

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX013120\
 Data File : VX014783.D
 Acq On : 31 Jan 2020 15:56
 Operator : JC/SP
 Sample : L1344-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jan 31 16:40:03 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	426319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	674556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	620122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	276439	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	253857	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	5.48	113	207079	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	8.71	98	808976	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	268742	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	

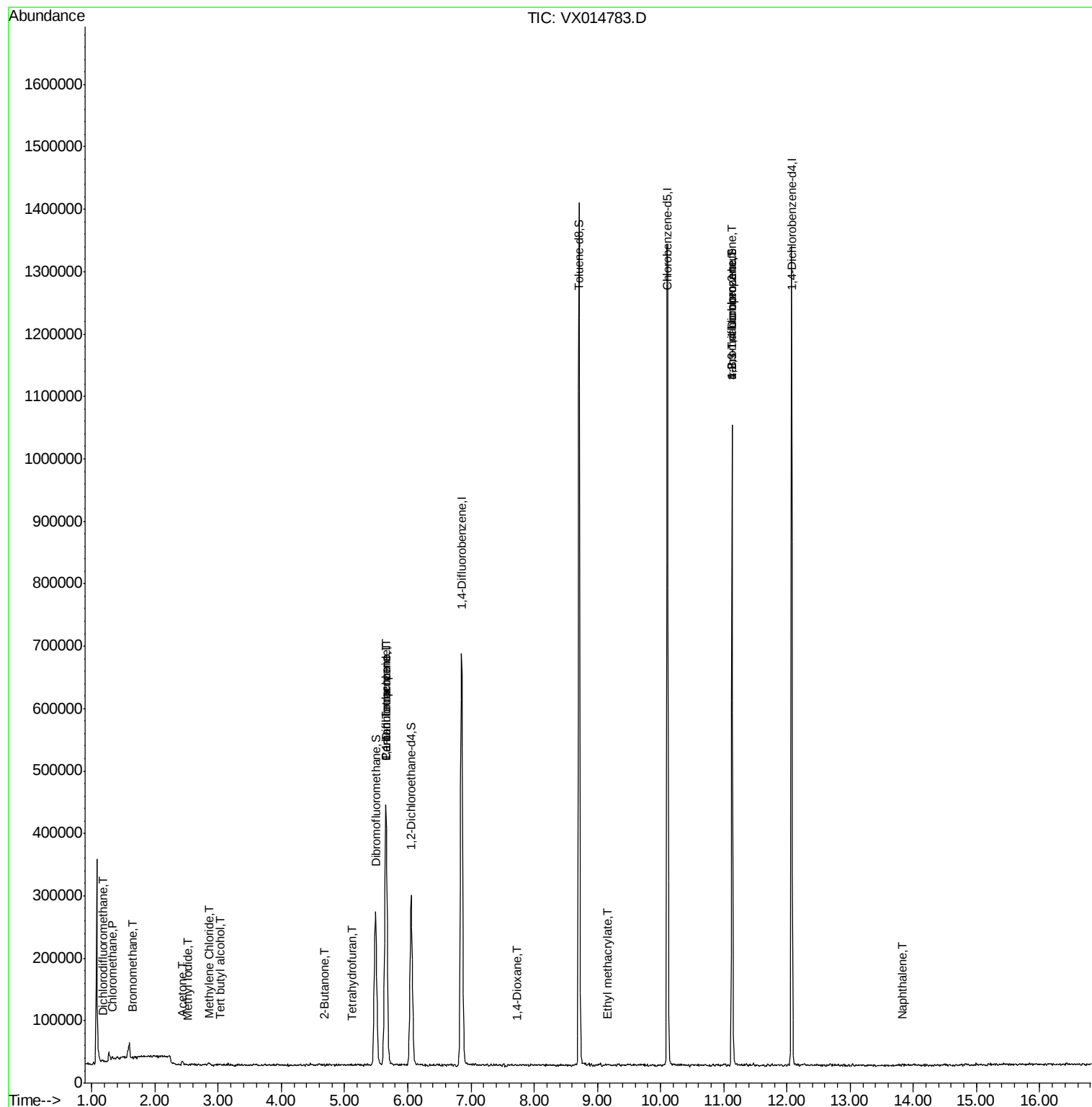
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	235	0.57	ug/l	# 42
3) Chloromethane	1.32	50	1619	0.28	ug/l	97
5) Bromomethane	1.65	94	1529	0.36	ug/l	83
6) Chloroethane	1.72	64	2234	Below Cal	#	56
10) Methyl Iodide	2.51	142	1560	0.28	ug/l	# 87
11) Tert butyl alcohol	3.03	59	911	0.82	ug/l	# 72
16) Acetone	2.43	43	6427	2.50	ug/l	# 88
20) Methylene Chloride	2.85	84	1367	0.27	ug/l	# 57
25) 2-Butanone	4.67	43	1160	0.30	ug/l	# 69
29) Tetrahydrofuran	5.12	42	570	0.25	ug/l	# 54
36) 1,1-Dichloropropene	5.65	75	30946	4.94	ug/l	# 51
38) Carbon Tetrachloride	5.65	117	39228	6.55	ug/l	# 15
41) Methacrylonitrile	5.01	41	368	Below Cal	#	41
49) 1,4-Dioxane	7.72	88	466	3.91	ug/l	89
56) Ethyl methacrylate	9.16	69	80	1.79	ug/l	# 1
76) 1,2,3-Trichloropropane	11.13	75	135239	21.03	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	11.13	75	135239	59.84	ug/l	# 11
95) Naphthalene	13.83	128	1054	0.98	ug/l	# 91

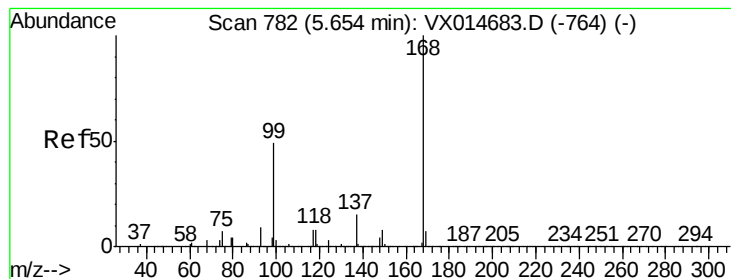
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

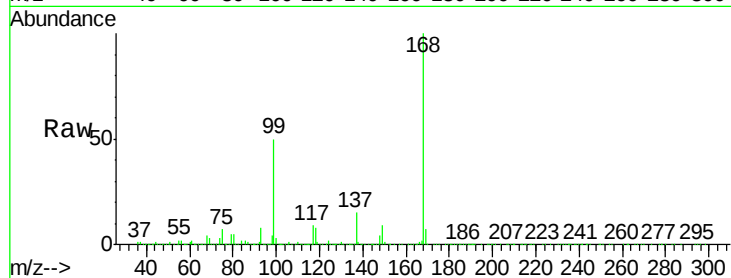
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:168 Resp: 426319

Ion Ratio Lower Upper

168 100

99 50.2 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

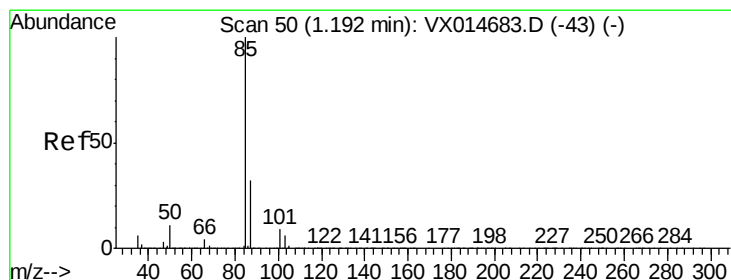
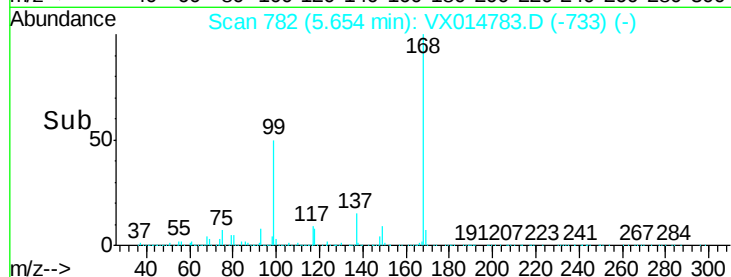
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.57 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX014783.D

