

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014324.D
 Acq On : 27 Dec 2019 21:11
 Operator : JC/SP
 Sample : K6449-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Dec 30 05:40:10 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	507951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	790225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	713834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317453	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	281992	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.49	113	236849	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	8.71	98	940144	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.14	95	315113	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	

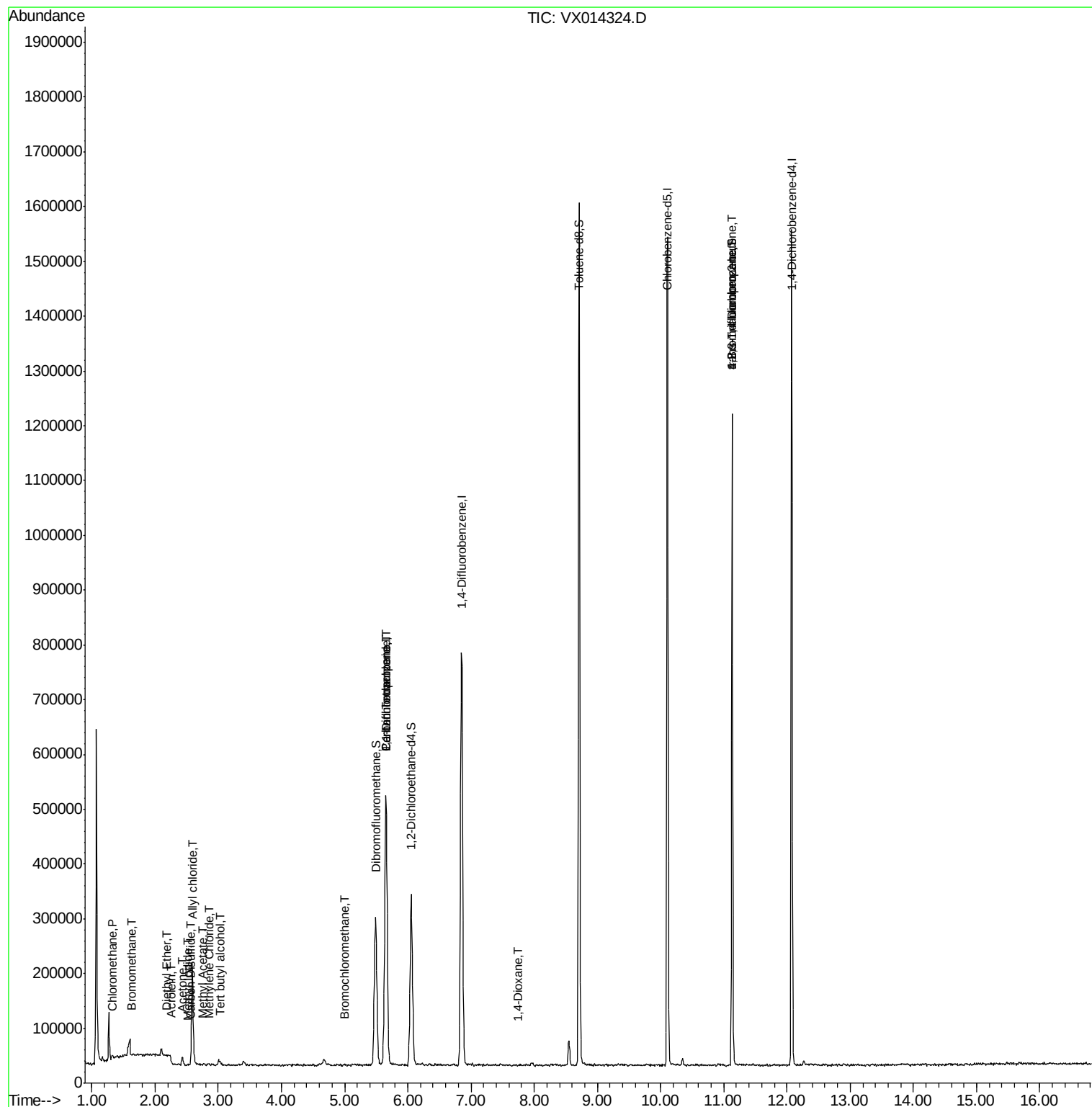
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2924	0.479	ug/l	99
5) Bromomethane	1.64	94	957	0.210	ug/l	98
8) Diethyl Ether	2.17	74	889	0.238	ug/l #	50
10) Methyl Iodide	2.51	142	182	2.648	ug/l #	1
11) Tert butyl alcohol	3.03	59	9074	7.295	ug/l	100
13) Acrolein	2.26	56	145	0.204	ug/l #	14
14) Allyl chloride	2.59	41	17924	2.055	ug/l #	53
16) Acetone	2.43	43	16110	4.310	ug/l	92
17) Carbon Disulfide	2.55	76	555	0.790	ug/l	96
18) Methyl Acetate	2.76	43	2494	0.337	ug/l	93
20) Methylene Chloride	2.86	84	1519	0.258	ug/l #	62
28) Bromochloromethane	5.01	49	209	0.509	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	34494	4.757	ug/l #	51
38) Carbon Tetrachloride	5.66	117	43995	6.660	ug/l #	14
49) 1,4-Dioxane	7.74	88	302	2.287	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	155471	22.559	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	155471	63.672	ug/l #	12

