

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012420\
 Data File : VX014703.D
 Acq On : 24 Jan 2020 17:43
 Operator : JC/SP
 Sample : L1250-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jan 24 22:34:00 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

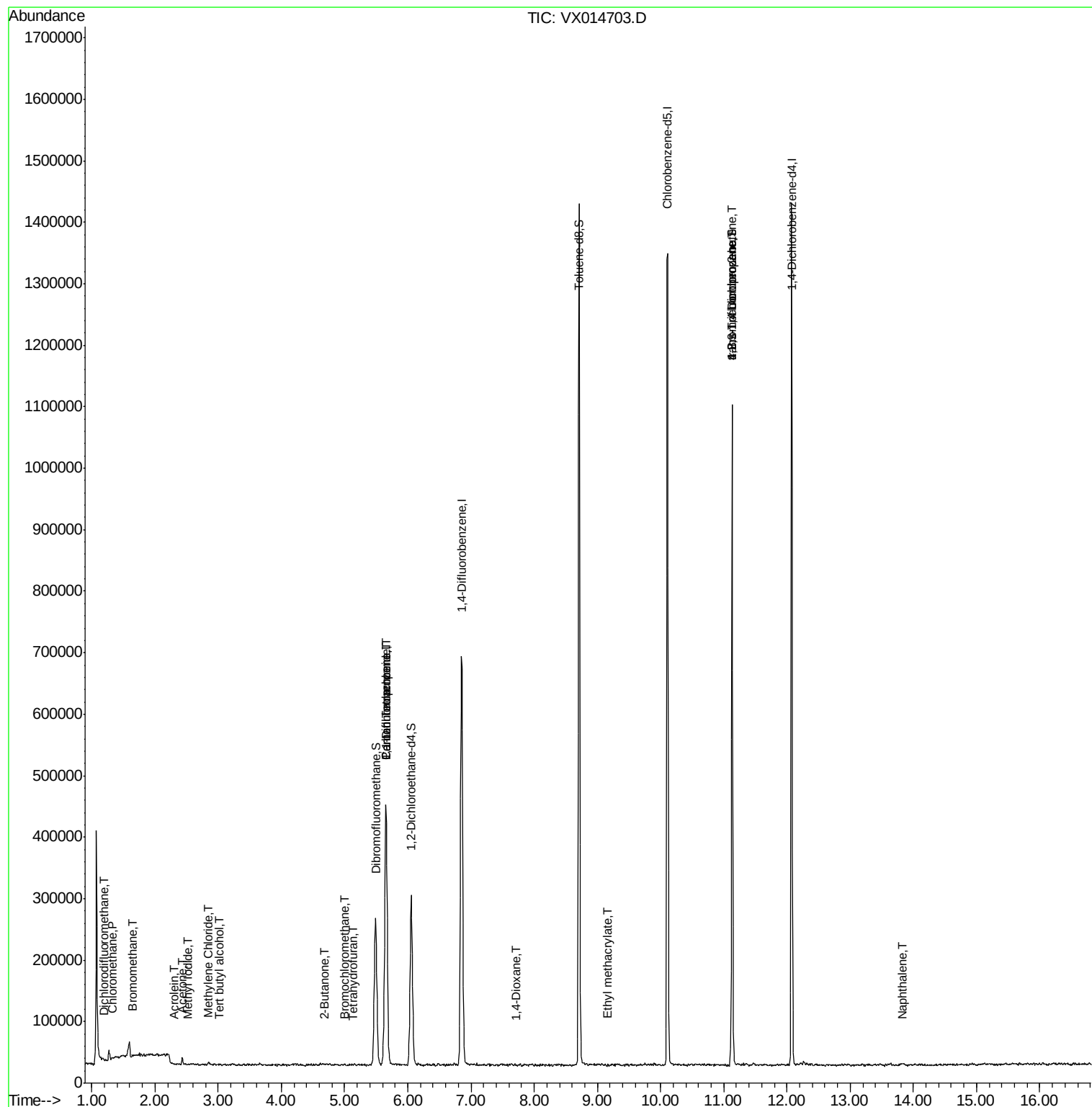
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	434268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	691409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	626837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	281335	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	252540	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
35) Dibromofluoromethane	5.49	113	209615	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
50) Toluene-d8	8.71	98	819956	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	275440	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	314	0.584	ug/l	79
3) Chloromethane	1.32	50	1597	0.272	ug/l #	87
5) Bromomethane	1.65	94	1198	0.278	ug/l #	77
6) Chloroethane	1.68	64	2364	Below Cal	#	49
10) Methyl Iodide	2.52	142	1186	0.208	ug/l #	80
11) Tert butyl alcohol	3.01	59	842	0.740	ug/l #	1
13) Acrolein	2.30	56	365	0.407	ug/l #	14
16) Acetone	2.43	43	11474	4.276	ug/l	100
20) Methylene Chloride	2.84	84	2031	0.395	ug/l #	73
25) 2-Butanone	4.68	43	1625	0.408	ug/l #	54
28) Bromochloromethane	4.99	49	1041	0.283	ug/l #	51
29) Tetrahydrofuran	5.13	42	1089	0.461	ug/l #	81
36) 1,1-Dichloropropene	5.65	75	30908	4.811	ug/l #	52
38) Carbon Tetrachloride	5.65	117	38045	6.201	ug/l #	16
41) Methacrylonitrile	5.06	41	363	Below Cal	#	1
49) 1,4-Dioxane	7.73	88	370	3.032	ug/l	92
56) Ethyl methacrylate	9.16	69	289	1.817	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	136432	20.844	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	136432	59.317	ug/l #	10
95) Naphthalene	13.83	128	1350	0.999	ug/l #	58

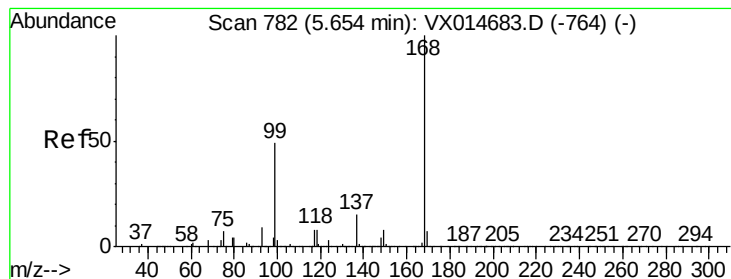
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

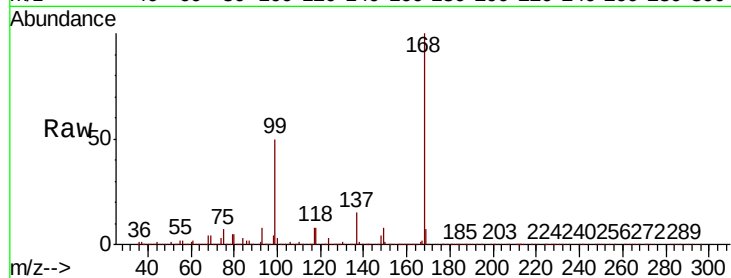
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 434268

Ion Ratio Lower Upper

168 100

99 49.7 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

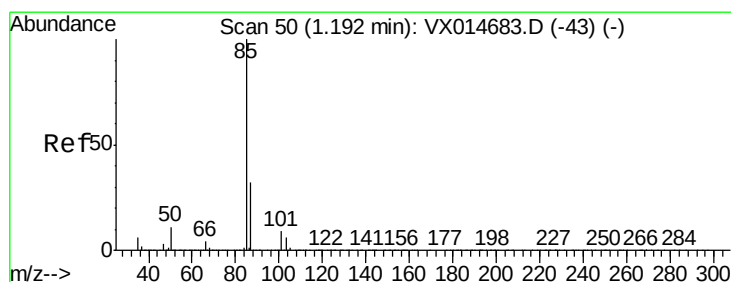
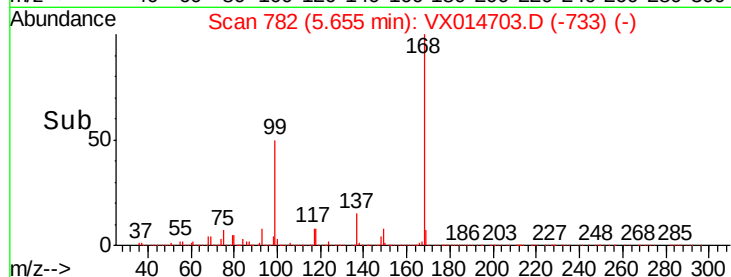
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.584 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX014703.D

