

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021020\
 Data File : VX014890.D
 Acq On : 10 Feb 2020 16:08
 Operator : JC/SP
 Sample : L1448-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 11 06:45:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	440577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	677815	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	644785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	346199	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	251064	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	5.49	113	210345	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	810759	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.13	95	299183	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	

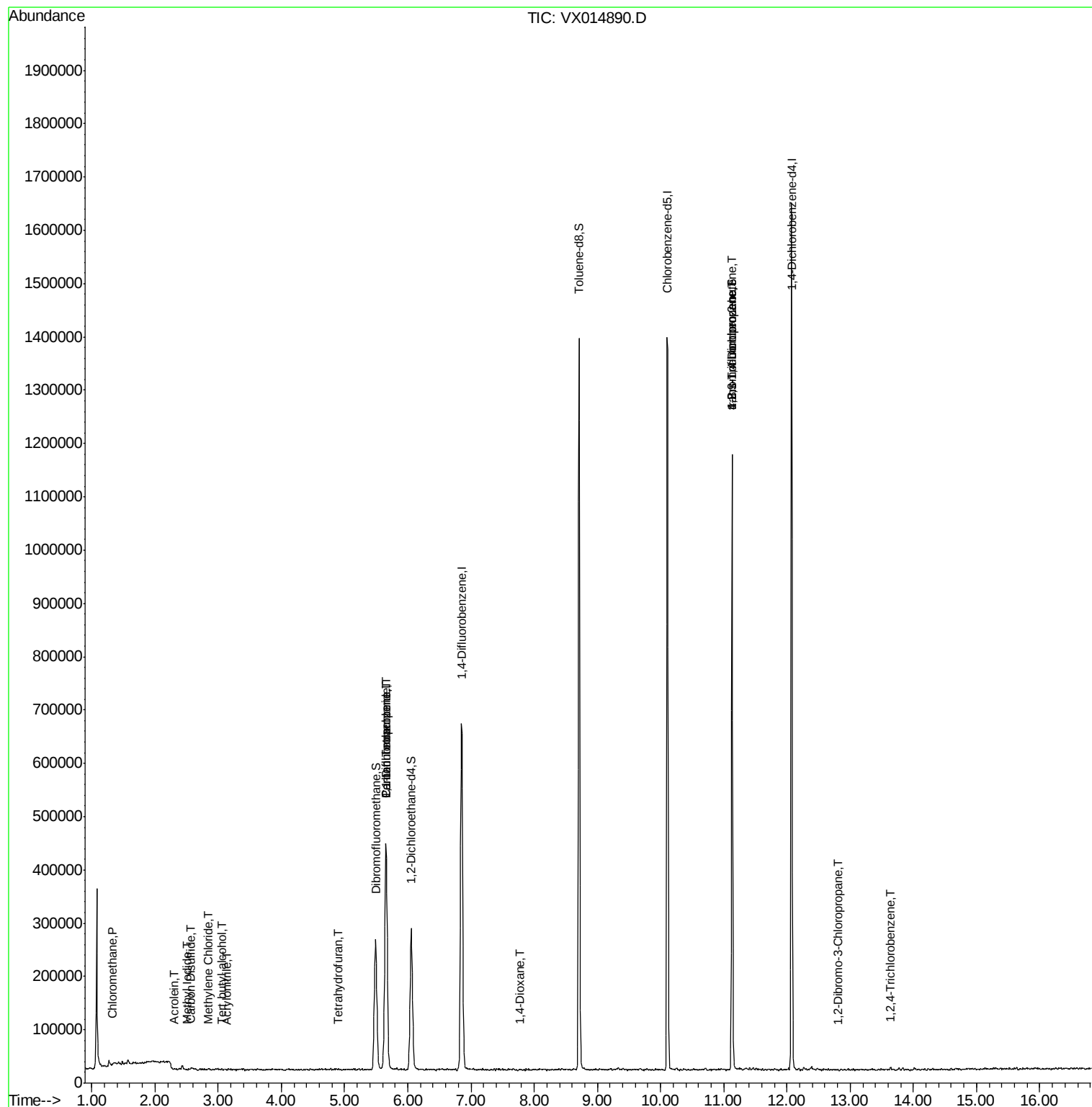
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1609	0.340	ug/l	98
10) Methyl Iodide	2.51	142	727	4.513	ug/l #	43
11) Tert butyl alcohol	3.06	59	1316	1.499	ug/l #	78
13) Acrolein	2.29	56	237	0.354	ug/l #	15
15) Acrylonitrile	3.14	53	790	0.355	ug/l #	35
16) Acetone	2.43	43	9818	Below Cal		90
17) Carbon Disulfide	2.56	76	2785	0.247	ug/l #	81
20) Methylene Chloride	2.84	84	1878	0.393	ug/l	95
29) Tetrahydrofuran	4.90	42	448	0.233	ug/l	97
36) 1,1-Dichloropropene	5.65	75	29146	4.807	ug/l #	53
38) Carbon Tetrachloride	5.65	117	37958	6.424	ug/l #	17
49) 1,4-Dioxane	7.76	88	252	2.625	ug/l #	45
76) 1,2,3-Trichloropropane	11.13	75	152427	24.348	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	152427	62.323	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.79	75	334	0.201	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	1923	0.244	ug/l #	72

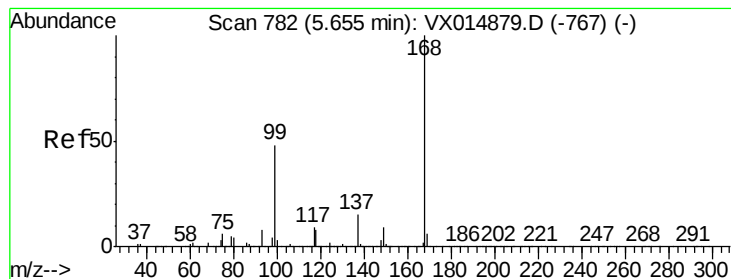
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 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: VX014890.D

Acq: 10 Feb 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

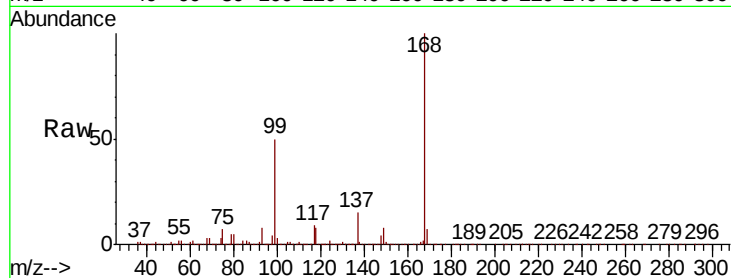
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 440577

Ion Ratio Lower Upper

168 100

99 49.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

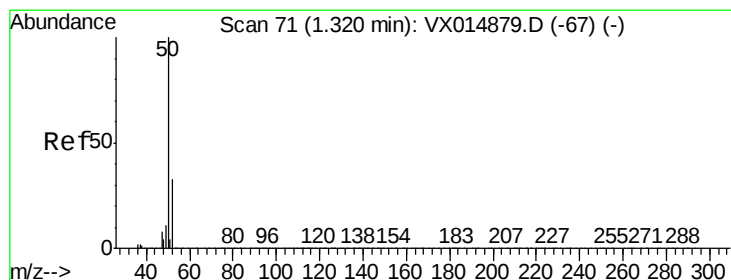
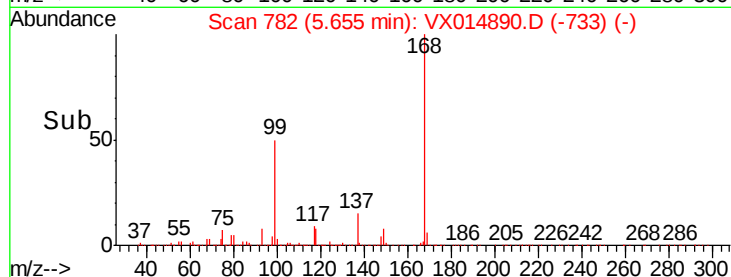
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.340 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014890.D