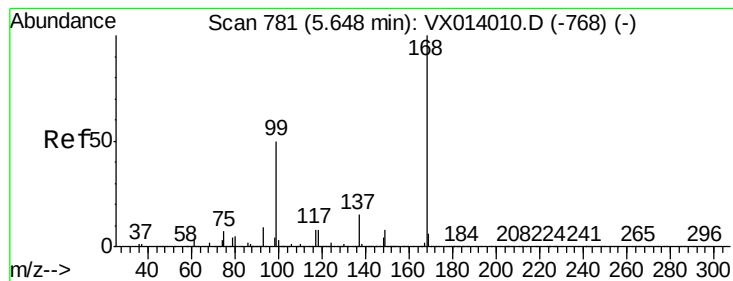
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

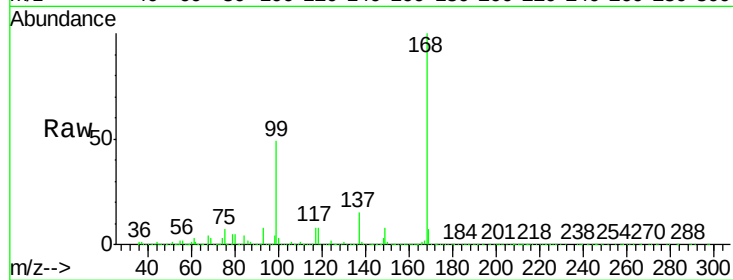
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Tgt Ion:168 Resp: 507951

Ion Ratio Lower Upper

168 100

99 49.1 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

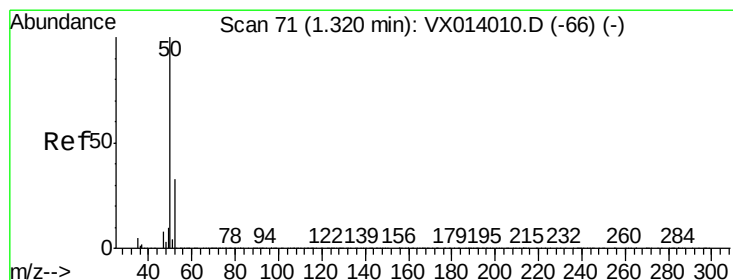
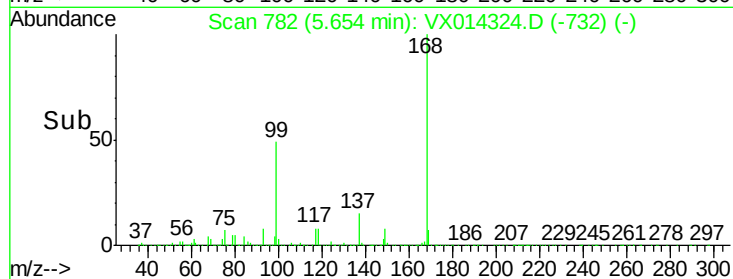
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.479 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014324.D