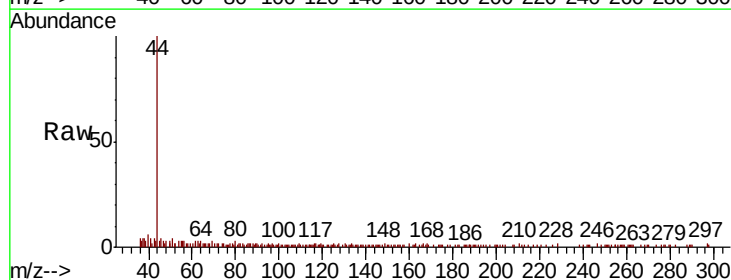
Acq: 24 Jan 2020 17:43

Tgt Ion: 85 Resp: 314

Ion Ratio Lower Upper

85 100

87 43.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

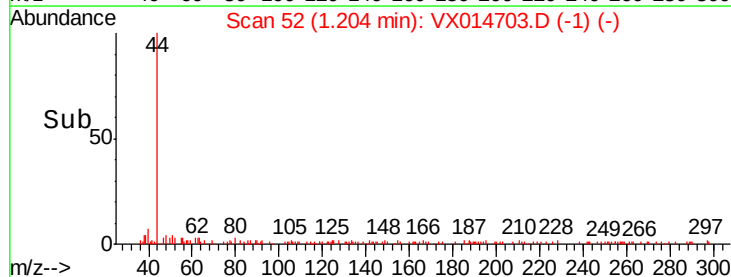
300

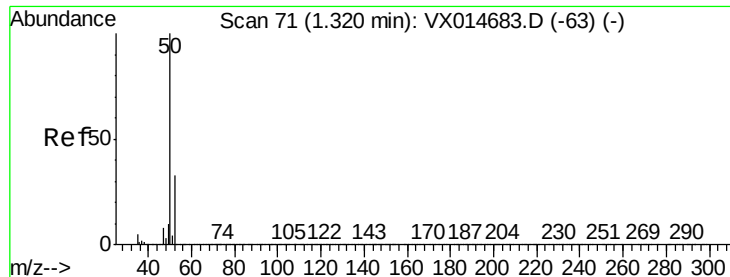
200

100

0

Time-->





#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

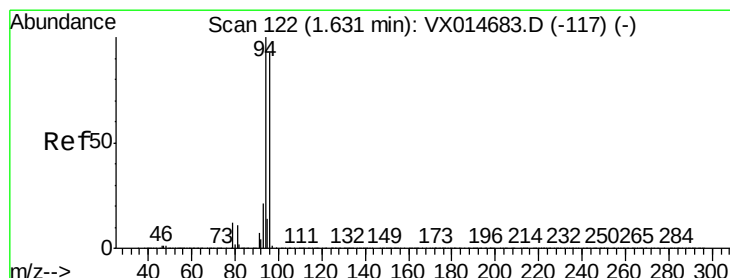
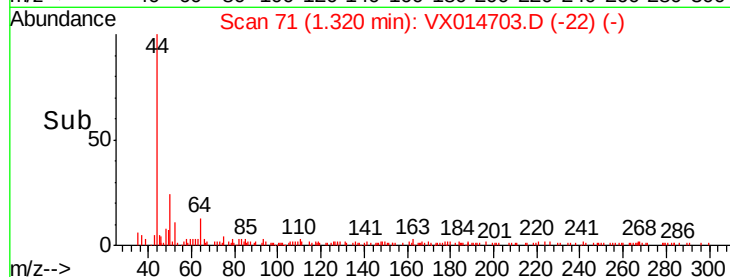
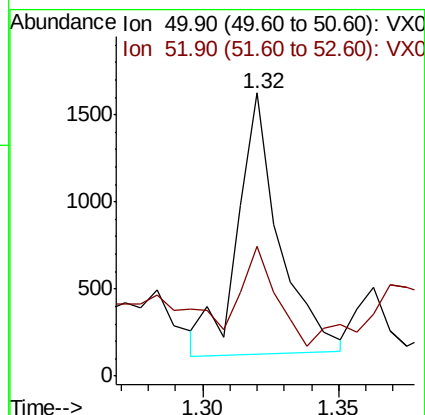
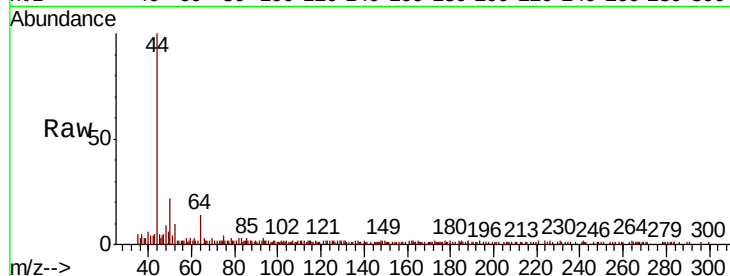
STORAGE-BLANK-WATER-REF-4

Tot Ion: 50 Resp: 1597

Ion Ratio Lower Upper

50 100

52 25.5 26.2 39.2#



#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014703.D

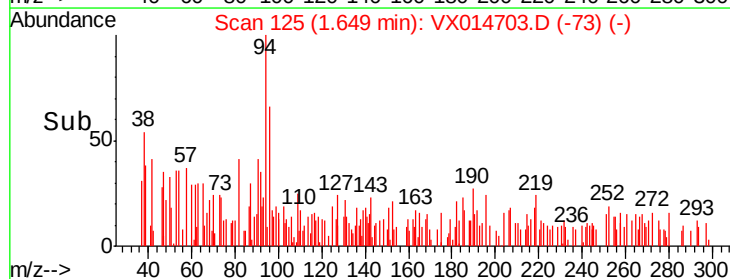
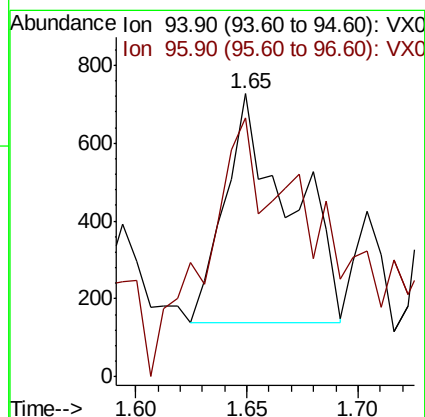
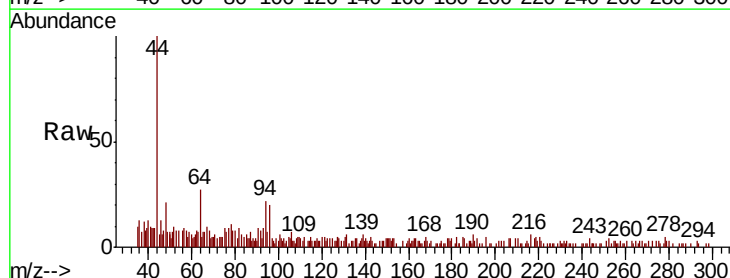
Acq: 24 Jan 2020 17:43

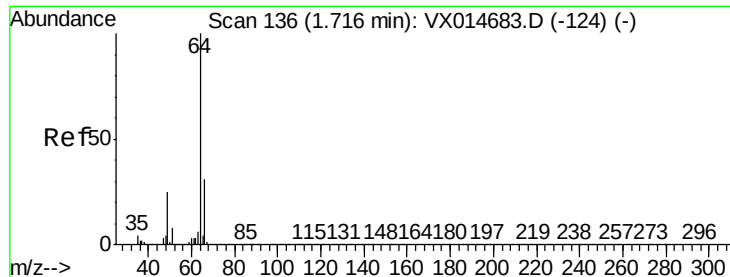
Tgt Ion: 94 Resp: 1198

Ion Ratio Lower Upper

94 100

96 71.8 74.7 112.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 130

Delta R.T. -0.04 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

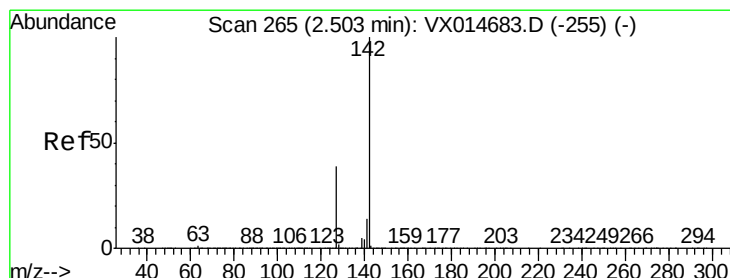
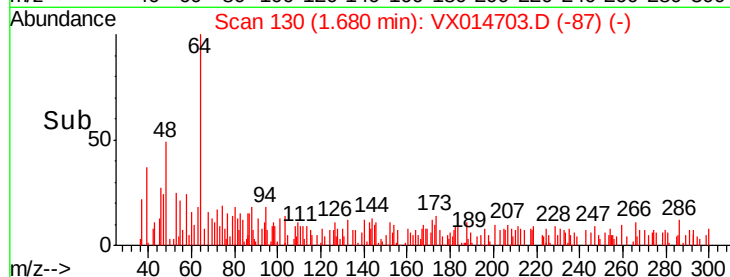
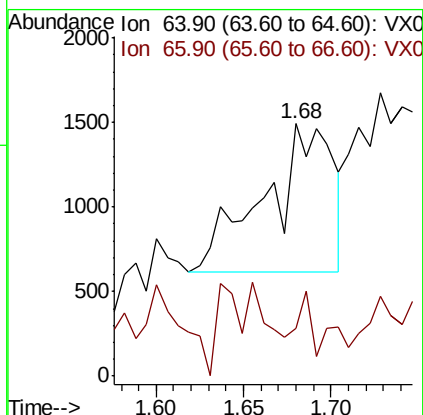
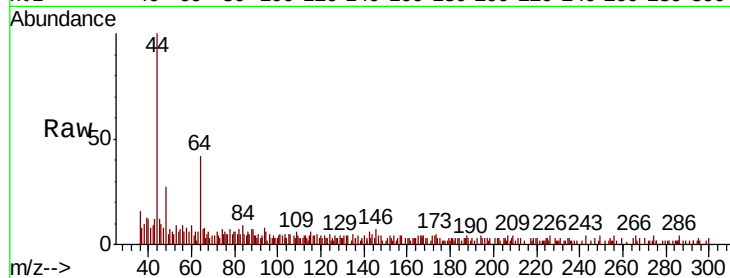
STORAGE-BLANK-WATER-REF-4