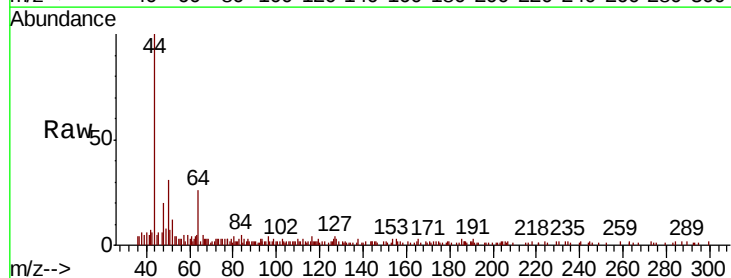
Acq: 10 Feb 2020 16:08

Tgt Ion: 50 Resp: 1609

Ion Ratio Lower Upper

50 100

52 31.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

1500

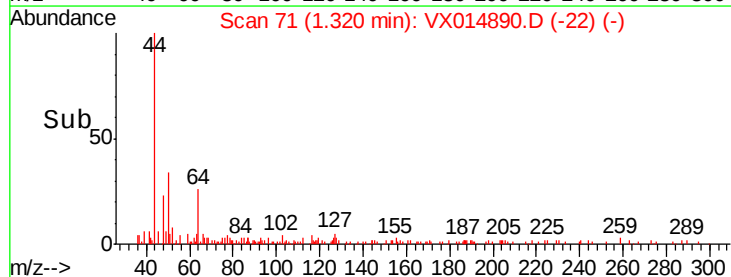
1000

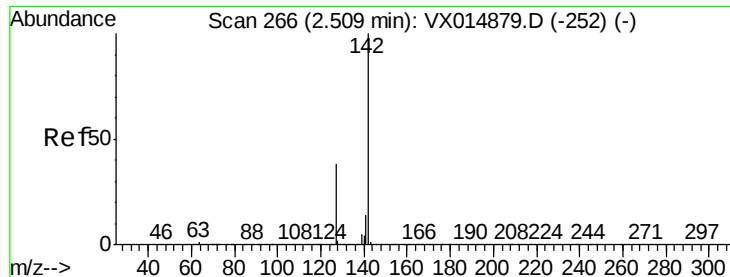
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0

Time-->

1.28 1.30 1.32 1.34 1.36

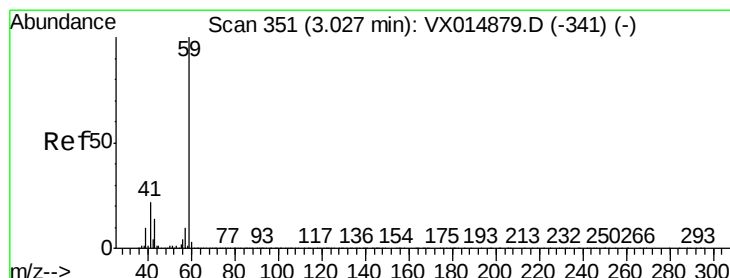
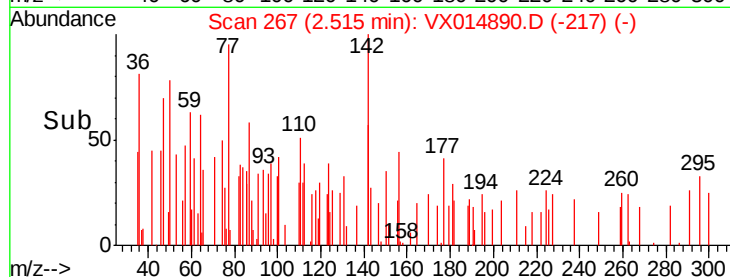
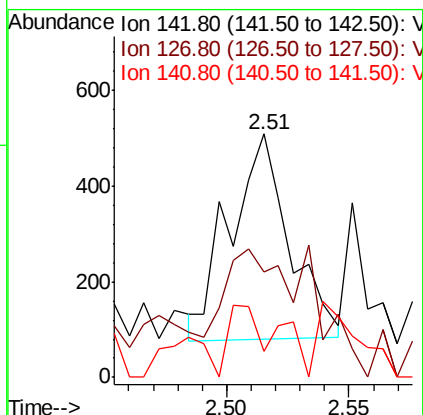
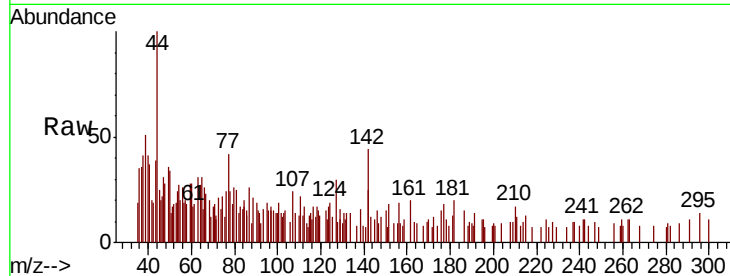




#10
Methvl Iodide
Concen: 4.513 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

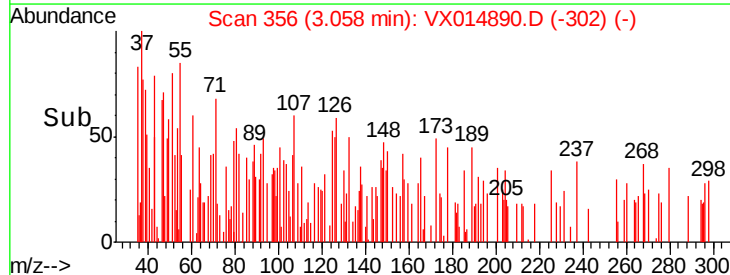
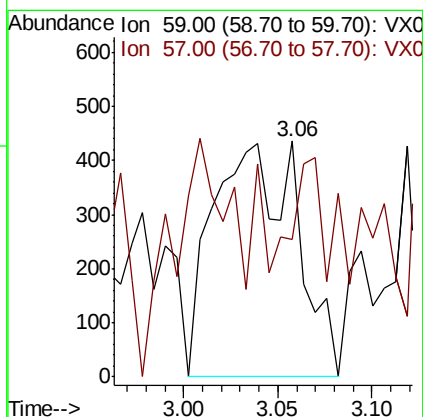
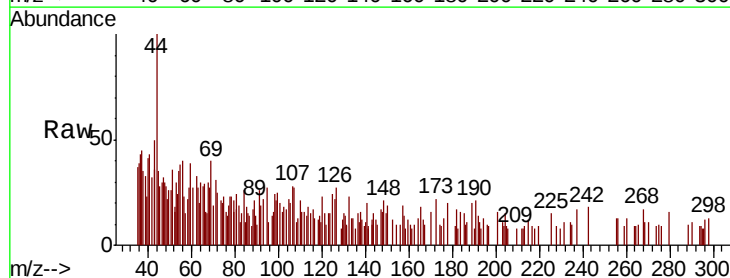
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

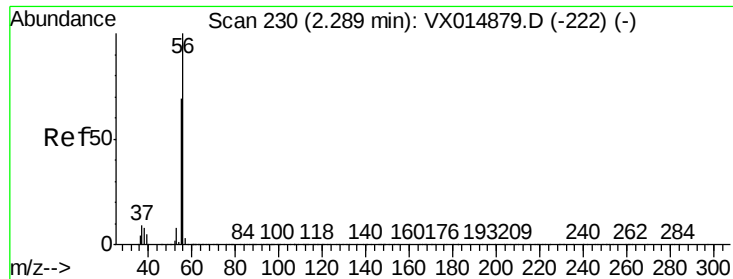
Tot Ion:142 Resp: 727
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 29.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.499 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.03 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

