

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
 Data File : VX014170.D
 Acq On : 20 Dec 2019 13:43
 Operator : JC/SP
 Sample : K6391-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 20 22:26:44 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	568179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	864535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	348471	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	309748	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	5.48	113	256993	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	8.71	98	1011224	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.13	95	342186	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

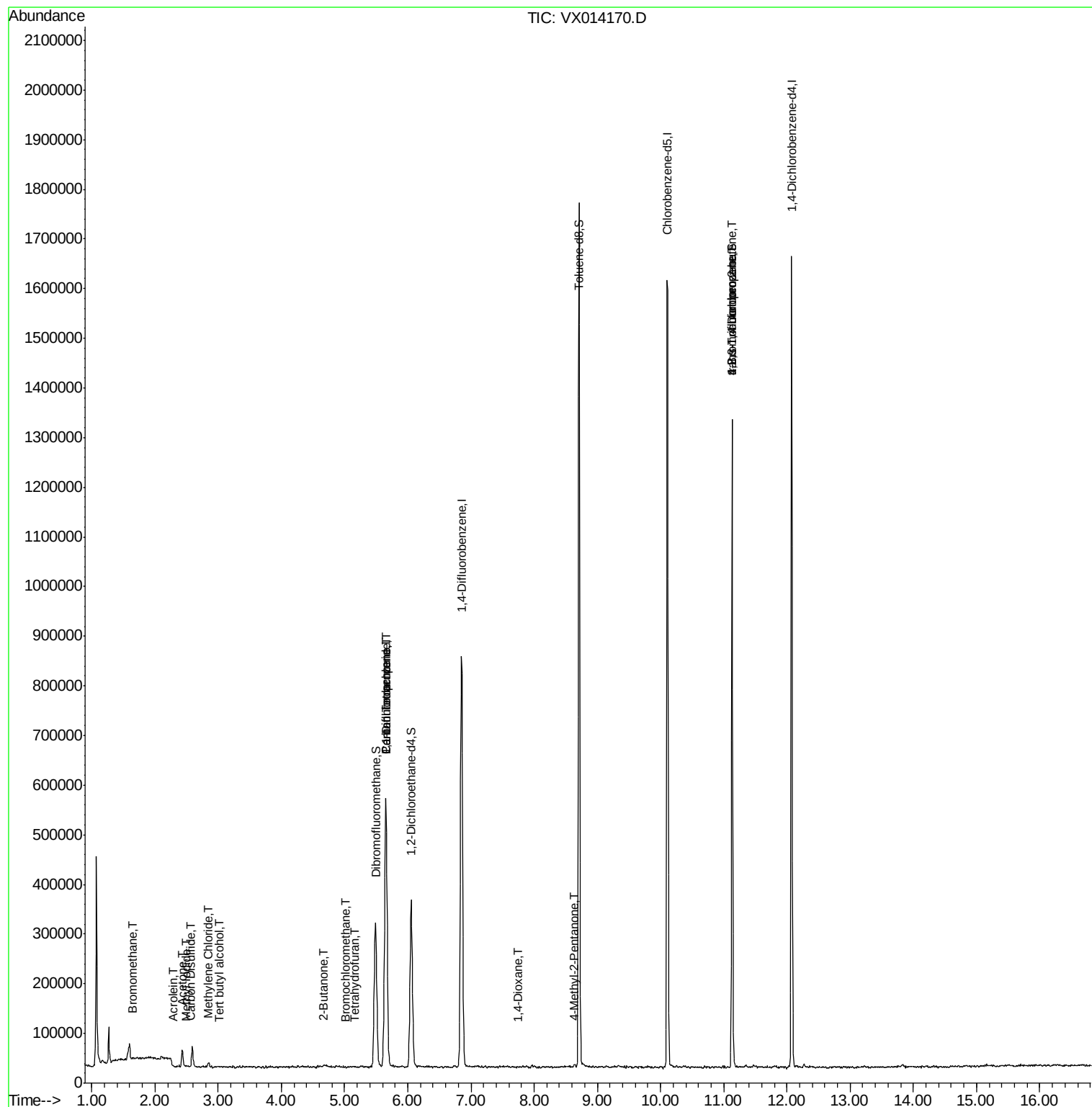
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2570	0.503	ug/l #	43
10) Methyl Iodide	2.50	142	1338	2.800	ug/l #	71
11) Tert butyl alcohol	3.02	59	1147	0.824	ug/l #	45
13) Acrolein	2.30	56	239	0.300	ug/l #	1
16) Acetone	2.43	43	39193	9.375	ug/l	99
17) Carbon Disulfide	2.56	76	1892	0.873	ug/l #	83
20) Methylene Chloride	2.85	84	4069	0.618	ug/l	94
25) 2-Butanone	4.67	43	8062	1.564	ug/l #	76
28) Bromochloromethane	5.01	49	483	0.569	ug/l #	11
29) Tetrahydrofuran	5.16	42	2193	0.761	ug/l #	61
36) 1,1-Dichloropropene	5.65	75	37414	4.716	ug/l #	50
38) Carbon Tetrachloride	5.65	117	50172	6.943	ug/l #	17
49) 1,4-Dioxane	7.74	88	120	0.831	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	4156	0.456	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	166733	22.039	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	166733	62.207	ug/l #	11

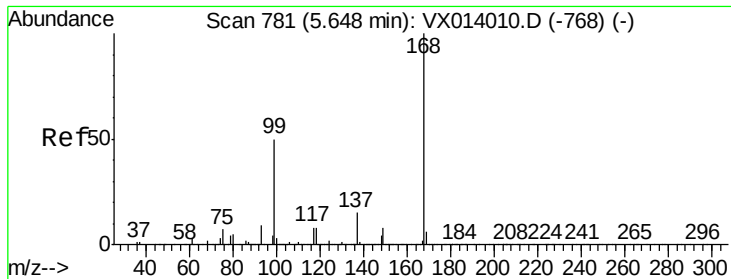
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014170.D

Acq: 20 Dec 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

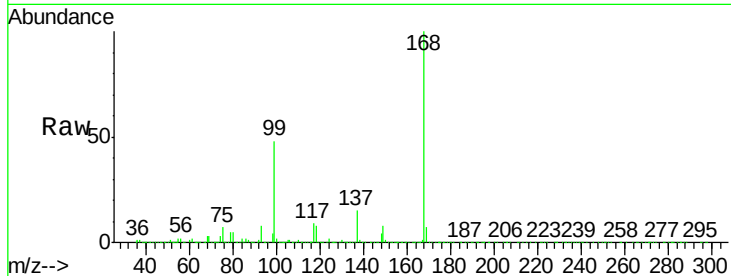
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 168 Resp: 568179

Ion Ratio Lower Upper

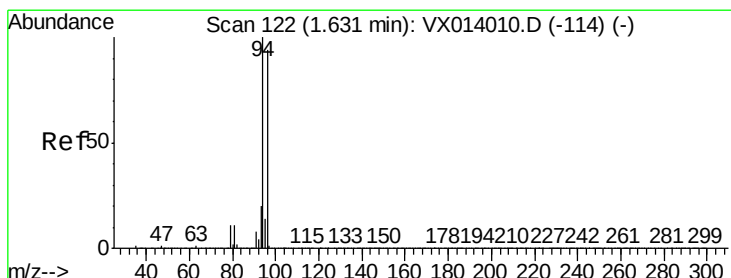
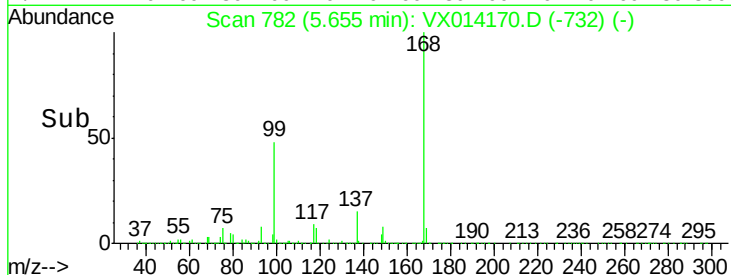
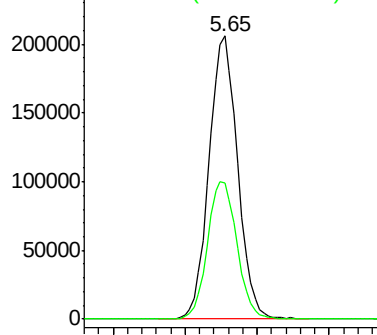
168 100

99 48.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.503 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014170.D

