

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014308.D
 Acq On : 27 Dec 2019 14:58
 Operator : JC/SP
 Sample : K6457-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 30 05:35:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	528838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	817168	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	734056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	315345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	295574	49.31	ug/l	0.00
Spiked Amount						
			Recovery	=	98.62%	
35) Dibromofluoromethane	5.49	113	241264	48.57	ug/l	0.00
Spiked Amount						
			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	973398	50.33	ug/l	0.00
Spiked Amount						
			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	319169	45.15	ug/l	0.00
Spiked Amount						
			Recovery	=	90.30%	

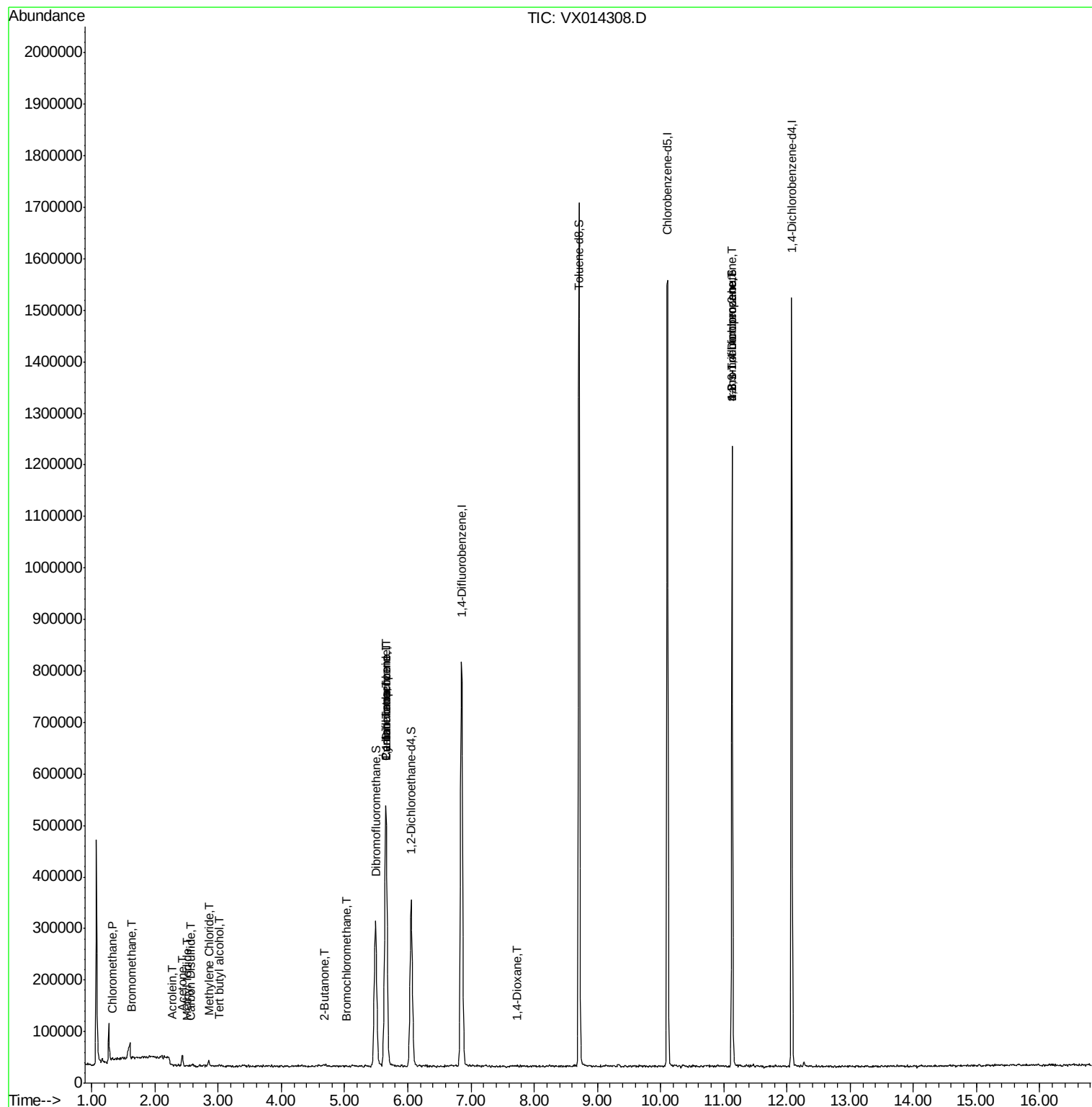
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2566	0.404	ug/l #	78
5) Bromomethane	1.64	94	1134	0.238	ug/l #	74
10) Methyl Iodide	2.51	142	601	2.707	ug/l #	1
11) Tert butyl alcohol	3.02	59	2725	2.104	ug/l #	86
13) Acrolein	2.28	56	198	0.267	ug/l #	5
16) Acetone	2.44	43	23698	6.090	ug/l	90
17) Carbon Disulfide	2.56	76	1024	0.822	ug/l #	23
20) Methylene Chloride	2.85	84	6151	1.004	ug/l #	90
25) 2-Butanone	4.69	43	4547	0.948	ug/l #	60
28) Bromochloromethane	5.03	49	489	0.579	ug/l #	92
31) Cyclohexane	5.65	56	8435	0.942	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	34944	4.660	ug/l #	51
38) Carbon Tetrachloride	5.65	117	46688	6.835	ug/l #	18
49) 1,4-Dioxane	7.73	88	545	3.991	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	158625	23.170	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	158625	65.398	ug/l #	12

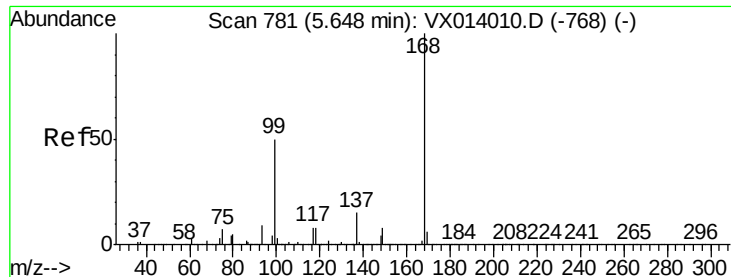
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

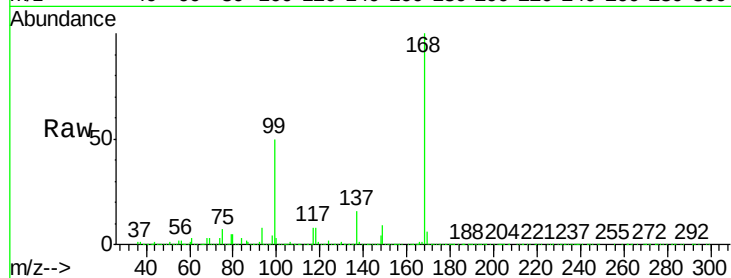
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:168 Resp: 528838

Ion Ratio Lower Upper

168 100

99 50.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

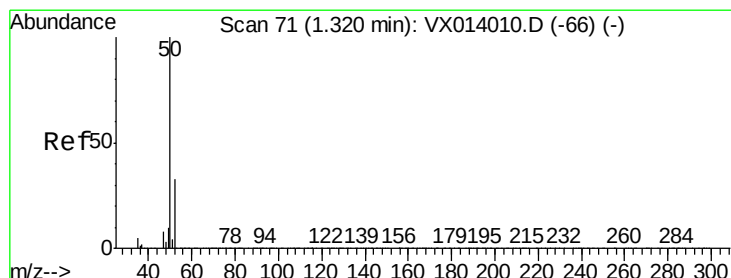
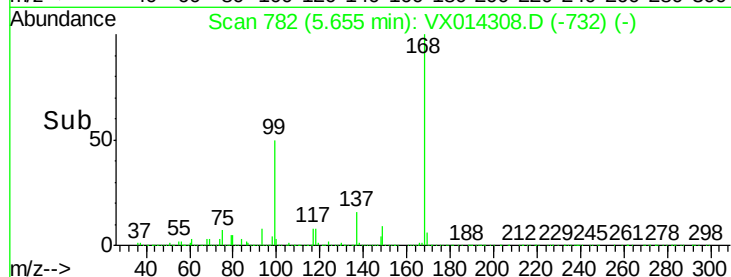
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.404 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014308.D