Tgt Ion: 59 Resp: 1316
Ion Ratio Lower Upper
59 100
57 18.6 8.2 12.4#

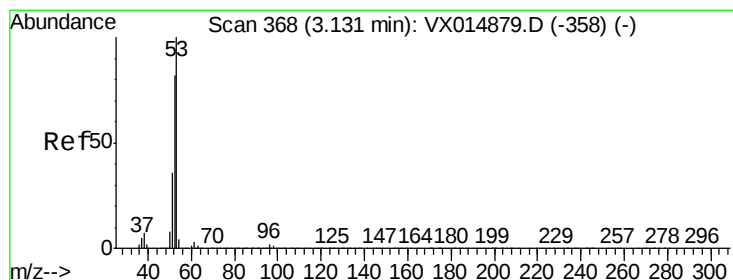
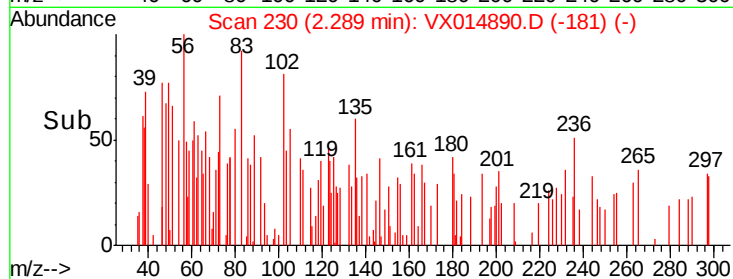
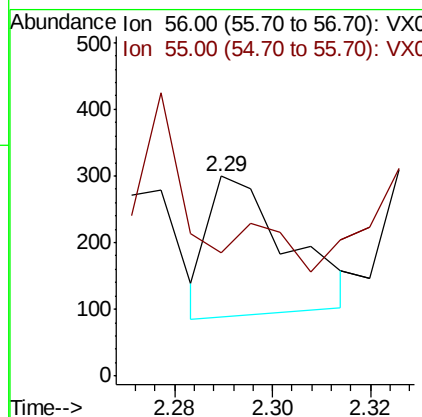
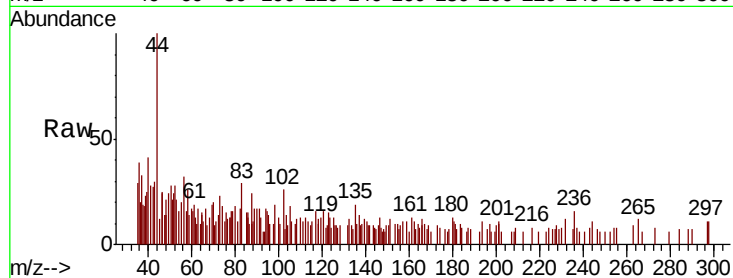




#13
Acrolein
Concen: 0.354 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

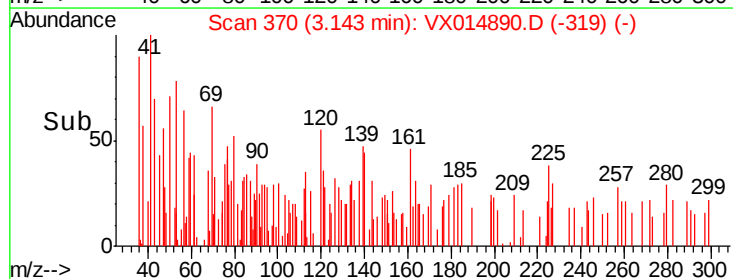
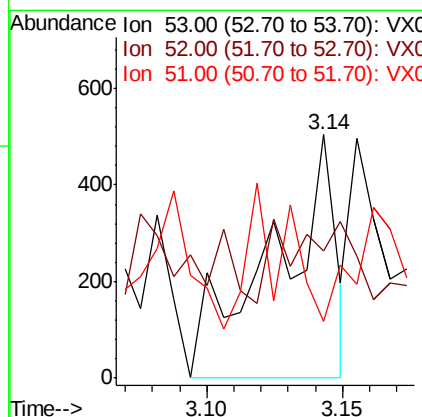
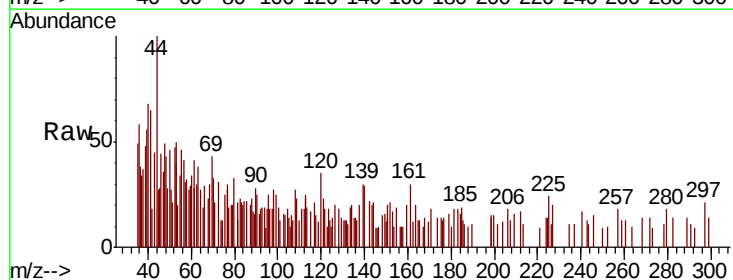
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

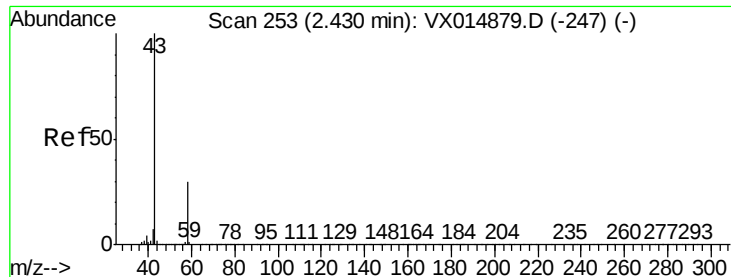
Tot Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#15
Acrylonitrile
Concen: 0.355 ug/l
RT: 3.14 min Scan# 370
Delta R.T. 0.01 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

Tgt Ion: 53 Resp: 790
Ion Ratio Lower Upper
53 100
52 0.0 65.8 98.6#
51 33.0 29.1 43.7





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

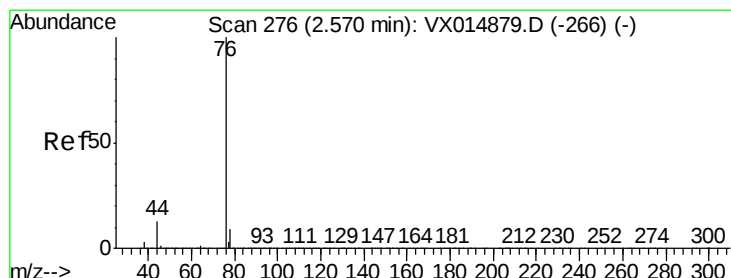
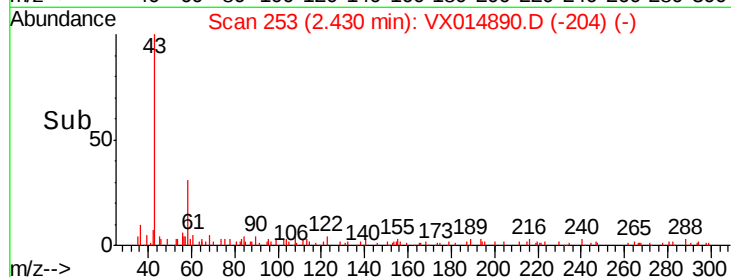
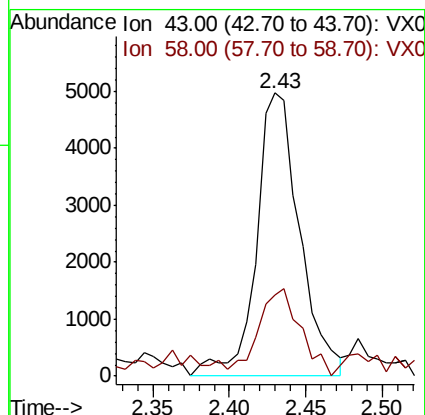
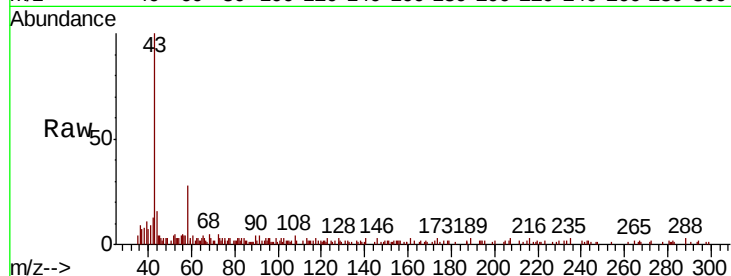
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 9818

Ion Ratio Lower Upper

43 100

58 24.8 24.1 36.1



#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014890.D

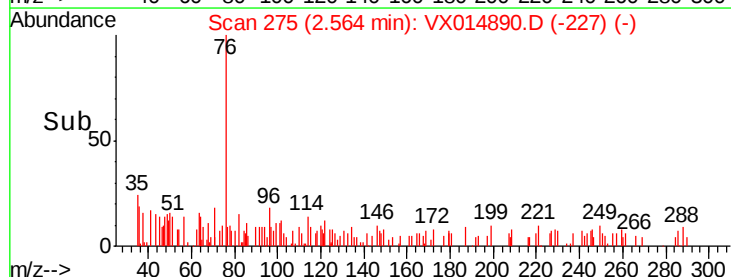
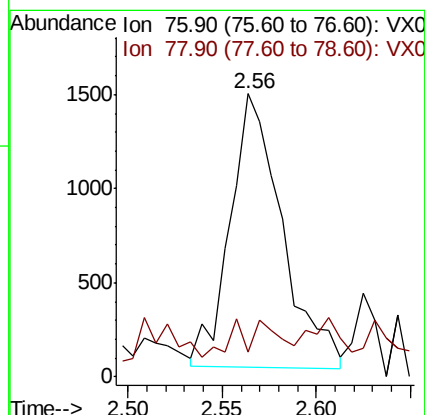
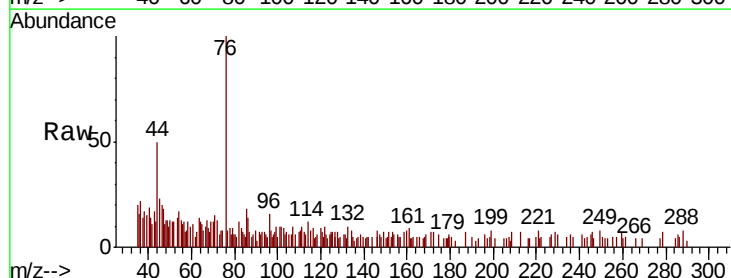
Acq: 10 Feb 2020 16:08