Tot Ion: 64 Resp: 2364

Ion Ratio Lower Upper

64 100

66 3.2 25.2 37.8#



#10

Methyl Iodide

Concen: 0.208 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

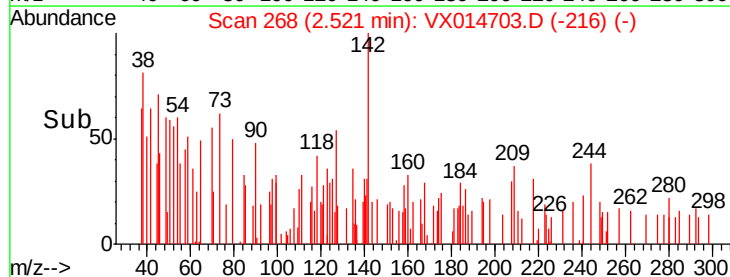
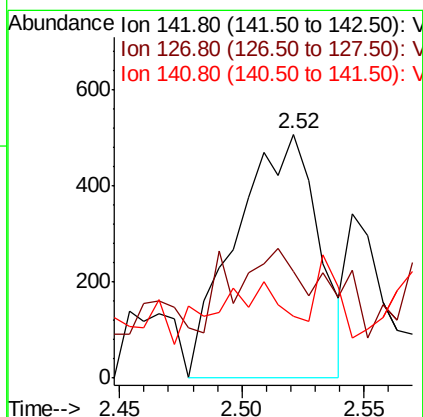
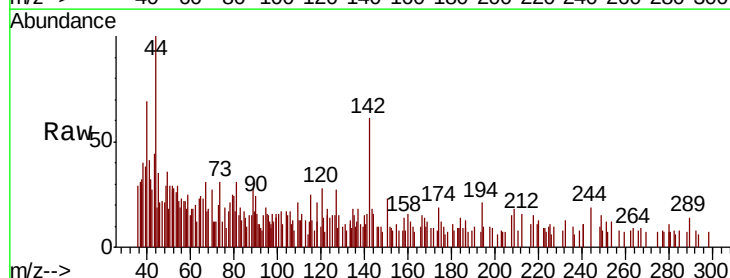
Tgt Ion: 142 Resp: 1186

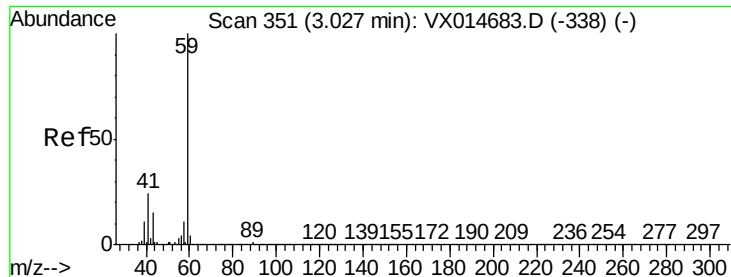
Ion Ratio Lower Upper

142 100

127 26.9 31.1 46.7#

141 22.4 11.3 16.9#



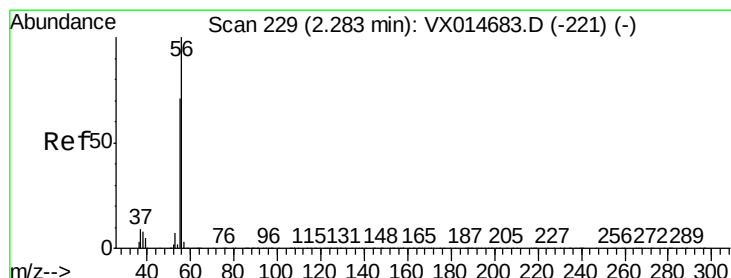
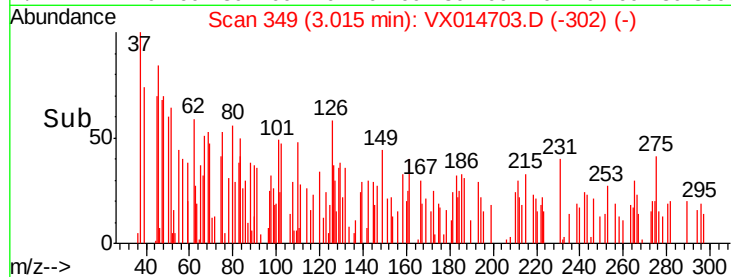
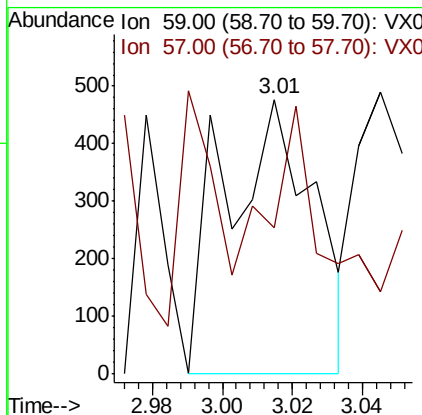
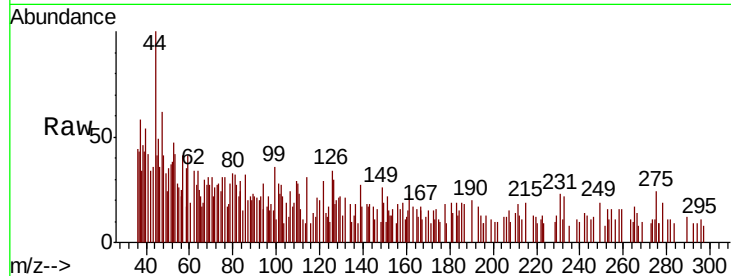


#11

Tert butyl alcohol
Concen: 0.740 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014703.D
Acq: 24 Jan 2020 17:43

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

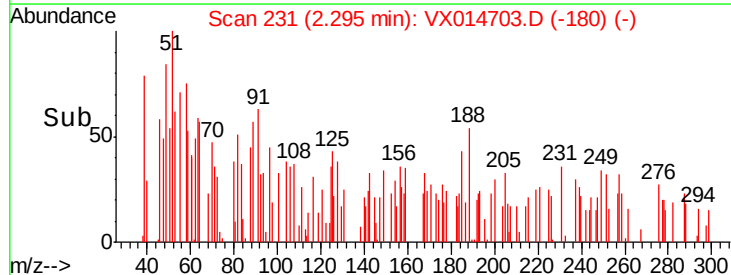
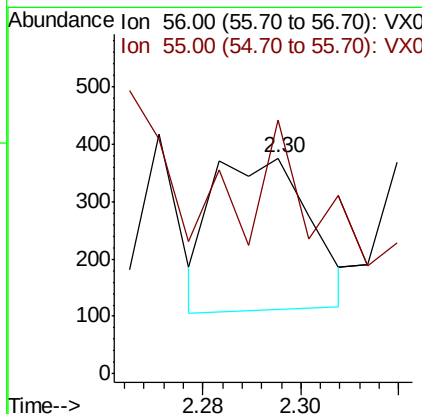
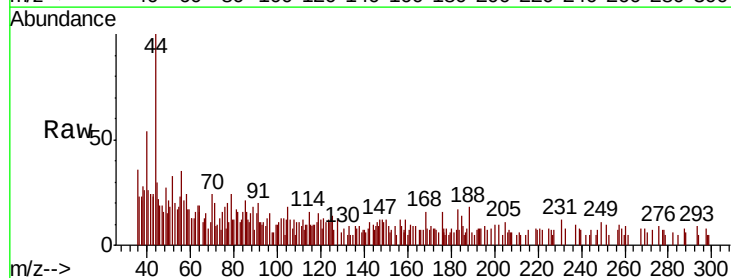
Tot Ion: 59 Resp: 842
Ion Ratio Lower Upper
59 100
57 53.1 8.3 12.5#

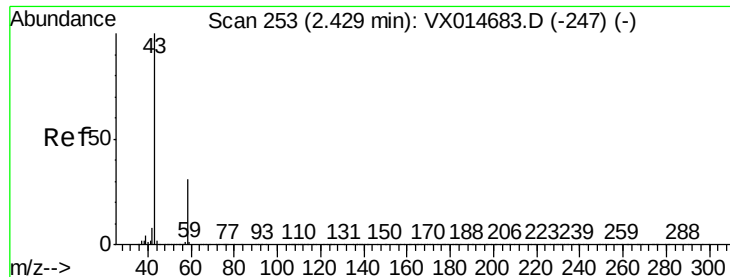


#13

Acrolein
Concen: 0.407 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014703.D
Acq: 24 Jan 2020 17:43

Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#





#16

Acetone

Concen: 4.276 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

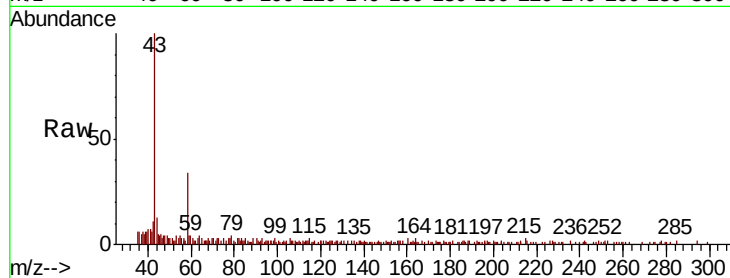
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 11474