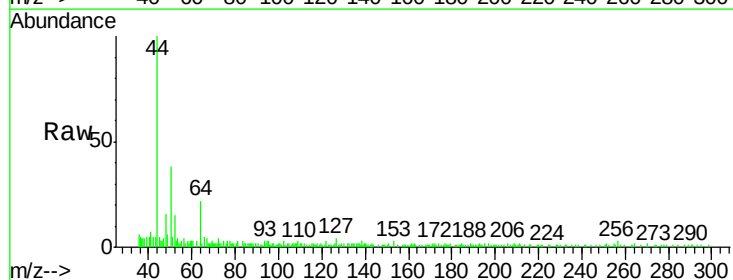
Acq: 27 Dec 2019 21:11

Tgt Ion: 50 Resp: 2924

Ion Ratio Lower Upper

50 100

52 32.1 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

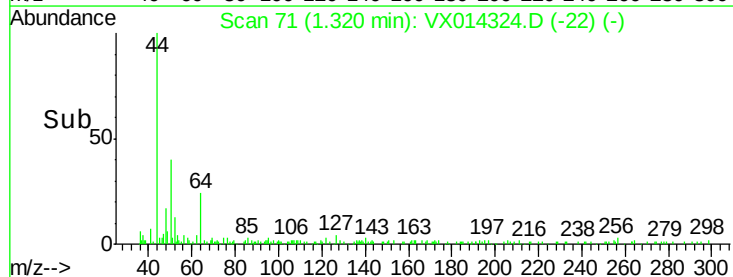
3000

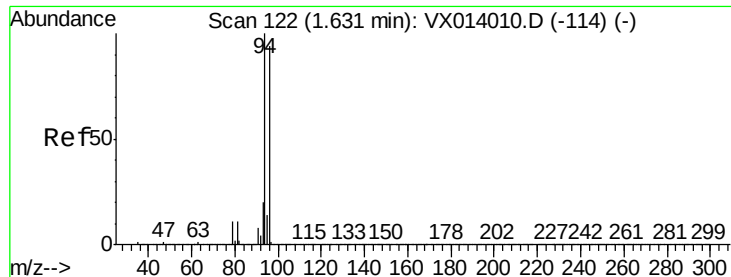
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

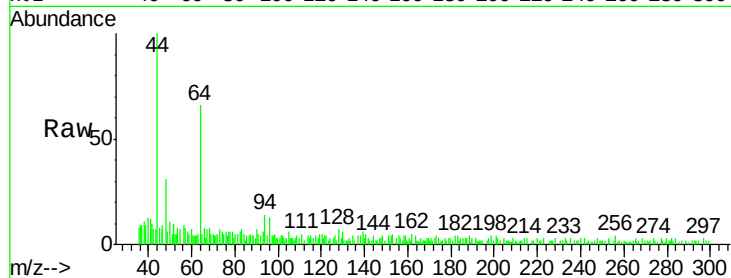
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Tgt Ion: 94 Resp: 957

Ion Ratio Lower Upper

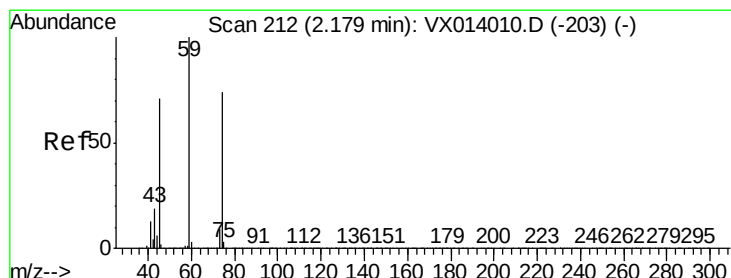
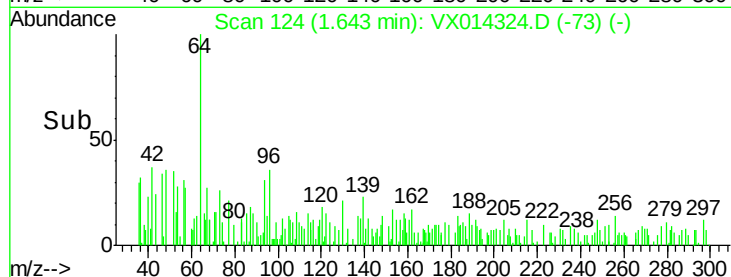
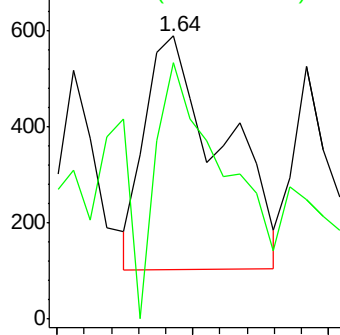
94 100

96 96.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.238 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX014324.D