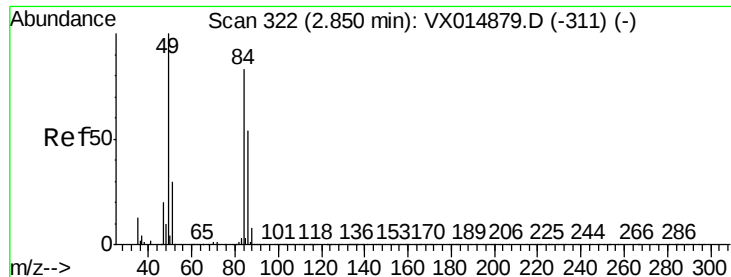
Tgt Ion: 76 Resp: 2785

Ion Ratio Lower Upper

76 100

78 2.1 7.4 11.0#

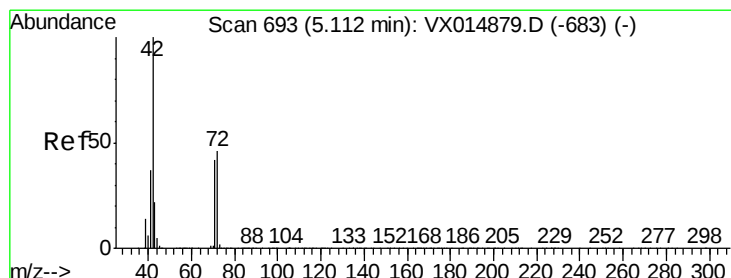
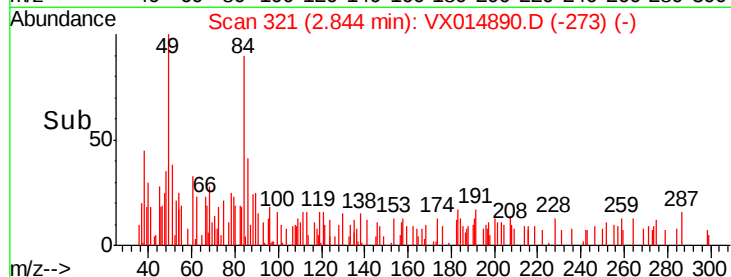
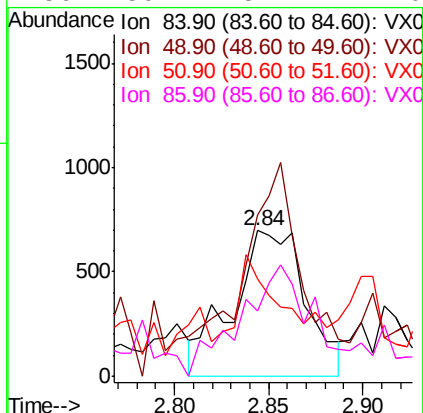
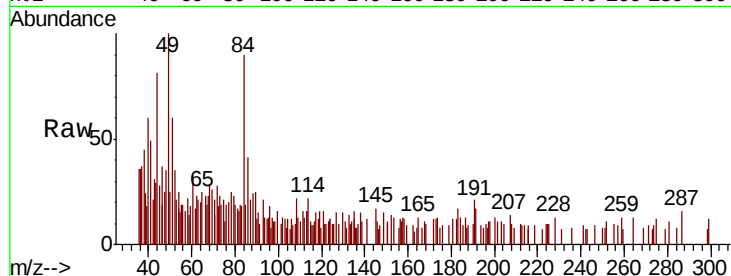




#20
Methvlene Chloride
Concen: 0.393 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

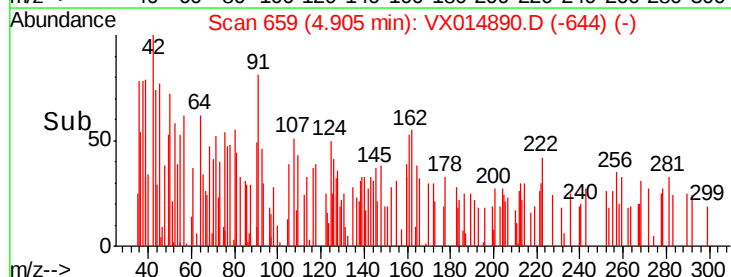
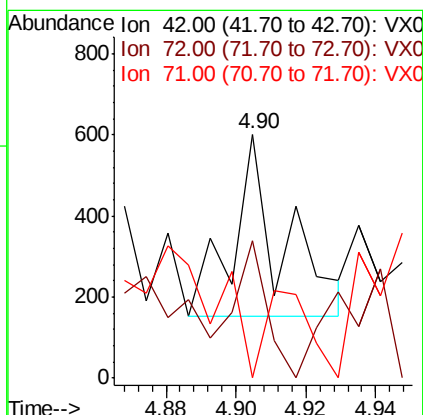
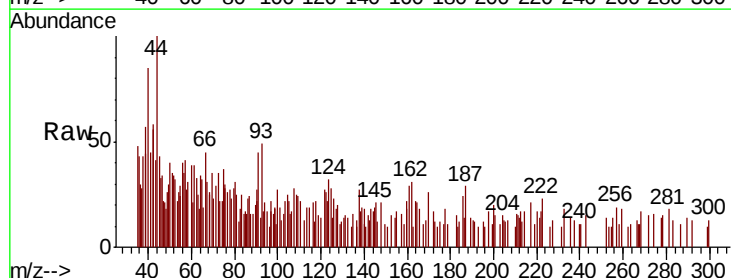
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STORAGE-BLANK-SAMPLE-MANA

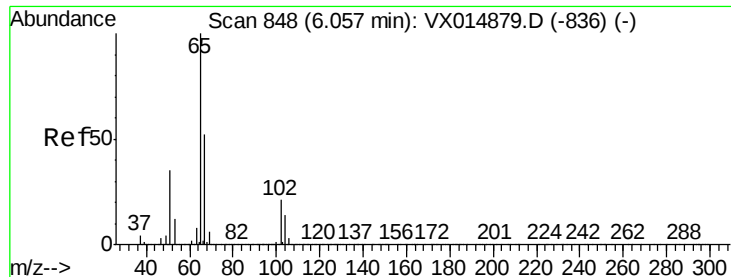
Tot Ion:	84	Resp:	1878
Ion	Ratio	Lower	Upper
84	100		
49	112.1	95.6	143.4
51	36.4	29.0	43.6
86	59.4	51.4	77.0



#29
Tetrahydrofuran
Concen: 0.233 ug/l
RT: 4.90 min Scan# 659
Delta R.T. -0.21 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

Tgt Ion:	42	Resp:	448
Ion	Ratio	Lower	Upper
42	100		
72	48.4	36.9	55.3
71	41.3	34.1	51.1





#33

1,2-Dichloroethane-d4

Concen: 50.493 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

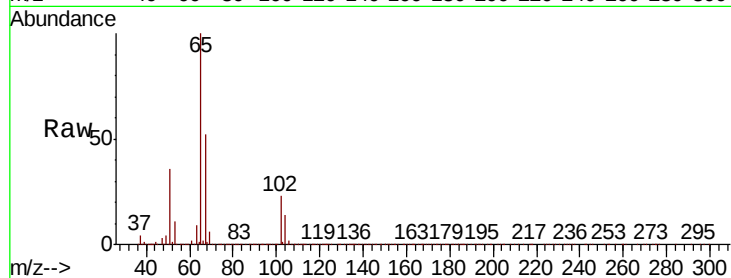
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 251064