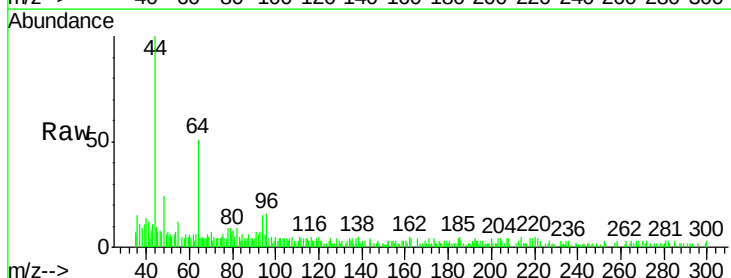
Acq: 20 Dec 2019 13:43

Tgt Ion: 94 Resp: 2570

Ion Ratio Lower Upper

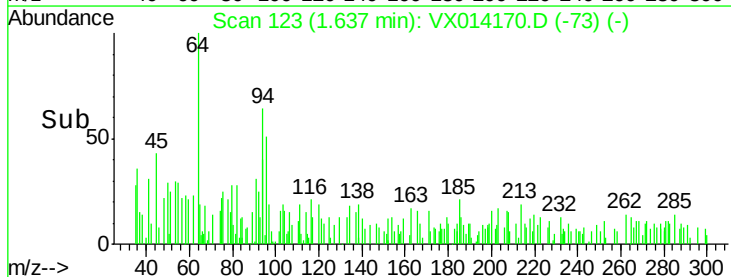
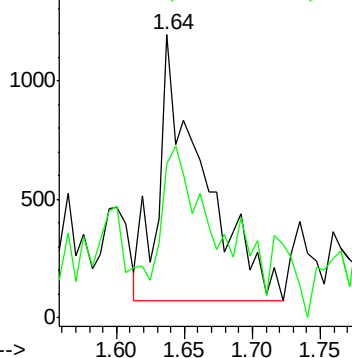
94 100

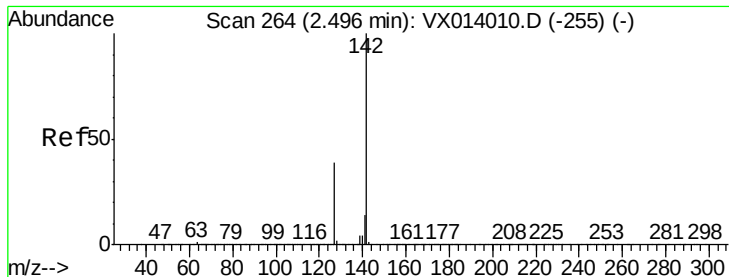
96 39.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

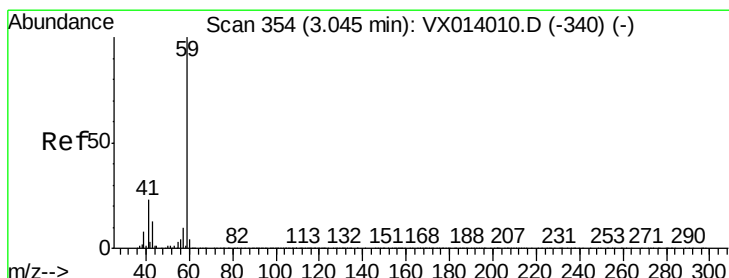
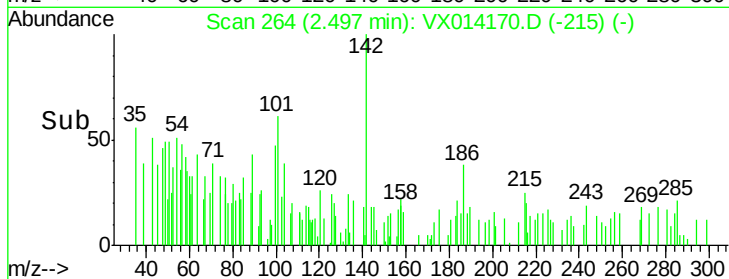
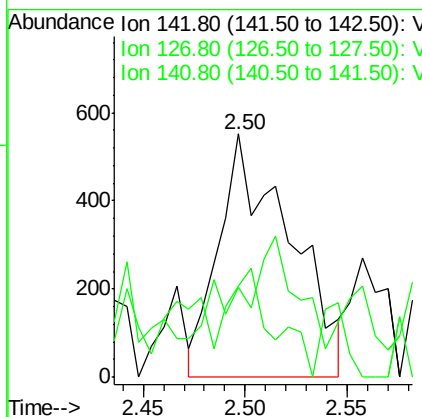
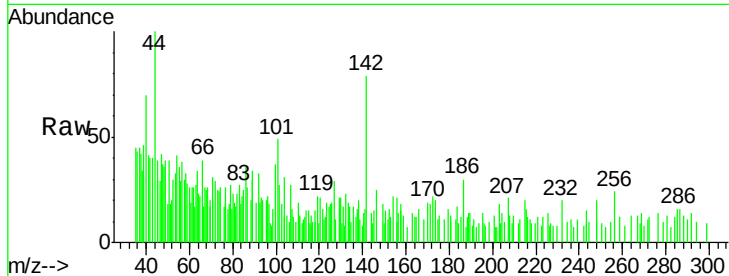




#10
Methyl Iodide
Concen: 2.800 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

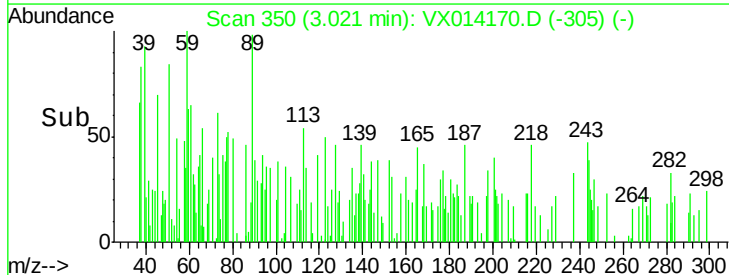
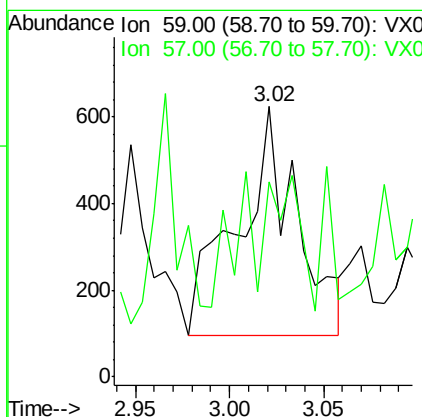
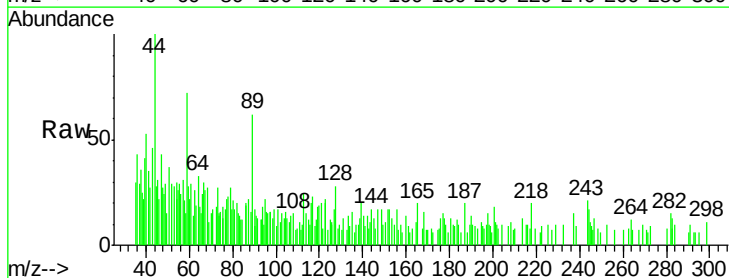
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

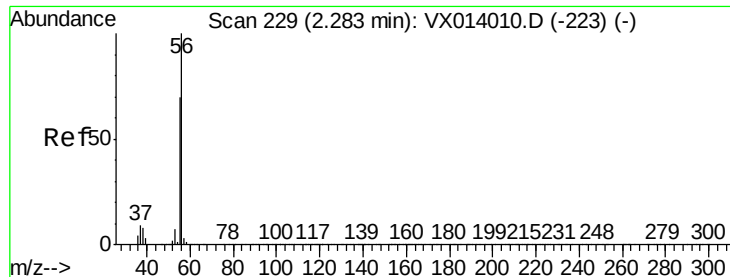
Tgt Ion: 142 Resp: 1338
Ion Ratio Lower Upper
142 100
127 22.5 31.6 47.4#
141 28.1 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.824 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