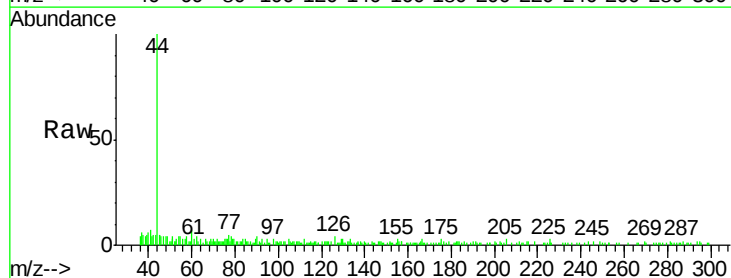
Acq: 31 Jan 2020 15:56

Tgt Ion: 85 Resp: 235

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

1.18

300

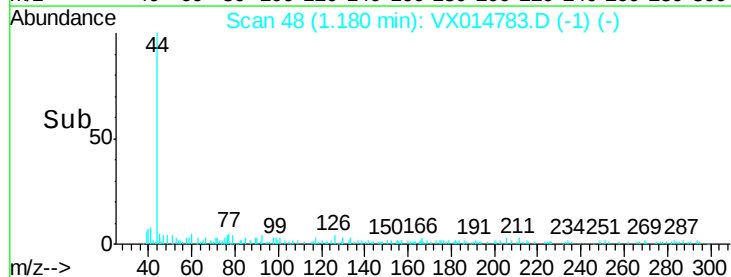
200

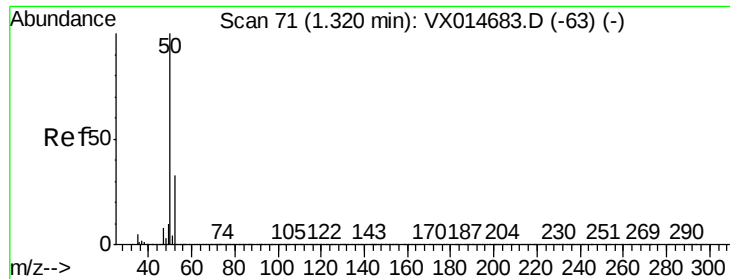
100

0

Time-->

1.16 1.17 1.18 1.19 1.20





#3

Chloromethane

Concen: 0.28 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

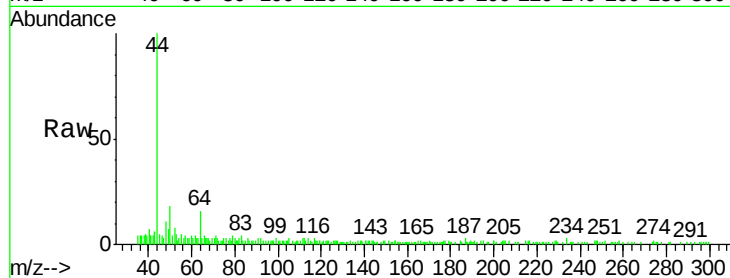
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 50 Resp: 1619

Ion Ratio Lower Upper

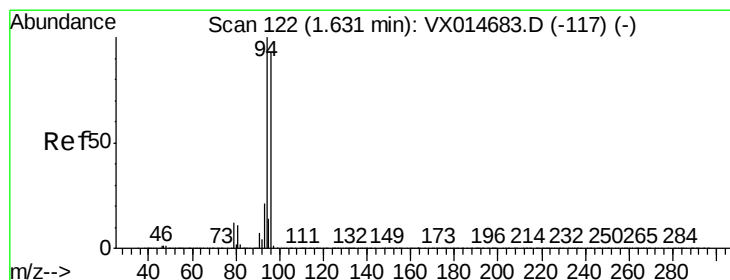
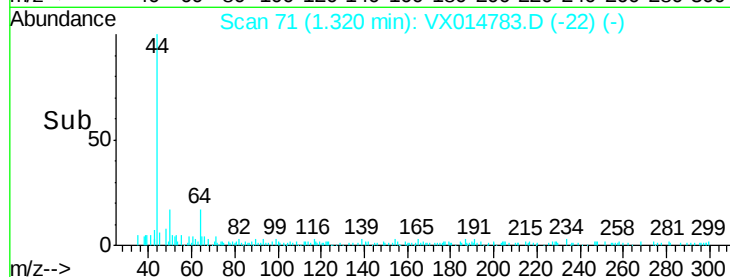
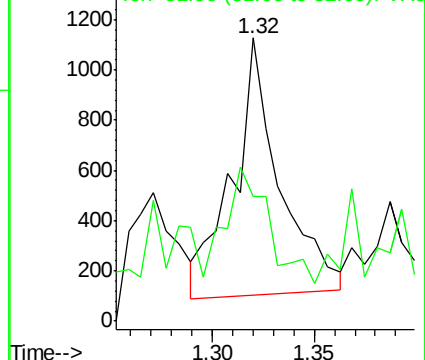
50 100

52 31.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.36 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014783.D

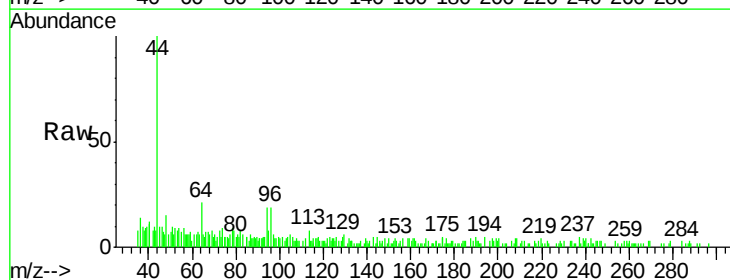
Acq: 31 Jan 2020 15:56

Tgt Ion: 94 Resp: 1529

Ion Ratio Lower Upper

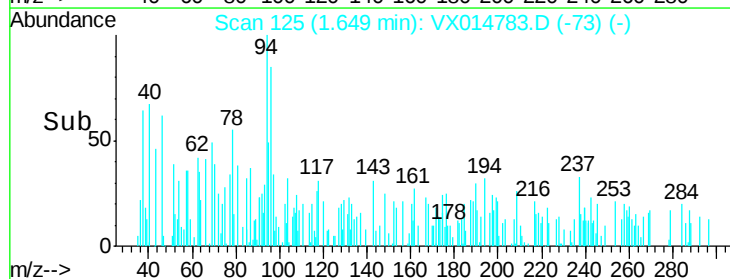
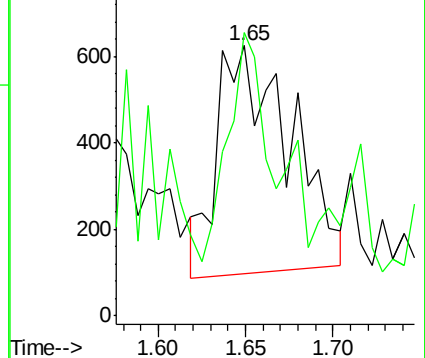
94 100

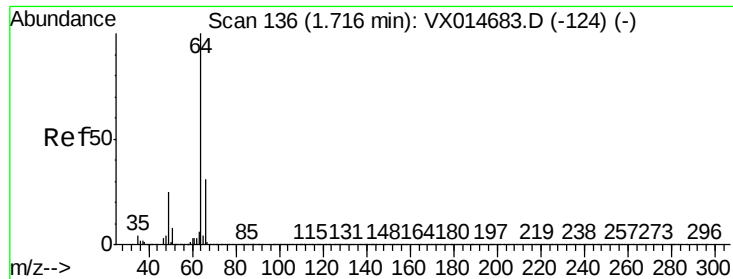
96 109.3 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

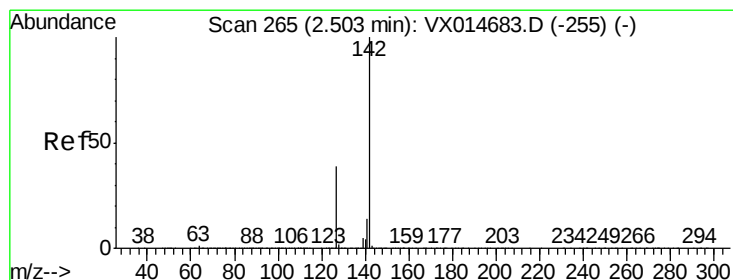
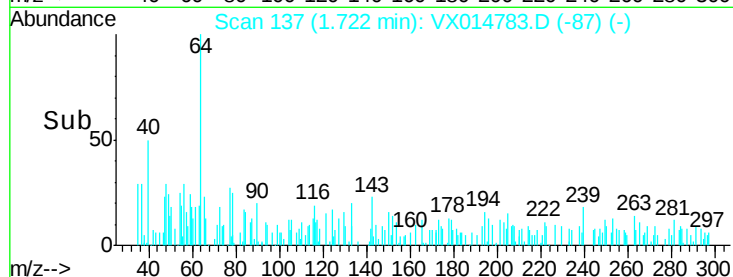
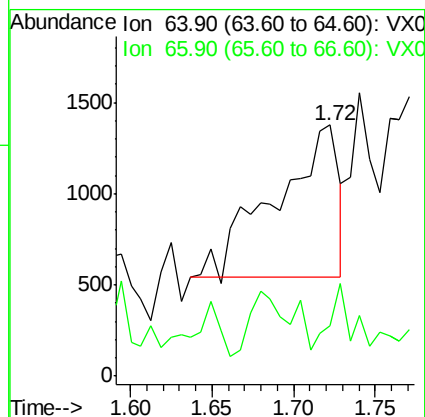
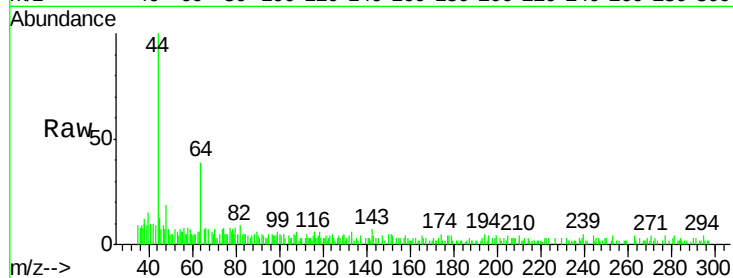
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 64 Resp: 2234