Ion Ratio Lower Upper

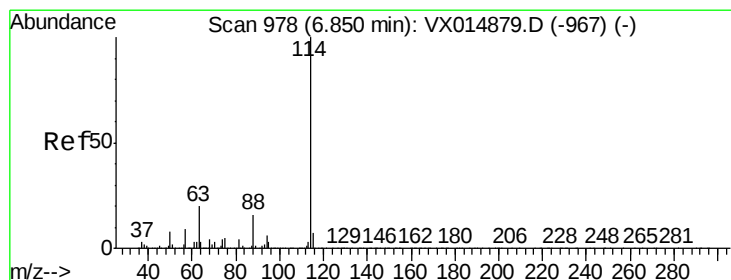
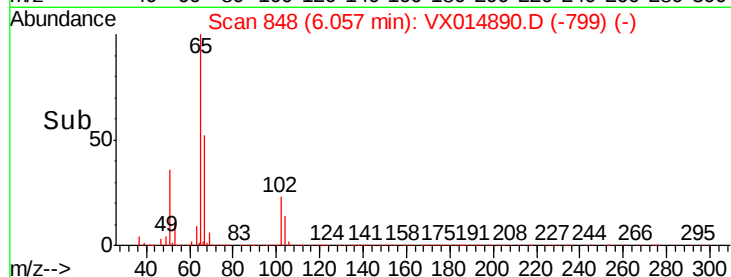
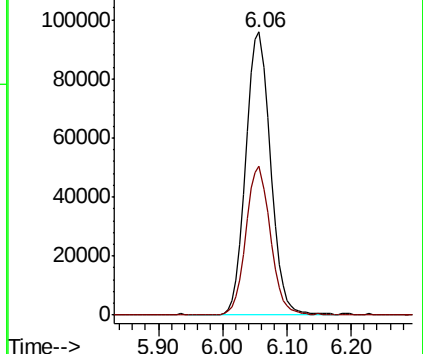
65 100

67 52.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

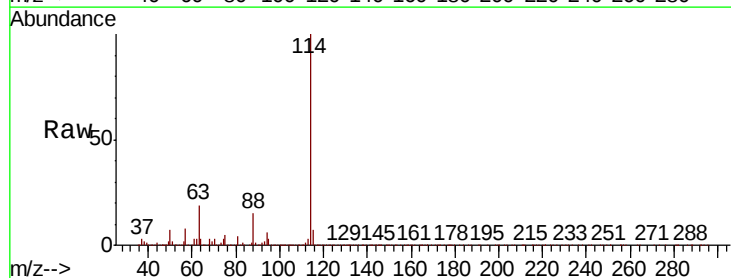
Tgt Ion: 114 Resp: 677815

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

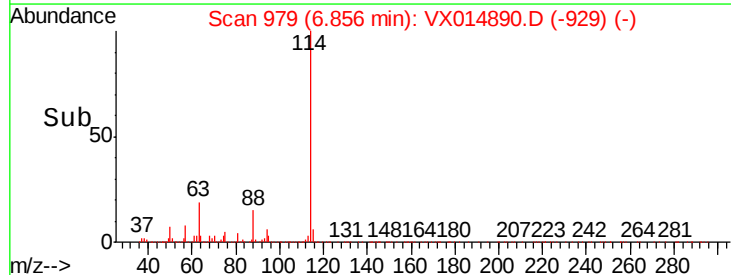
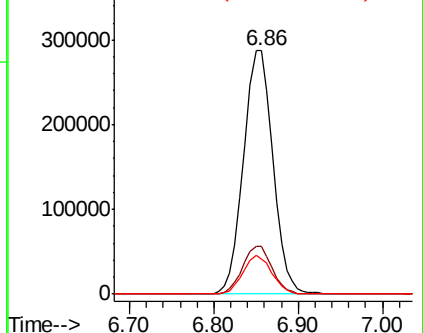
88 14.5 0.0 32.0

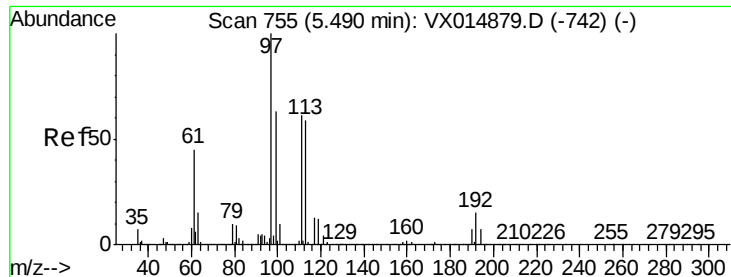


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

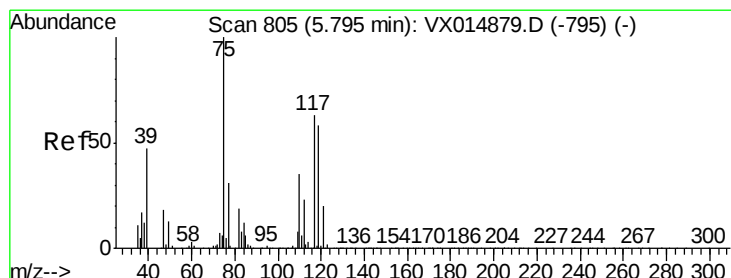
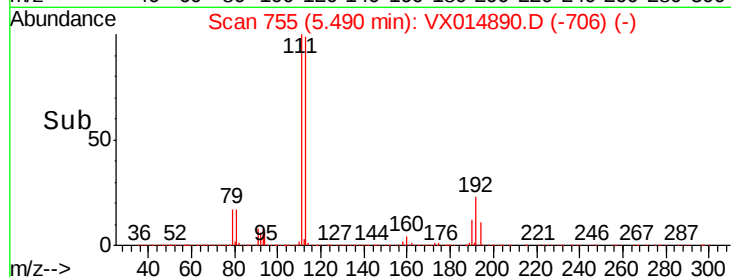
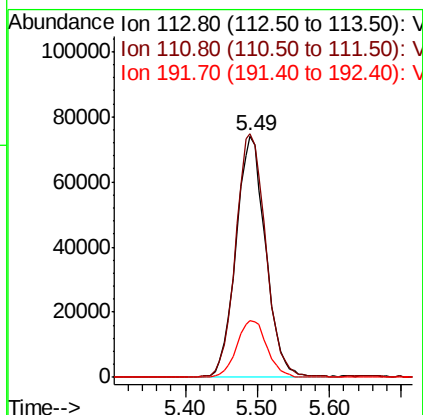
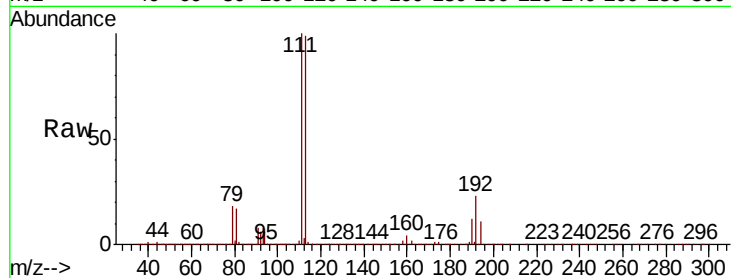




#35
Dibromofluoromethane
Concen: 50.478 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

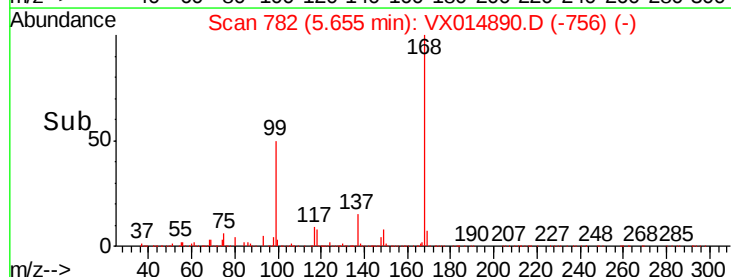
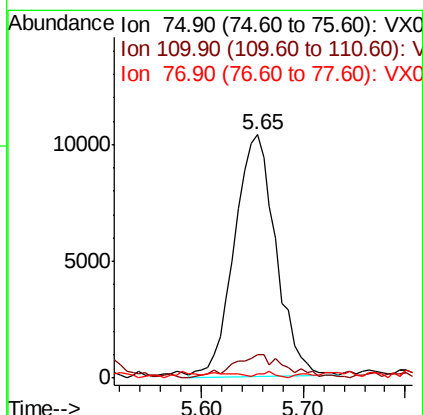
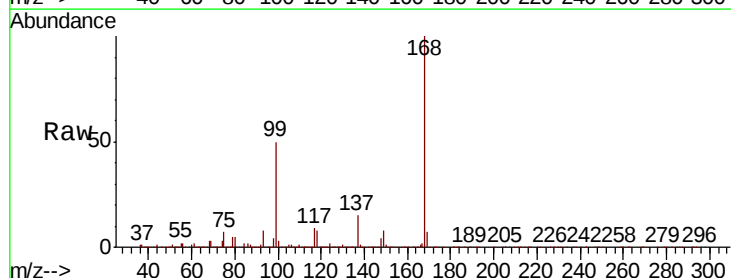
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

