

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082019\
 Data File : VX011685.D
 Acq On : 20 Aug 2019 15:25
 Operator : JC/SP
 Sample : K4397-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 20 23:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	411578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	571073	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	501482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	241079	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	205772	53.91	ug/l	0.00
Spiked Amount			Recovery	=	107.82%	
35) Dibromofluoromethane	5.49	113	169971	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
50) Toluene-d8	8.71	98	641125	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
62) 4-Bromofluorobenzene	11.13	95	223145	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

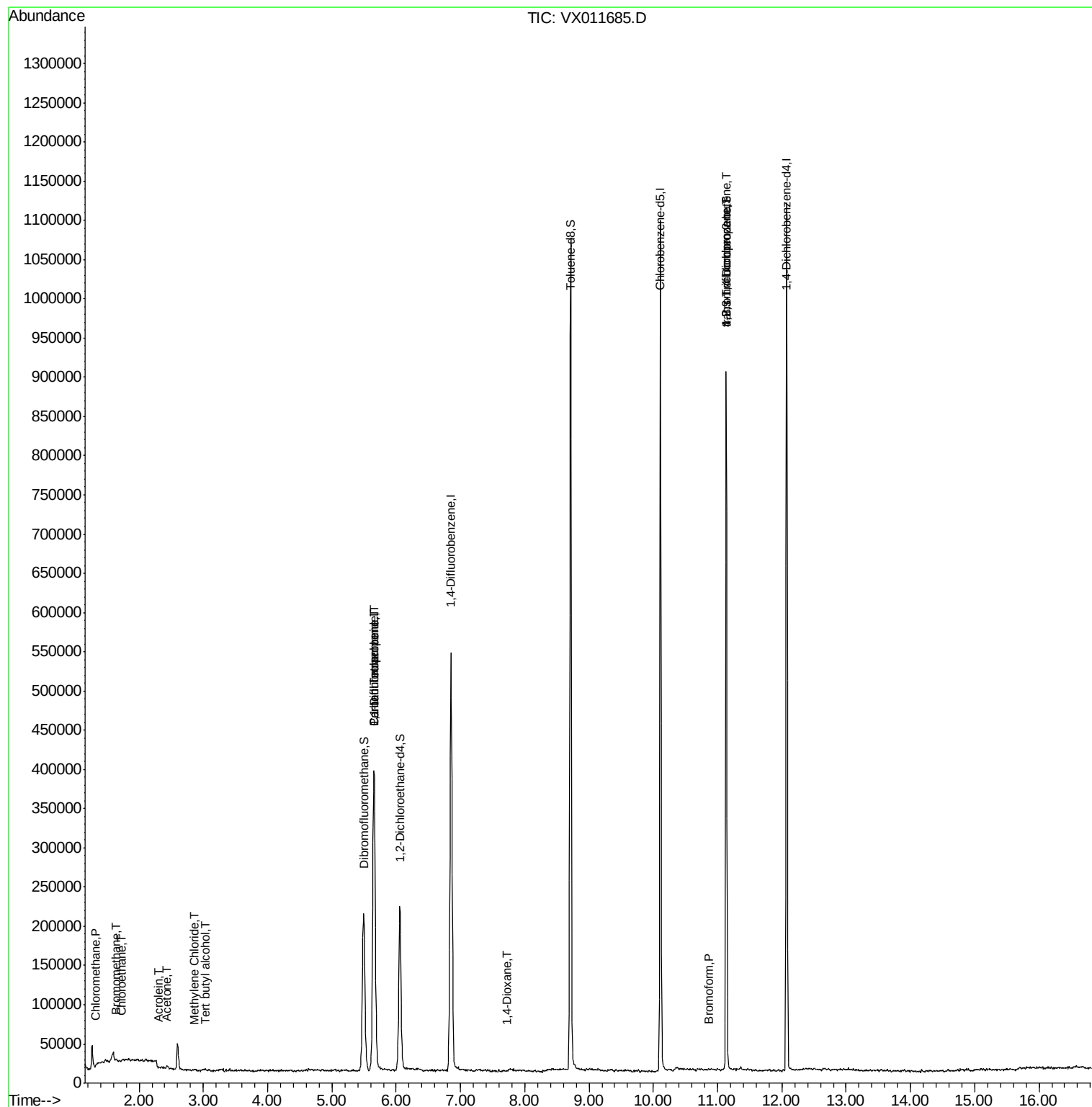
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1157	0.275	ug/l	91
5) Bromomethane	1.63	94	441	0.259	ug/l #	3
6) Chloroethane	1.72	64	439	0.244	ug/l #	43
11) Tert butyl alcohol	3.04	59	3735	3.989	ug/l #	71
13) Acrolein	2.30	56	77	12.438	ug/l #	15
16) Acetone	2.43	43	5889	3.068	ug/l #	86
20) Methylene Chloride	2.85	84	1038	0.258	ug/l #	66
36) 1,1-Dichloropropene	5.66	75	24021	4.920	ug/l #	52
38) Carbon Tetrachloride	5.65	117	36213	6.732	ug/l #	17
49) 1,4-Dioxane	7.73	88	272	2.356	ug/l #	1
71) Bromoform	10.86	173	192	3.338	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	106503	23.298	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	106503	61.935	ug/l #	11

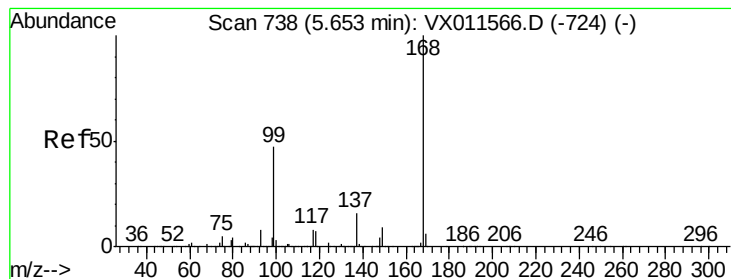
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

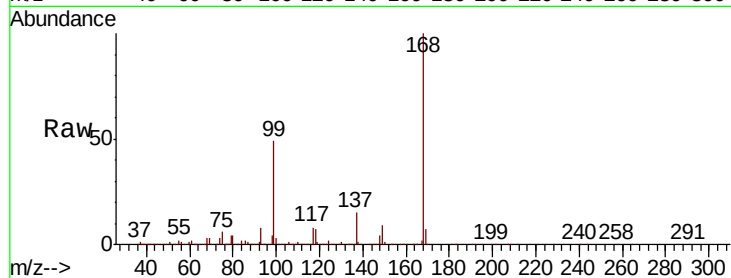
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:168 Resp: 411578

Ion Ratio Lower Upper

168 100

99 49.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

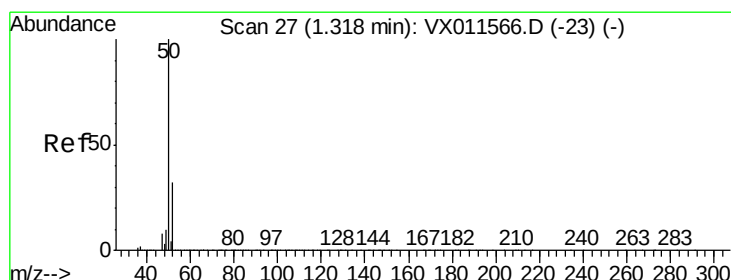
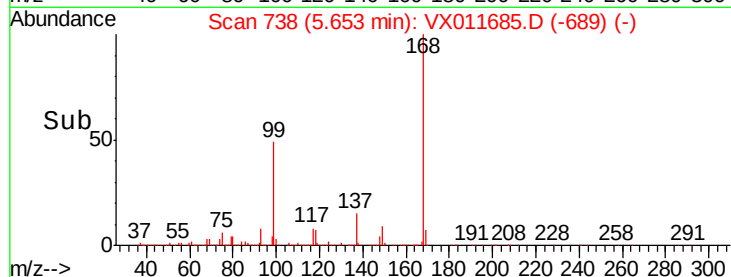
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.275 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011685.D