Ion Ratio Lower Upper

64 100

66 7.2 25.2 37.8#



#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

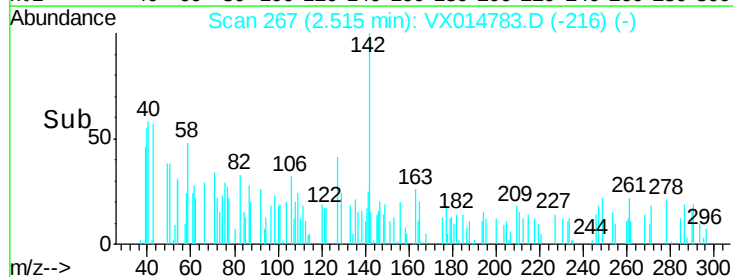
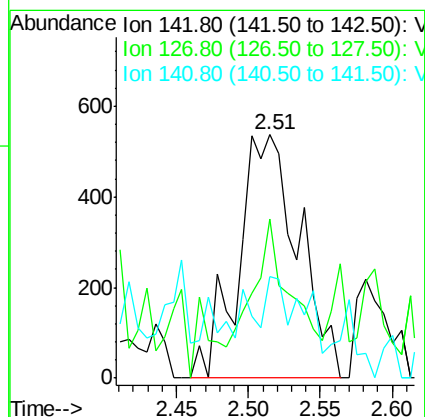
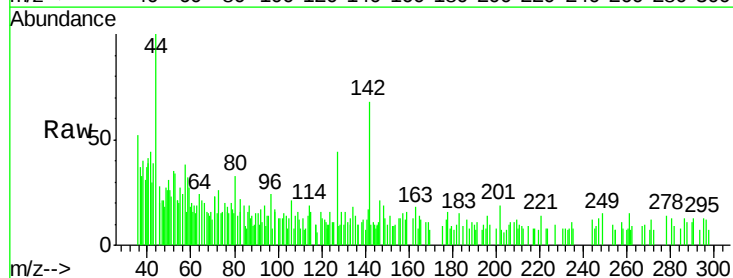
Tgt Ion: 142 Resp: 1560

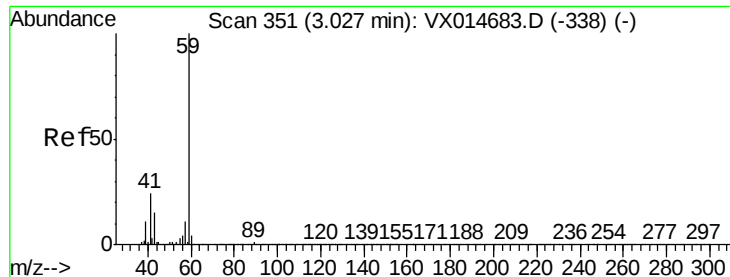
Ion Ratio Lower Upper

142 100

127 45.3 31.1 46.7

141 5.4 11.3 16.9#



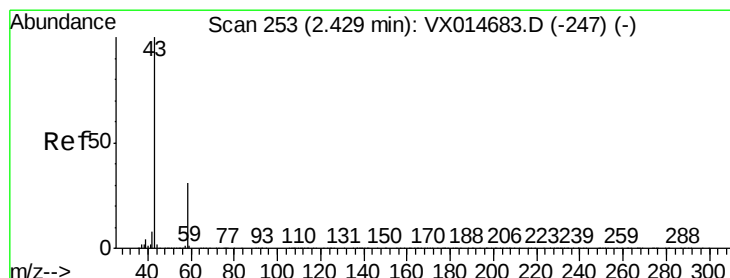
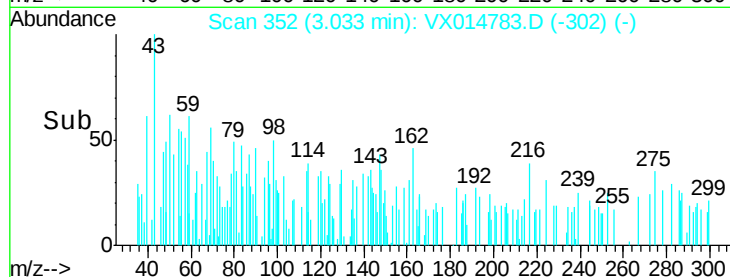
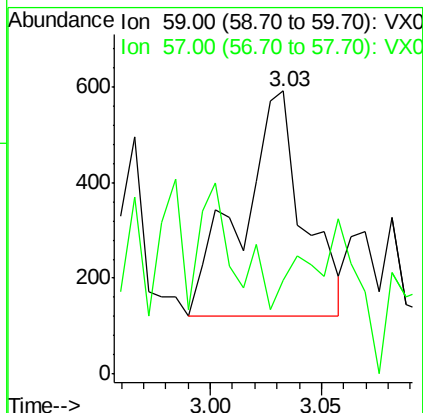
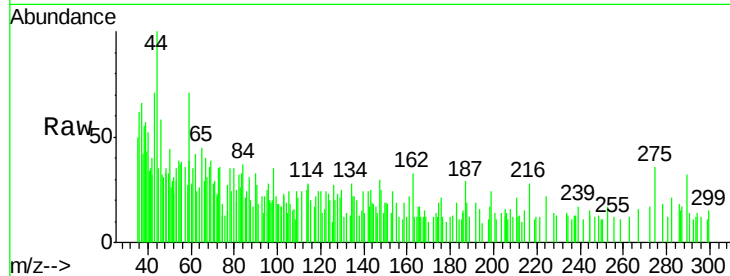


#11

Tert butyl alcohol
Concen: 0.82 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

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

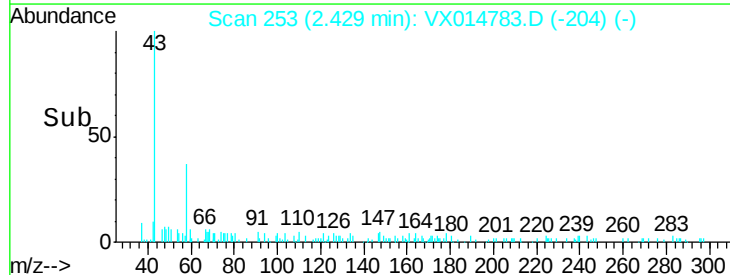
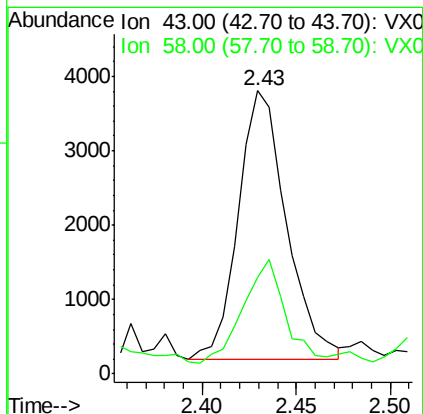
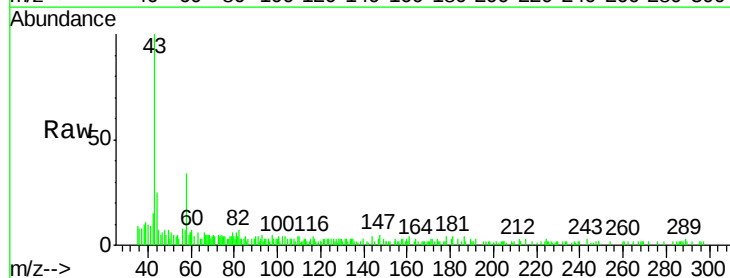
Tgt Ion: 59 Resp: 911
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