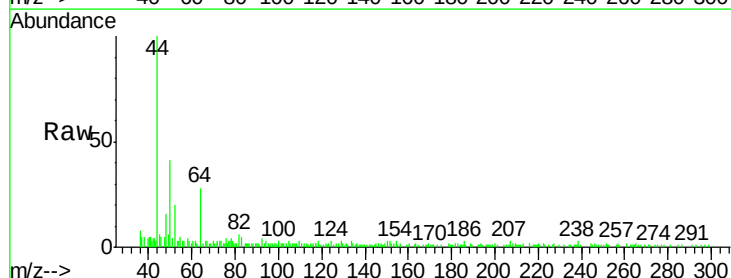
Acq: 27 Dec 2019 14:58

Tgt Ion: 50 Resp: 2566

Ion Ratio Lower Upper

50 100

52 45.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

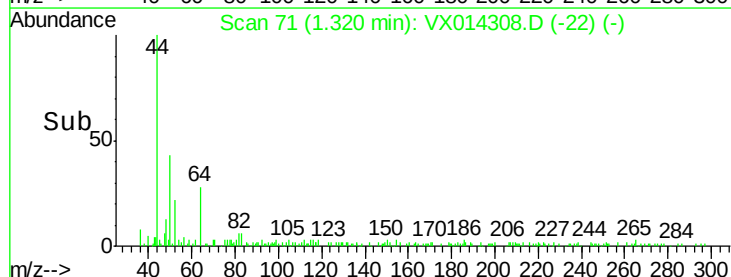
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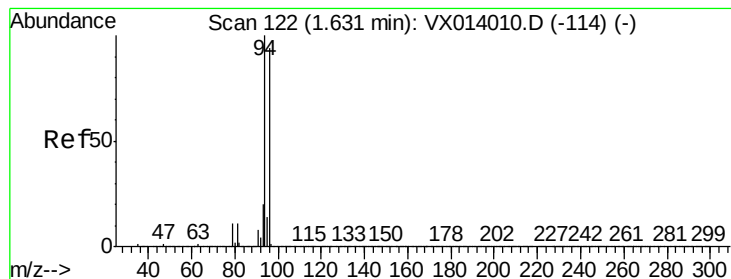
1000

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

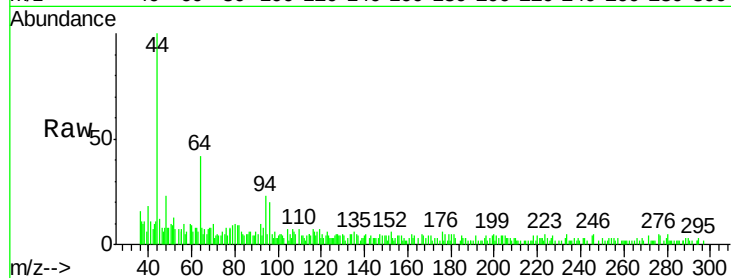
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 94 Resp: 1134

Ion Ratio Lower Upper

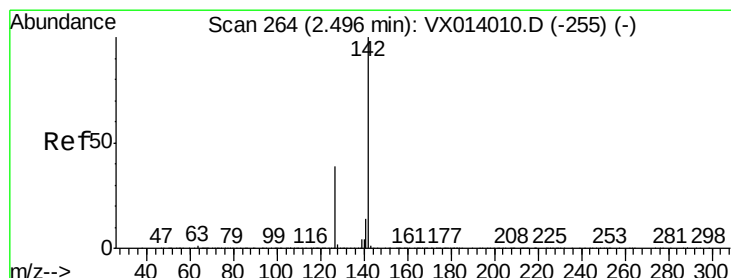
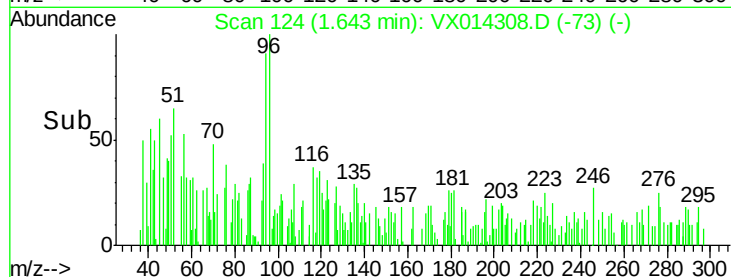
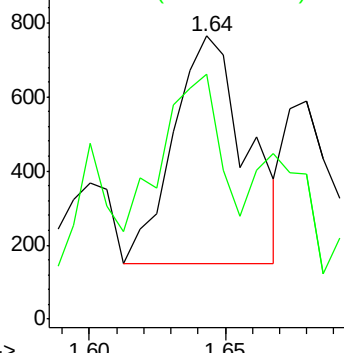
94 100

96 69.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.707 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

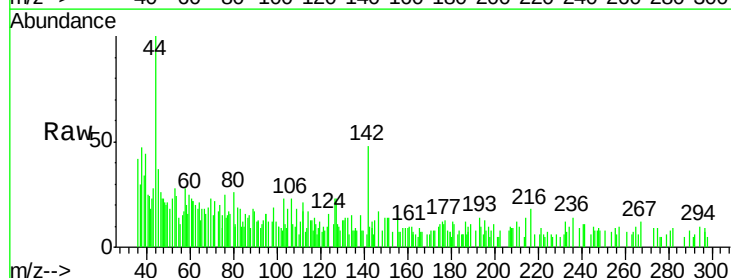
Tgt Ion: 142 Resp: 601

Ion Ratio Lower Upper

142 100

127 164.6 31.6 47.4#

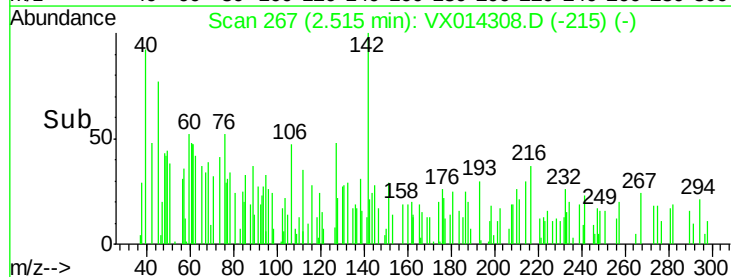
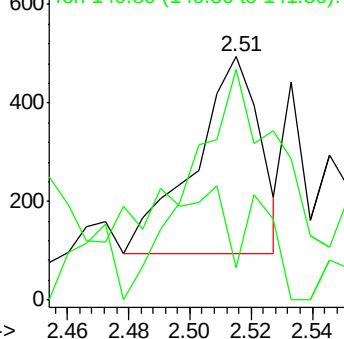
141 58.4 11.6 17.4#

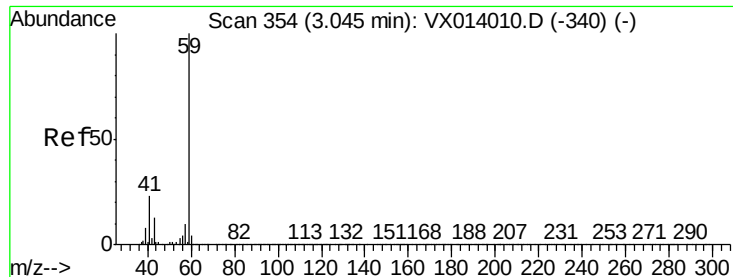


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



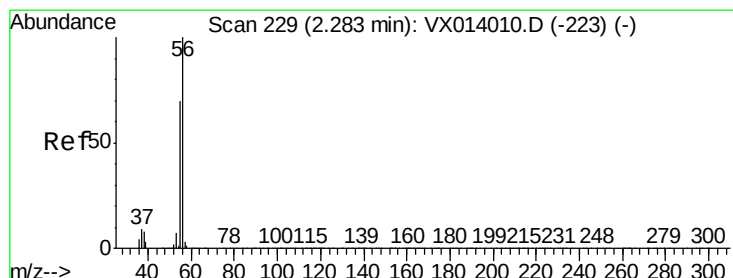
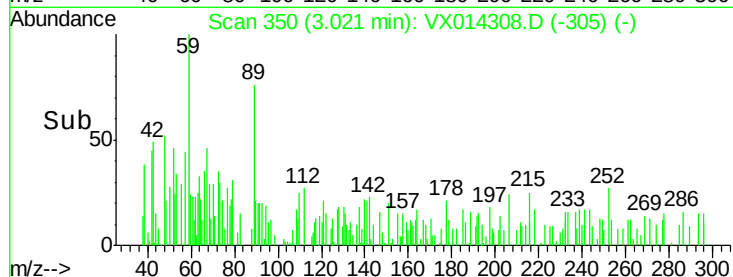
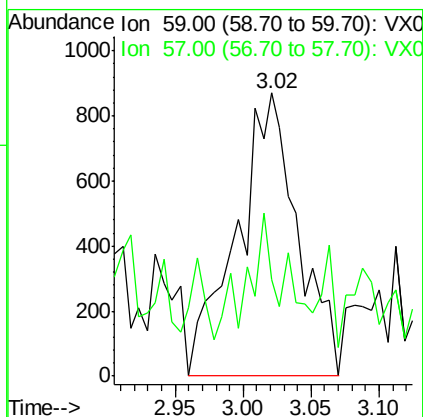
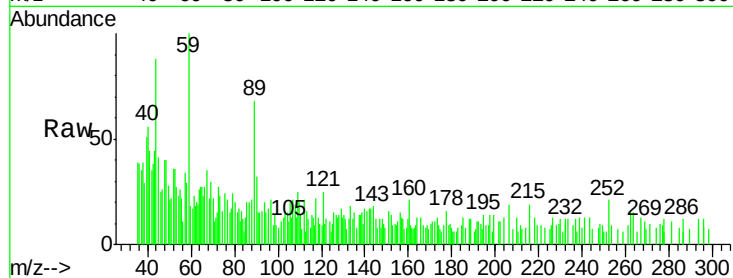