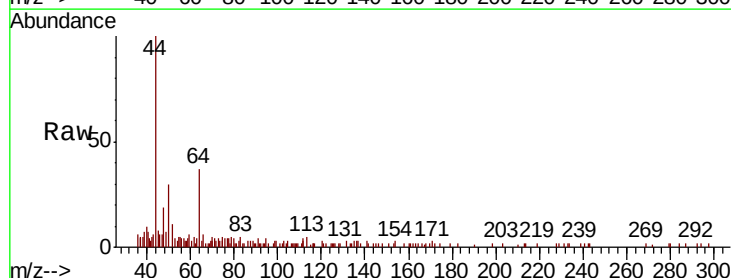
Acq: 20 Aug 2019 15:25

Tgt Ion: 50 Resp: 1157

Ion Ratio Lower Upper

50 100

52 27.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

600

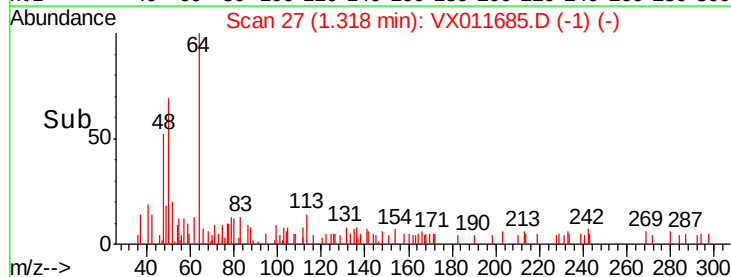
400

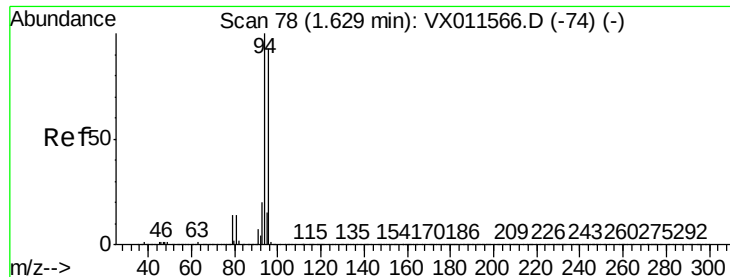
200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

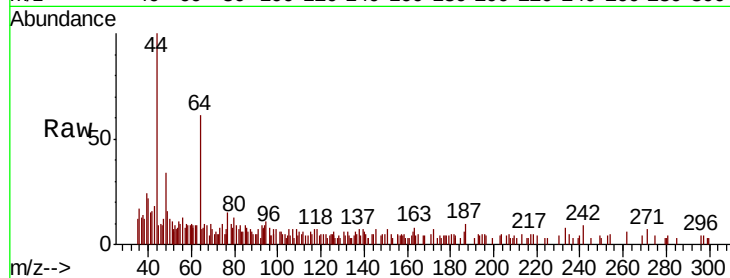
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 94 Resp: 441

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

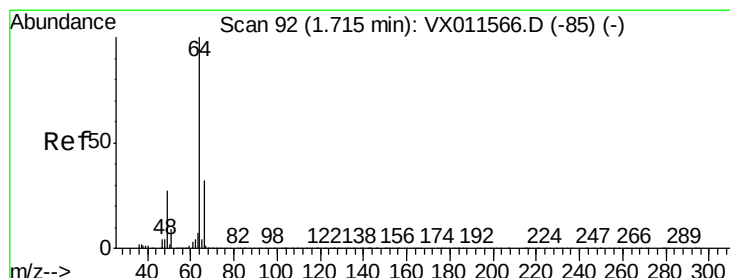
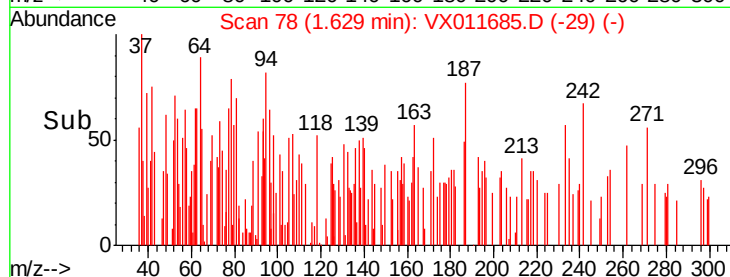
300