Ion Ratio Lower Upper

43 100

58 30.8 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

6000

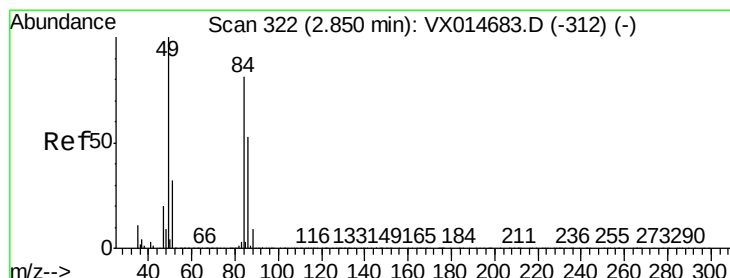
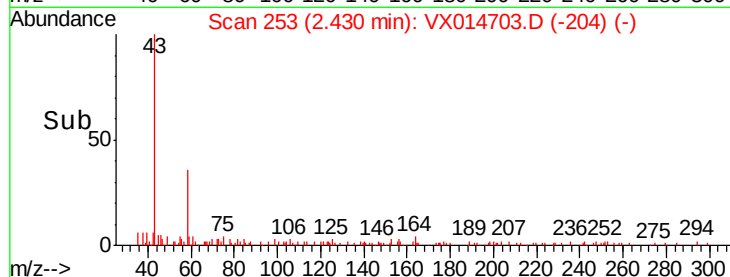
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.395 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Tgt Ion: 84 Resp: 2031

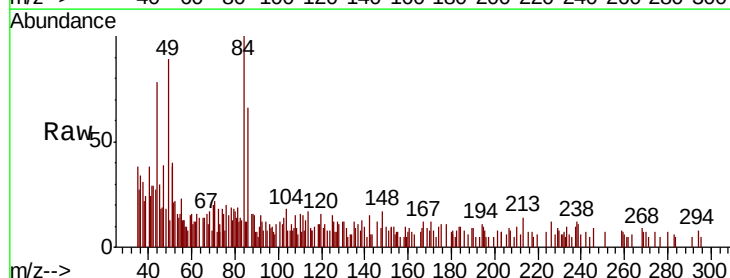
Ion Ratio Lower Upper

84 100

49 88.6 98.2 147.4#

51 74.3 31.3 46.9#

86 63.4 51.8 77.6



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

2000

1500

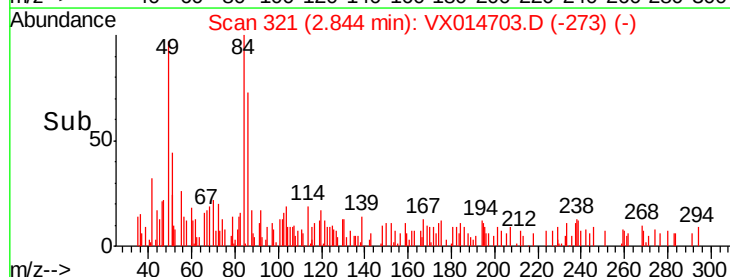
1000

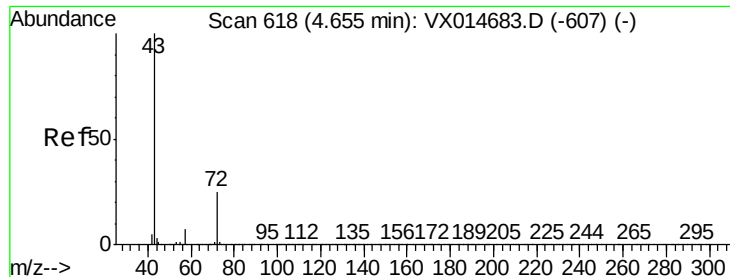
500

0

Time-->

2.80 2.85 2.90





#25

2-Butanone

Concen: 0.408 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

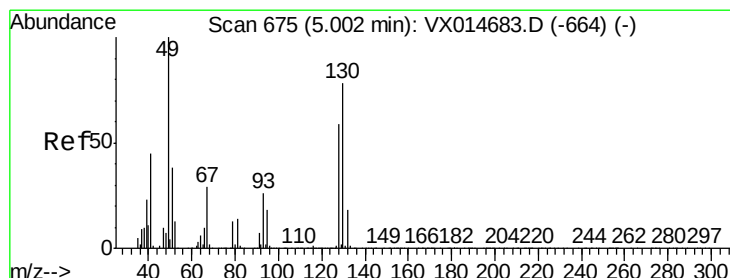
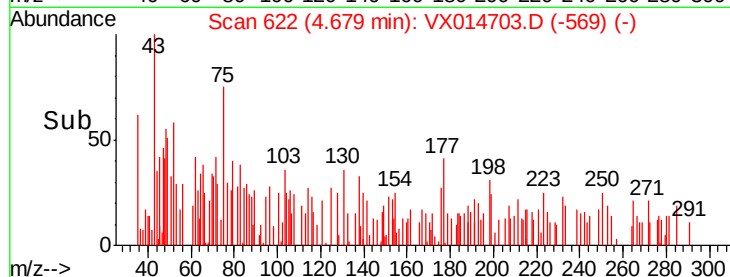
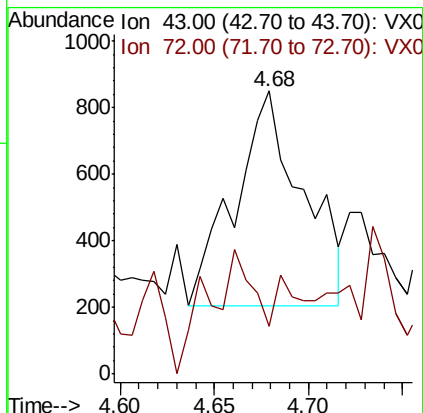
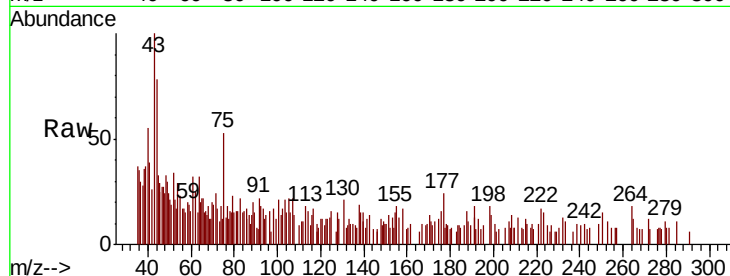
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 1625

Ion Ratio Lower Upper

43 100

72 2.0 19.9 29.9#



#28

Bromochloromethane

Concen: 0.283 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

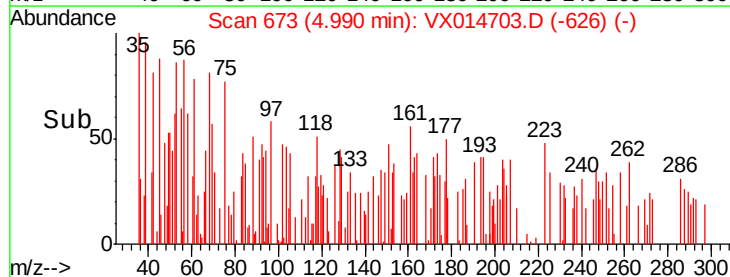
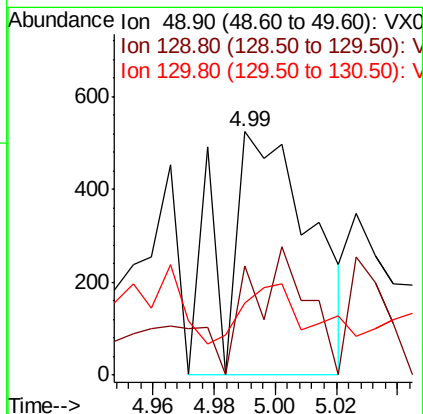
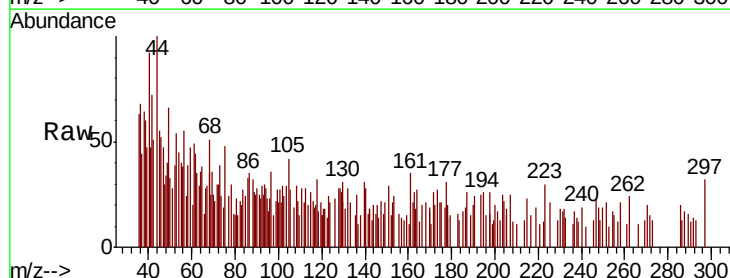
Tgt Ion: 49 Resp: 1041

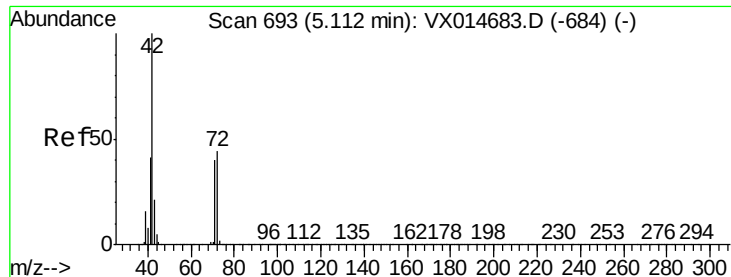
Ion Ratio Lower Upper

49 100

129 33.4 0.0 4.8#

130 36.6 62.4 93.6#





#29

Tetrahydrofuran

Concen: 0.461 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

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ClientSampleId :