#11

Tert butyl alcohol
 Concen: 2.104 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014308.D
 Acq: 27 Dec 2019 14:58

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

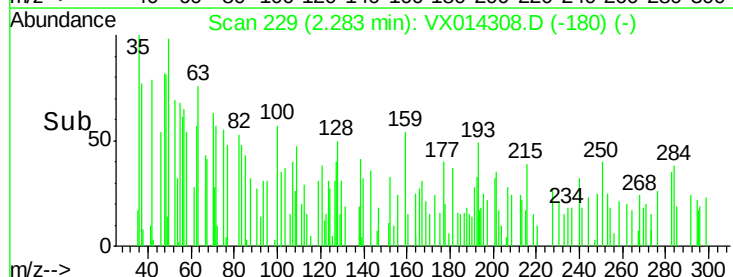
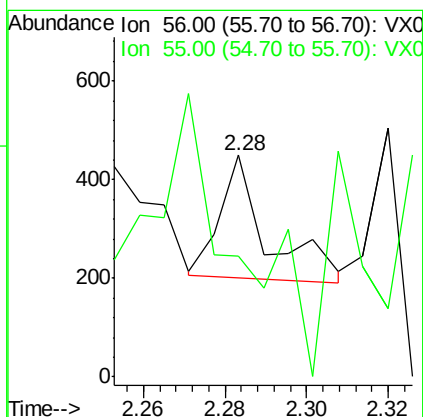
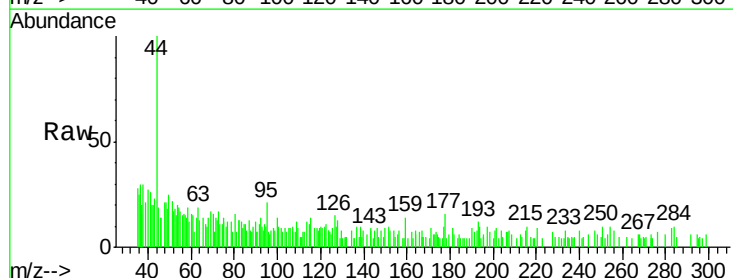
Tgt Ion: 59 Resp: 2725
 Ion Ratio Lower Upper
 59 100
 57 15.6 8.4 12.6#

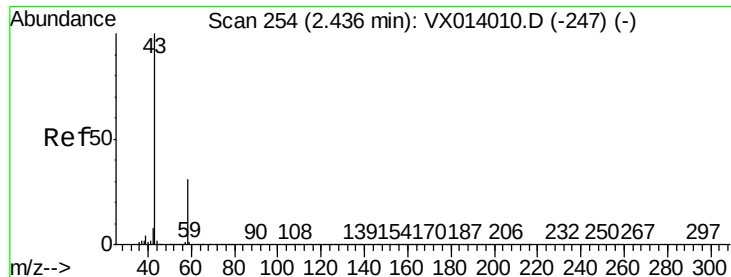


#13

Acrolein
 Concen: 0.267 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014308.D
 Acq: 27 Dec 2019 14:58

Tgt Ion: 56 Resp: 198
 Ion Ratio Lower Upper
 56 100
 55 150.0 56.9 85.3#





#16

Acetone

Concen: 6.090 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

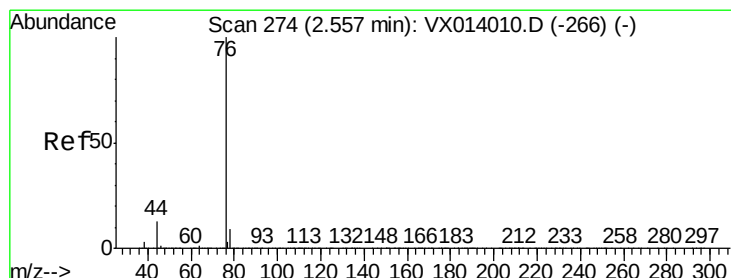
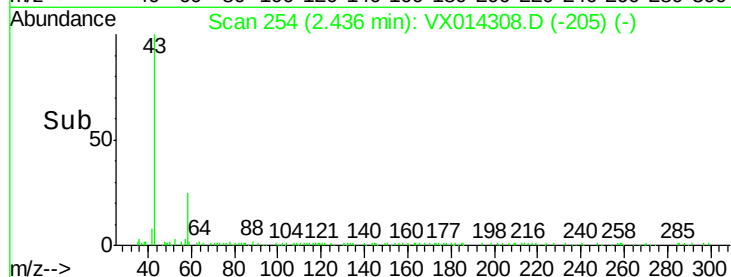
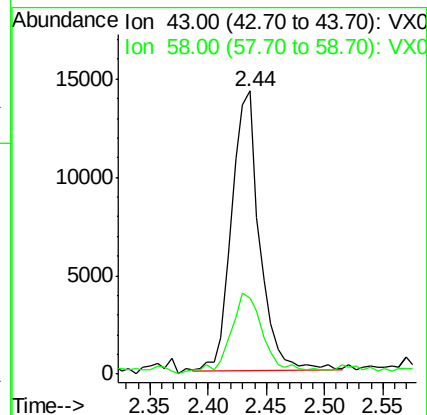
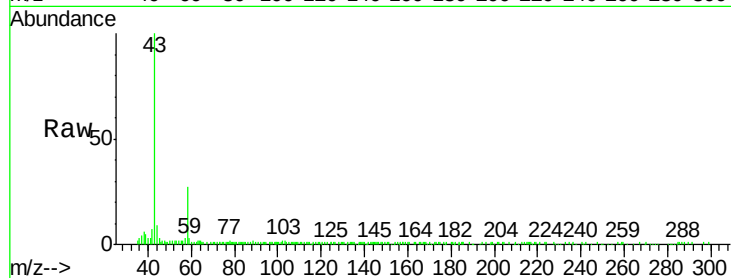
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 43 Resp: 23698

Ion Ratio Lower Upper

43 100

58 25.7 24.9 37.3



#17

Carbon Disulfide

Concen: 0.822 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014308.D

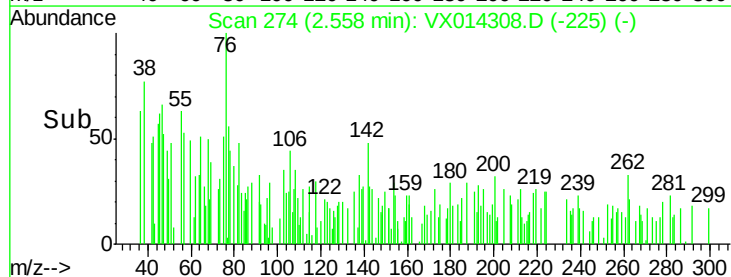
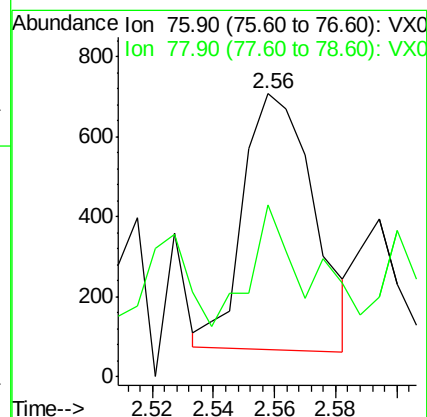
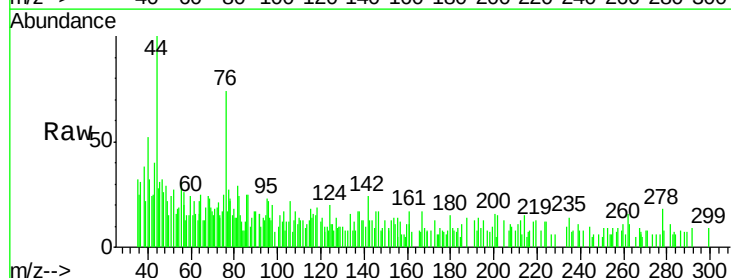
Acq: 27 Dec 2019 14:58