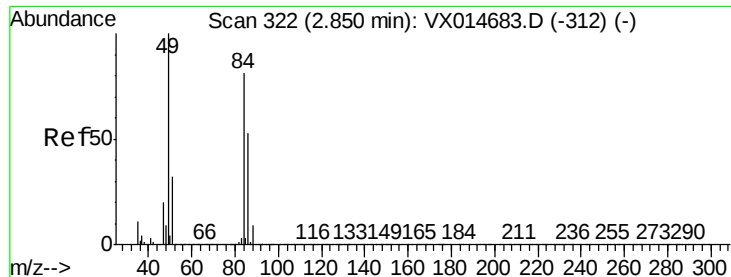


#16

Acetone
Concen: 2.50 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

Tgt Ion: 43 Resp: 6427
Ion Ratio Lower Upper
43 100
58 37.2 24.5 36.7#

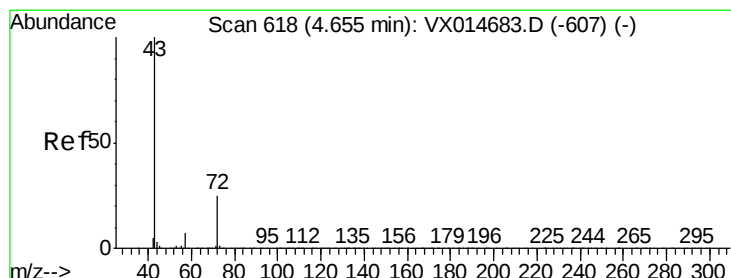
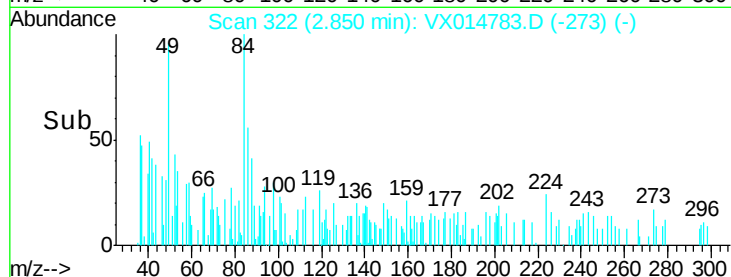
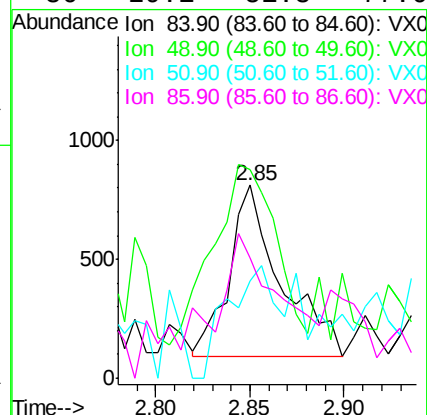
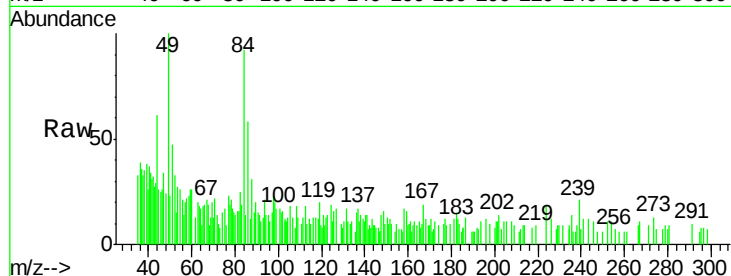




#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

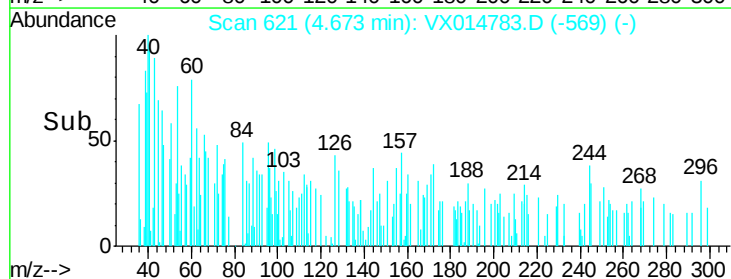
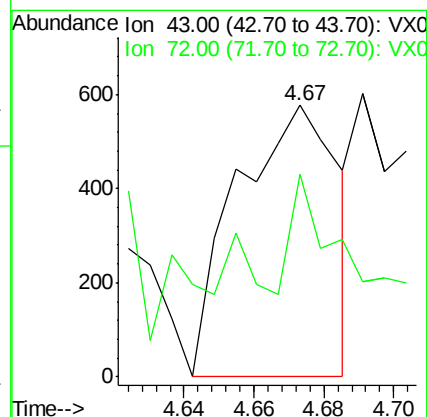
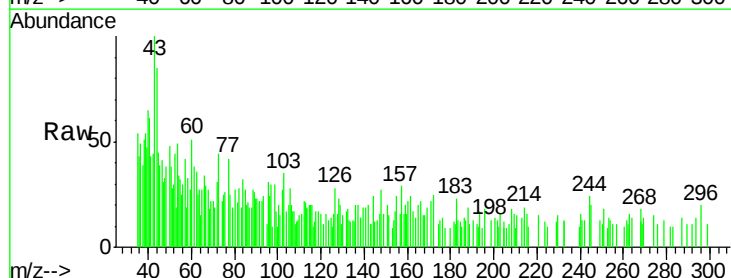
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

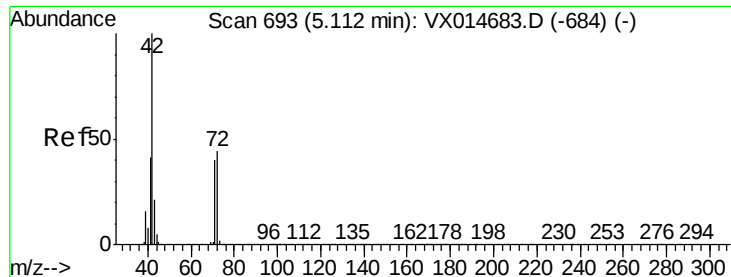
Tgt Ion: 84 Resp: 1367
Ion Ratio Lower Upper
84 100
49 70.5 98.2 147.4#
51 57.4 31.3 46.9#
86 29.1 51.8 77.6#



#25
2-Butanone
Concen: 0.30 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
72 40.2 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

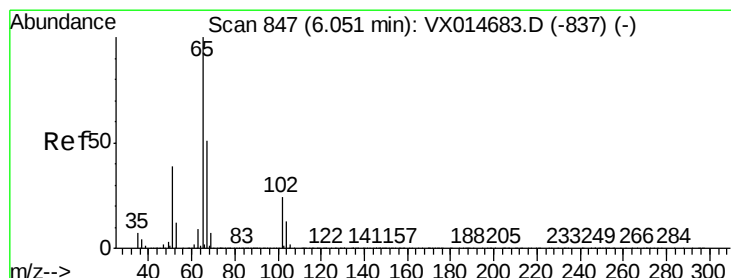
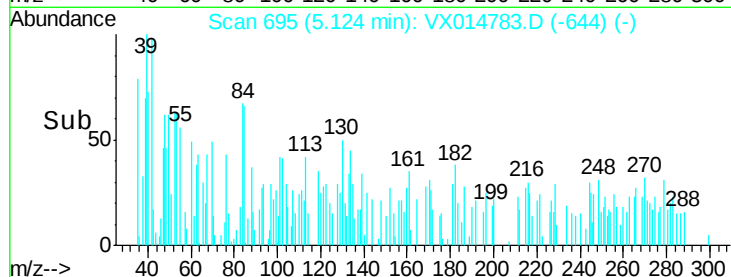
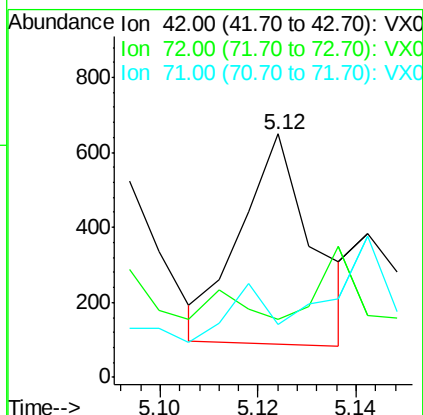
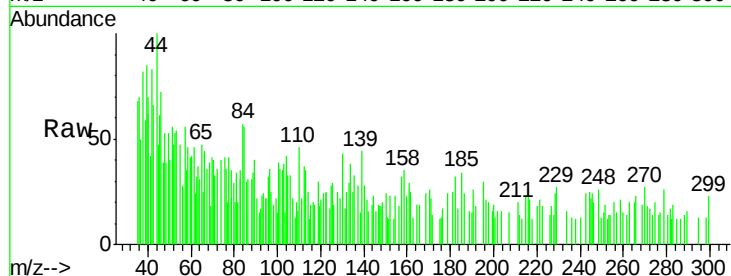
Tgt Ion: 42 Resp: 570