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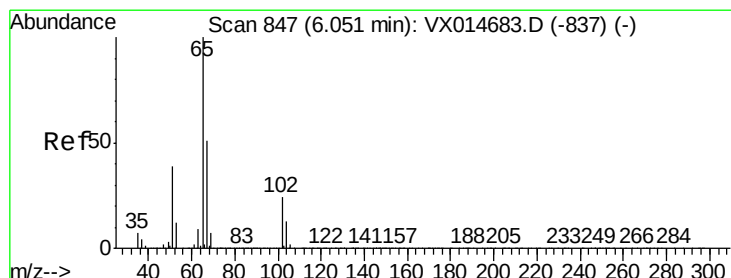
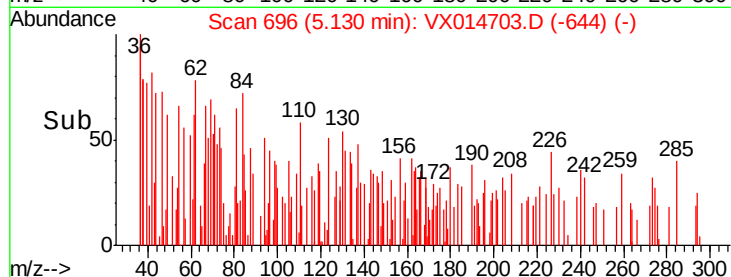
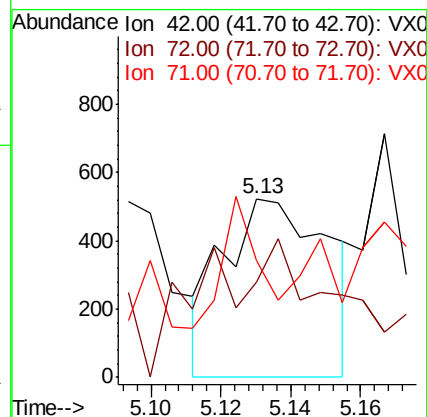
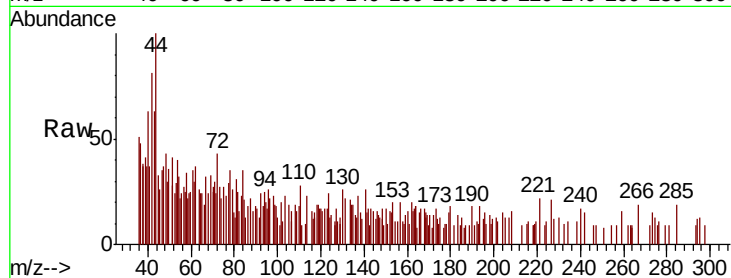
Tot Ion: 42 Resp: 1089

Ion Ratio Lower Upper

42 100

72 35.6 35.3 52.9

71 25.3 33.1 49.7#



#33

1,2-Dichloroethane-d4

Concen: 49.799 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014703.D

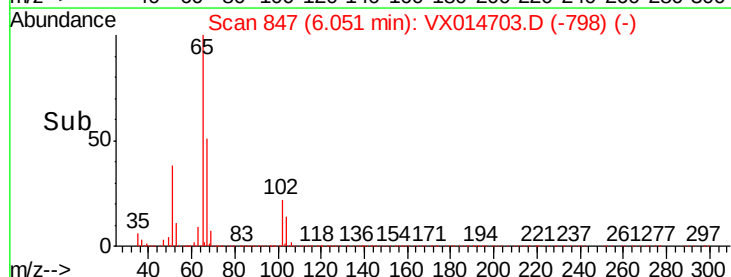
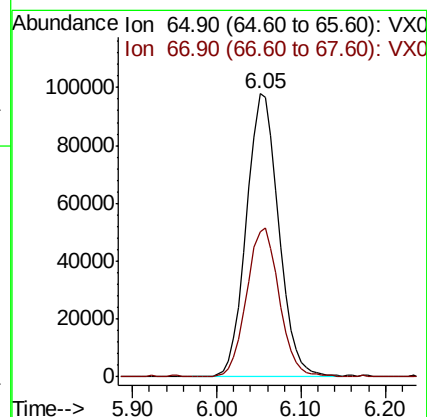
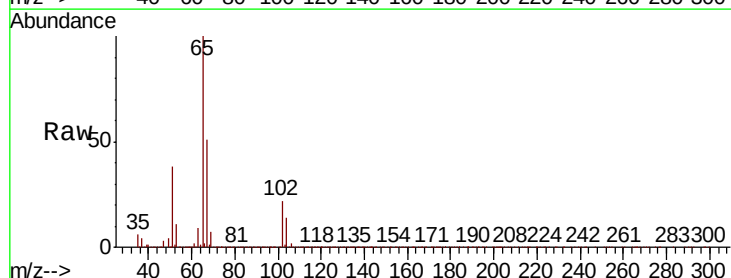
Acq: 24 Jan 2020 17:43

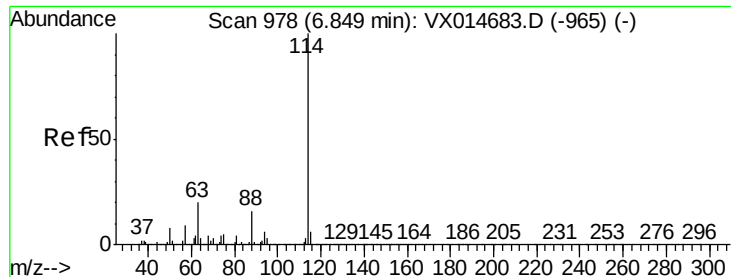
Tgt Ion: 65 Resp: 252540

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

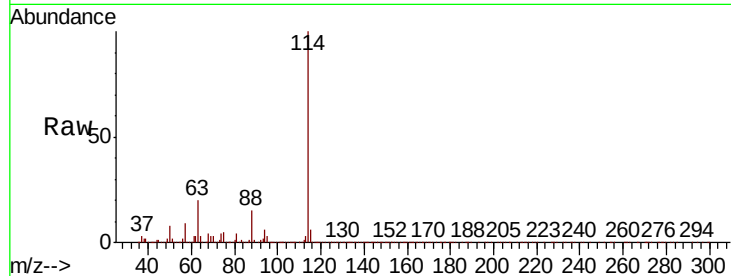
Tot Ion:114 Resp: 691409

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

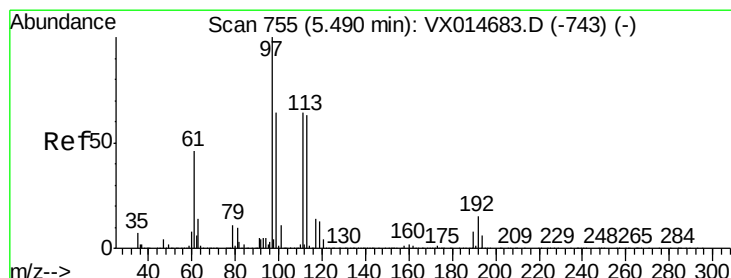
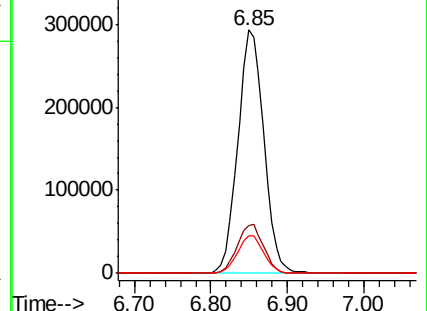
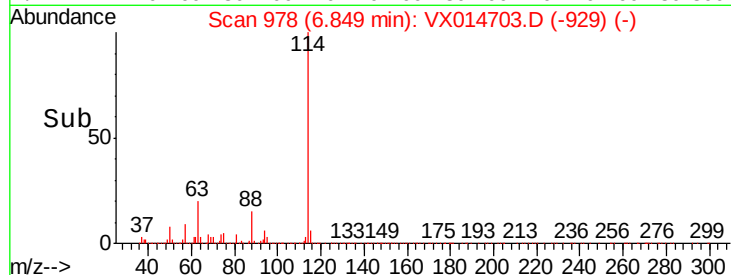
88 15.3 0.0 31.2



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: 48.047 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

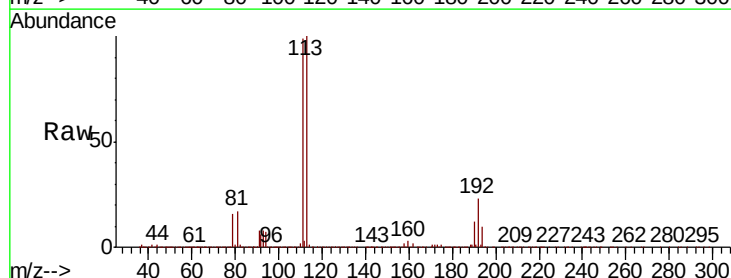
Tgt Ion:113 Resp: 209615

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

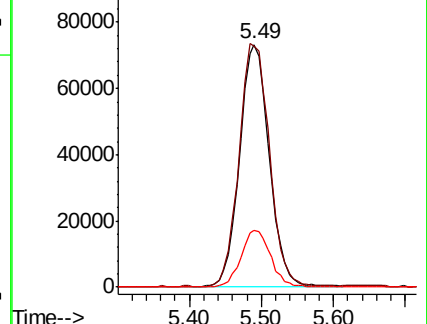
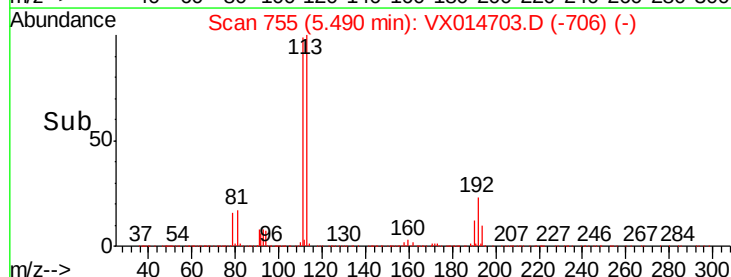
192 23.2 18.5 27.7