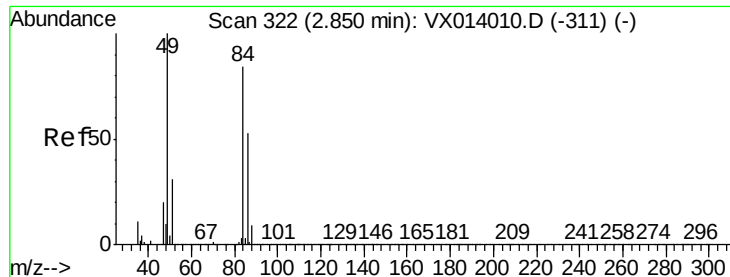
Tgt Ion: 76 Resp: 1024

Ion Ratio Lower Upper

76 100

78 36.9 7.2 10.8#

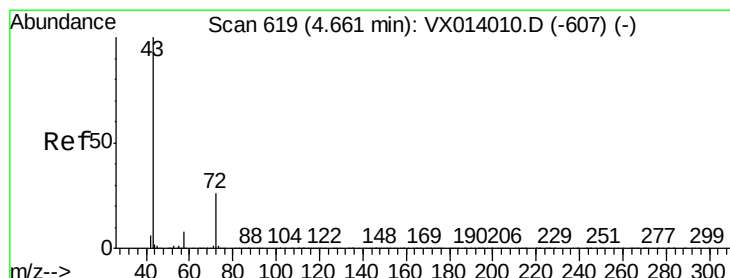
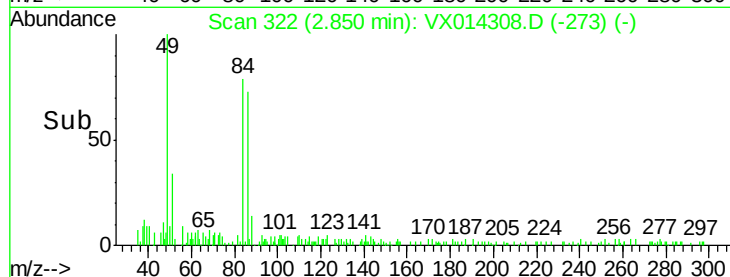
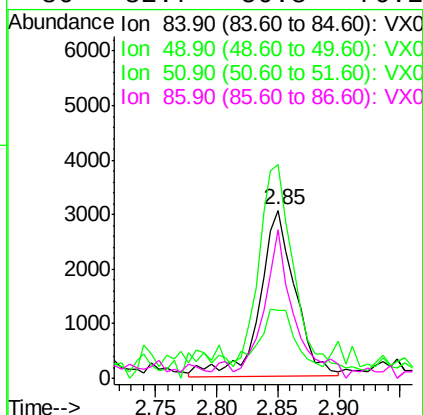
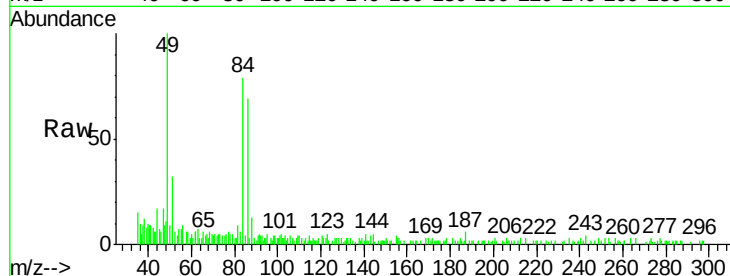




#20
Methylene Chloride
Concen: 1.004 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

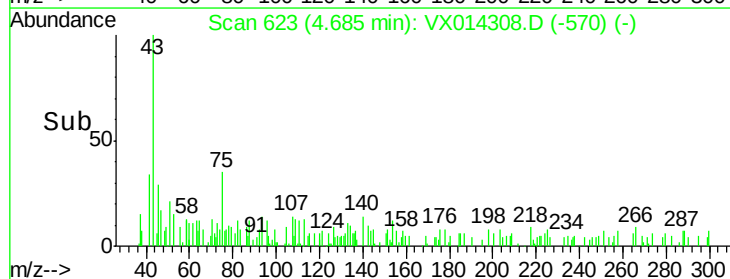
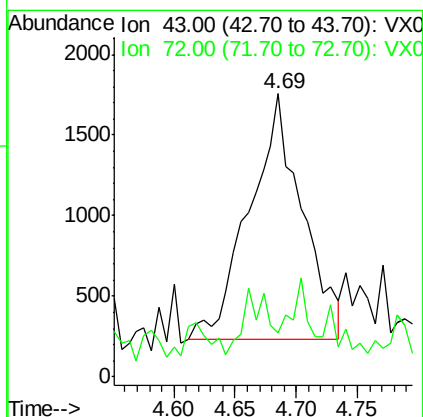
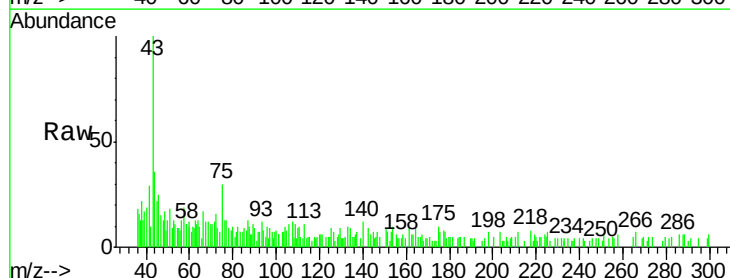
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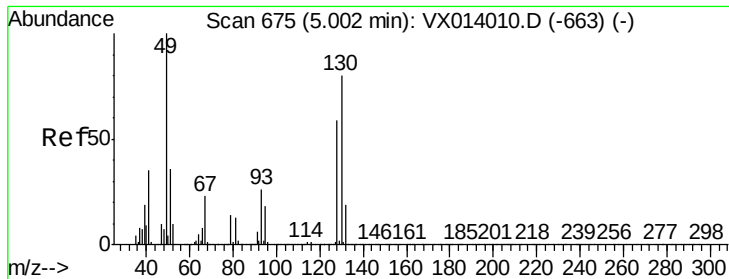
Tgt Ion: 84 Resp: 6151
Ion Ratio Lower Upper
84 100
49 116.7 95.8 143.6
51 32.9 29.8 44.8
86 82.7 50.8 76.2#



#25
2-Butanone
Concen: 0.948 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

Tgt Ion: 43 Resp: 4547
Ion Ratio Lower Upper
43 100
72 6.0 21.0 31.4#

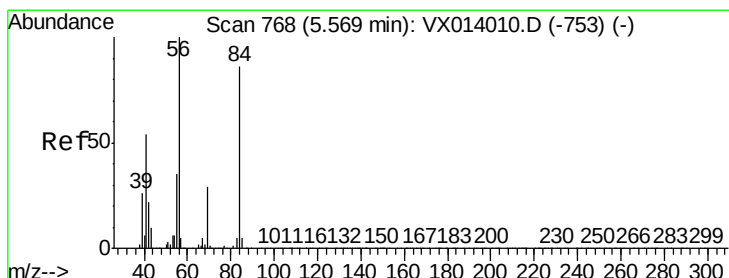
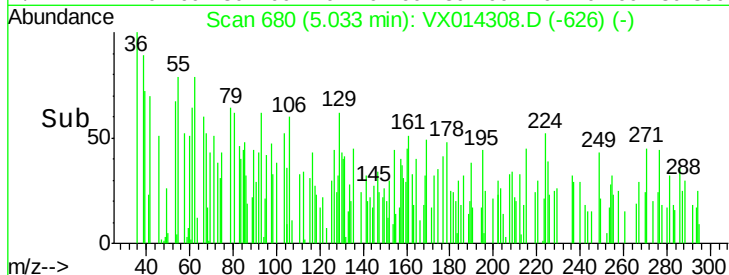
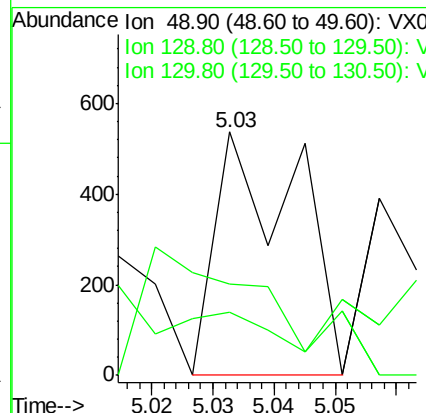
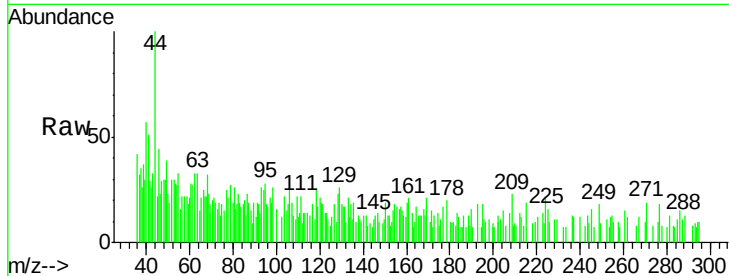