200

100

0

Time-->



#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011685.D

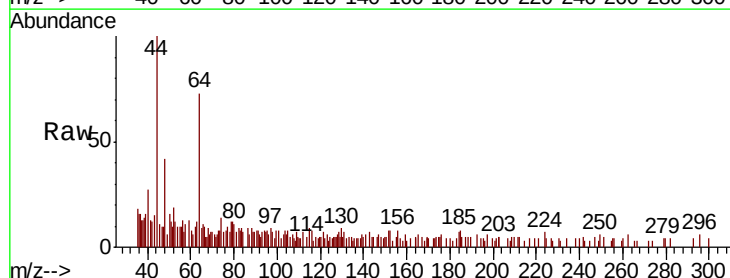
Acq: 20 Aug 2019 15:25

Tgt Ion: 64 Resp: 439

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

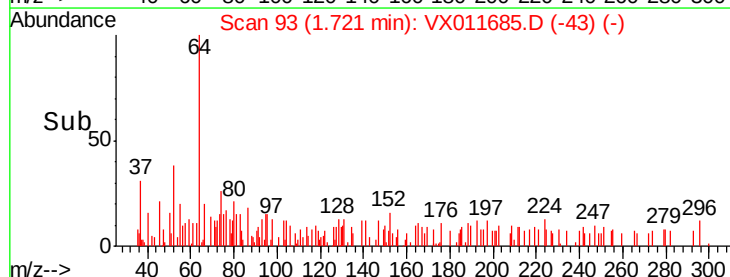
1.72

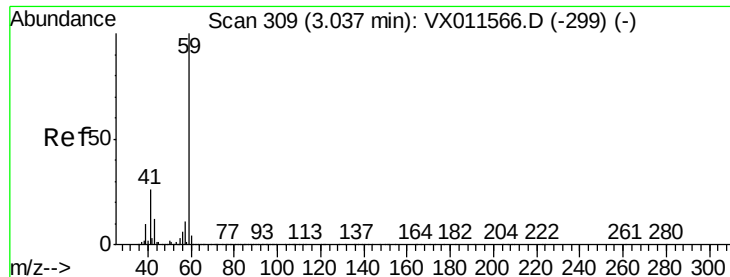
1000

500

0

Time-->

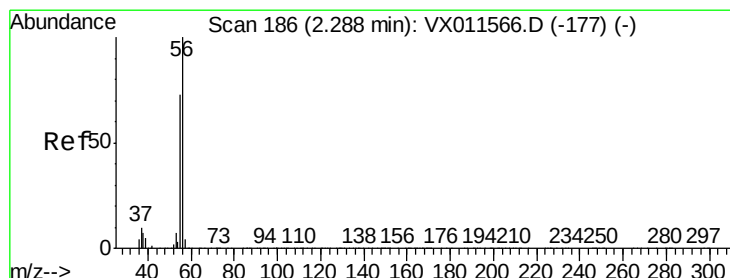
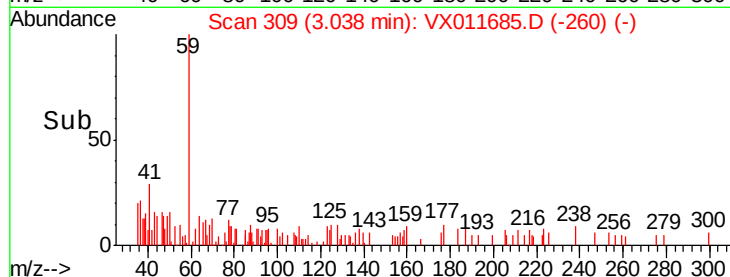
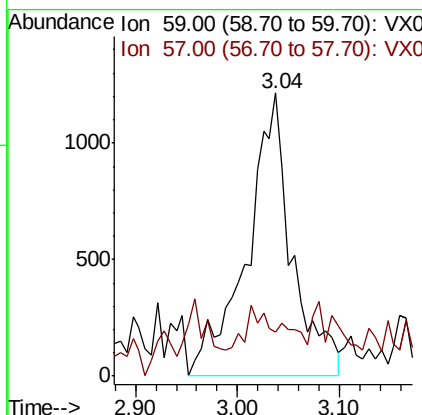
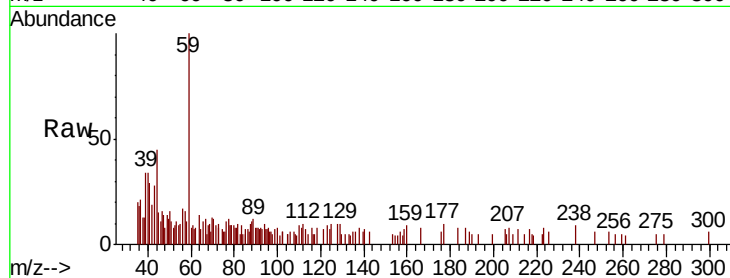




#11
Tert butyl alcohol
Concen: 3.989 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011685.D
Acq: 20 Aug 2019 15:25

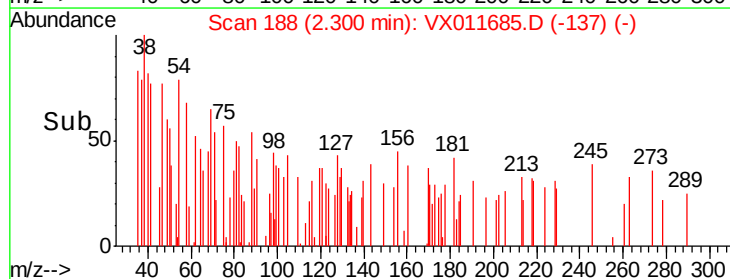
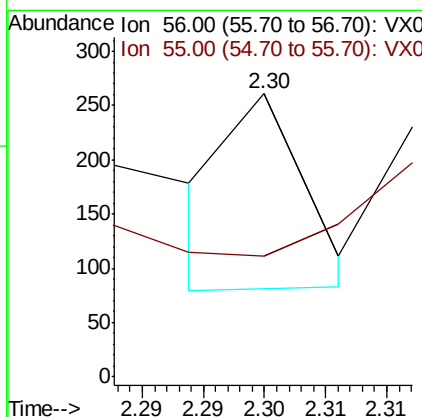
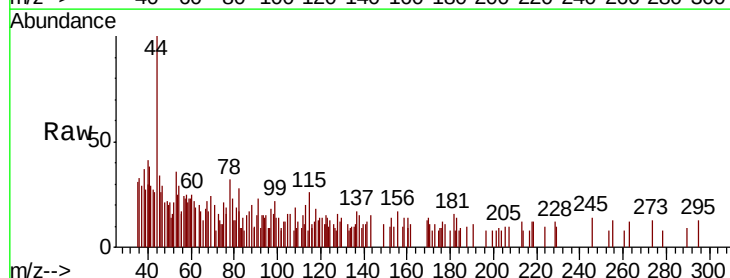
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

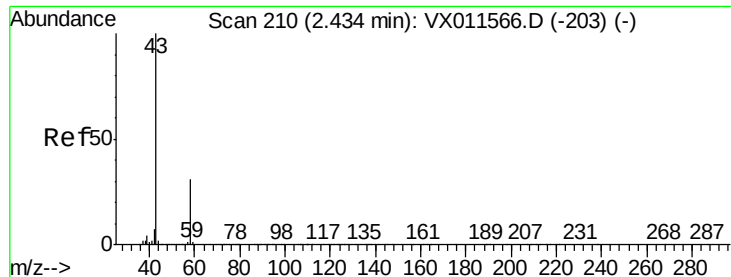
Tgt Ion: 59 Resp: 3735
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 12.438 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX011685.D
Acq: 20 Aug 2019 15:25

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#16

Acetone

Concen: 3.068 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

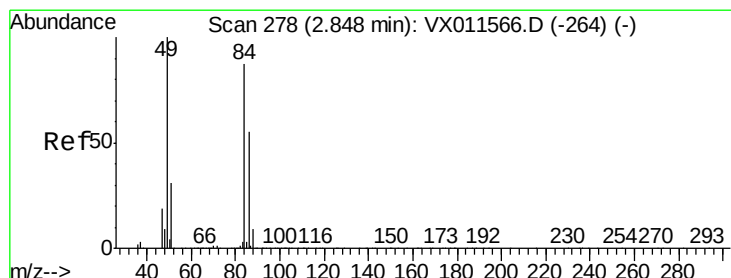
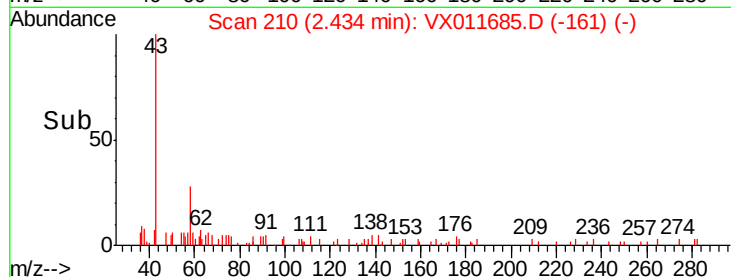
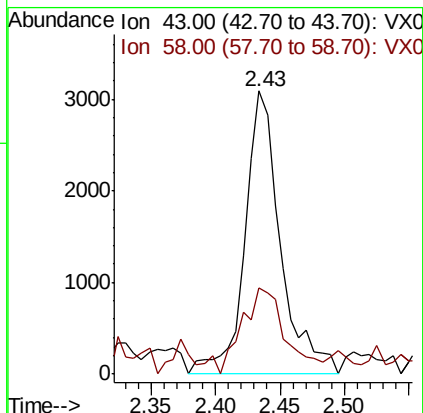
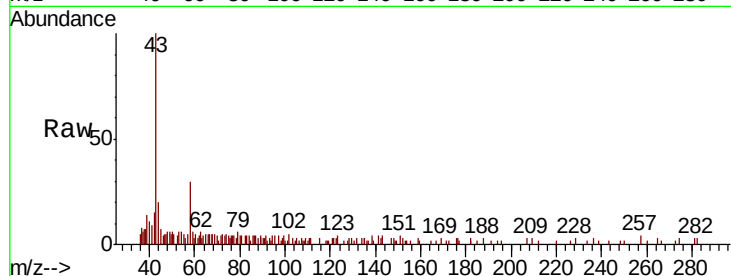
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 43 Resp: 5889