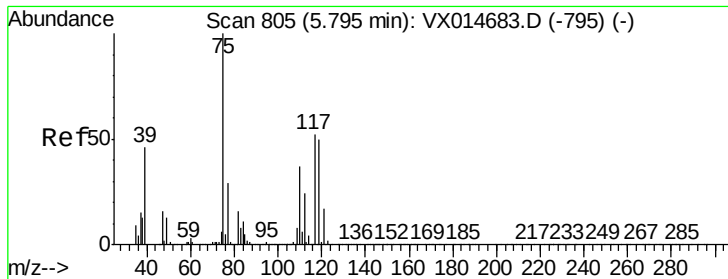


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

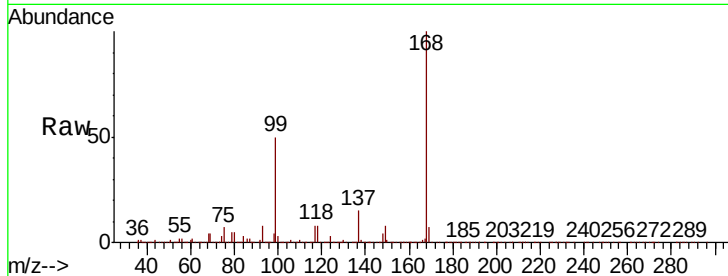




#36
 1,1-Dichloropropene
 Concen: 4.811 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014703.D
 Acq: 24 Jan 2020 17:43

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.9	53.7#
77	0.6	24.1	36.1#

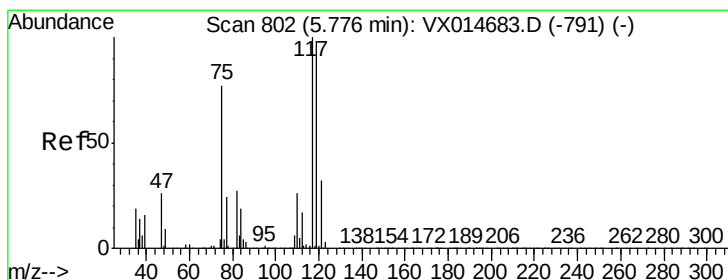
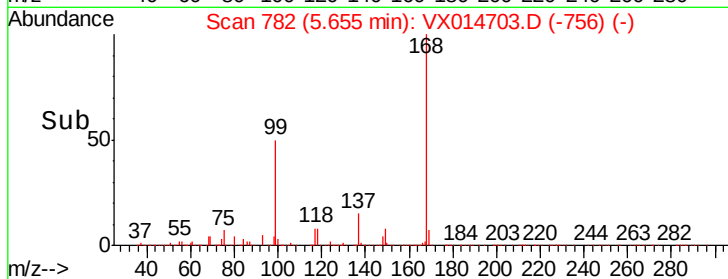
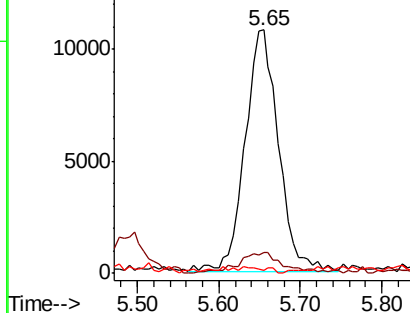


Abundance

Ion 74.90 (74.60 to 75.60): VX0

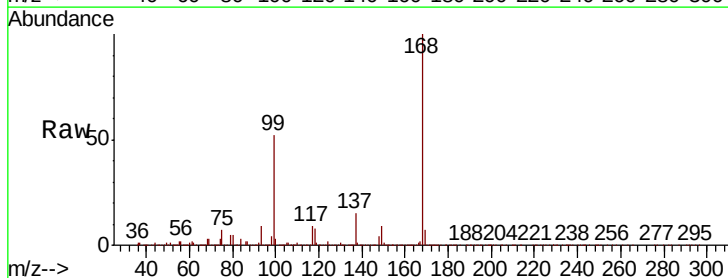
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 6.201 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014703.D
 Acq: 24 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.9	116.9#
121	1.0	25.4	38.2#

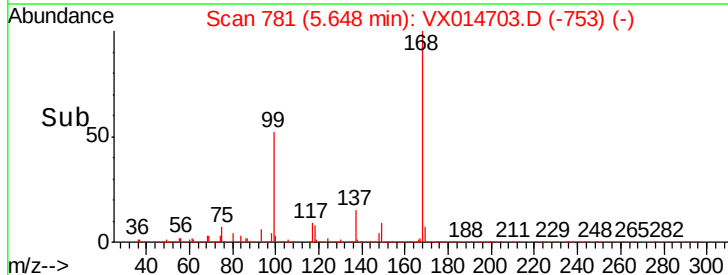
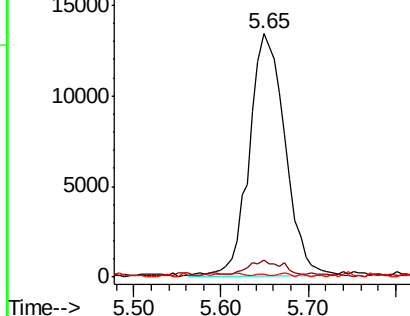


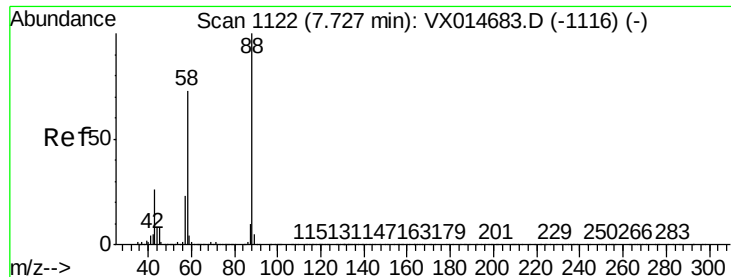
Abundance

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: 3.032 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

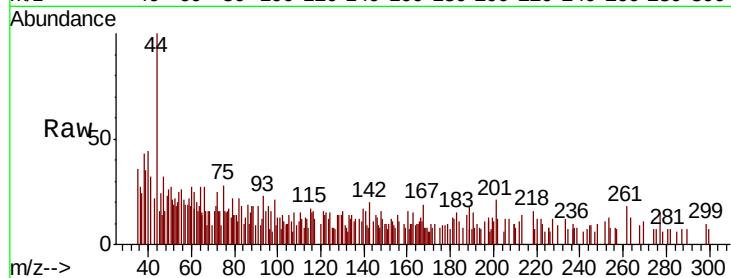
Tot Ion: 88 Resp: 370

Ion Ratio Lower Upper

88 100

43 38.9 26.2 39.2

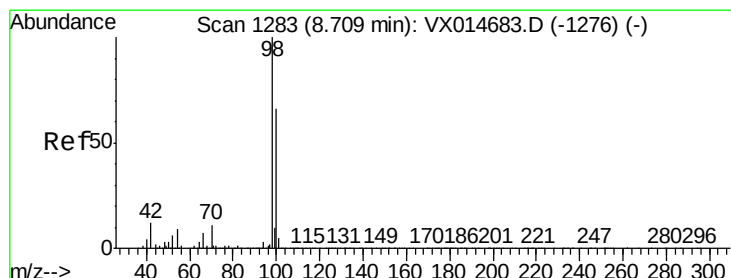
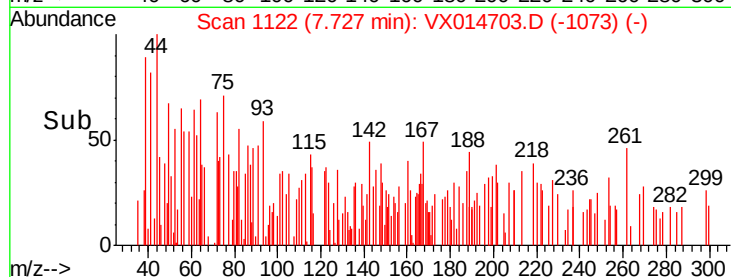
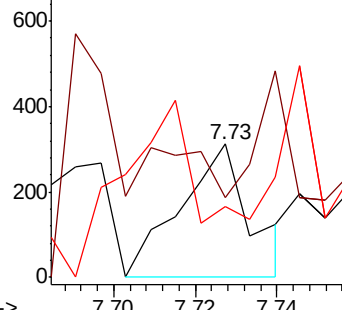
58 65.7 56.6 85.0



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: 48.888 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014703.D

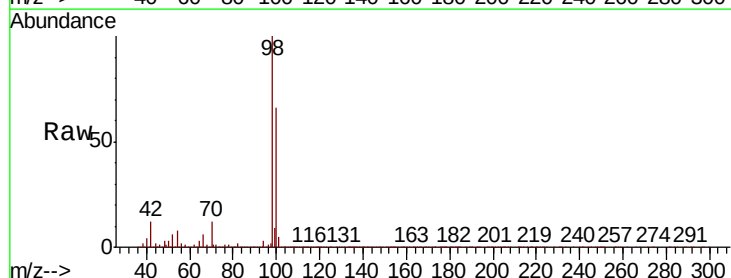
Acq: 24 Jan 2020 17:43

Tgt Ion: 98 Resp: 819956

Ion Ratio Lower Upper

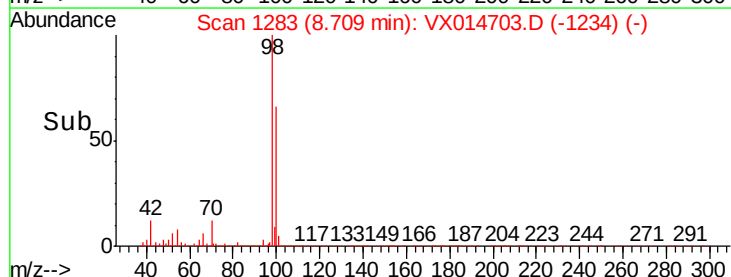
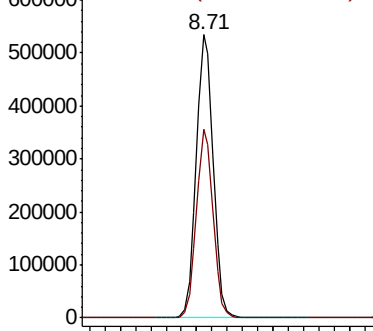
98 100