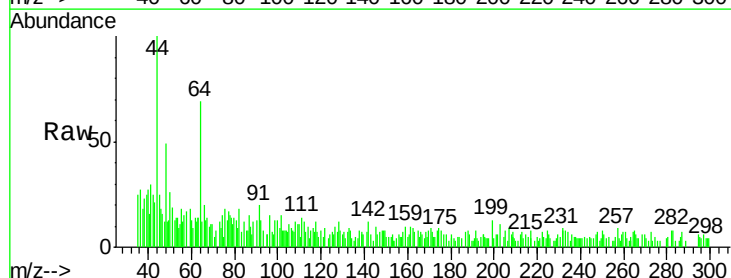
Acq: 27 Dec 2019 21:11

Tgt Ion: 74 Resp: 889

Ion Ratio Lower Upper

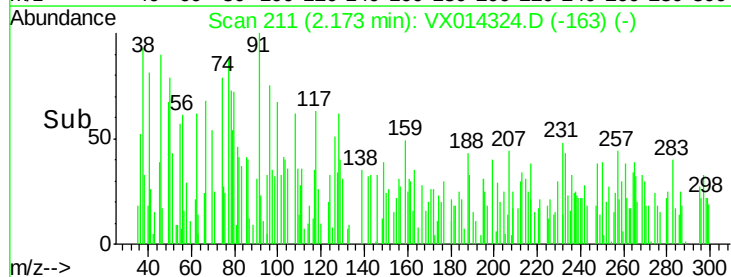
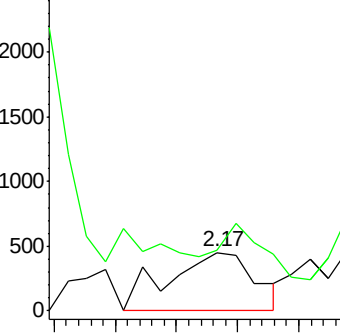
74 100

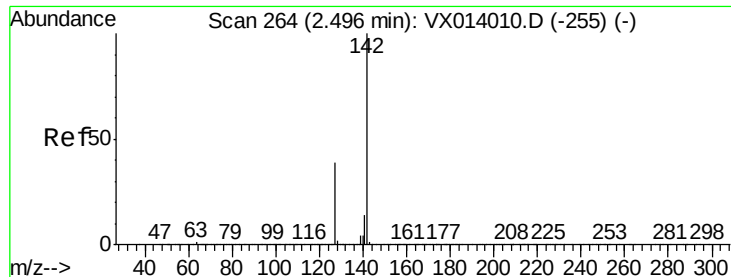
45 47.1 48.1 144.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 2.648 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

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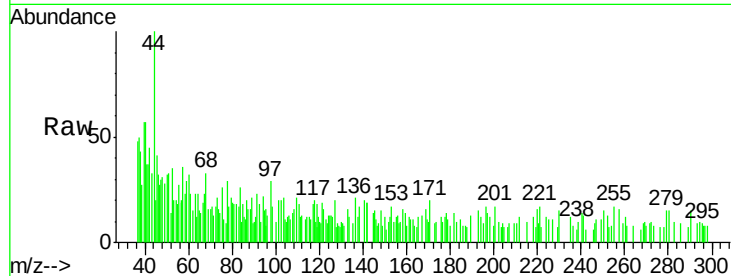
Tgt Ion: 142 Resp: 182

Ion Ratio Lower Upper

142 100

127 122.5 31.6 47.4#

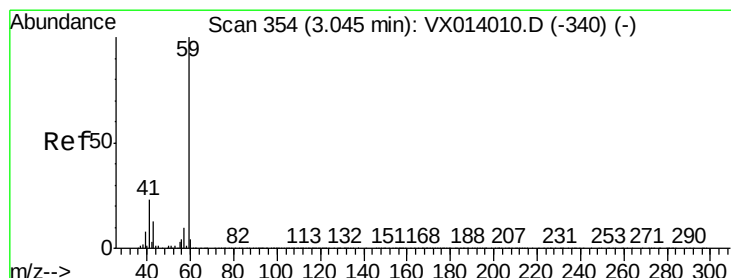
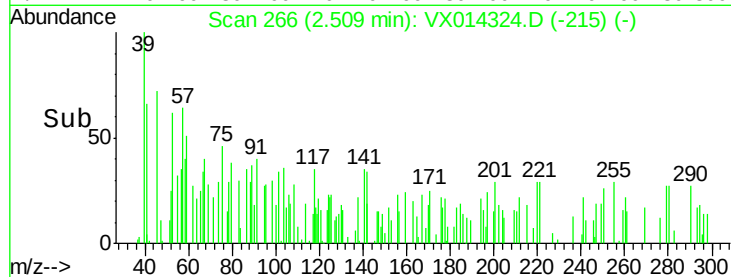
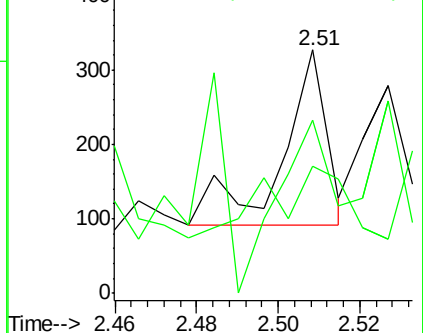
141 187.4 11.6 17.4#



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: 7.295 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.02 min