Tgt Ion: 59 Resp: 1147
Ion Ratio Lower Upper
59 100
57 31.3 8.4 12.6#

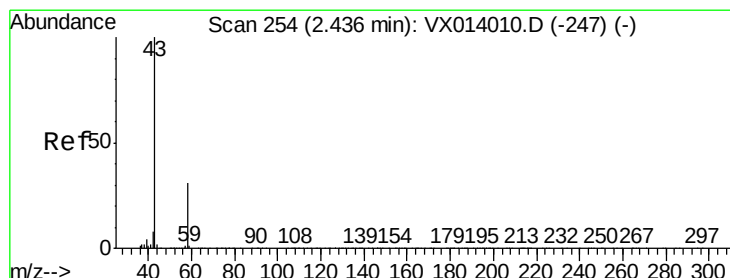
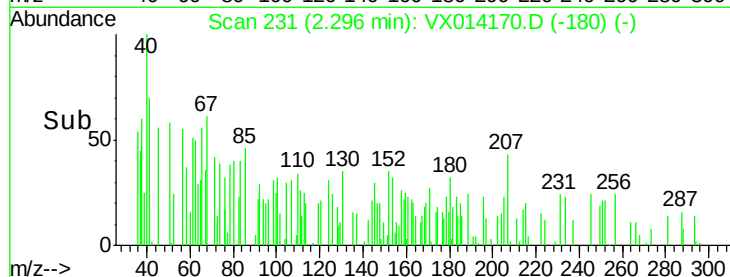
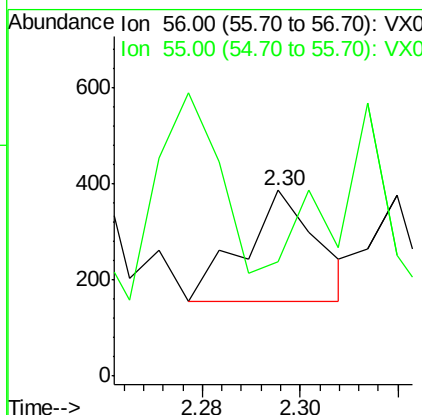
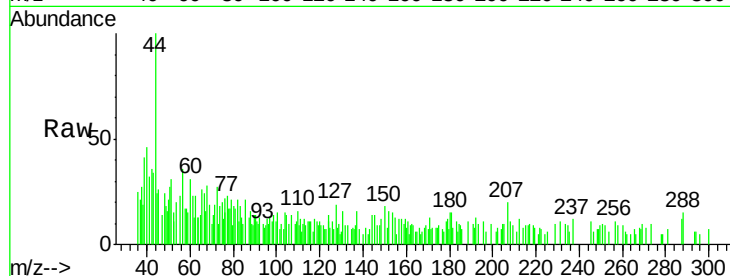




#13
Acrolein
Concen: 0.300 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

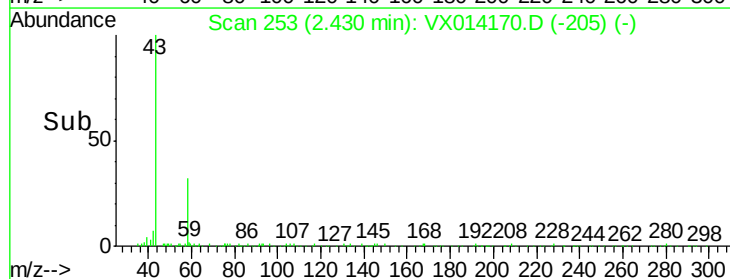
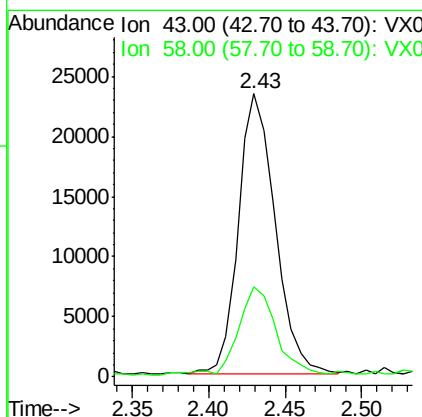
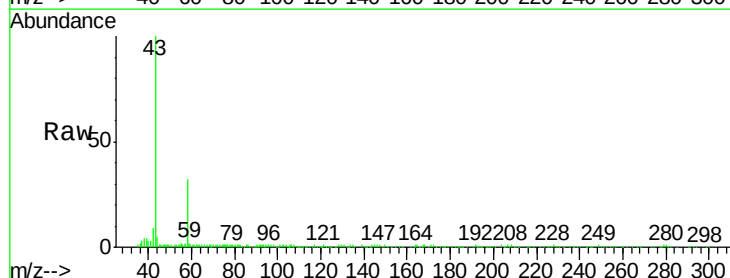
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

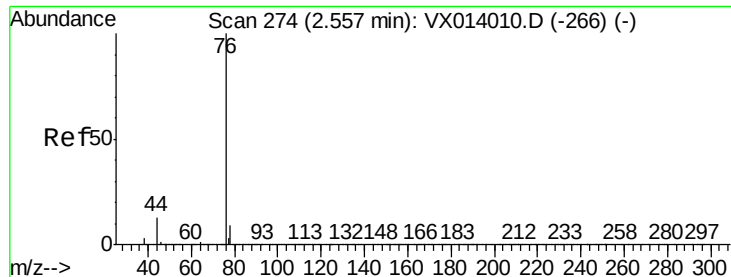
Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 177.0 56.9 85.3#



#16
Acetone
Concen: 9.375 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

Tgt Ion: 43 Resp: 39193
Ion Ratio Lower Upper
43 100
58 30.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.873 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

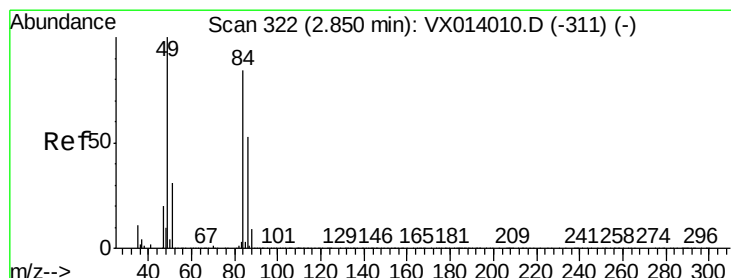
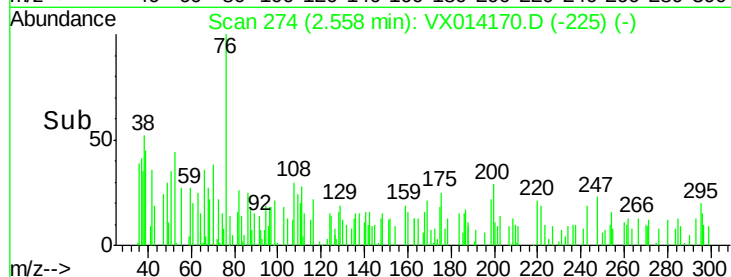
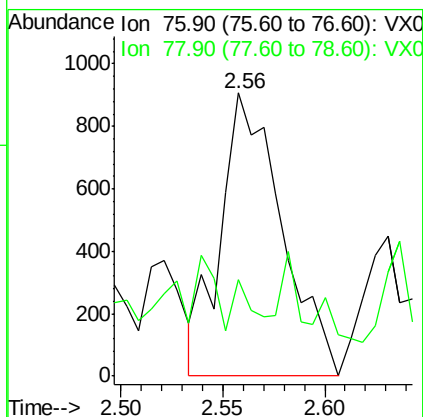
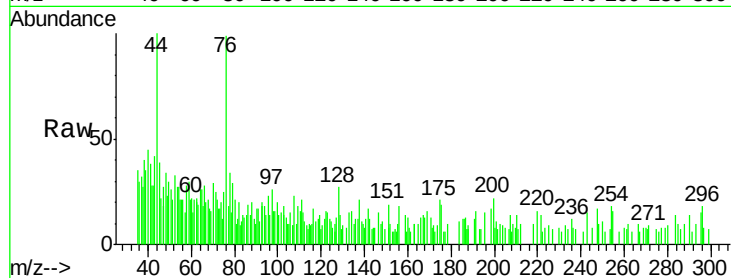
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 76 Resp: 1892