#28
Bromochloromethane
Concen: 0.579 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.03 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

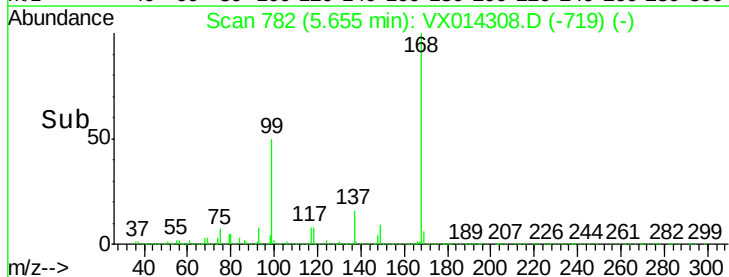
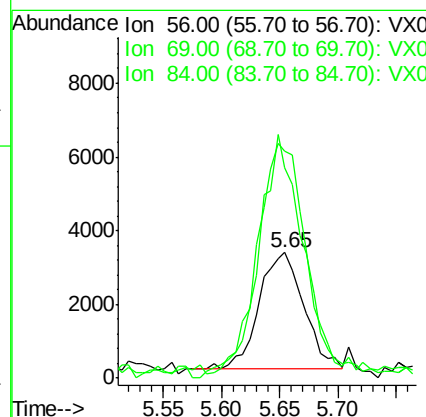
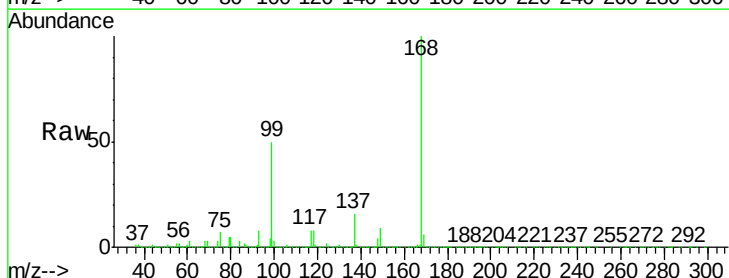
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STORAGE-BLANK-SAMPLE-MANA

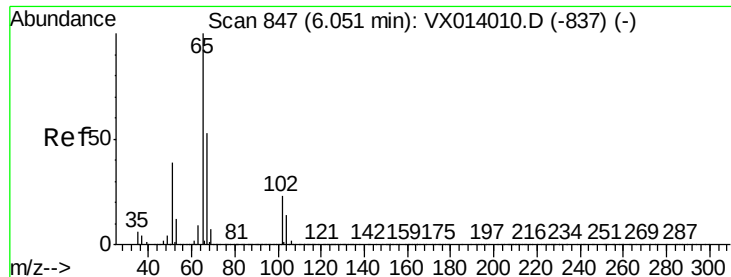
Tgt Ion: 49 Resp: 489
Ion Ratio Lower Upper
49 100
129 71.8 0.0 5.0#
130 78.7 64.6 97.0



#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

Tgt Ion: 56 Resp: 8435
Ion Ratio Lower Upper
56 100
69 188.2 23.2 34.8#
84 168.0 69.2 103.8#

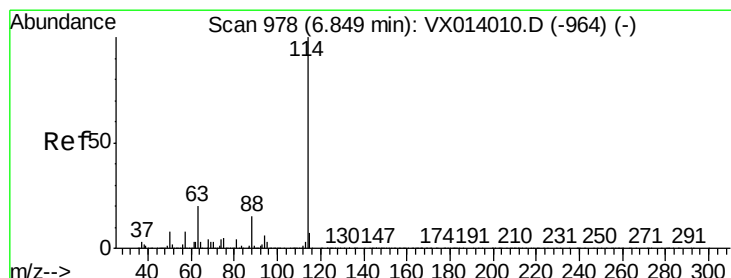
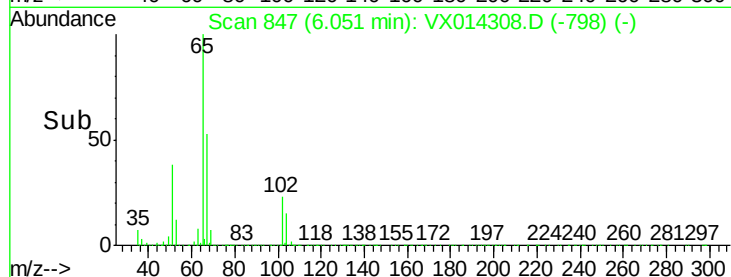
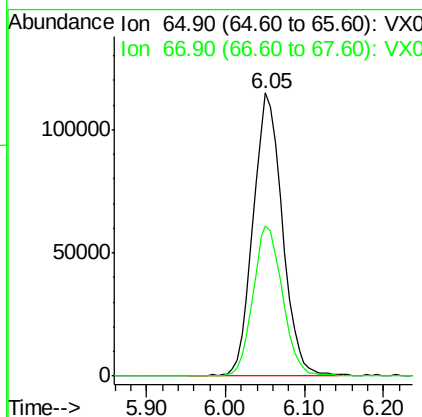
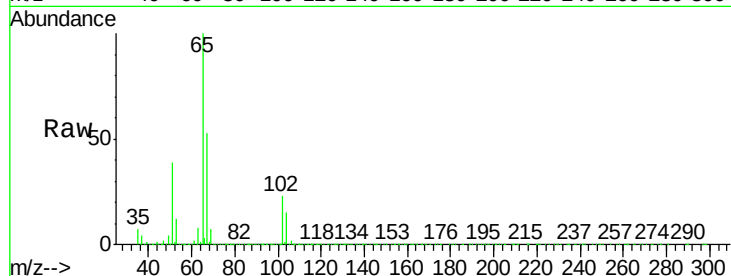




#33
 1,2-Dichloroethane-d4
 Concen: 49.315 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014308.D
 Acq: 27 Dec 2019 14:58

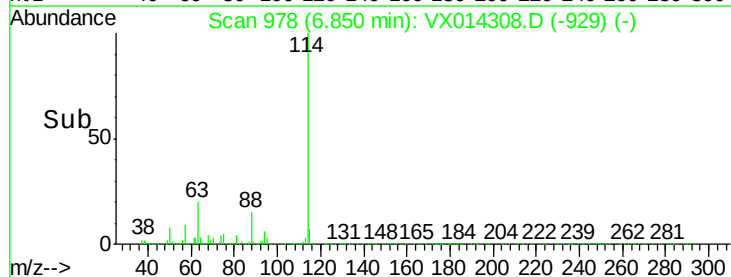
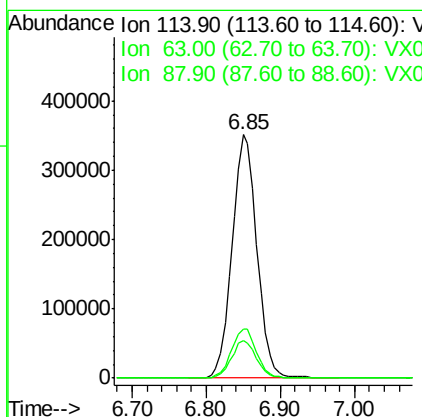
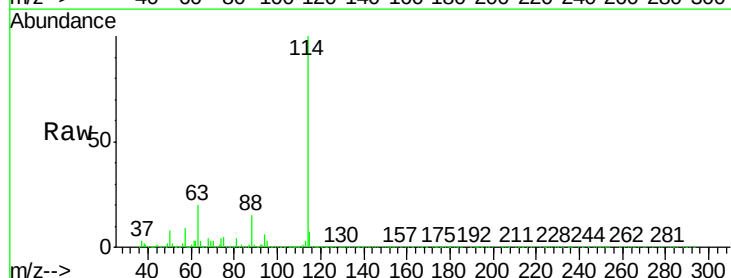
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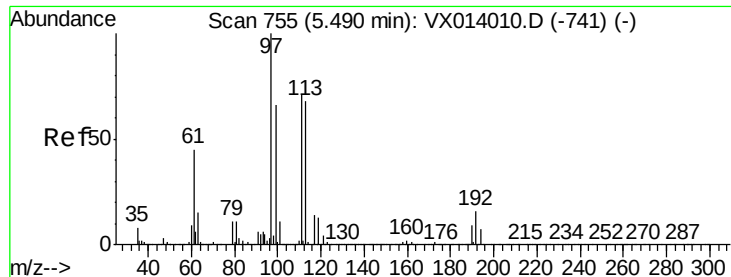
Tgt Ion: 65 Resp: 295574
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014308.D
 Acq: 27 Dec 2019 14:58

