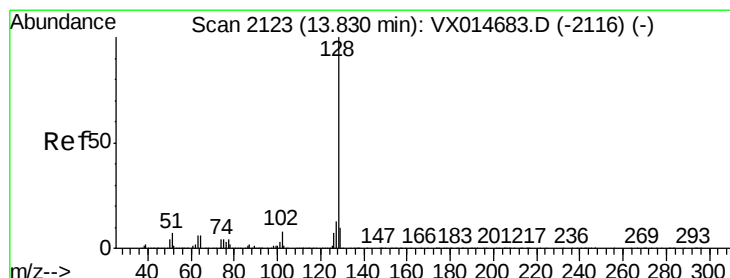
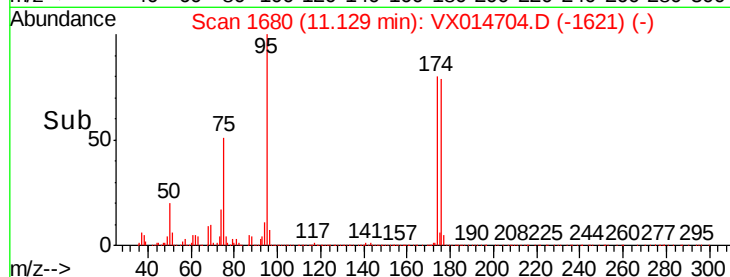
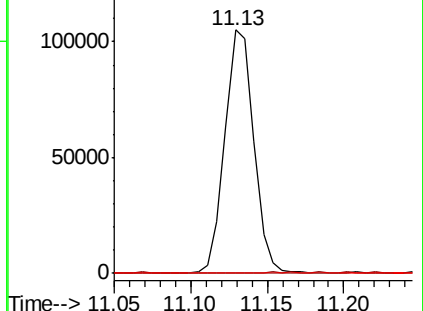
89 0.1 35.4 53.0#



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: 0.992 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX014704.D

Acq: 24 Jan 2020 18:06

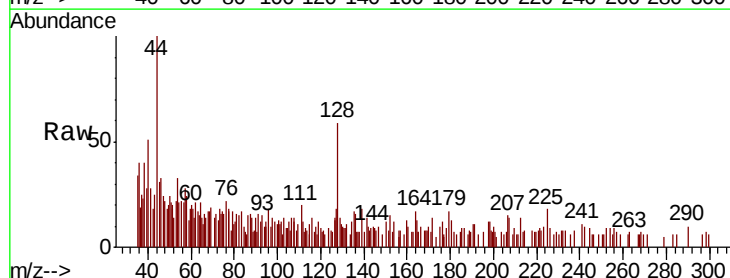
Tgt Ion: 128 Resp: 1226

Ion Ratio Lower Upper

128 100

127 32.8 10.3 15.5#

129 9.8 8.6 12.8



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