Ion Ratio Lower Upper

76 100

78 15.3 7.2 10.8#



#20

Methylene Chloride

Concen: 0.618 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

Tgt Ion: 84 Resp: 4069

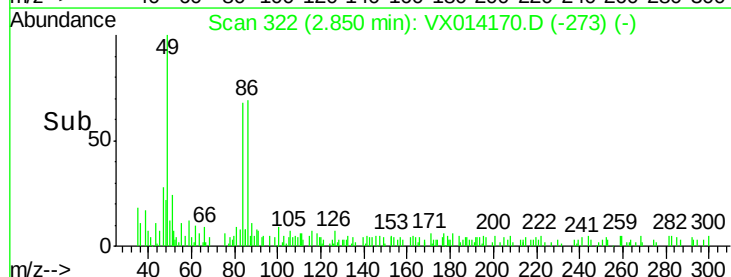
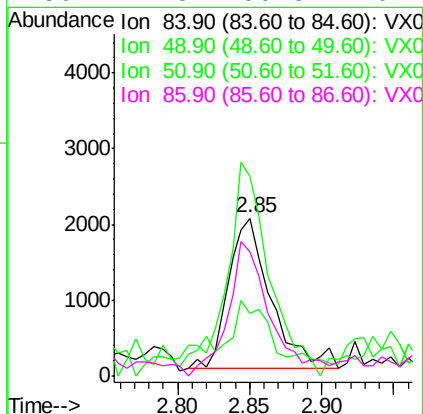
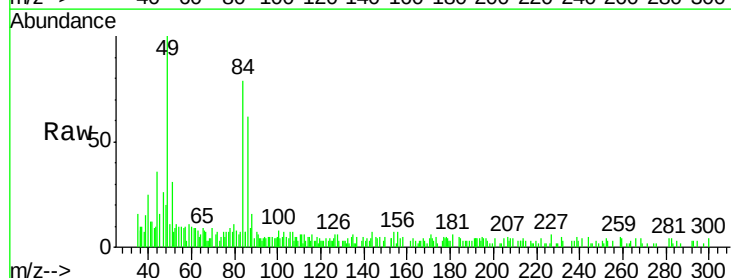
Ion Ratio Lower Upper

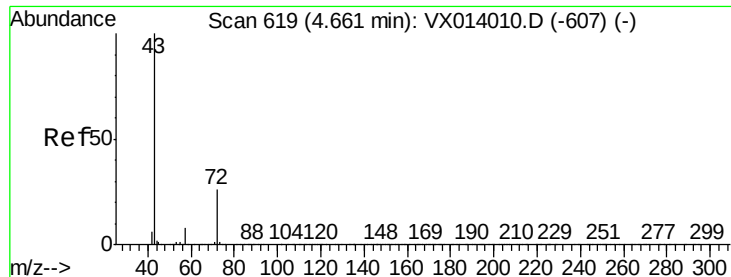
84 100

49 121.9 95.8 143.6

51 33.8 29.8 44.8

86 74.8 50.8 76.2





#25

2-Butanone

Concen: 1.564 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

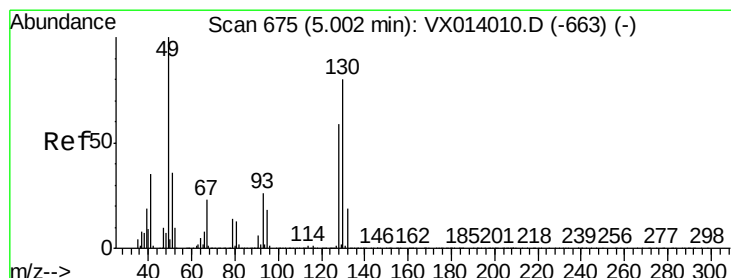
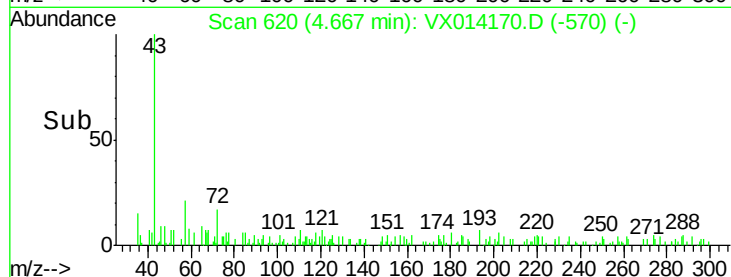
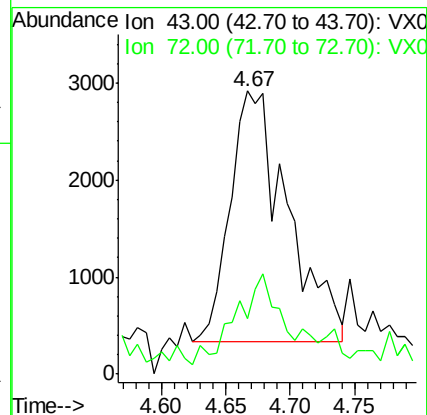
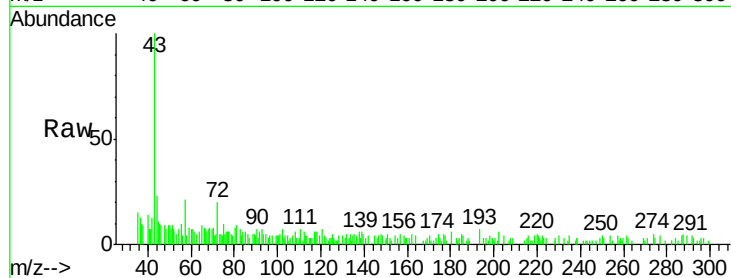
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 43 Resp: 8062

Ion Ratio Lower Upper

43 100

72 13.8 21.0 31.4#



#28

Bromochloromethane

Concen: 0.569 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

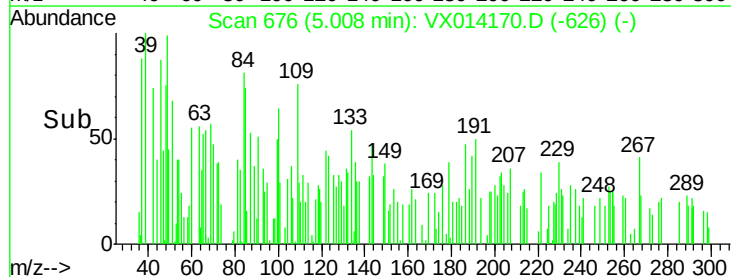
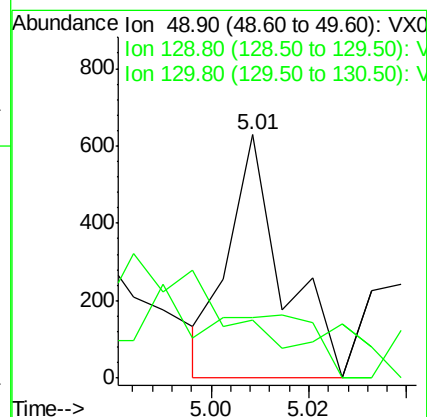
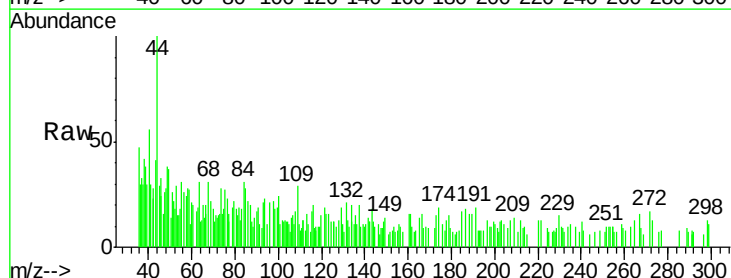
Tgt Ion: 49 Resp: 483

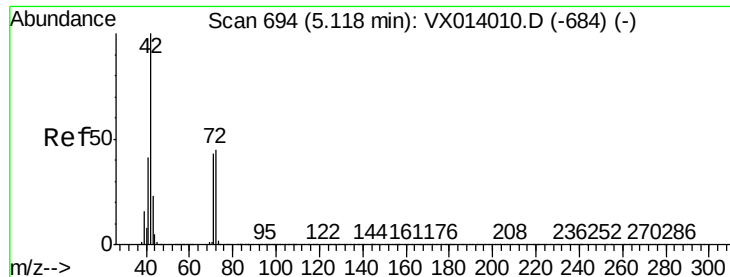
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 0.0 64.6 97.0#