Ion Ratio Lower Upper

43 100

58 23.7 25.2 37.8#



#20

Methylene Chloride

Concen: 0.258 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

Tgt Ion: 84 Resp: 1038

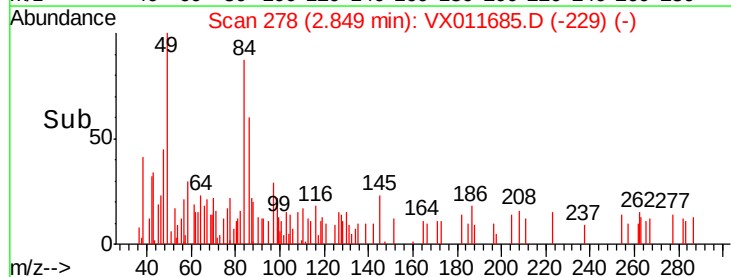
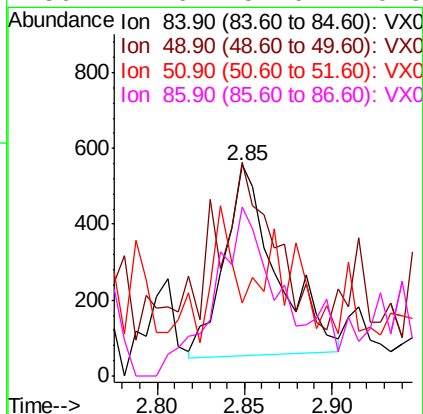
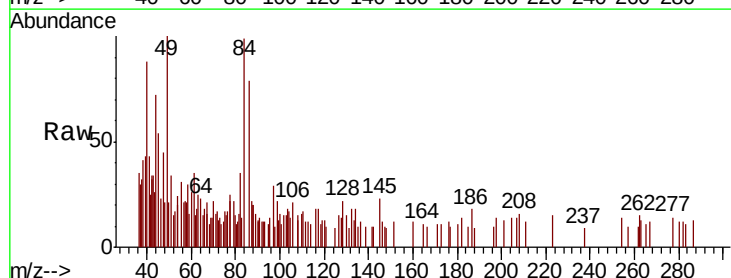
Ion Ratio Lower Upper

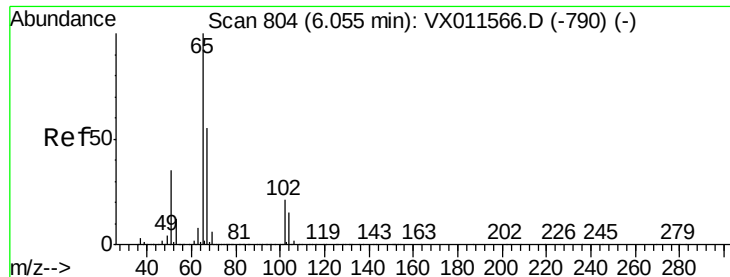
84 100

49 67.6 92.4 138.6#

51 16.1 28.5 42.7#

86 77.6 51.0 76.6#

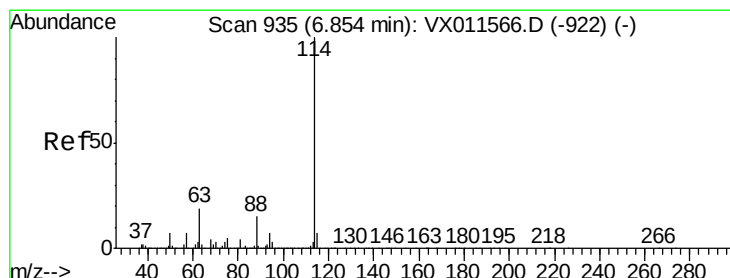
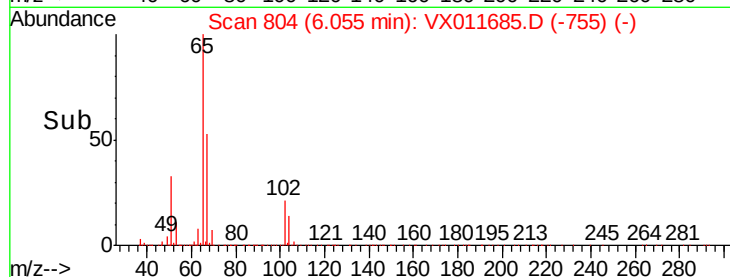
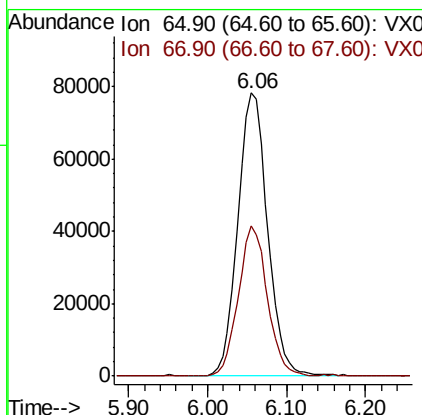
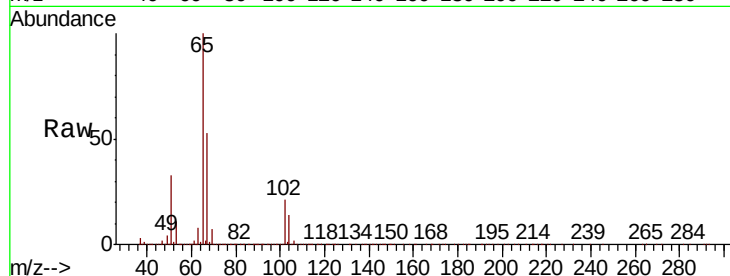




#33
 1,2-Dichloroethane-d4
 Concen: 53.912 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011685.D
 Acq: 20 Aug 2019 15:25

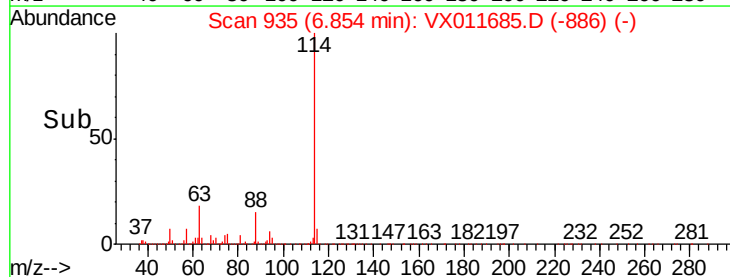
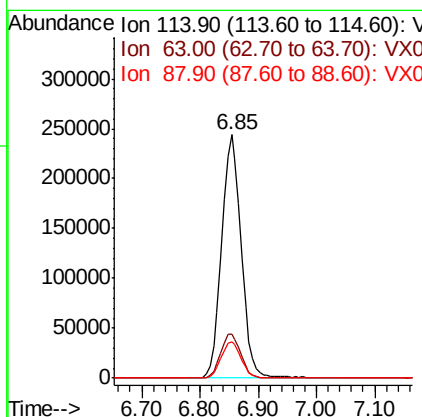
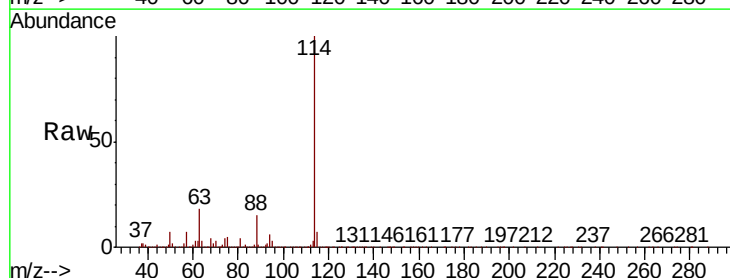
Instrument :
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 STORAGE-BLANK-SAMPLE-MANA