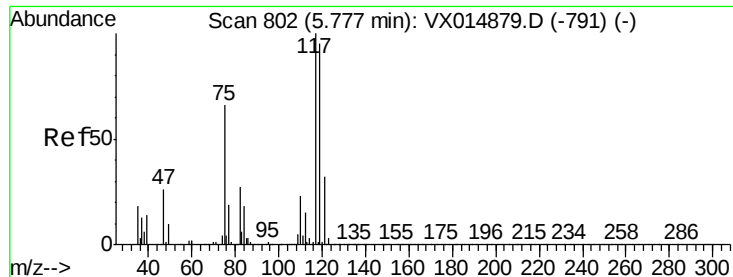
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	24.2	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.14 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.7	18.3	54.8#
77	1.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.424 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

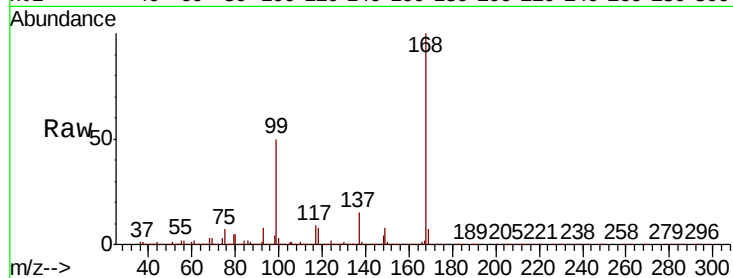
Tot Ion:117 Resp: 37958

Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

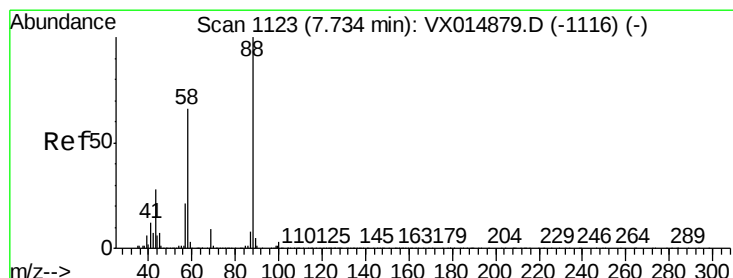
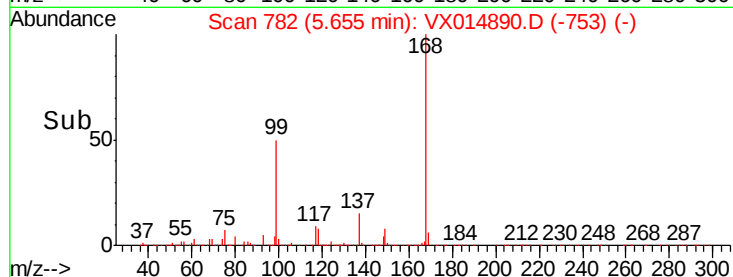
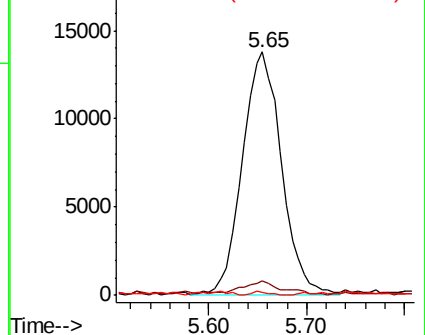
121 0.4 25.4 38.2#



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: 2.625 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

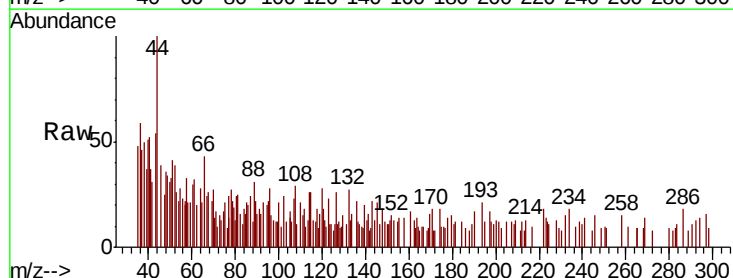
Tgt Ion: 88 Resp: 252

Ion Ratio Lower Upper

88 100

43 112.3 27.0 40.4#

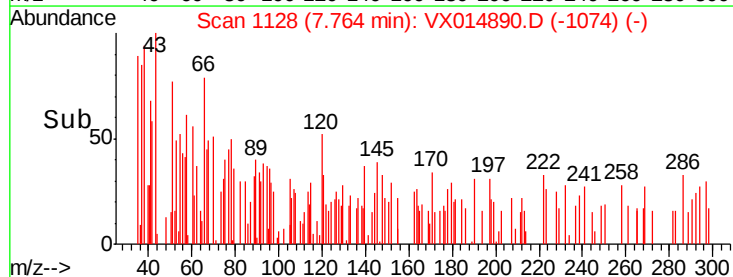
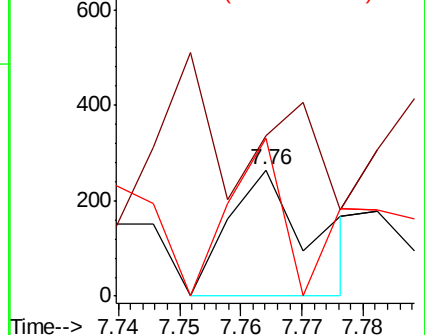
58 76.6 53.2 79.8

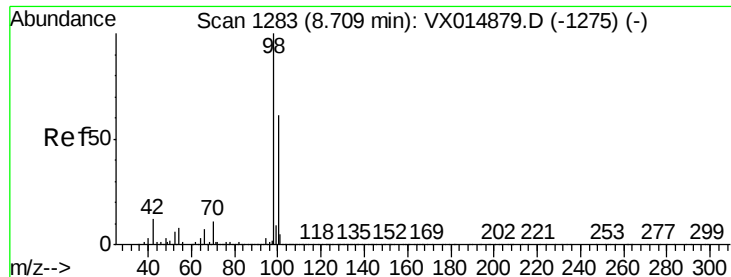


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

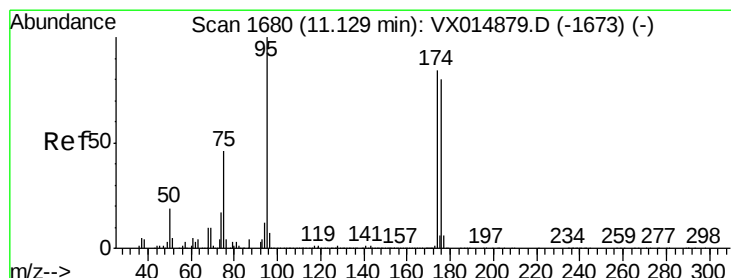
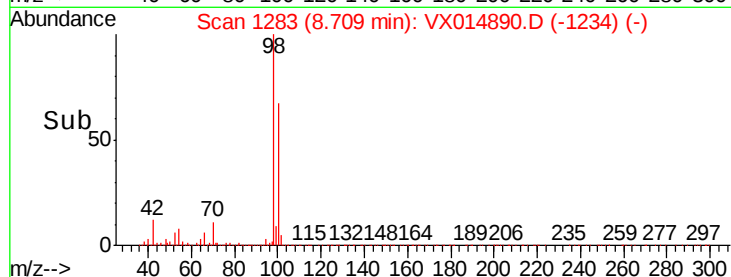
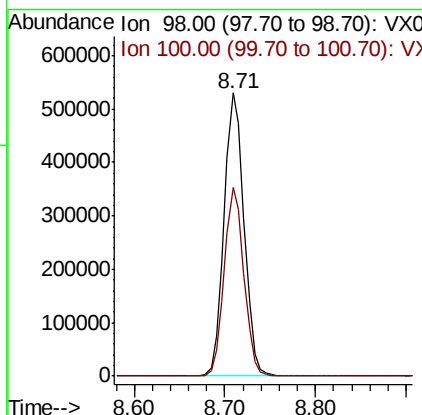
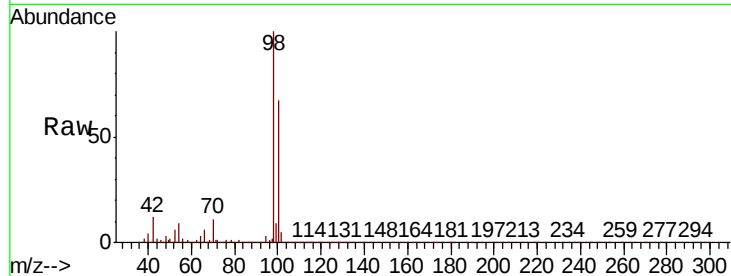