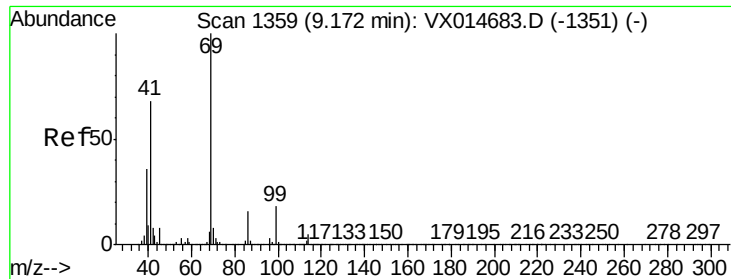
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

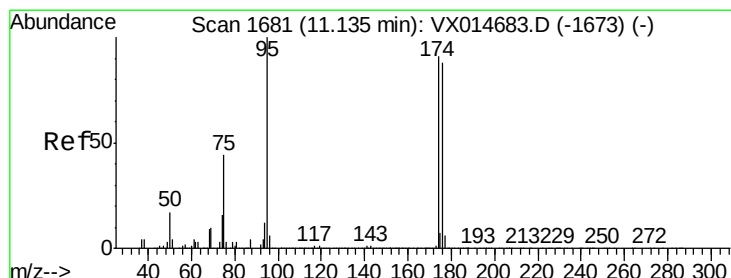
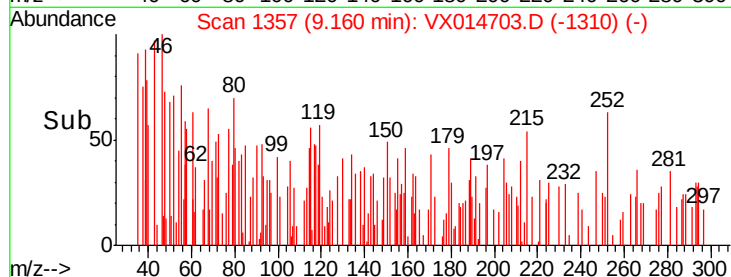
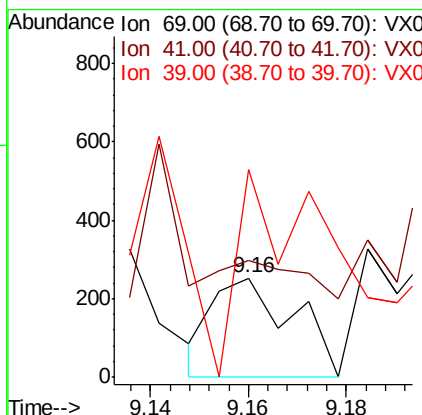
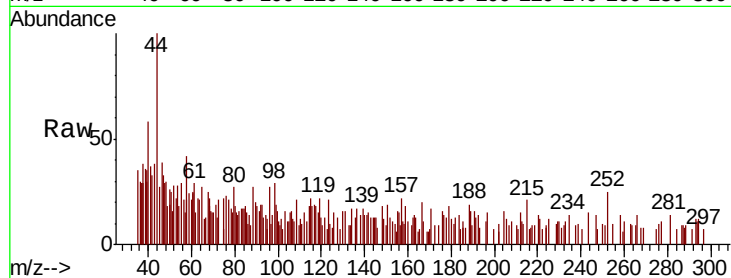




#56
Ethyl methacrylate
Concen: 1.817 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX014703.D
Acq: 24 Jan 2020 17:43

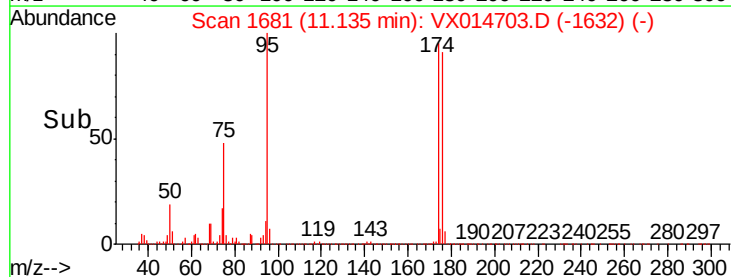
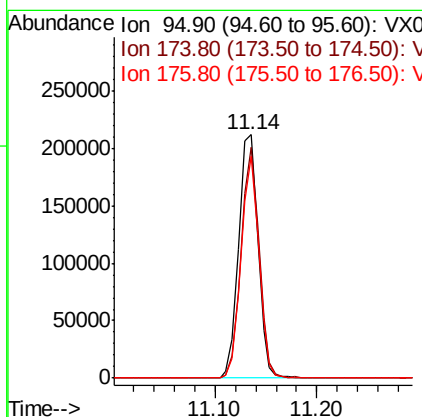
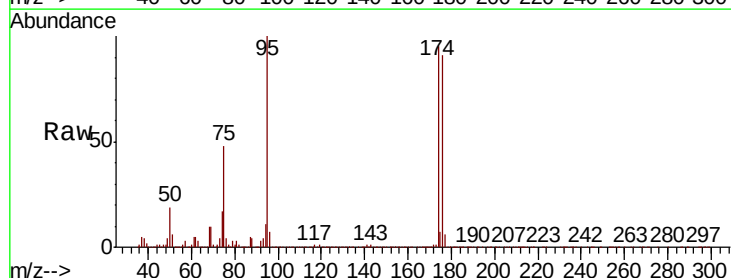
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

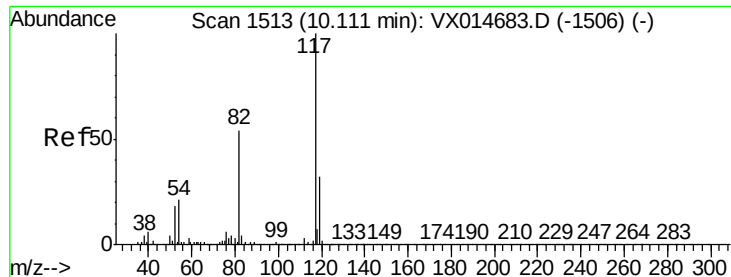
Tot Ion: 69 Resp: 289
Ion Ratio Lower Upper
69 100
41 0.0 54.9 82.3#
39 290.7 29.3 43.9#



#62
4-Bromofluorobenzene
Concen: 46.102 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014703.D
Acq: 24 Jan 2020 17:43

Tgt Ion: 95 Resp: 275440
Ion Ratio Lower Upper
95 100
174 88.8 0.0 176.0
176 84.8 0.0 172.2

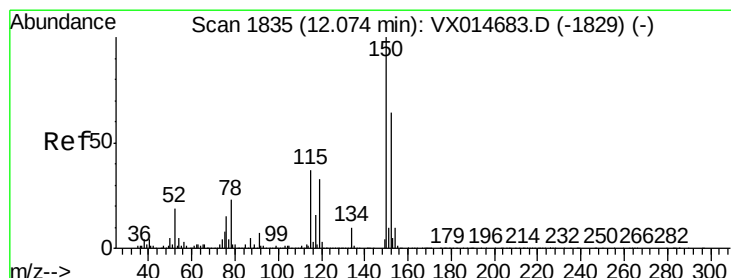
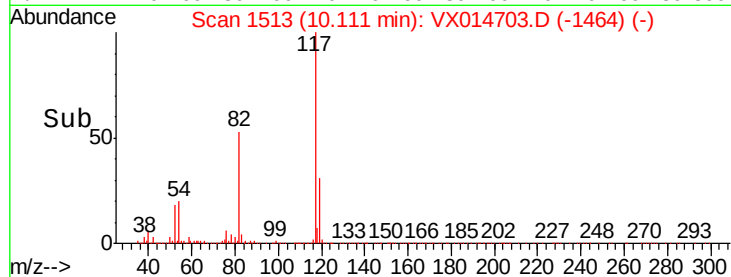
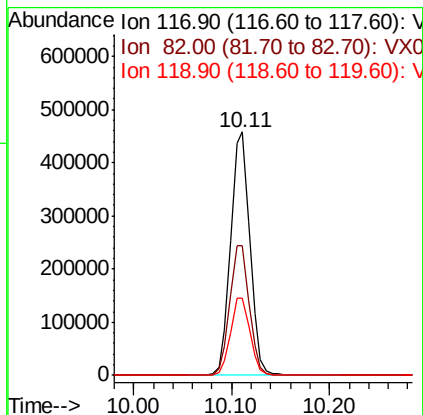
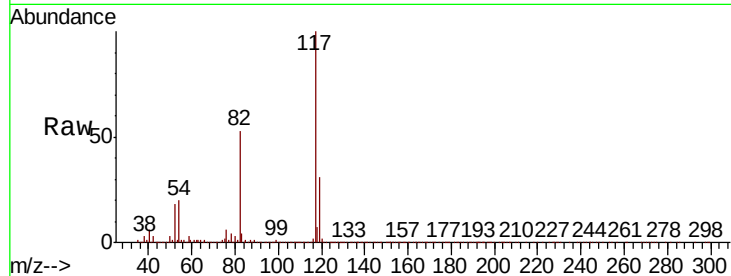