Lab File: VX014324.D

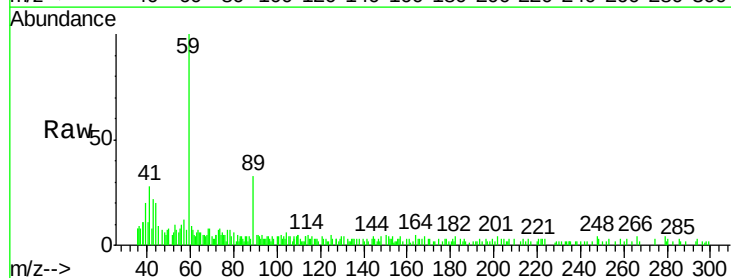
Acq: 27 Dec 2019 21:11

Tgt Ion: 59 Resp: 9074

Ion Ratio Lower Upper

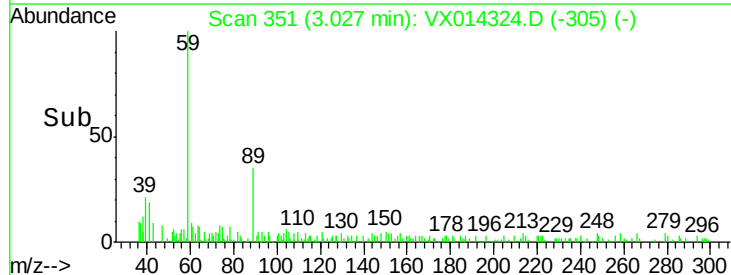
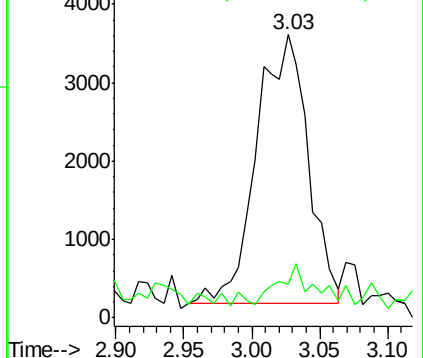
59 100

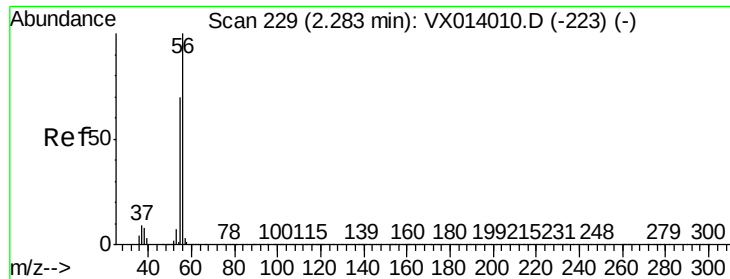
57 10.6 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.204 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

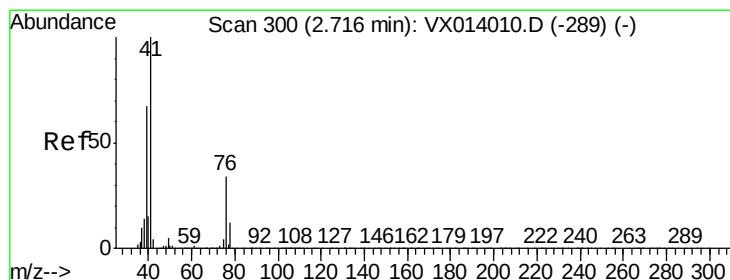
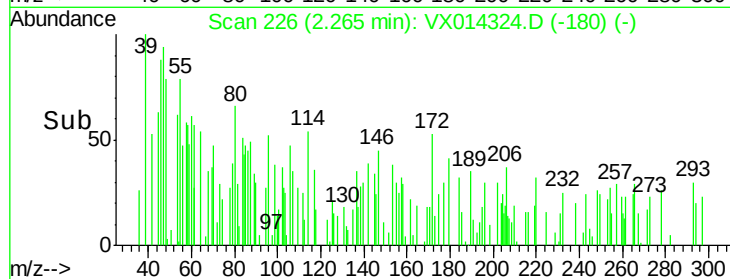
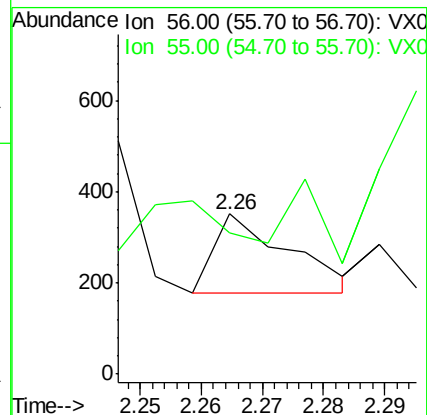
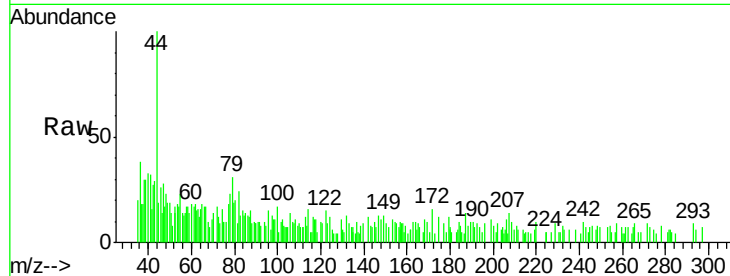
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Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#14