#50
Toluene-d8
Concen: 50.972 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

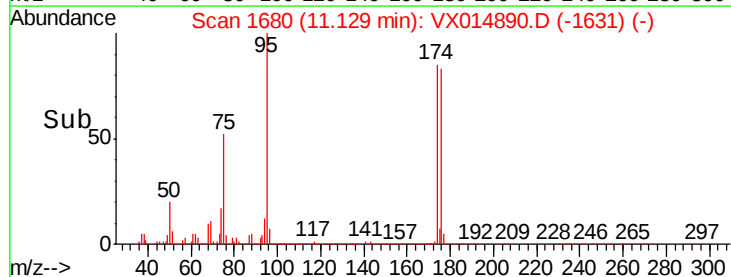
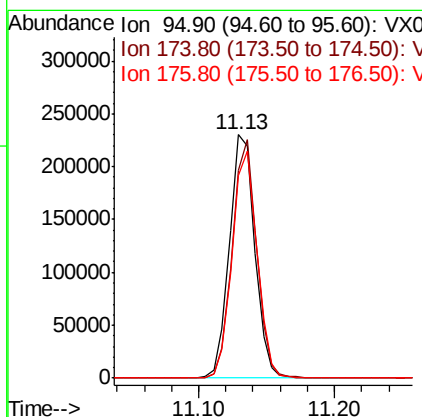
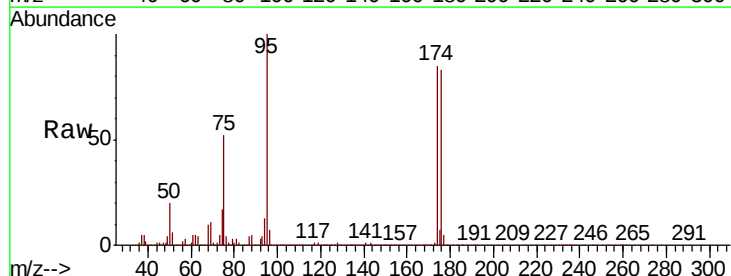
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

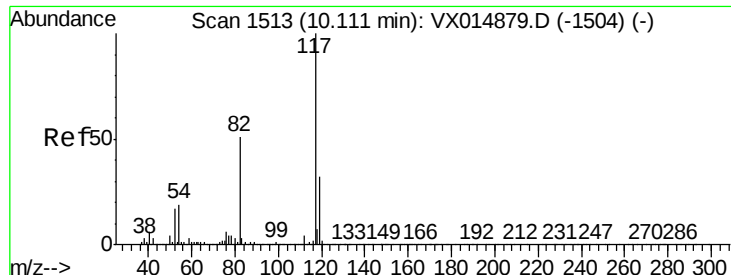
Tot Ion: 98 Resp: 810759
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.215 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

Tgt Ion: 95 Resp: 299183
Ion Ratio Lower Upper
95 100
174 94.3 0.0 183.0
176 92.1 0.0 178.0

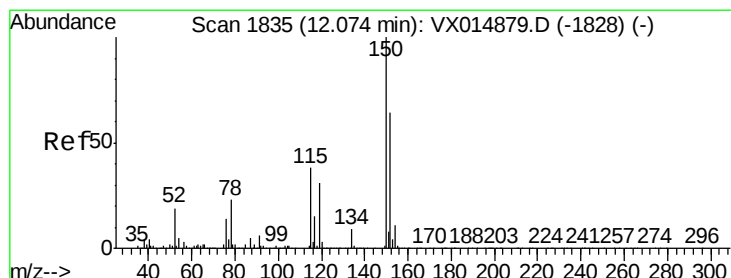
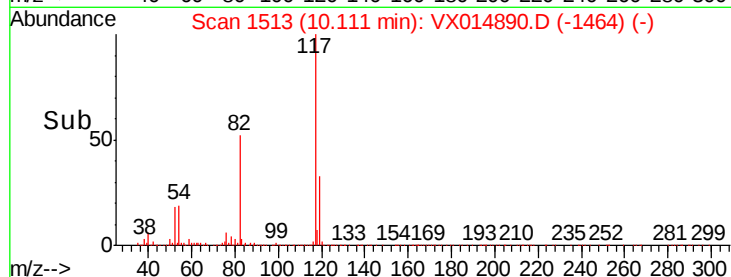
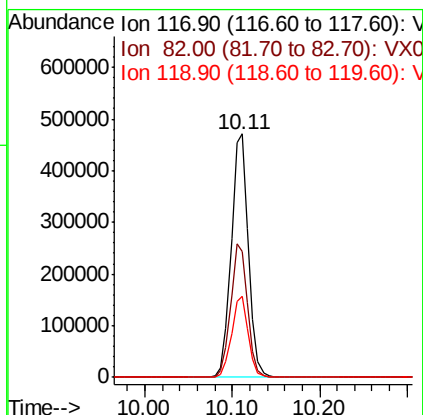
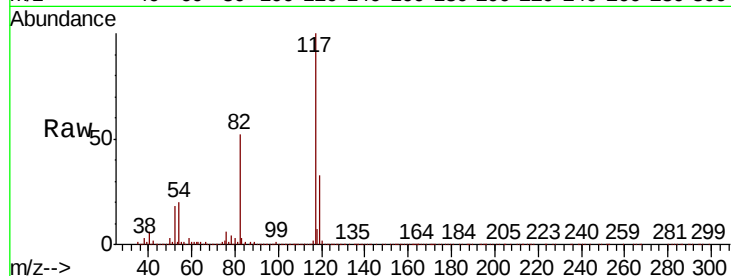




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

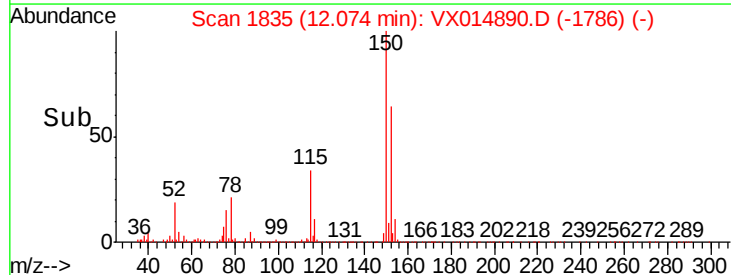
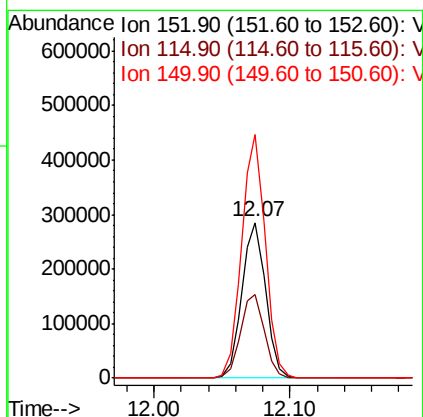
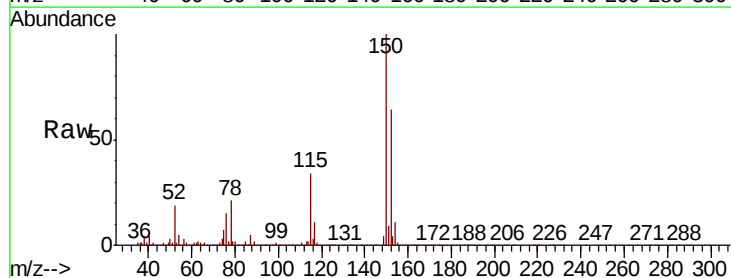
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

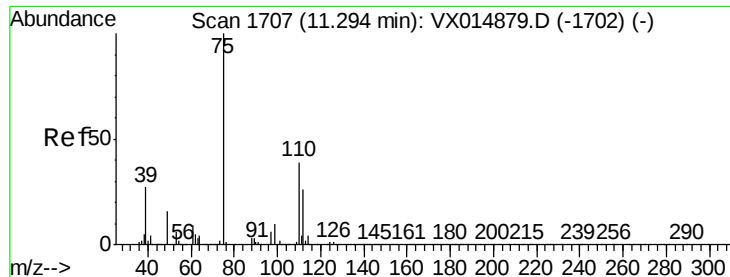
Tot Ion:117 Resp: 644785
Ion Ratio Lower Upper
117 100
82 51.7 40.5 60.7
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014890.D
Acq: 10 Feb 2020 16:08

Tgt Ion:152 Resp: 346199
Ion Ratio Lower Upper
152 100
115 54.5 38.6 116.0
150 156.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.348 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