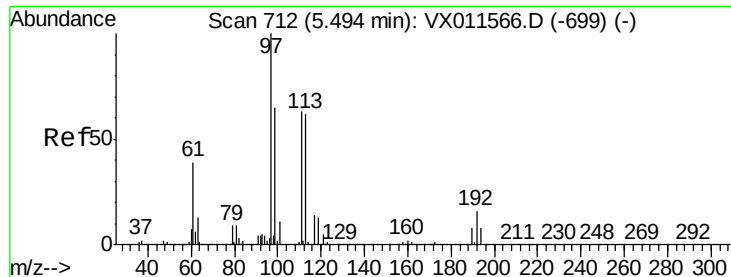
Tgt Ion: 65 Resp: 205772
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011685.D
 Acq: 20 Aug 2019 15:25

Tgt Ion: 114 Resp: 571073
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.8
 88 15.0 0.0 30.2

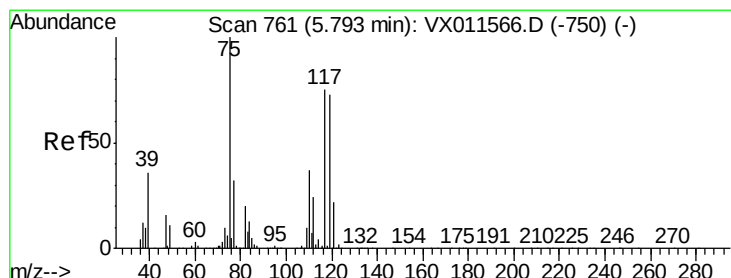
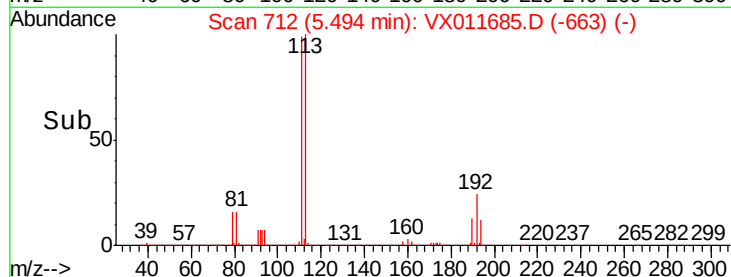
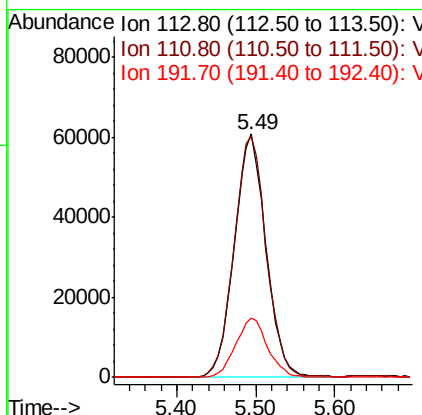
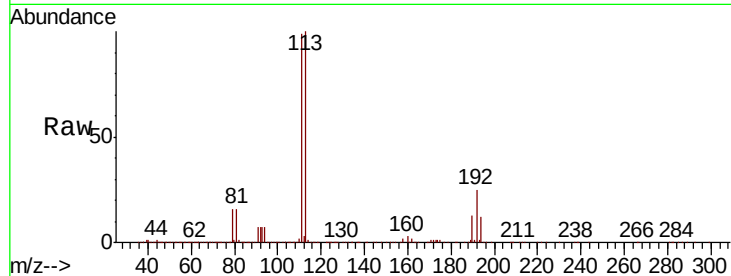




#35
 Dibromofluoromethane
 Concen: 45.505 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011685.D
 Acq: 20 Aug 2019 15:25

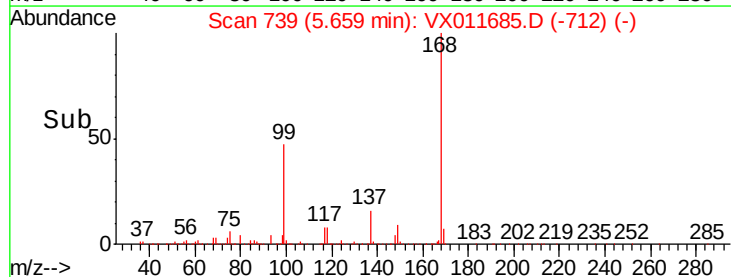
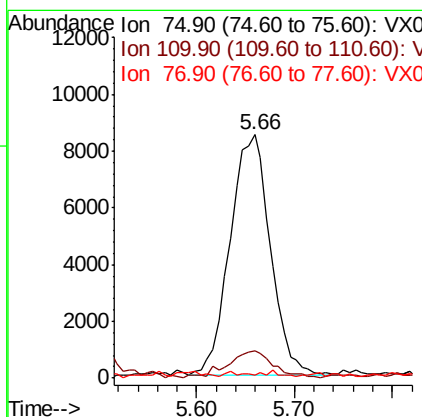
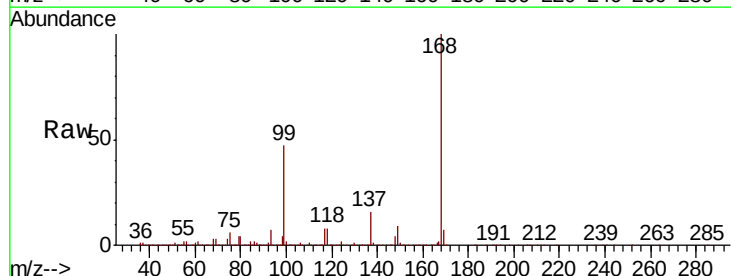
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 STORAGE-BLANK-SAMPLE-MANA

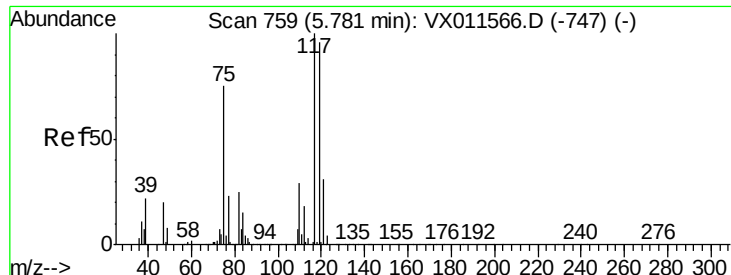
Tgt Ion:113 Resp: 169971
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.1 121.7
 192 24.6 20.8 31.2



#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011685.D
 Acq: 20 Aug 2019 15:25