Allyl chloride

Concen: 2.055 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

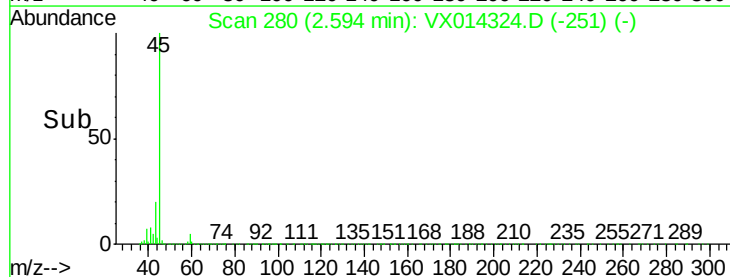
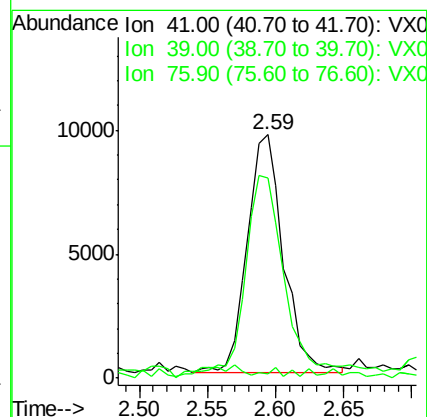
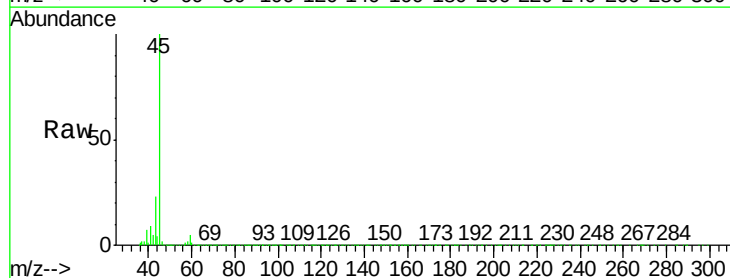
Tgt Ion: 41 Resp: 17924

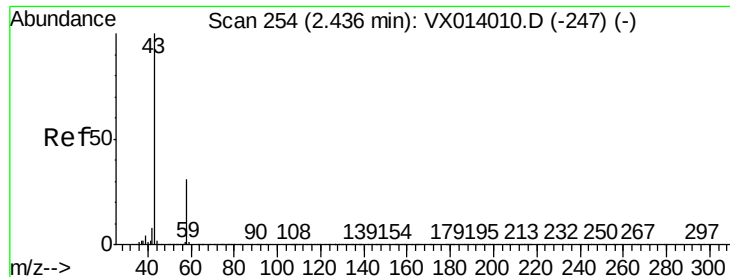
Ion Ratio Lower Upper

41 100

39 98.5 51.8 77.8#

76 1.3 25.9 38.9#





#16

Acetone

Concen: 4.310 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

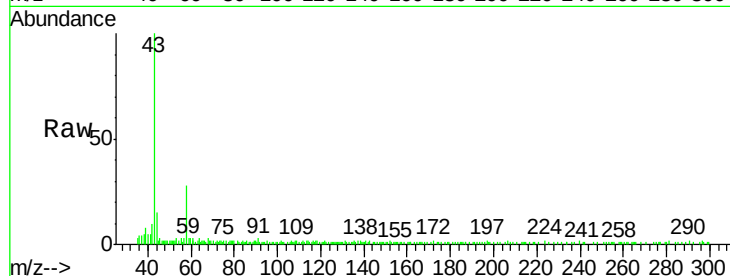
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Tgt Ion: 43 Resp: 16110