#29

Tetrahydrofuran

Concen: 0.761 ug/l

RT: 5.16 min Scan# 701

Delta R.T. 0.04 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

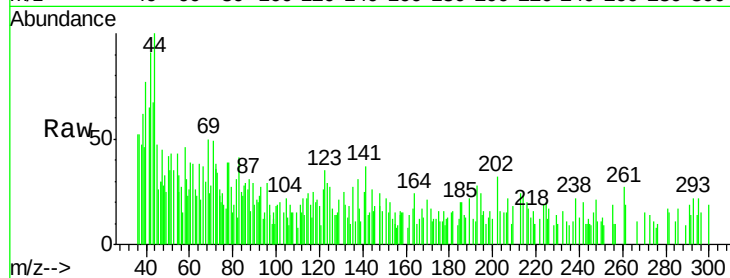
Tgt Ion: 42 Resp: 2193

Ion Ratio Lower Upper

42 100

72 21.1 35.8 53.8#

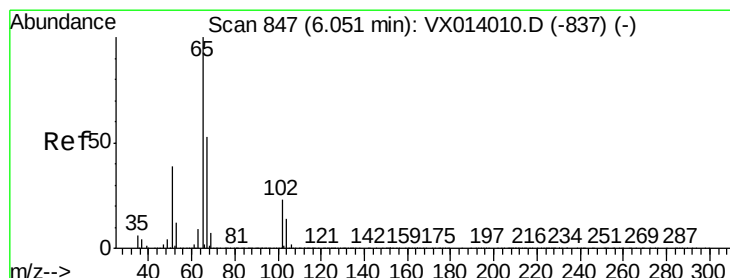
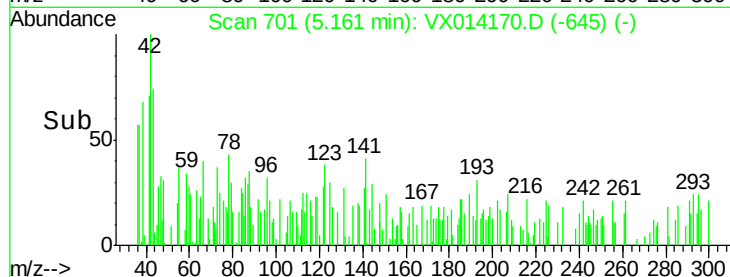
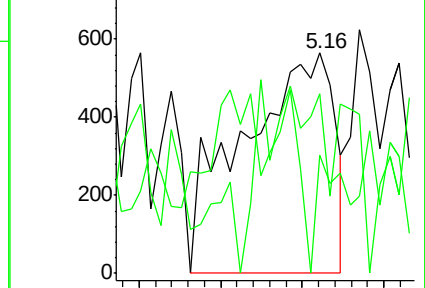
71 16.1 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.101 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014170.D

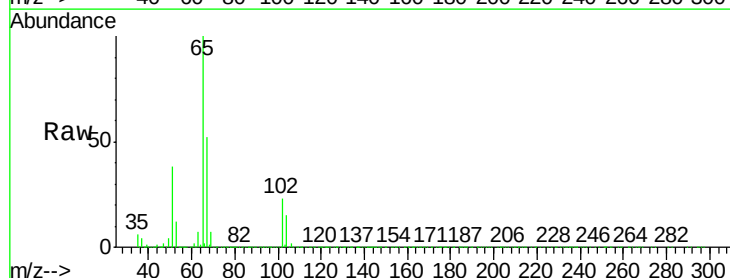
Acq: 20 Dec 2019 13:43

Tgt Ion: 65 Resp: 309748

Ion Ratio Lower Upper

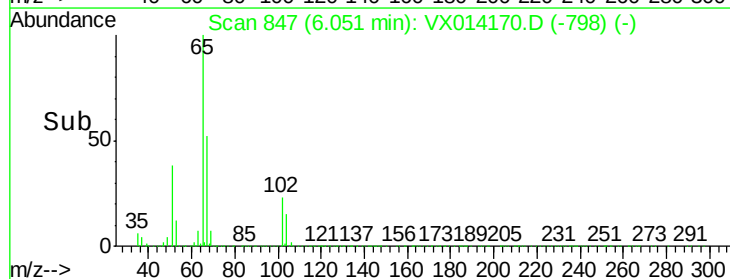
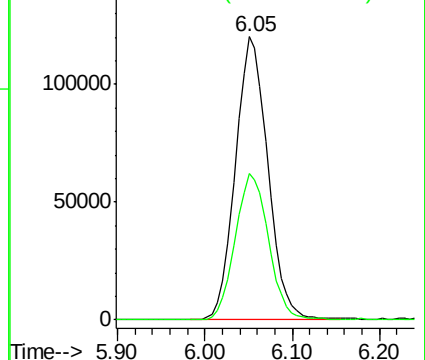
65 100

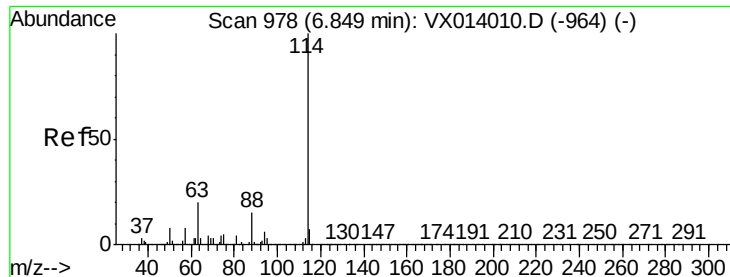
67 53.0 0.0 106.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

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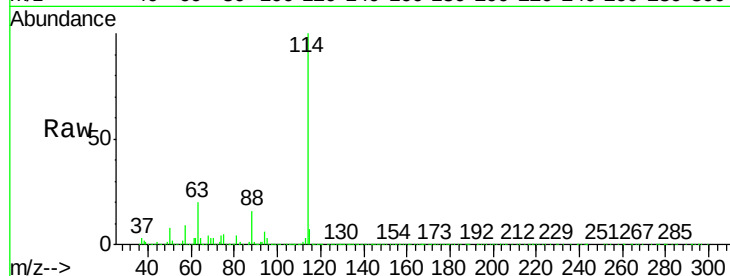
Tgt Ion:114 Resp: 864535

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

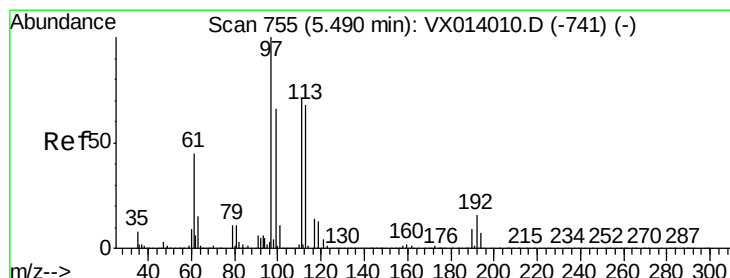
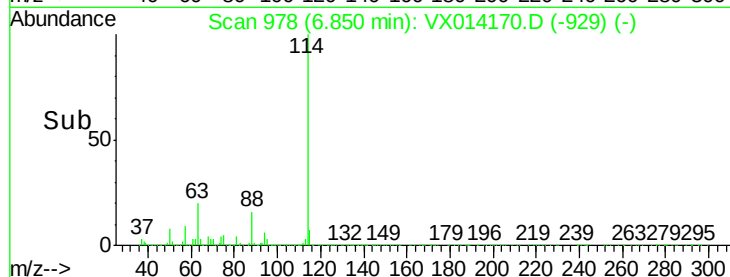
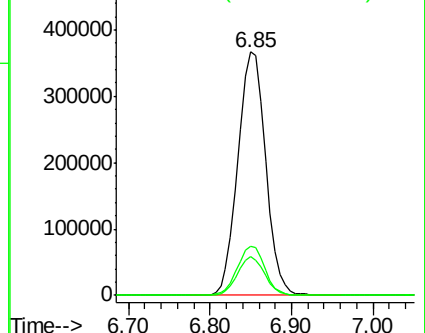
88 15.7 0.0 30.4



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: 48.901 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

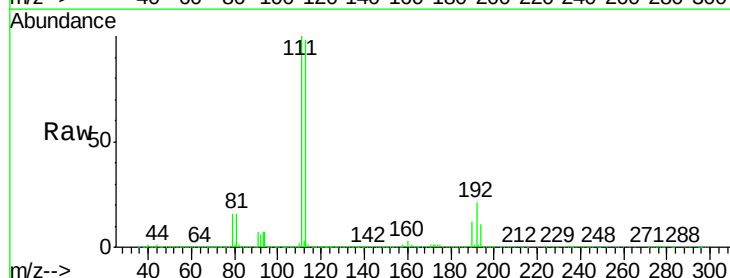
Tgt Ion:113 Resp: 256993

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

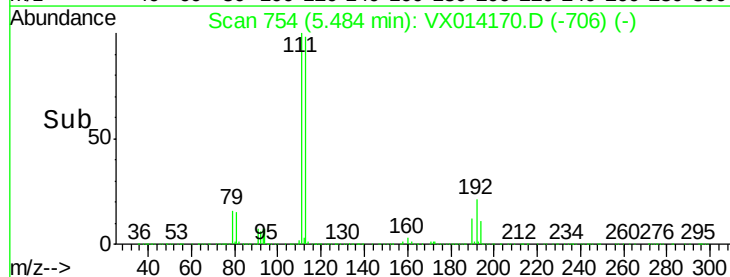
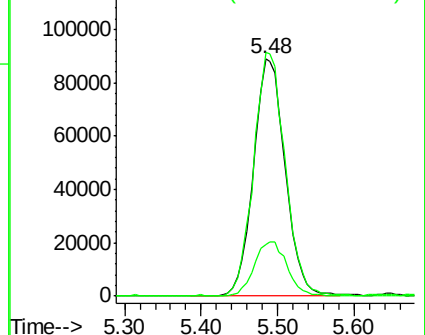
192 23.6 19.3 28.9