Tgt Ion: 114 Resp: 817168
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 15.2 0.0 30.4

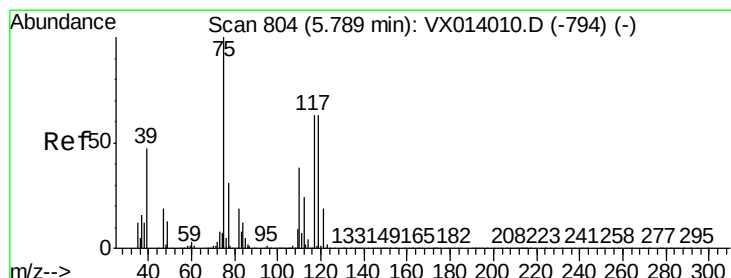
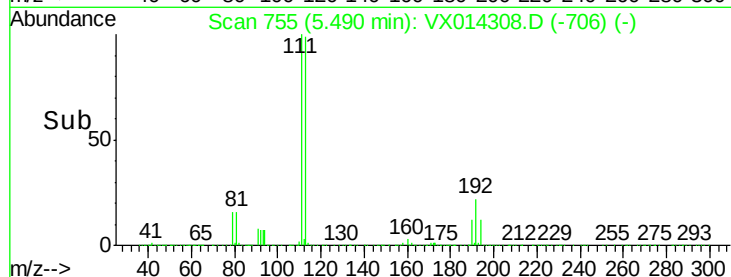
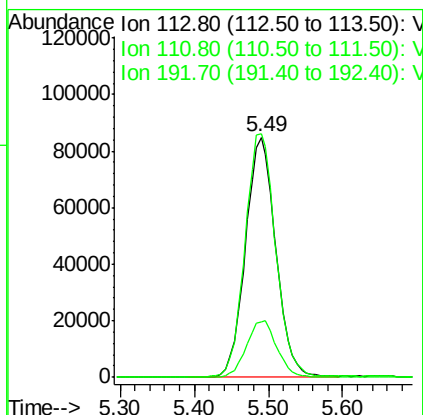
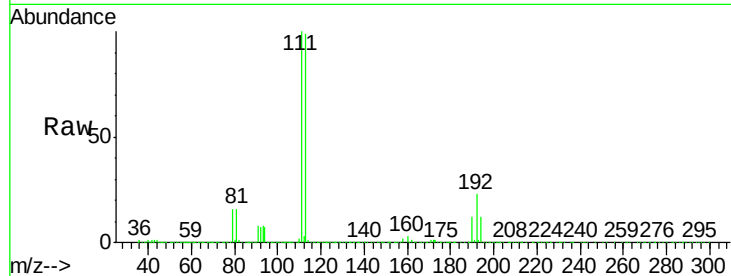




#35
 Dibromofluoromethane
 Concen: 48.569 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014308.D
 Acq: 27 Dec 2019 14:58

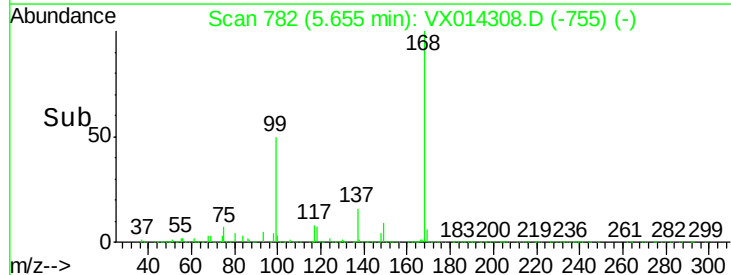
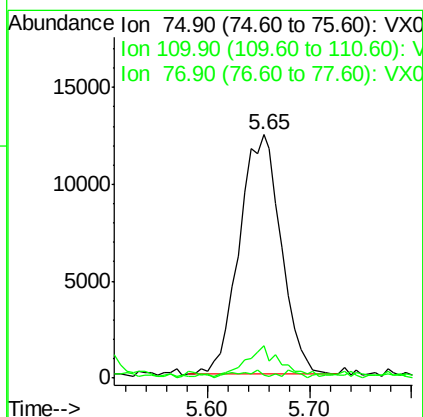
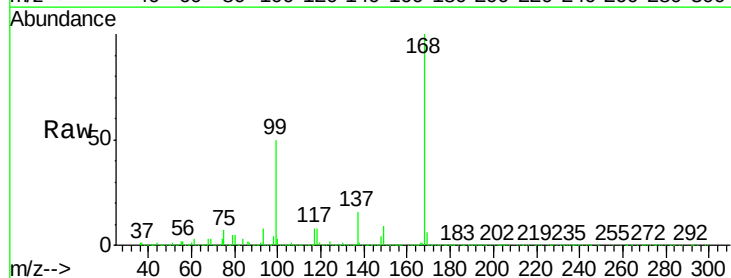
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

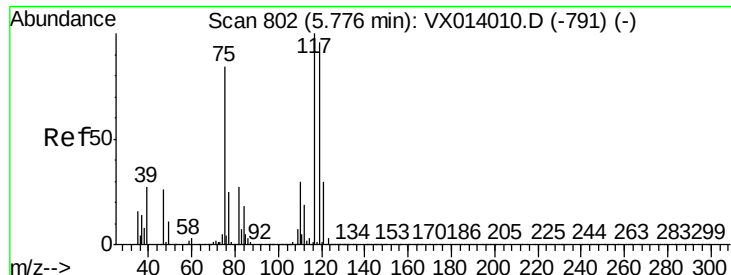
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	23.9	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014308.D
 Acq: 27 Dec 2019 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.3	54.9#
77	0.9	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.835 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

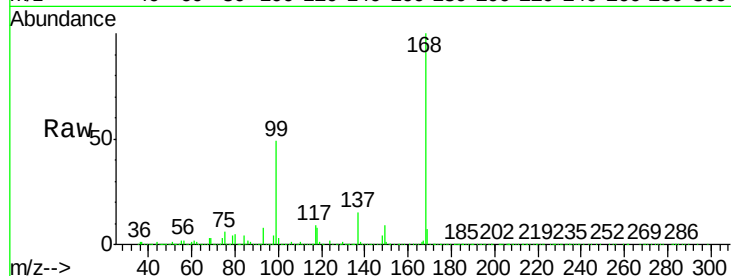
Tgt Ion:117 Resp: 46688

Ion Ratio Lower Upper

117 100

119 6.9 76.2 114.4#

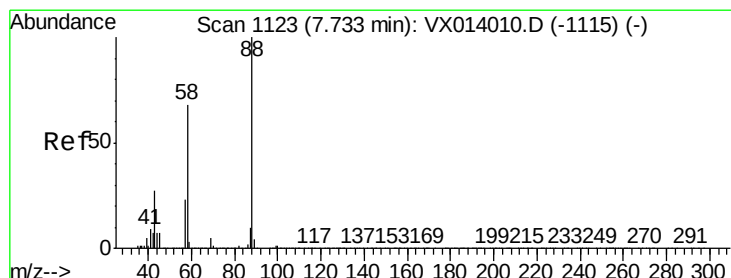
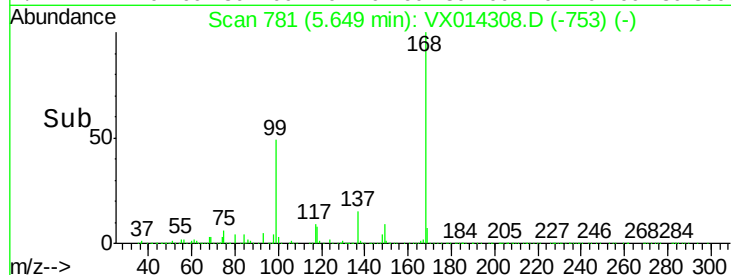
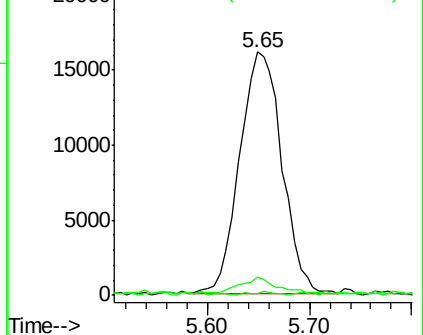
121 0.0 23.6 35.4#