Tgt Ion: 75 Resp: 24021
 Ion Ratio Lower Upper
 75 100
 110 13.2 19.4 58.1#
 77 1.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.732 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

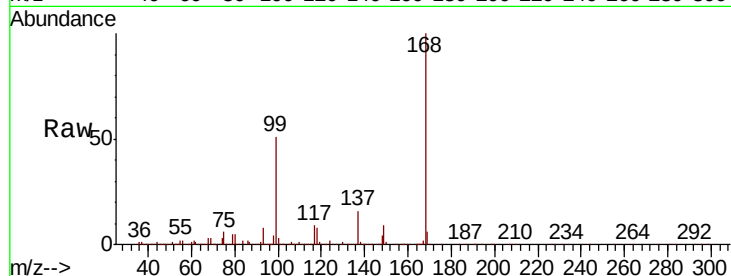
Tgt Ion: 117 Resp: 36213

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

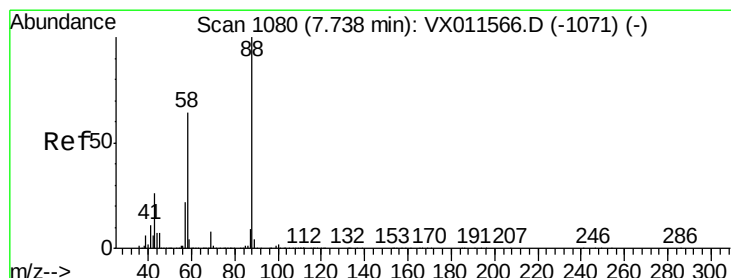
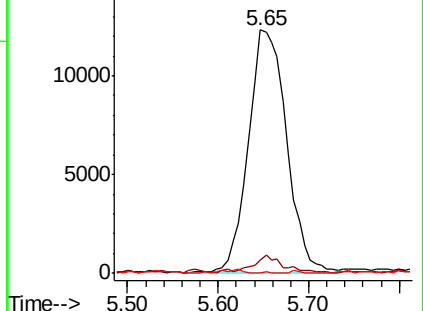
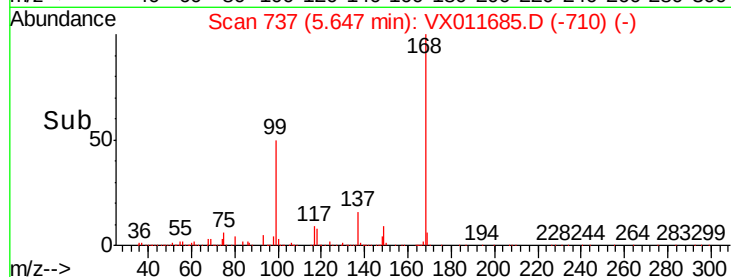
121 1.0 24.8 37.2#



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: 2.356 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

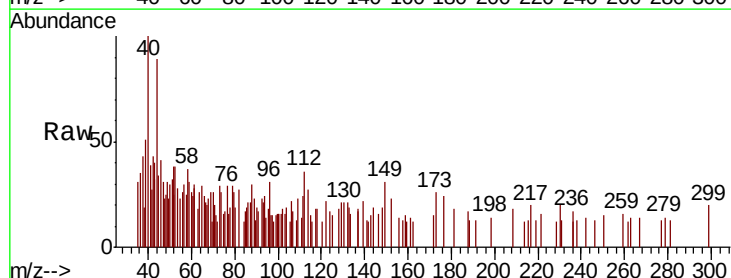
Tgt Ion: 88 Resp: 272

Ion Ratio Lower Upper

88 100

43 129.0 23.4 35.0#

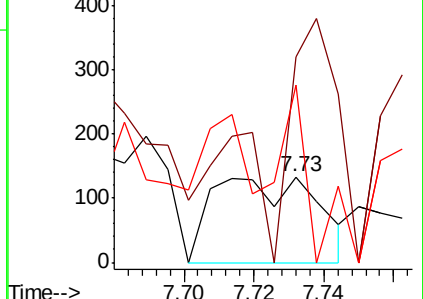
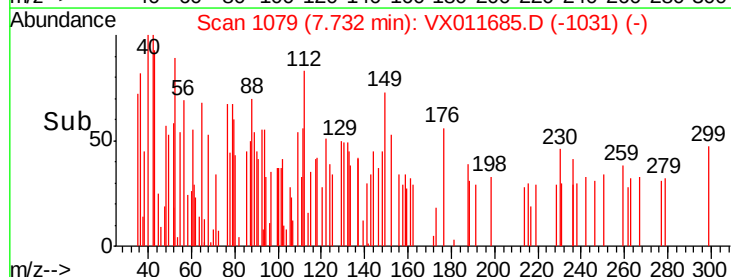
58 0.0 54.3 81.5#

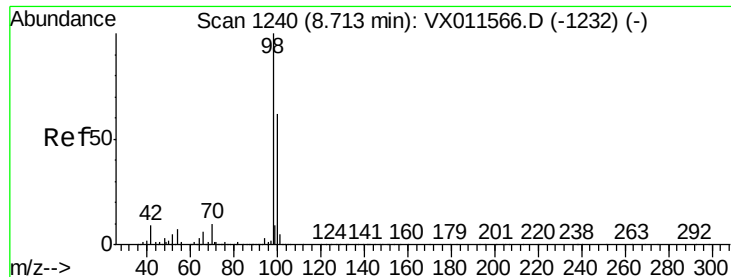


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 55.087 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

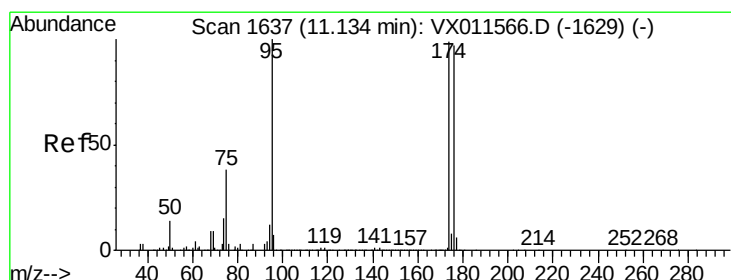
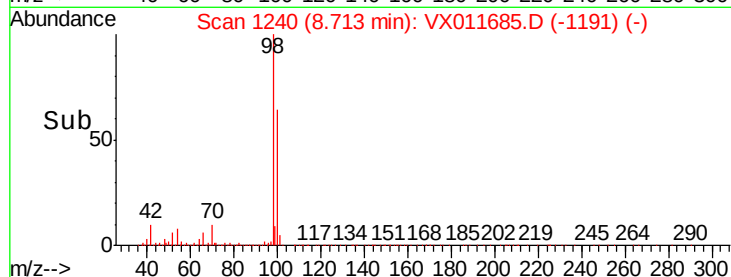
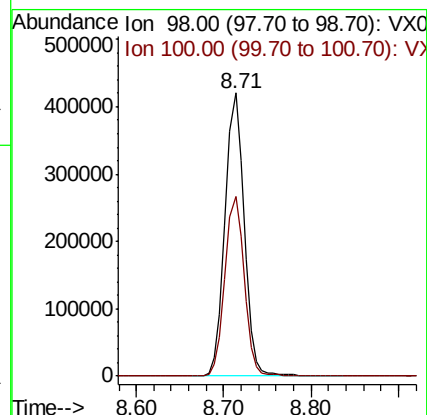
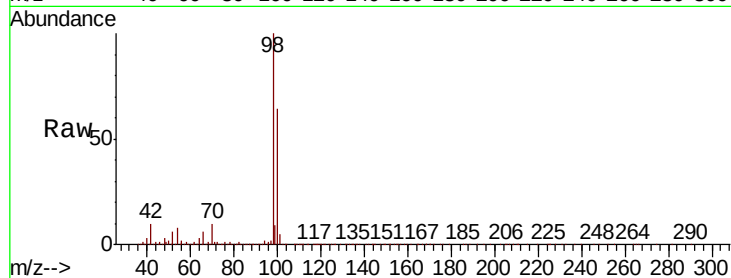
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 98 Resp: 641125