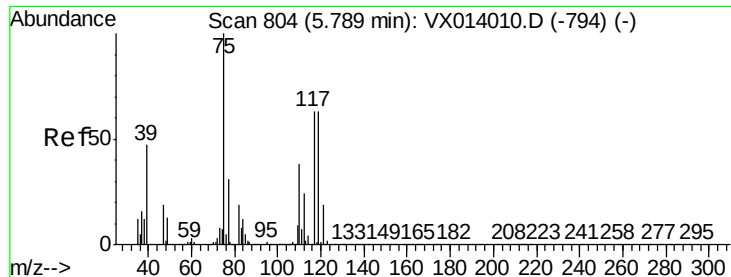


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

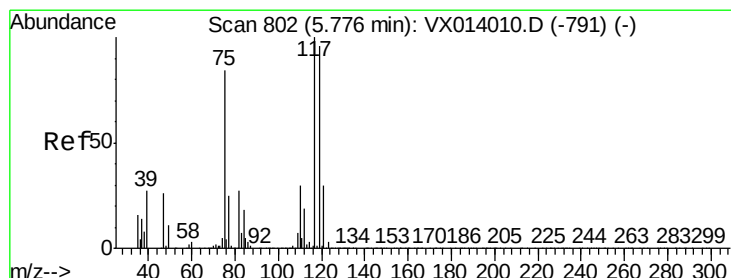
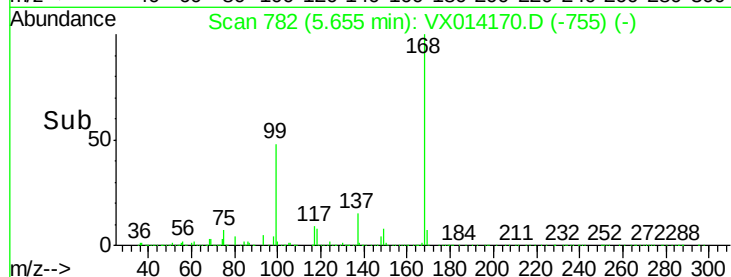
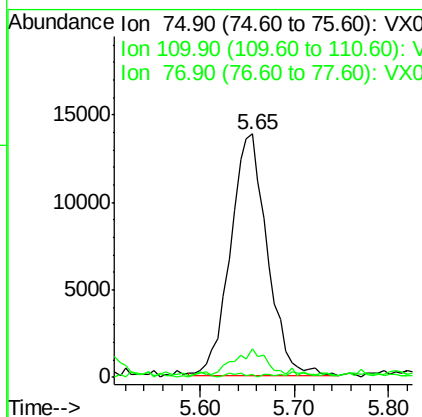
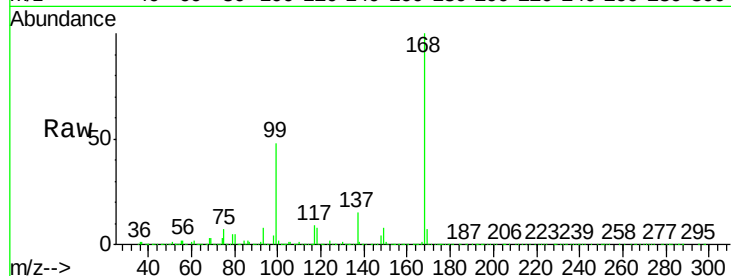




#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014170.D
 Acq: 20 Dec 2019 13:43

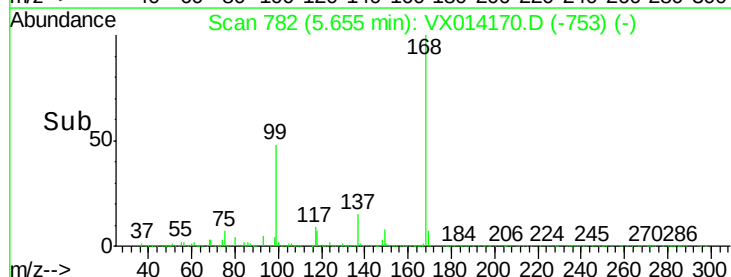
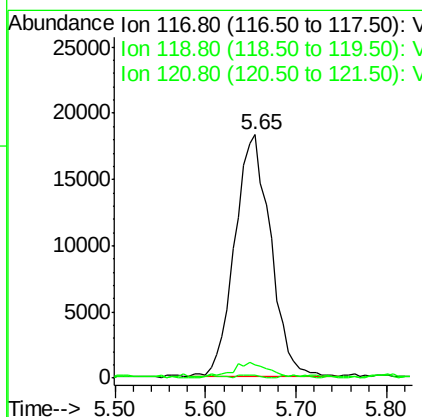
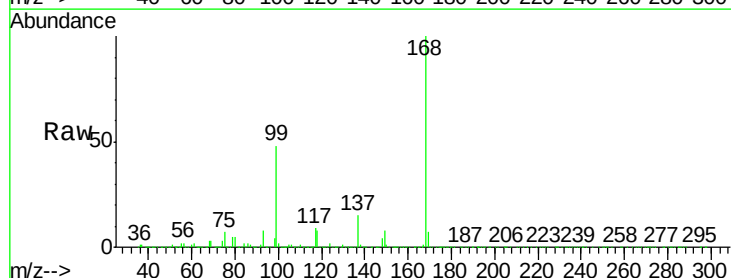
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

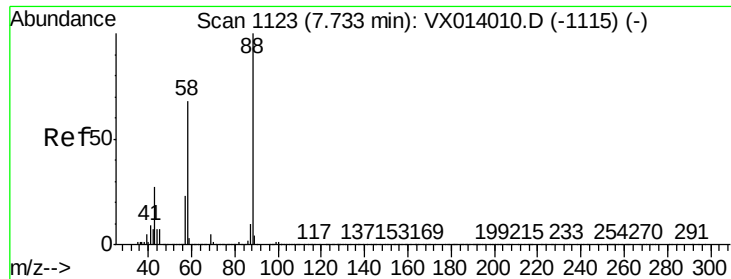
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.3	54.9#
77	0.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.943 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014170.D
 Acq: 20 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.2	114.4#
121	1.3	23.6	35.4#

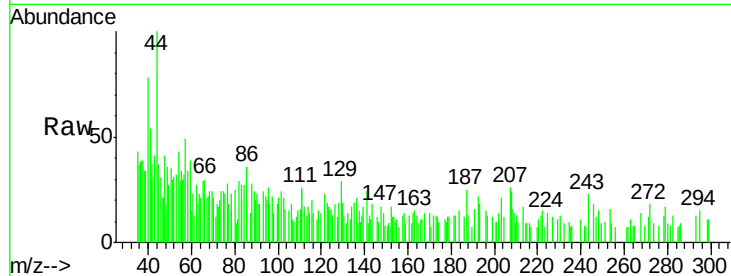




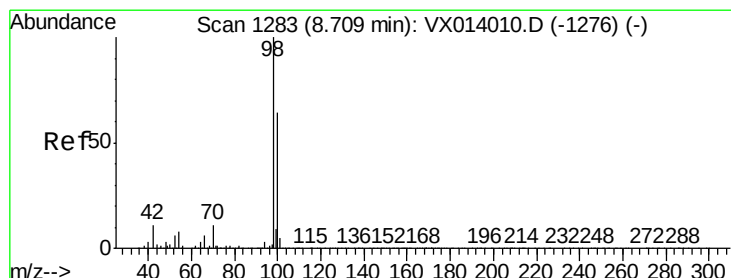
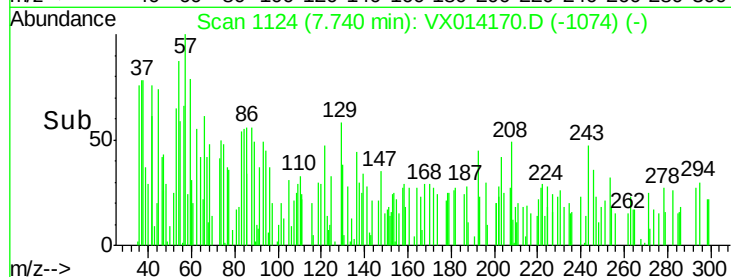
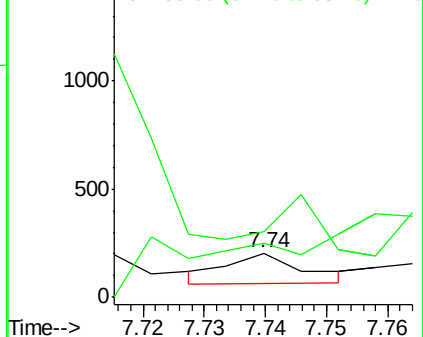
#49
1,4-Dioxane
Concen: 0.831 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