Ion Ratio Lower Upper

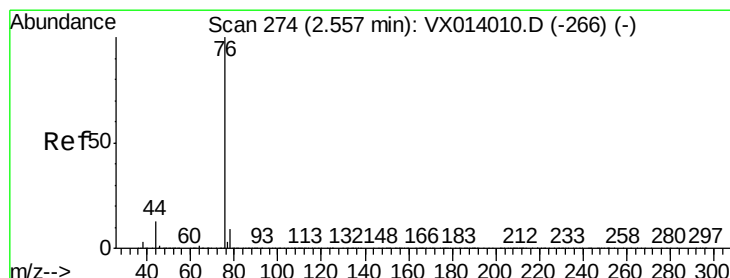
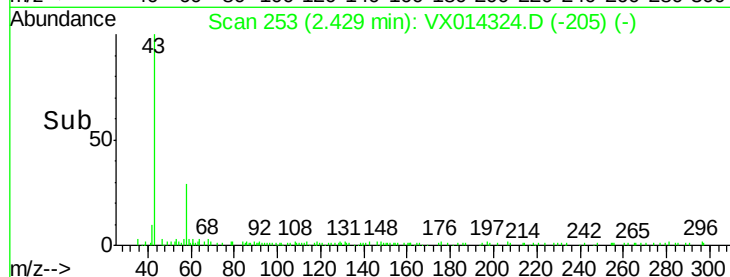
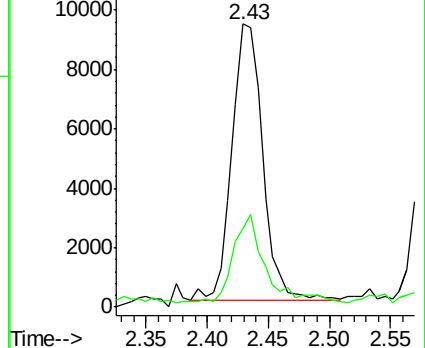
43 100

58 26.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.790 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX014324.D

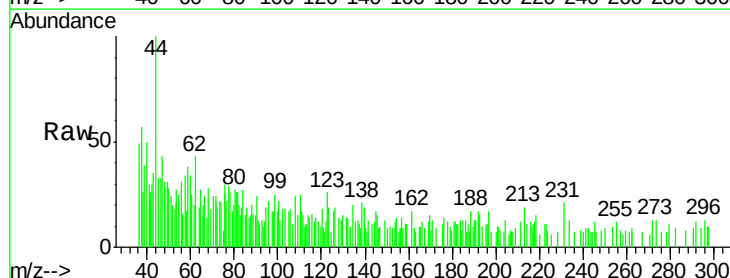
Acq: 27 Dec 2019 21:11

Tgt Ion: 76 Resp: 555

Ion Ratio Lower Upper

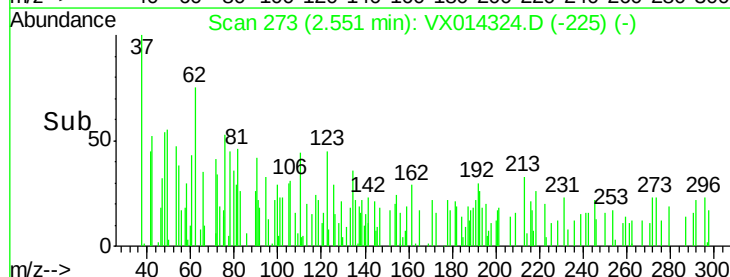
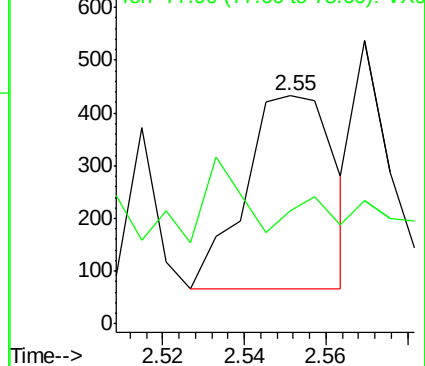
76 100

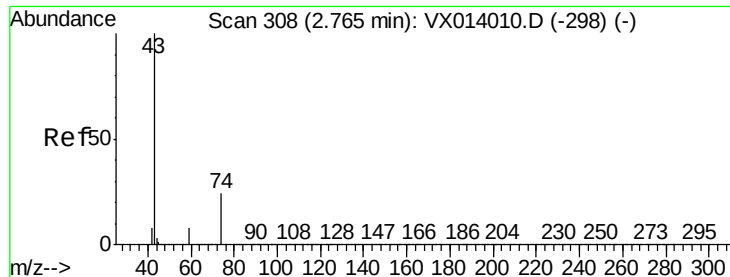
78 7.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