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: 3.991 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

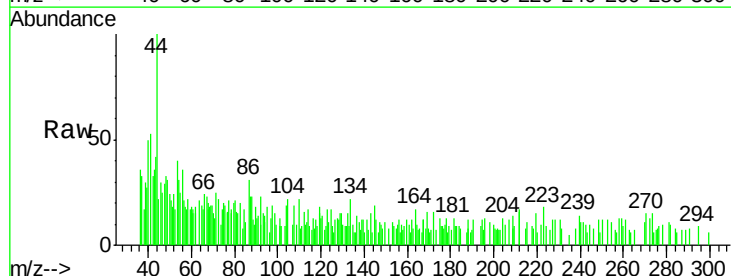
Tgt Ion: 88 Resp: 545

Ion Ratio Lower Upper

88 100

43 76.0 26.5 39.7#

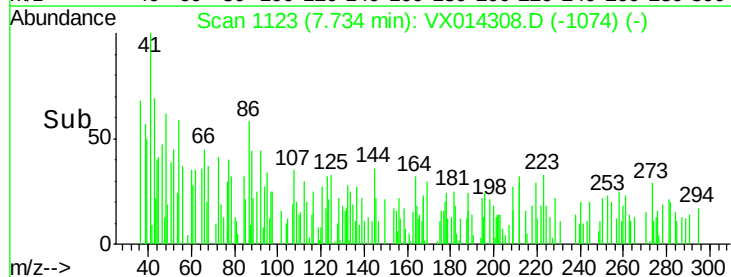
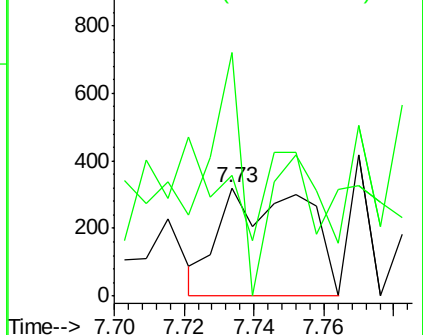
58 0.0 56.8 85.2#

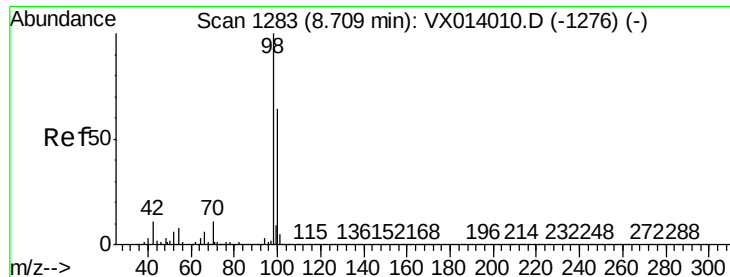


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

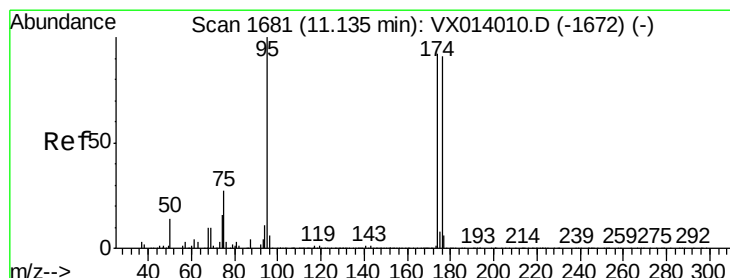
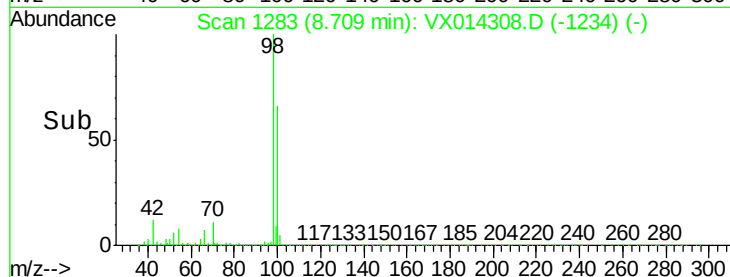
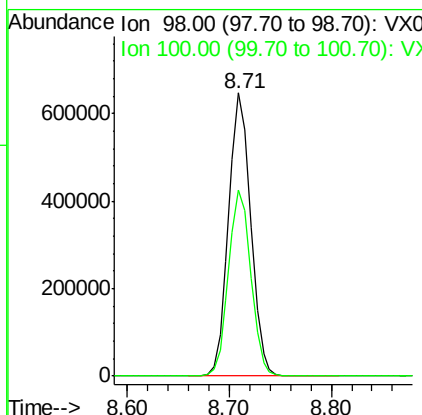
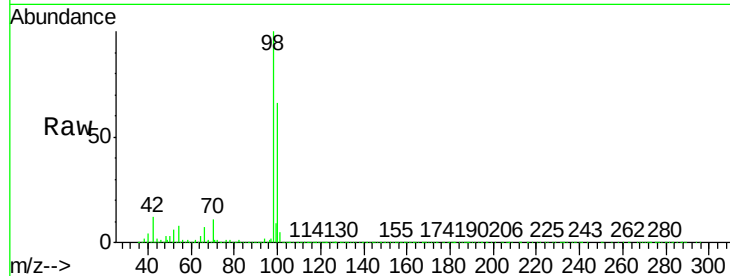




#50
Toluene-d8
Concen: 50.332 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

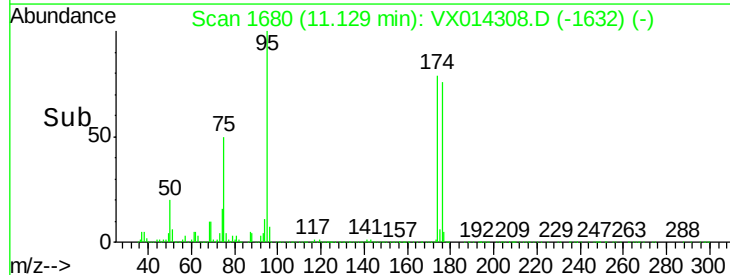
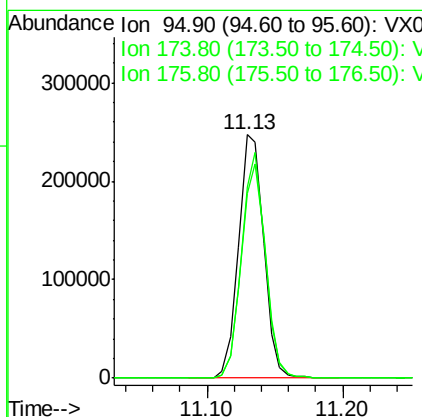
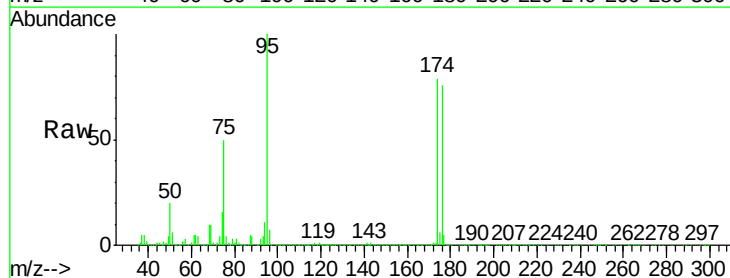
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