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 27.0 33.1 49.7#



#33

1,2-Dichloroethane-d4

Concen: 50.99 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014783.D

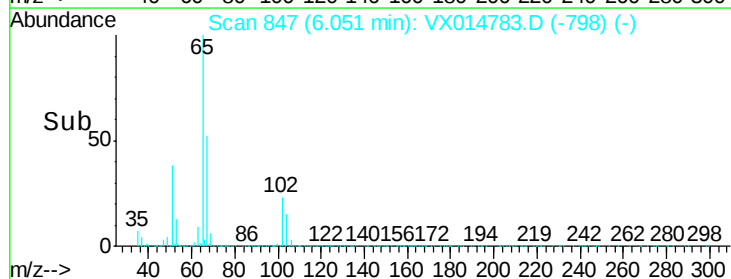
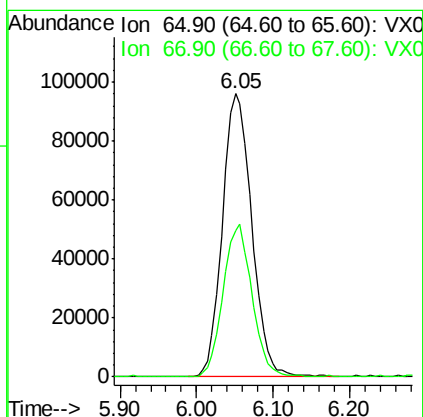
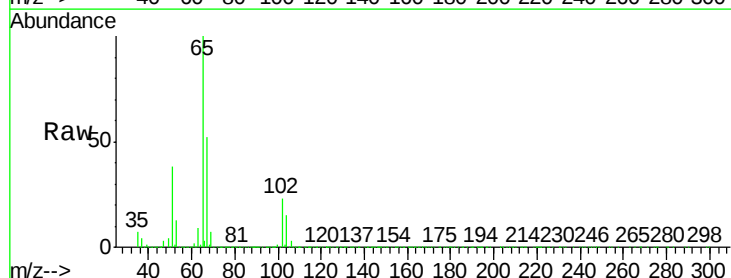
Acq: 31 Jan 2020 15:56

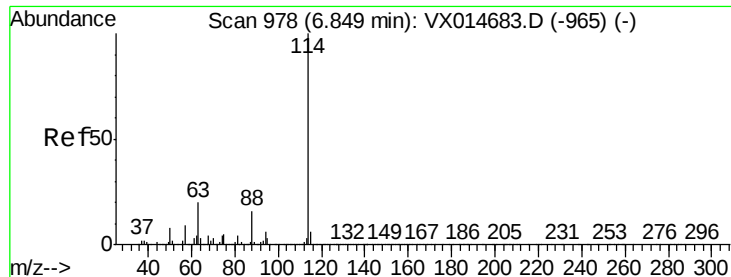
Tgt Ion: 65 Resp: 253857

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

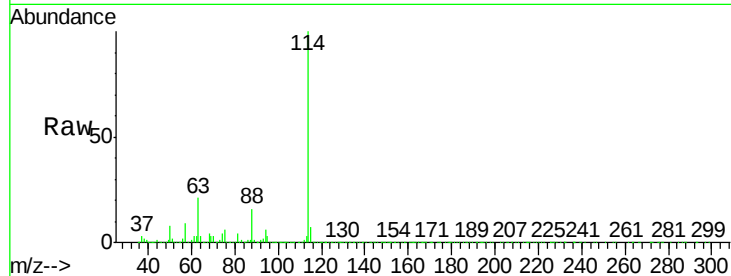
Tgt Ion:114 Resp: 674556

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

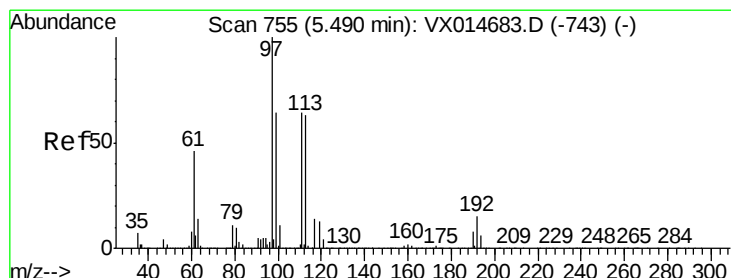
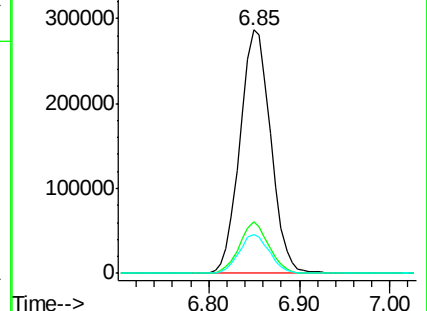
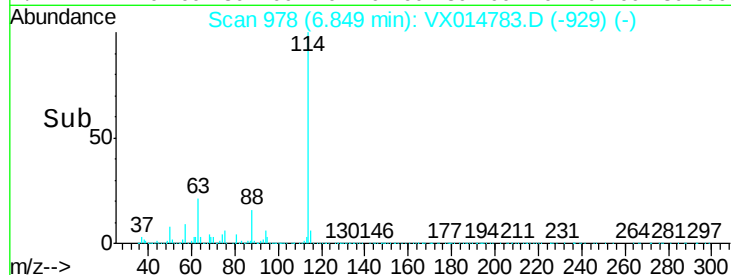
88 16.0 0.0 31.2



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: 48.65 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

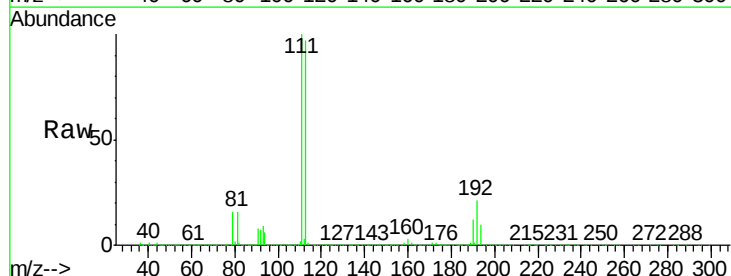
Tgt Ion:113 Resp: 207079

Ion Ratio Lower Upper

113 100

111 104.2 80.7 121.1

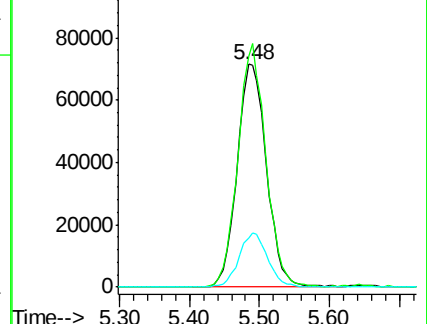
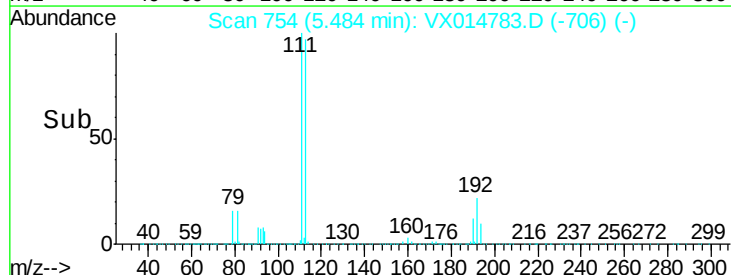
192 24.0 18.5 27.7

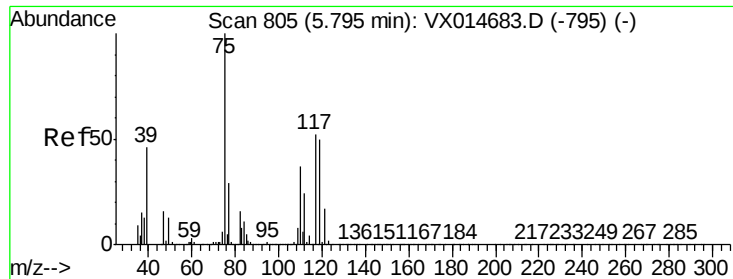


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.94 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