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.425 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011685.D

Acq: 20 Aug 2019 15:25

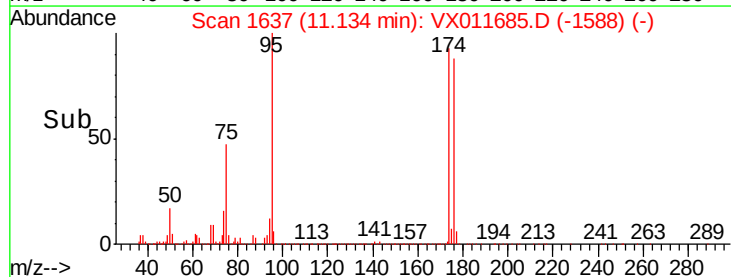
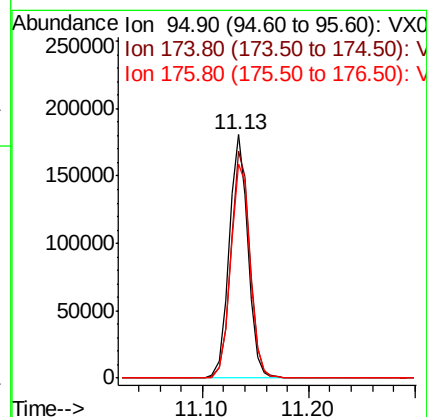
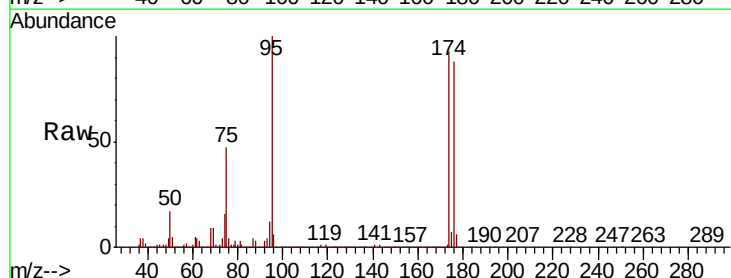
Tgt Ion: 95 Resp: 223145

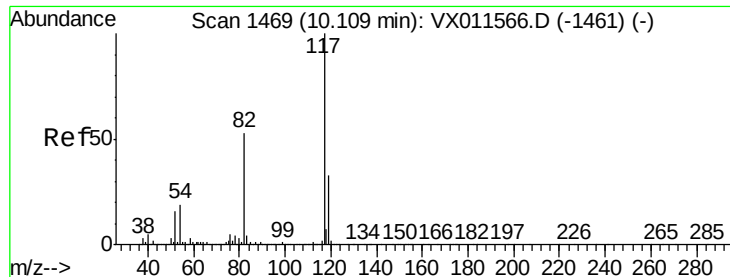
Ion Ratio Lower Upper

95 100

174 94.6 0.0 200.6

176 91.1 0.0 196.6

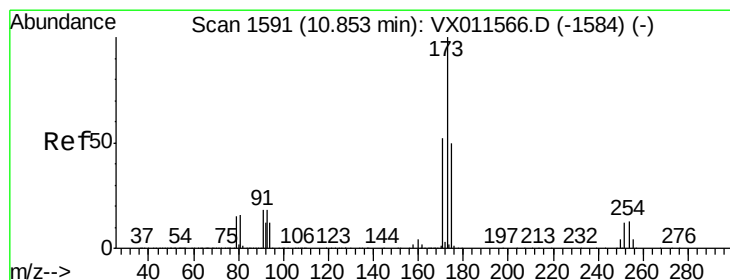
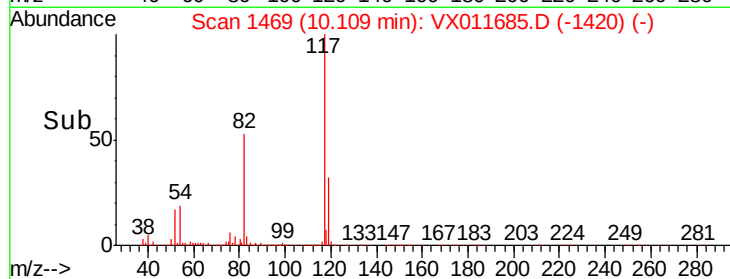
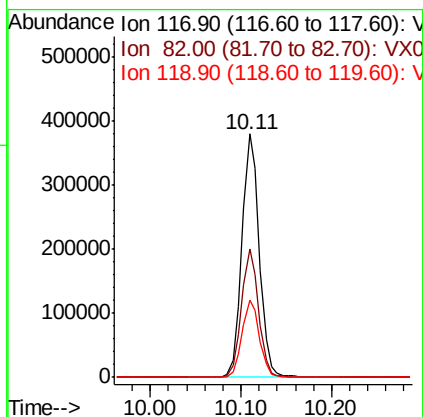
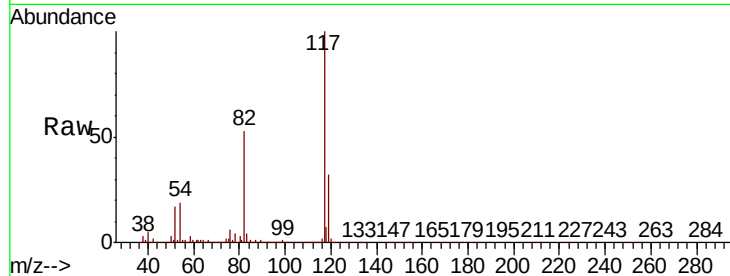




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011685.D
Acq: 20 Aug 2019 15:25

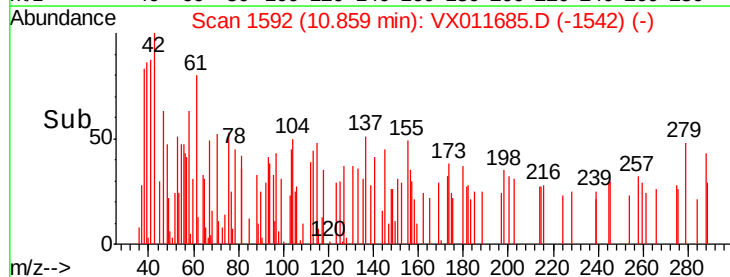
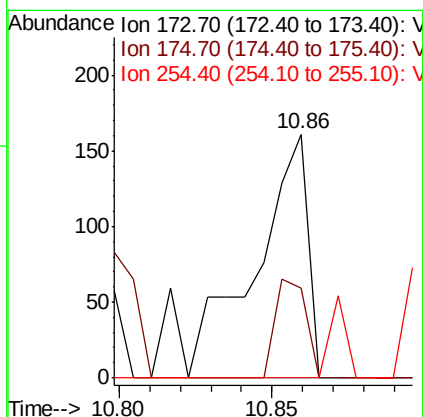
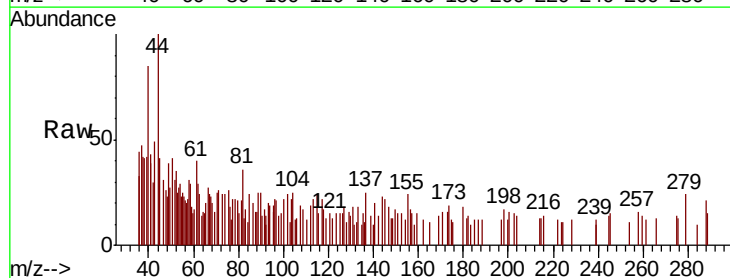
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