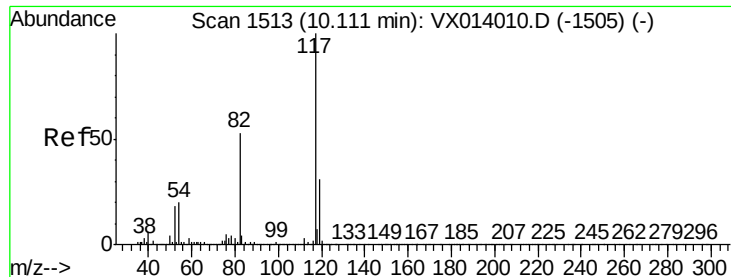
Tgt Ion: 98 Resp: 973398
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.147 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

Tgt Ion: 95 Resp: 319169
Ion Ratio Lower Upper
95 100
174 87.8 0.0 175.8
176 85.4 0.0 173.0

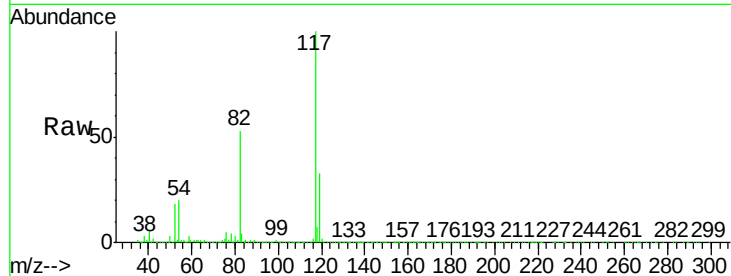




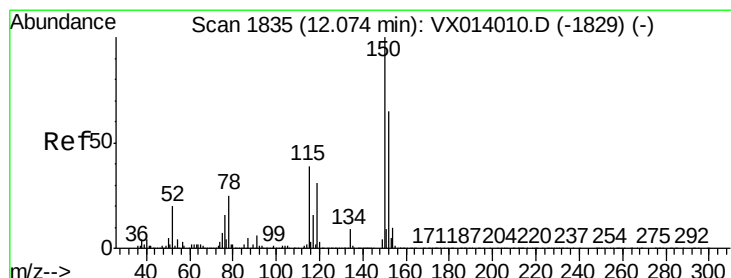
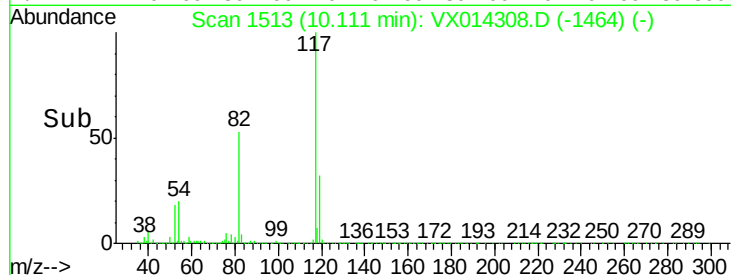
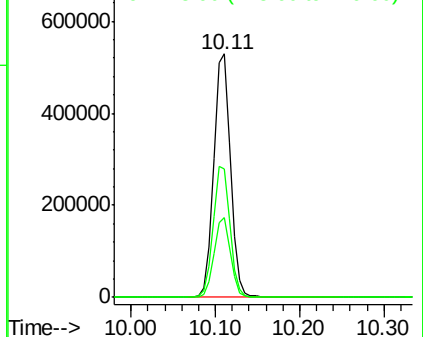
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	32.5	25.1	37.7

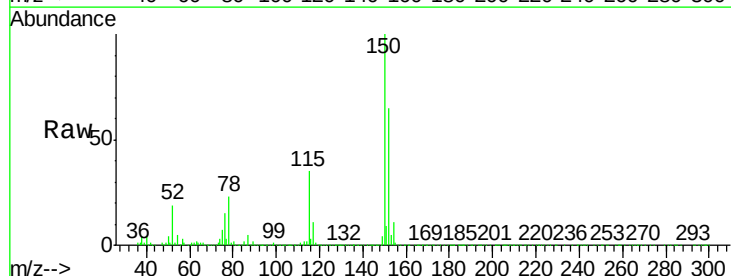


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

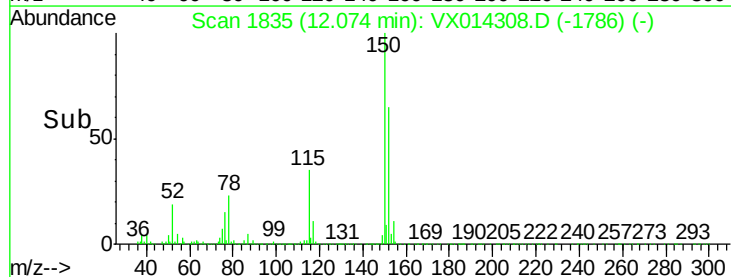
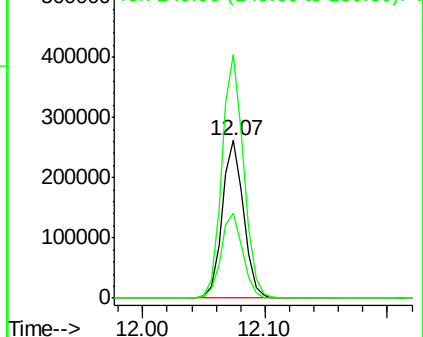


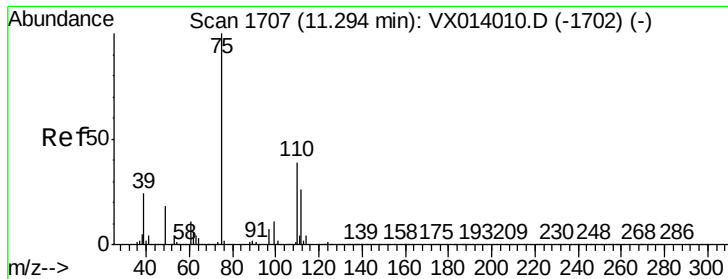
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014308.D
Acq: 27 Dec 2019 14:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.3	114.9
150	156.7	0.0	345.4



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: 23.170 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

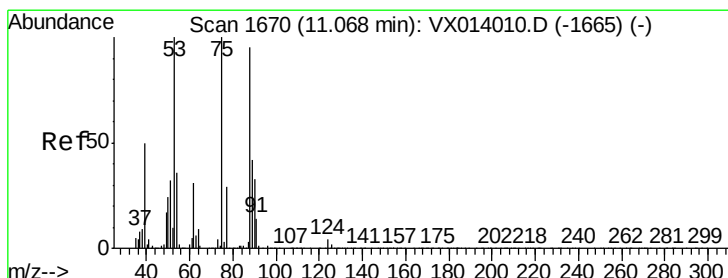
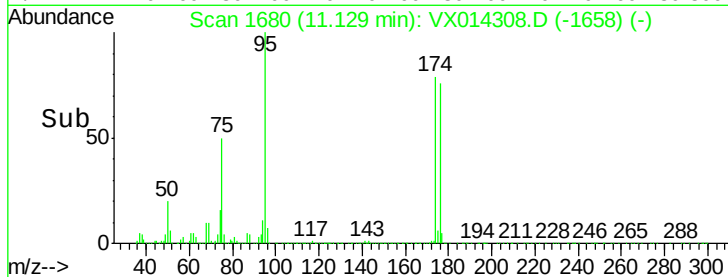
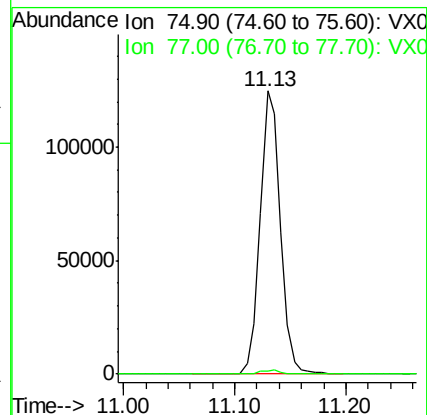
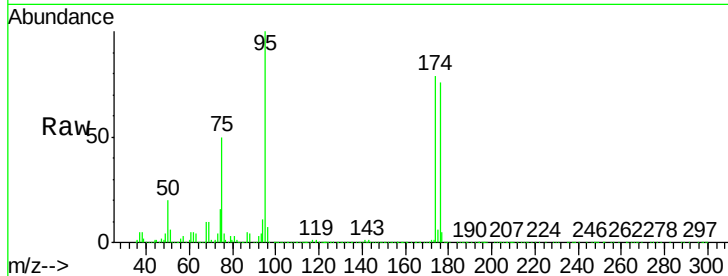
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 158625

Ion Ratio Lower Upper

75 100

77 1.2 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.398 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014308.D

Acq: 27 Dec 2019 14:58

Tgt Ion: 75 Resp: 158625

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.1 34.6 51.8#