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

Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 193.3 26.5 39.7#
58 826.7 56.8 85.2#

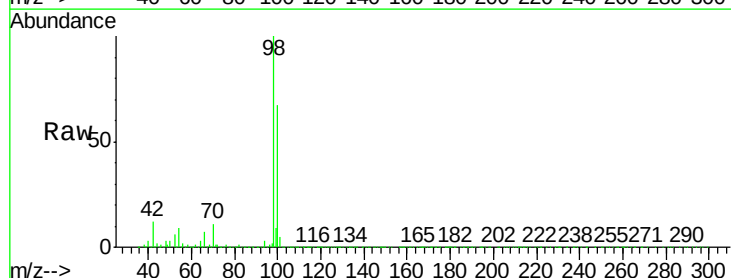


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

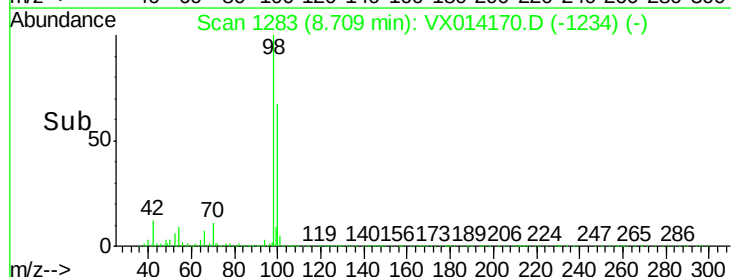
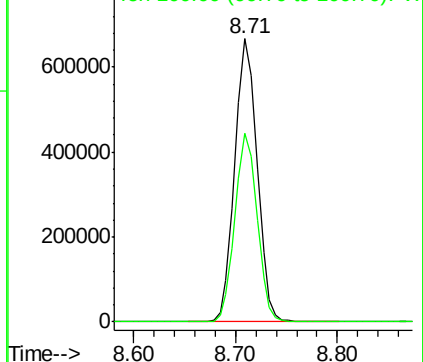


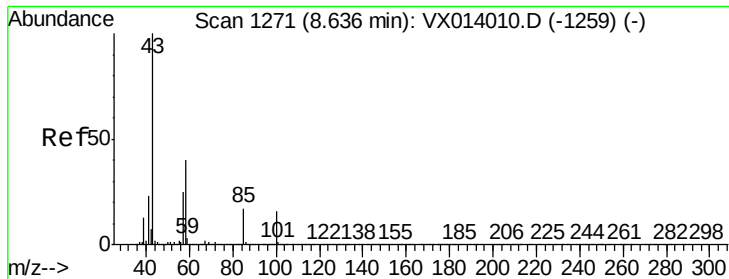
#50
Toluene-d8
Concen: 49.423 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

Tgt Ion: 98 Resp: 1011224
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

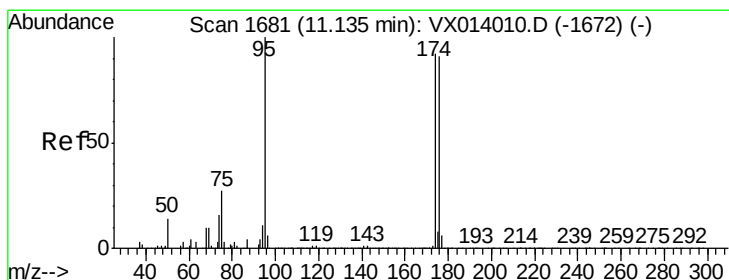
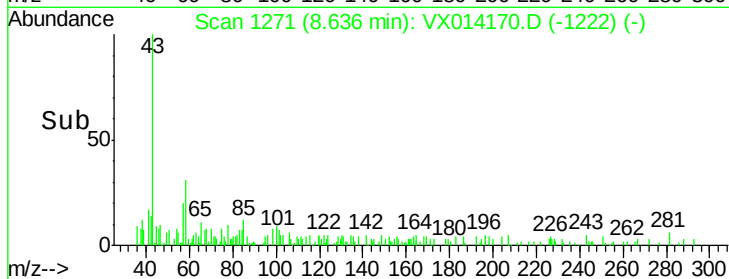
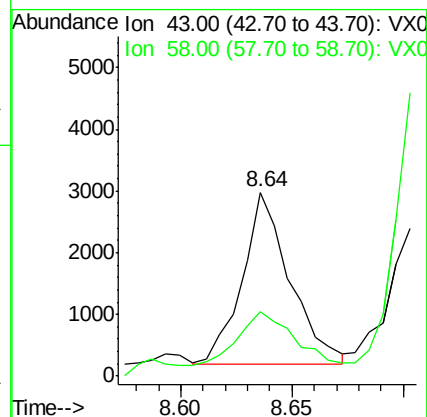
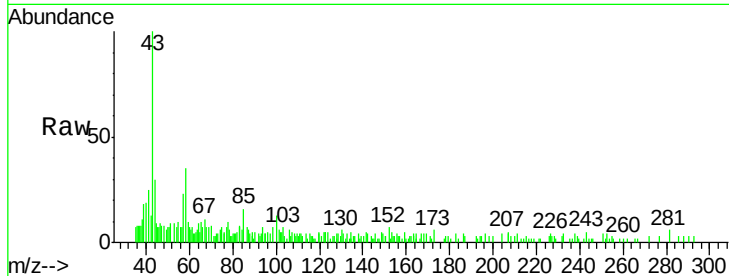




#51
 4-Methyl-2-Pentanone
 Concen: 0.456 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014170.D
 Acq: 20 Dec 2019 13:43

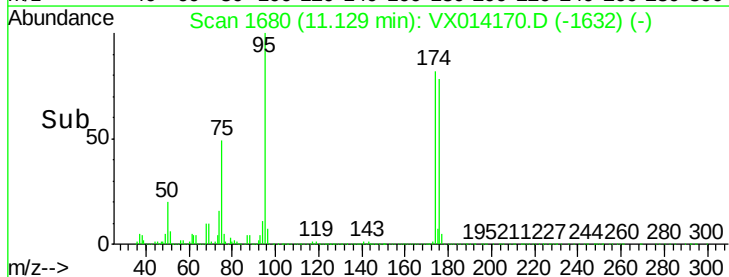
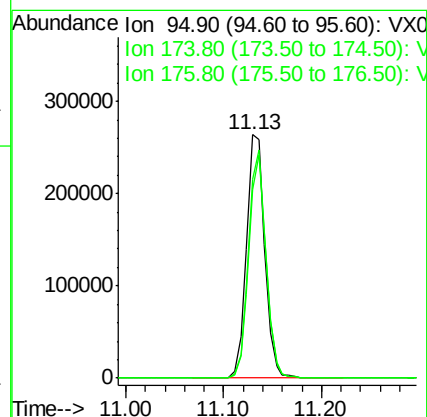
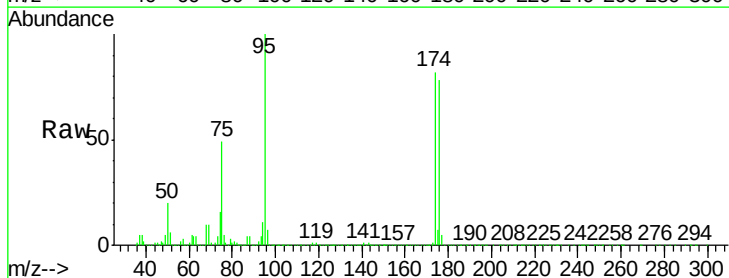
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

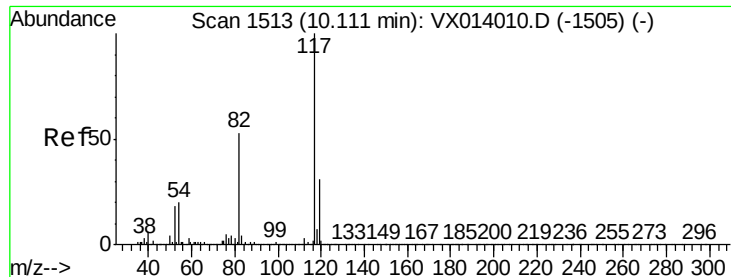
Tgt Ion: 43 Resp: 4156
 Ion Ratio Lower Upper
 43 100
 58 42.1 32.2 48.2