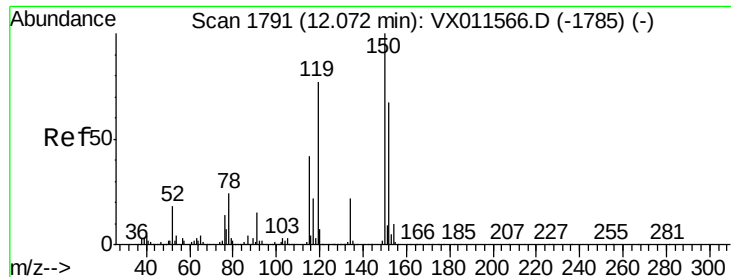
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.0	63.0
119	31.9	26.5	39.7



#71
Bromoform
Concen: 3.338 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX011685.D
Acq: 20 Aug 2019 15:25

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.9	74.7#
254	10.4	0.1	0.1#

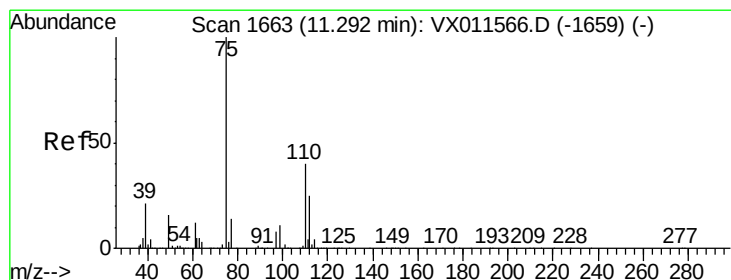
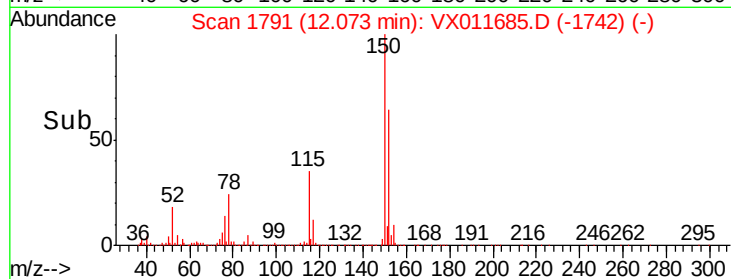
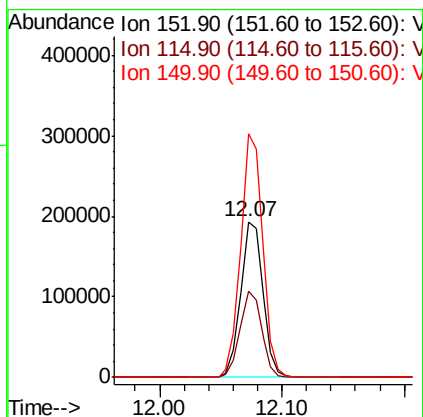
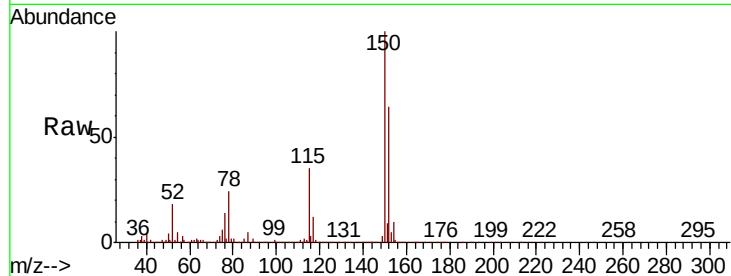




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011685.D
 Acq: 20 Aug 2019 15:25

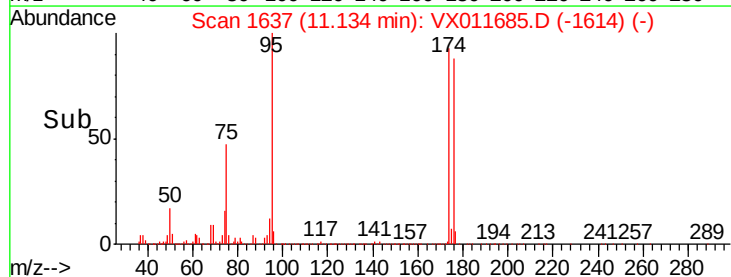
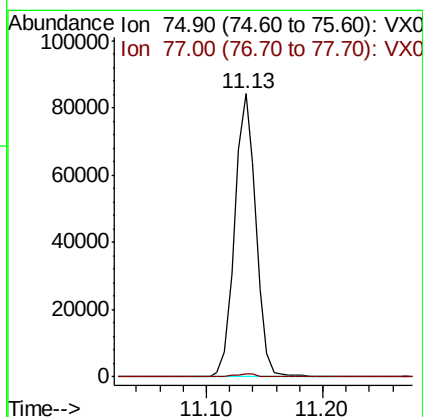
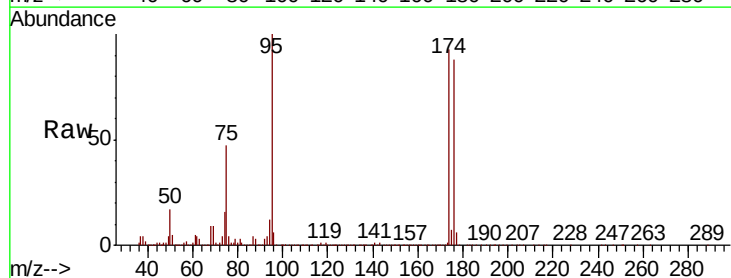
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

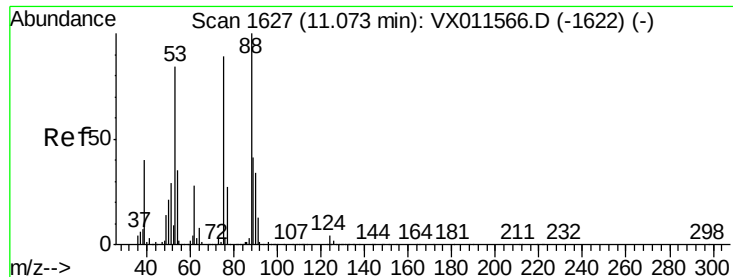
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	37.3	111.9
150	155.1	0.0	346.2



#76
 1,2,3-Trichloropropane
 Concen: 23.298 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011685.D
 Acq: 20 Aug 2019 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.9	62.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.935 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011685.D
 Acq: 20 Aug 2019 15:25

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

Tgt Ion: 75 Resp: 106503
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.4 116.0#
 89 0.2 37.3 55.9#