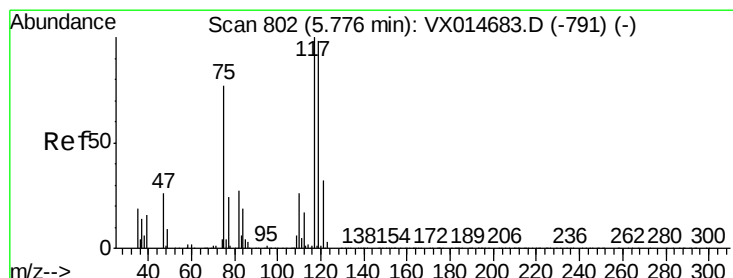
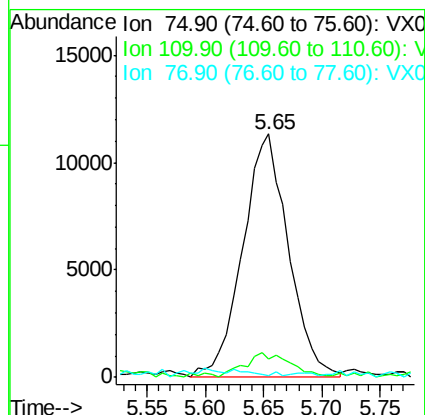
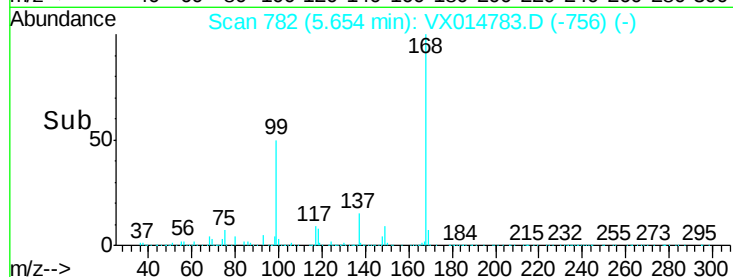
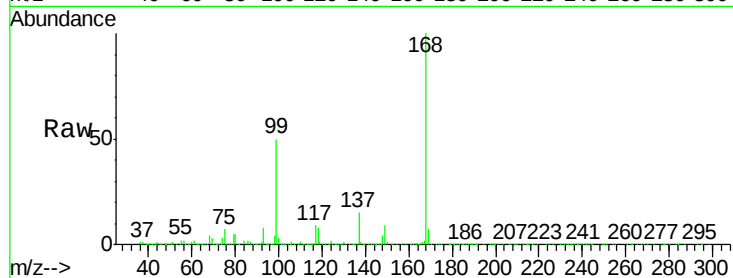
Tgt Ion: 75 Resp: 30946

Ion Ratio Lower Upper

75 100

110 10.2 17.9 53.7#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.55 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

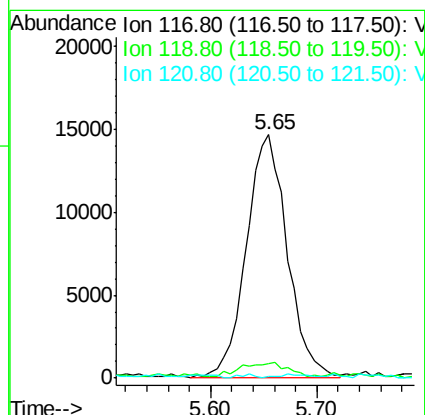
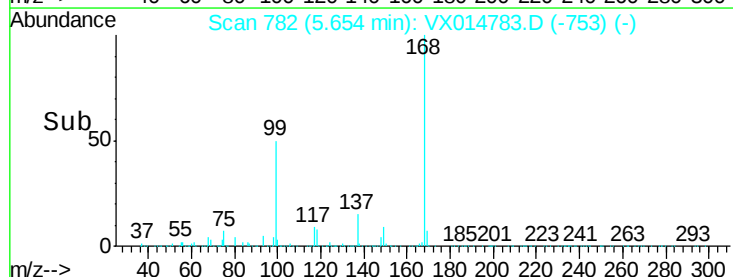
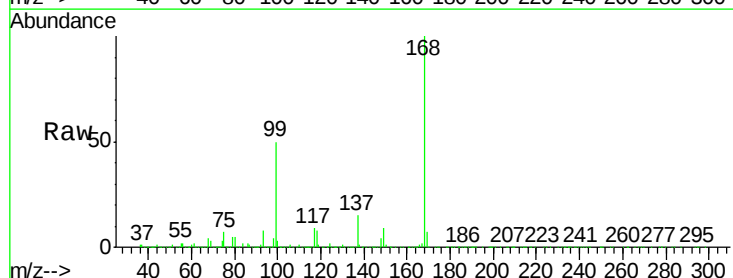
Tgt Ion: 117 Resp: 39228

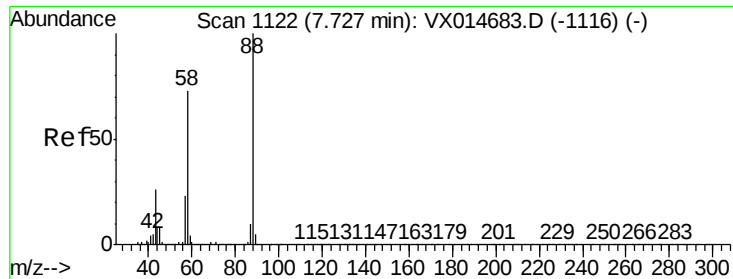
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 25.4 38.2#





#49

1,4-Dioxane

Concen: 3.91 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

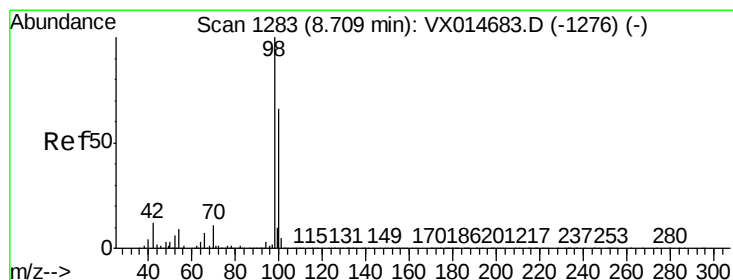
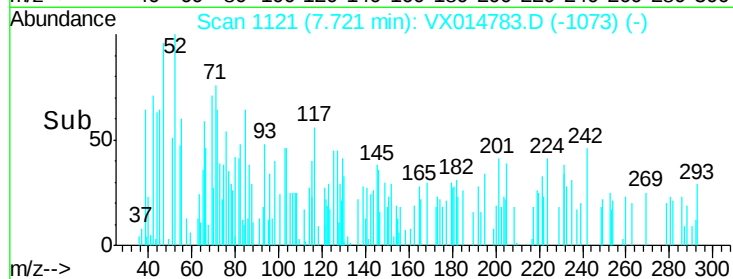
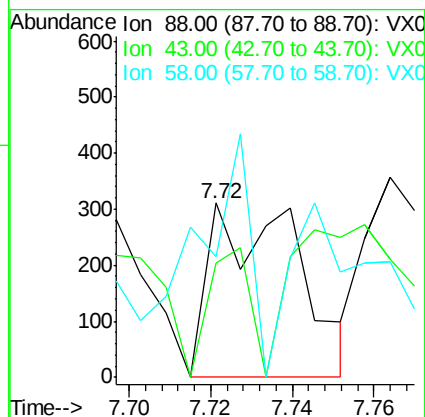
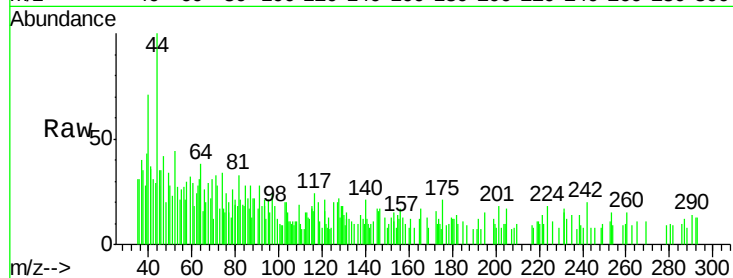
Tgt Ion: 88 Resp: 466

Ion Ratio Lower Upper

88 100

43 34.1 26.2 39.2

58 83.3 56.6 85.0



#50

Toluene-d8

Concen: 49.44 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014783.D

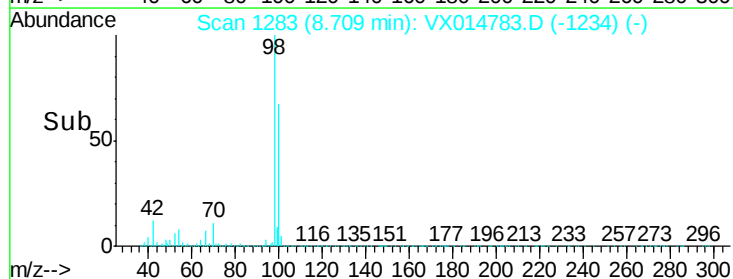
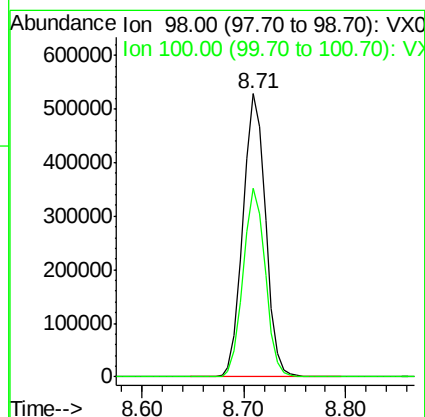
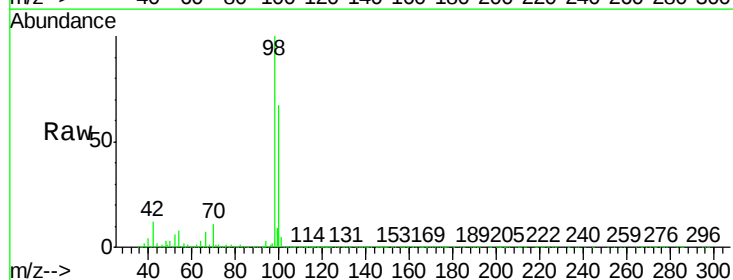
Acq: 31 Jan 2020 15:56