#62
 4-Bromofluorobenzene
 Concen: 45.751 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014170.D
 Acq: 20 Dec 2019 13:43

Tgt Ion: 95 Resp: 342186
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 175.8
 176 87.2 0.0 173.0

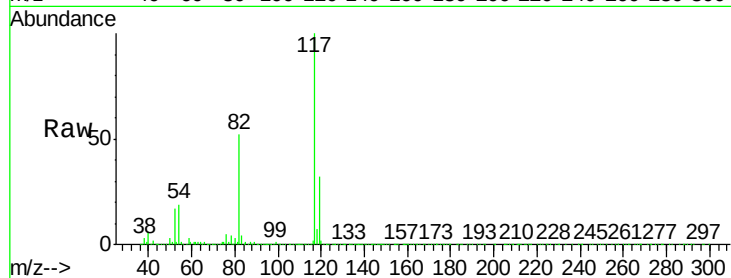




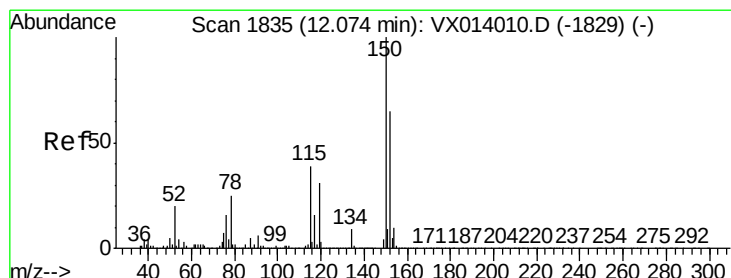
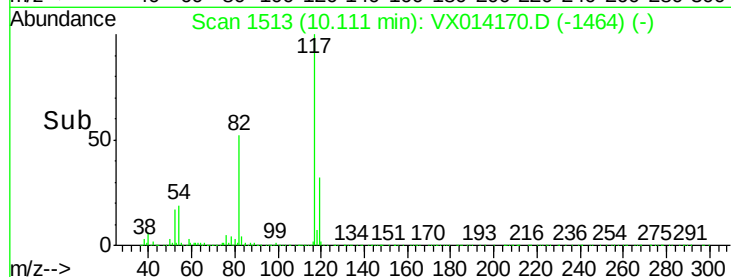
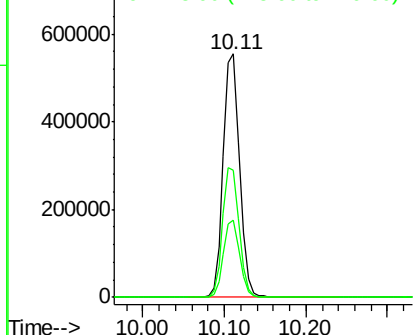
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.2	63.4
119	32.0	25.1	37.7

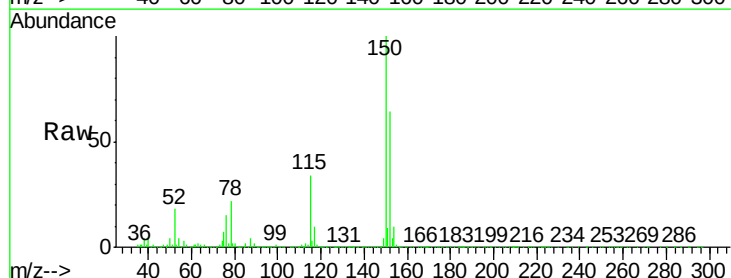


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

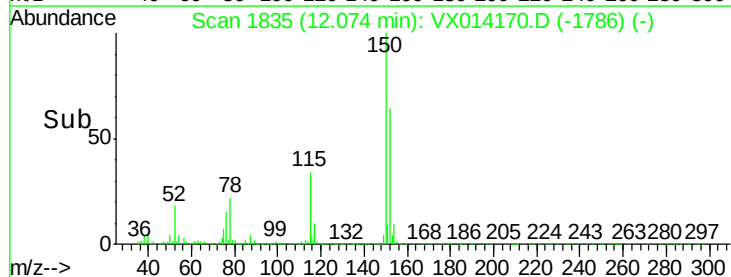
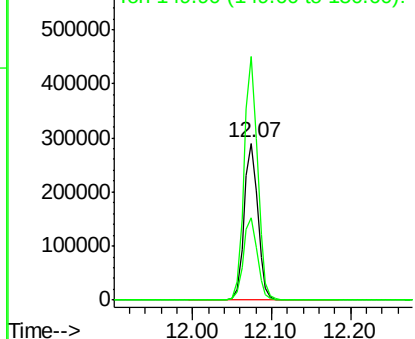


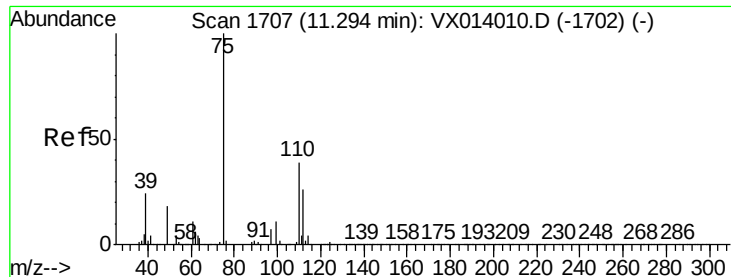
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014170.D
Acq: 20 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	38.3	114.9
150	153.0	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: 22.039 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

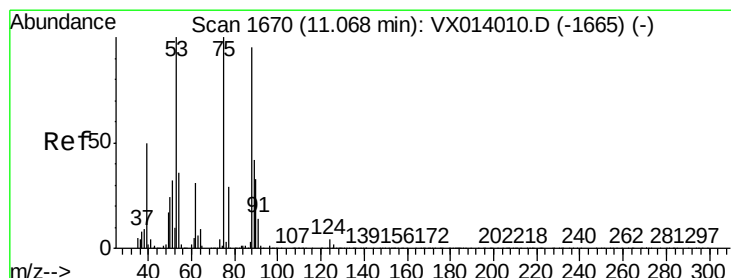
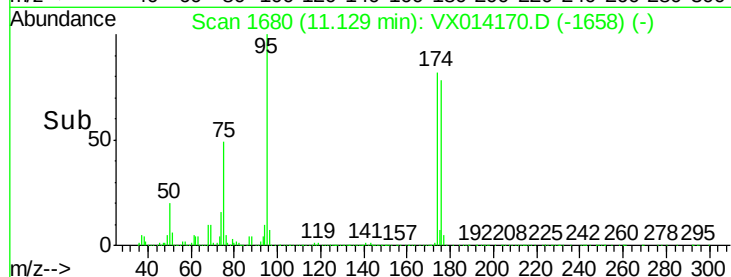
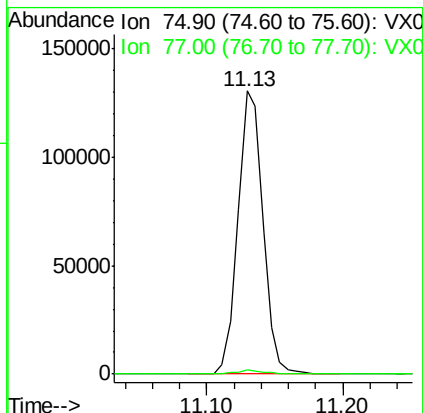
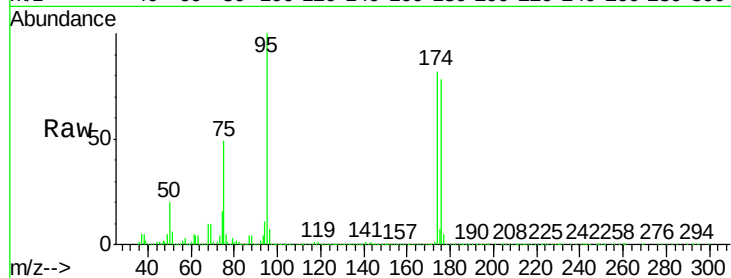
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 166733

Ion Ratio Lower Upper

75 100

77 2.0 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.207 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014170.D

Acq: 20 Dec 2019 13:43

Tgt Ion: 75 Resp: 166733

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.1 34.6 51.8#