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014703.D
Acq: 24 Jan 2020 17:43

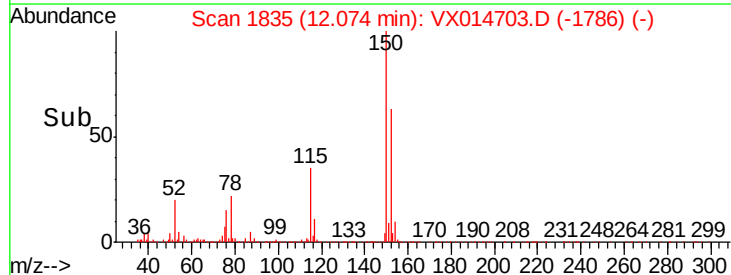
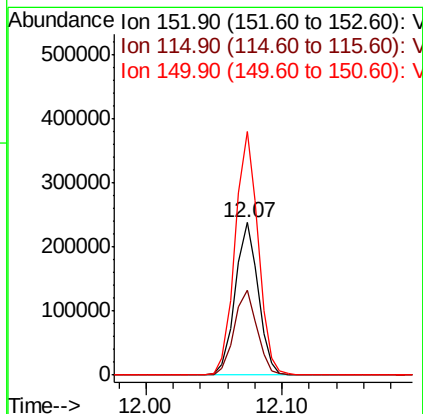
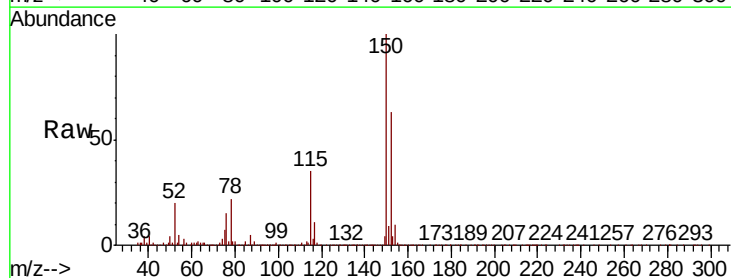
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

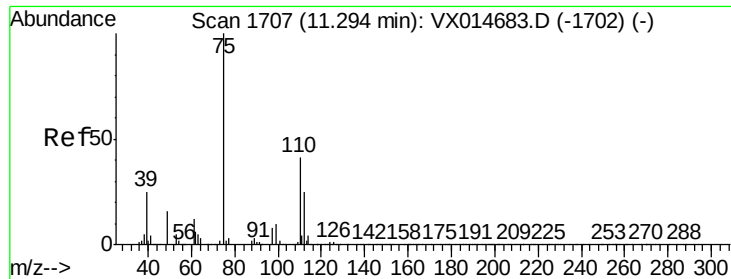
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.2	64.8
119	31.4	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014703.D
Acq: 24 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.4	118.1
150	159.2	0.0	351.2





#76

1,2,3-Trichloropropane

Concen: 20.844 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

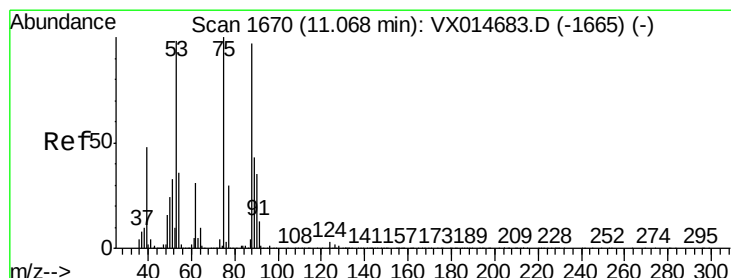
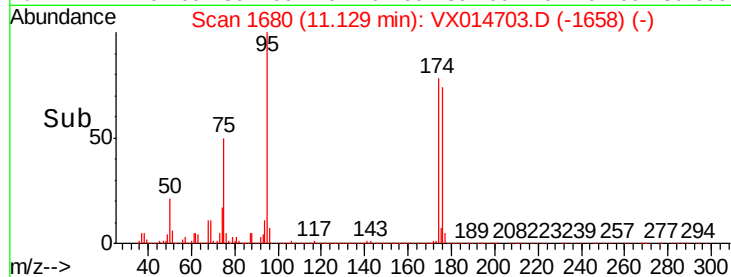
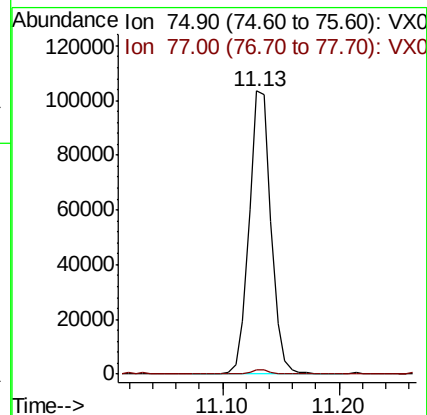
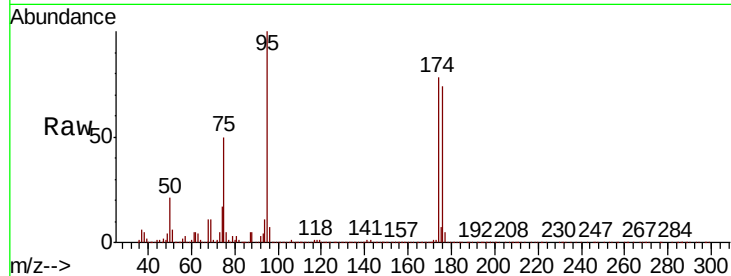
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 136432

Ion Ratio Lower Upper

75 100

77 1.1 18.7 56.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.317 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

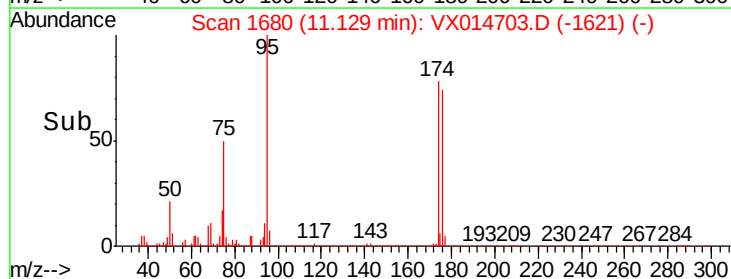
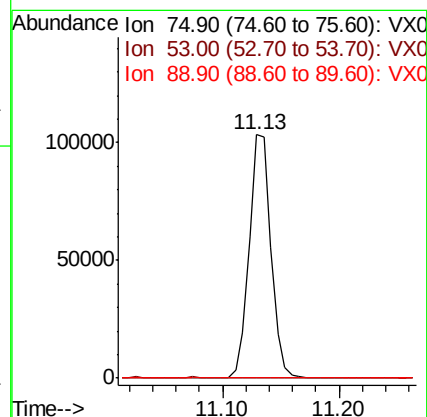
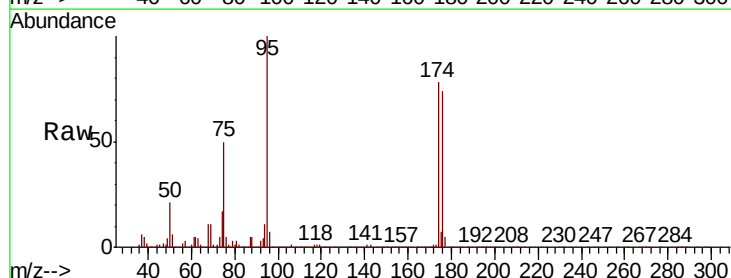
Tgt Ion: 75 Resp: 136432

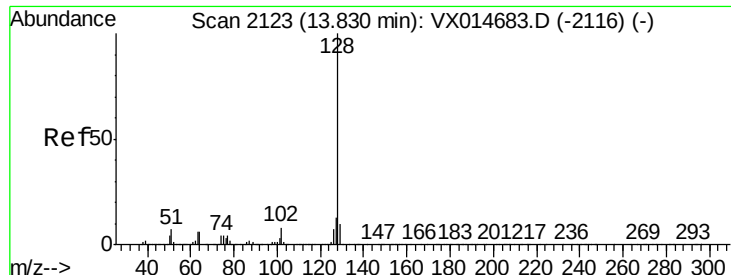
Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 35.4 53.0#





#95

Naphthalene

Concen: 0.999 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014703.D

Acq: 24 Jan 2020 17:43

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

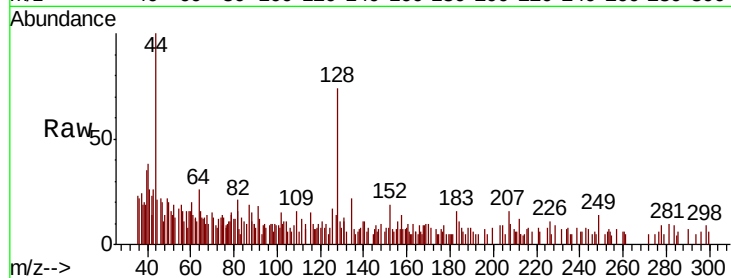
Tot Ion:128 Resp: 1350

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 30.6 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