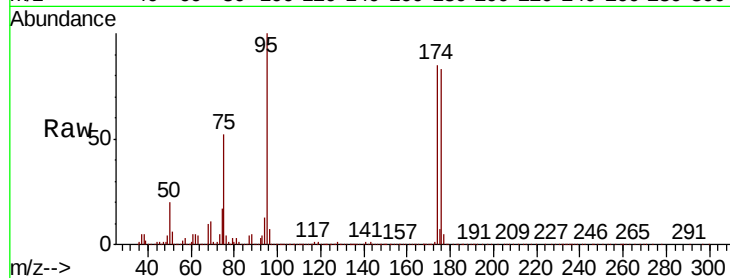
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 152427

Ion Ratio Lower Upper

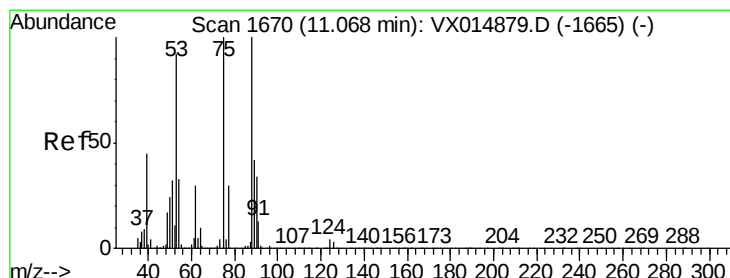
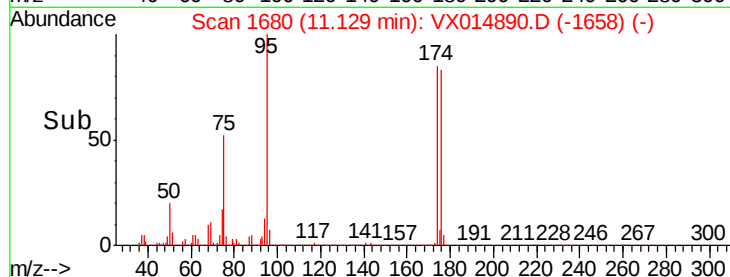
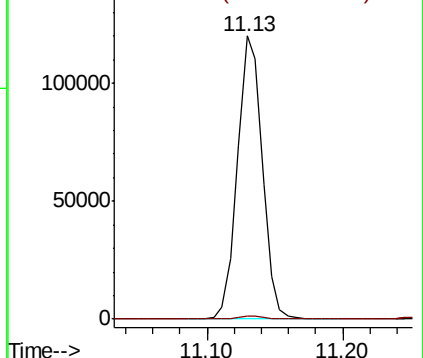
75 100

77 1.3 18.4 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.323 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

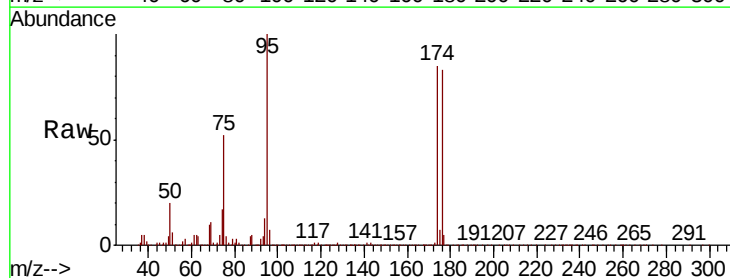
Tgt Ion: 75 Resp: 152427

Ion Ratio Lower Upper

75 100

53 0.4 76.2 114.2#

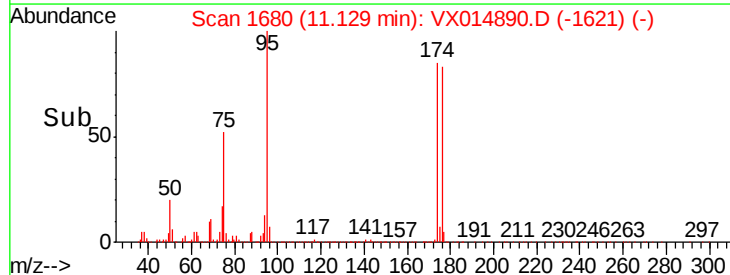
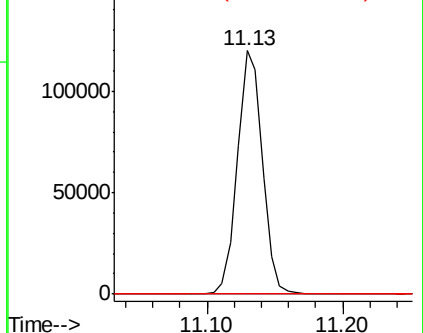
89 0.0 35.8 53.6#

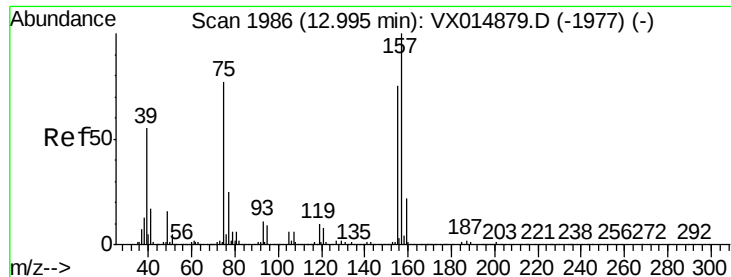


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.201 ug/l

RT: 12.79 min Scan# 1953

Delta R.T. -0.20 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

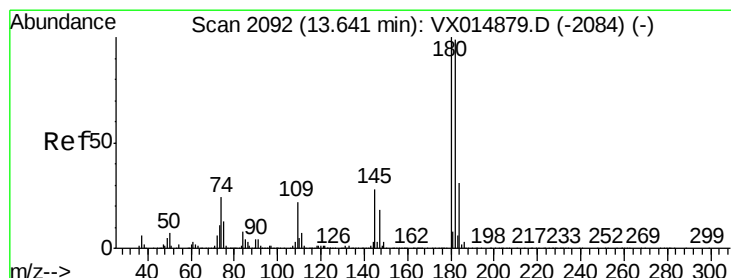
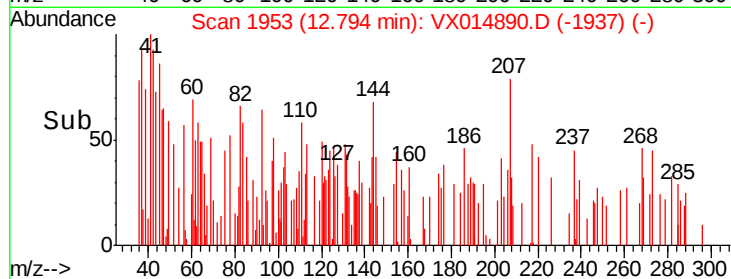
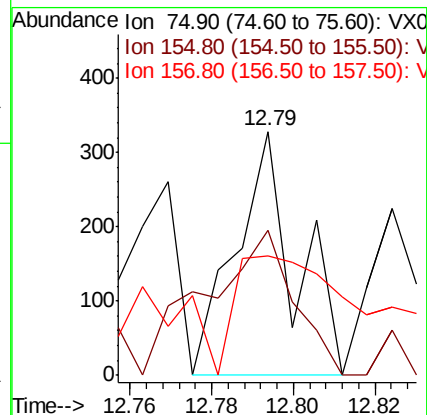
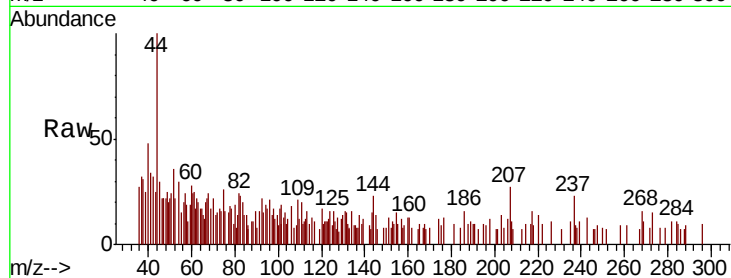
Tot Ion: 75 Resp: 334

Ion Ratio Lower Upper

75 100

155 95.8 48.6 145.9

157 122.8 62.0 186.0



#93

1,2,4-Trichlorobenzene

Concen: 0.244 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014890.D

Acq: 10 Feb 2020 16:08

Tgt Ion:180 Resp: 1923

Ion Ratio Lower Upper

180 100

182 77.5 48.4 145.3

145 57.3 14.1 42.4#