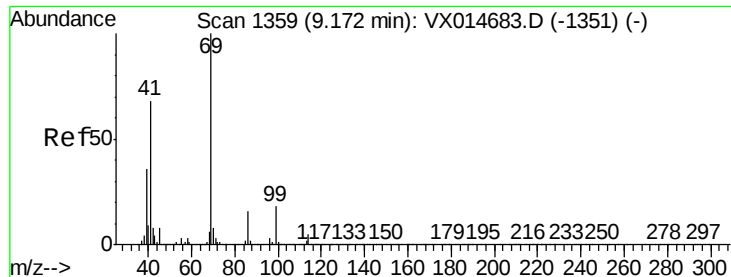
Tgt Ion: 98 Resp: 808976

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6

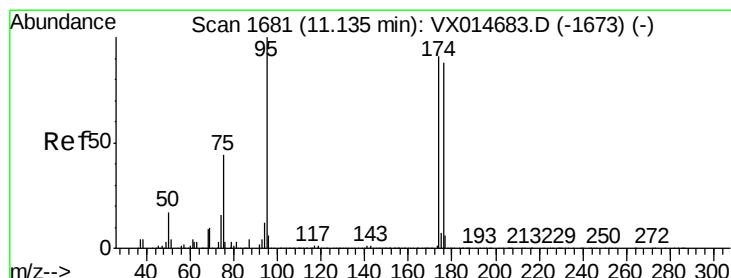
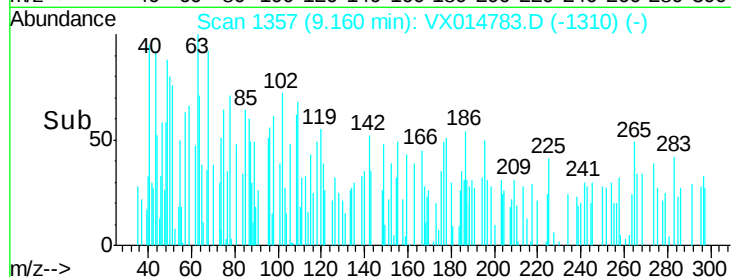
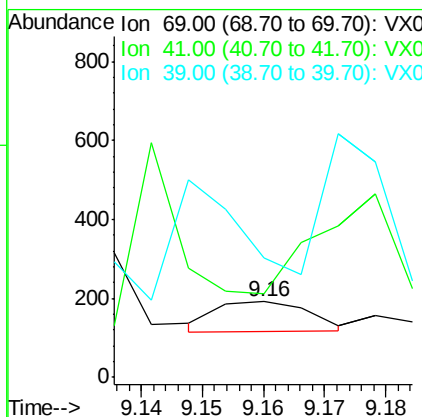
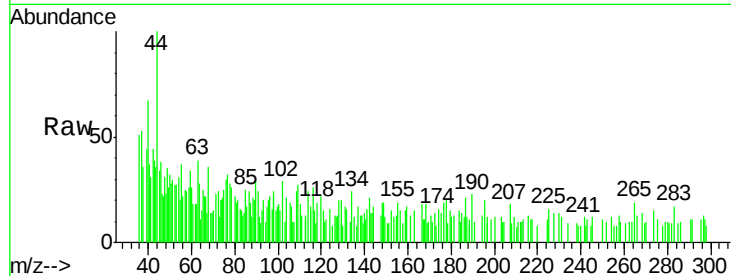




#56
Ethyl methacrylate
Concen: 1.79 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

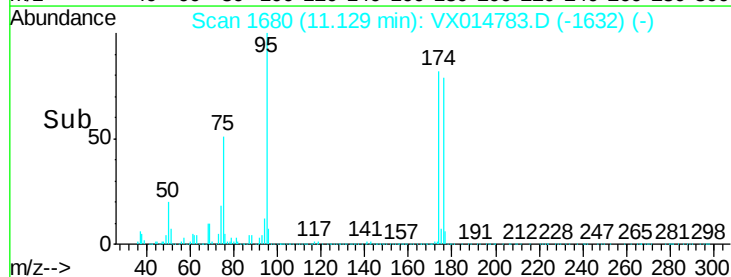
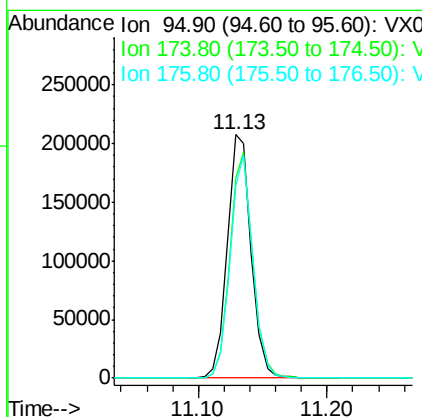
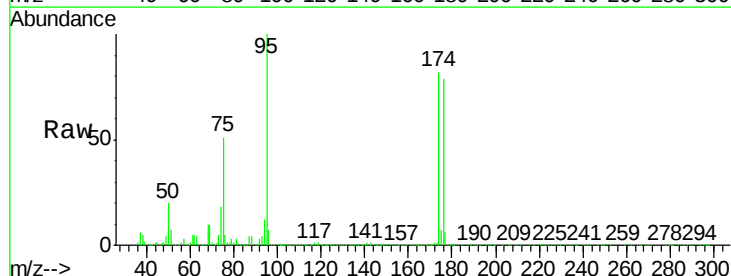
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

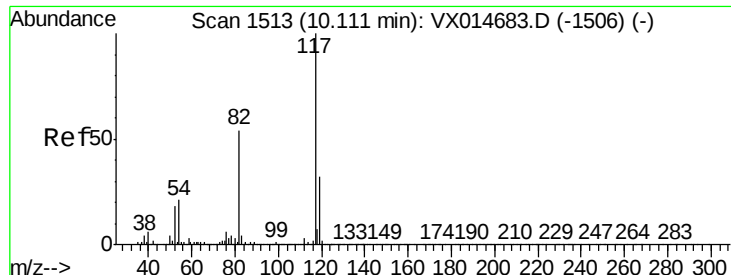
Tgt Ion: 69 Resp: 80
Ion Ratio Lower Upper
69 100
41 267.5 54.9 82.3#
39 642.5 29.3 43.9#



#62
4-Bromofluorobenzene
Concen: 46.10 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

Tgt Ion: 95 Resp: 268742
Ion Ratio Lower Upper
95 100
174 89.6 0.0 176.0
176 87.5 0.0 172.2

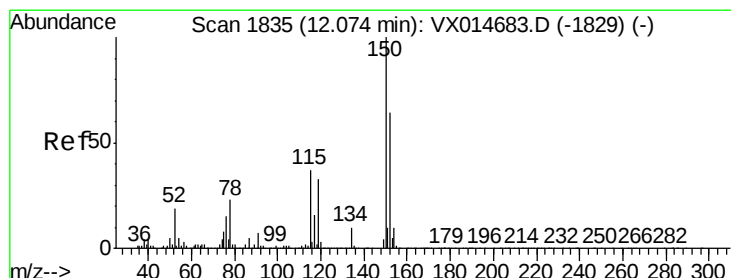
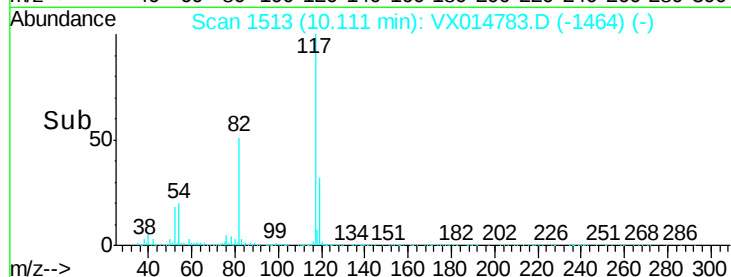
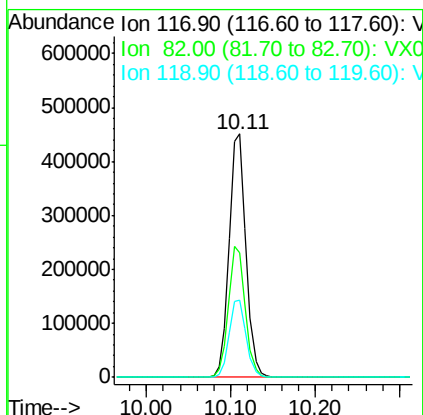
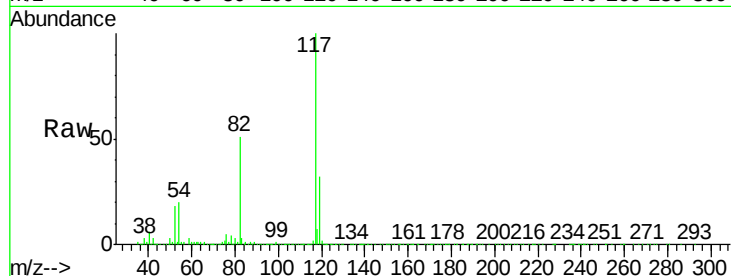




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

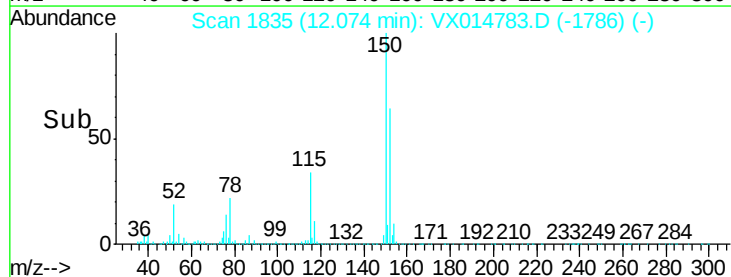
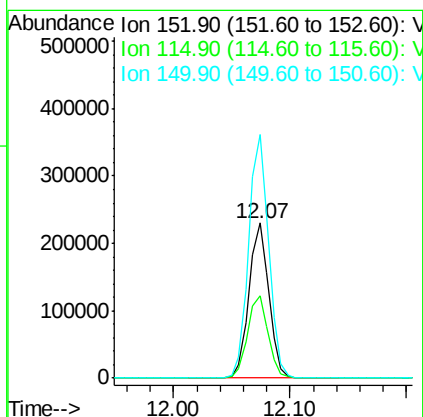
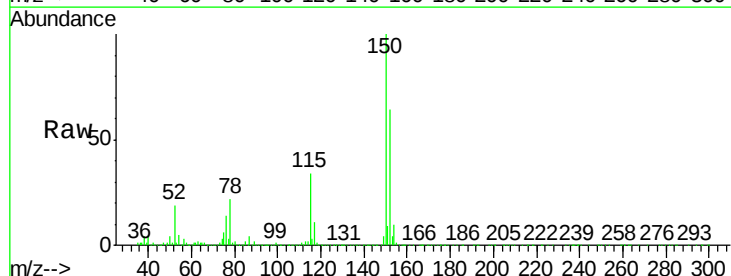
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

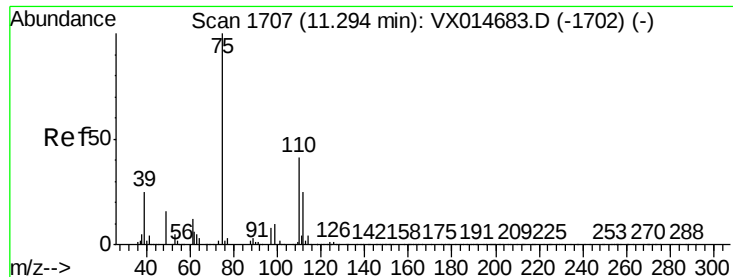
Tgt Ion:117 Resp: 620122
Ion Ratio Lower Upper
117 100
82 51.1 43.2 64.8
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

Tgt Ion:152 Resp: 276439
Ion Ratio Lower Upper
152 100
115 54.6 39.4 118.1
150 157.8 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 21.03 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

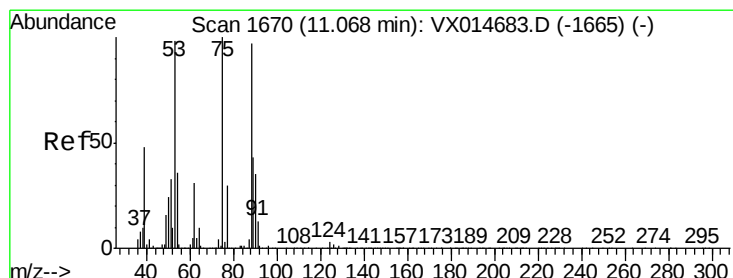
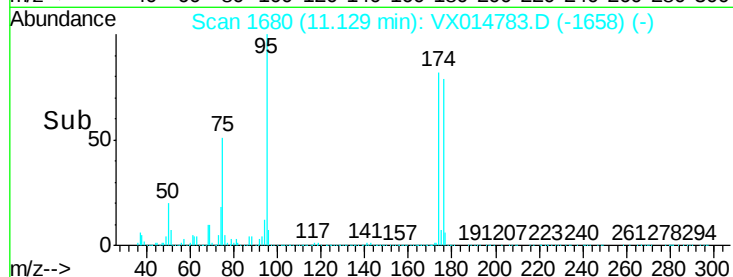
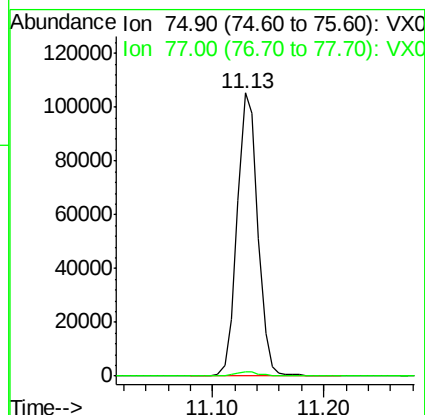
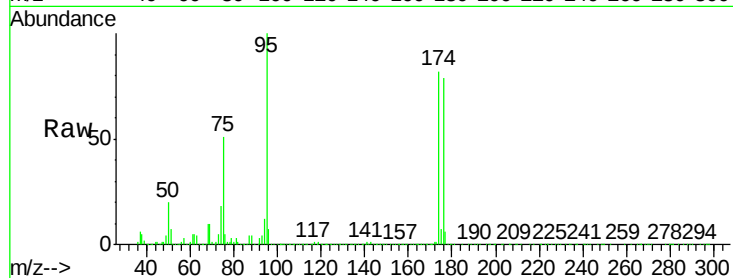
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 135239

Ion Ratio Lower Upper

75 100

77 1.7 18.7 56.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.84 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014783.D

Acq: 31 Jan 2020 15:56

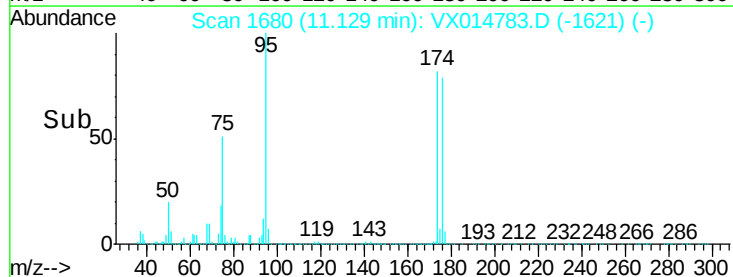
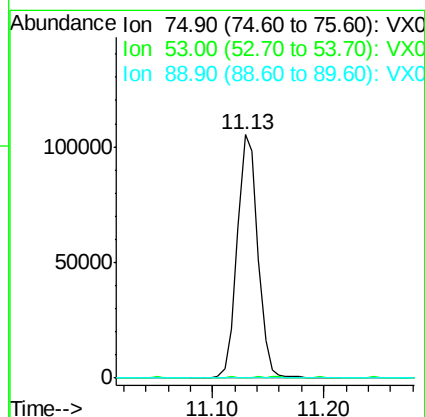
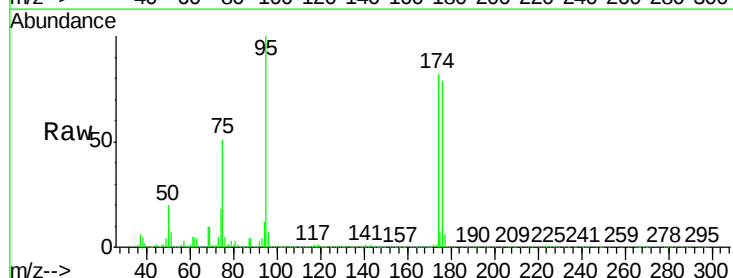
Tgt Ion: 75 Resp: 135239

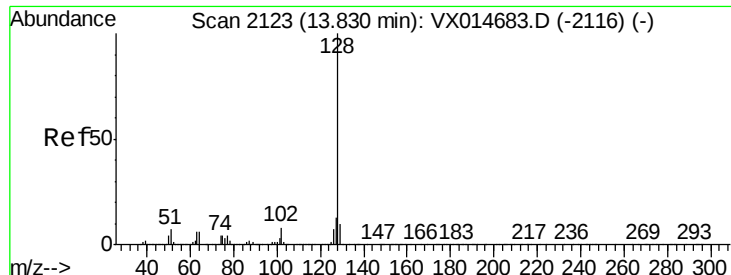
Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.4 35.4 53.0#





#95
Naphthalene
Concen: 0.98 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014783.D
Acq: 31 Jan 2020 15:56

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.3	15.5#
129	13.0	8.6	12.8#