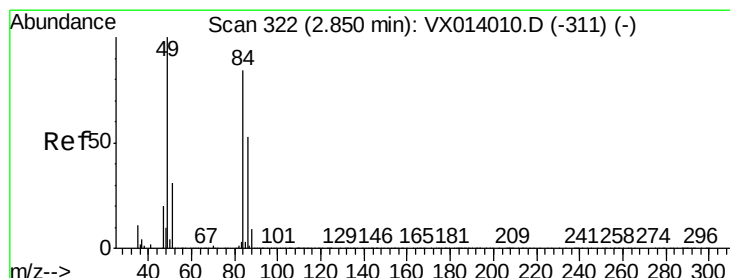
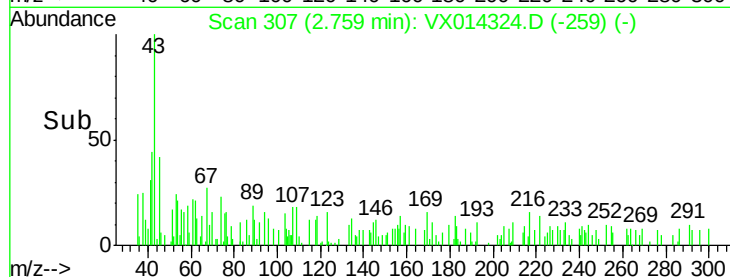
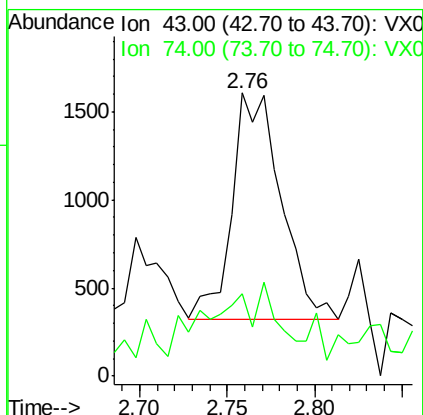
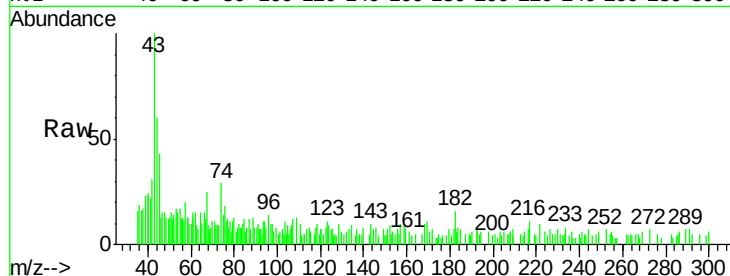




#18
Methyl Acetate
Concen: 0.337 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014324.D
Acq: 27 Dec 2019 21:11

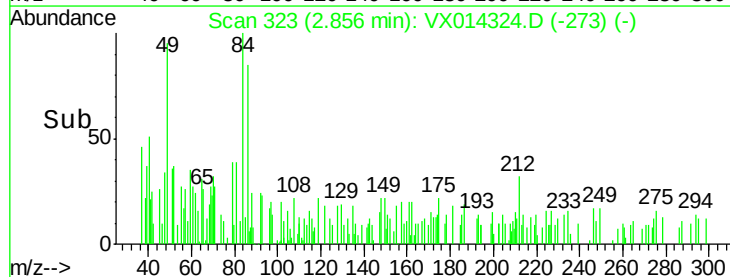
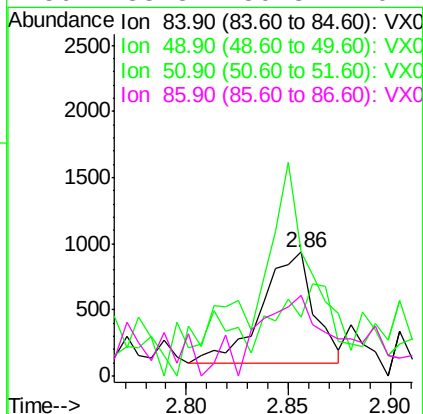
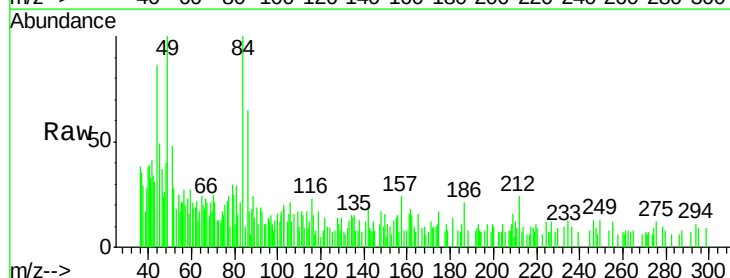
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MSVOA_X
ClientSampled :
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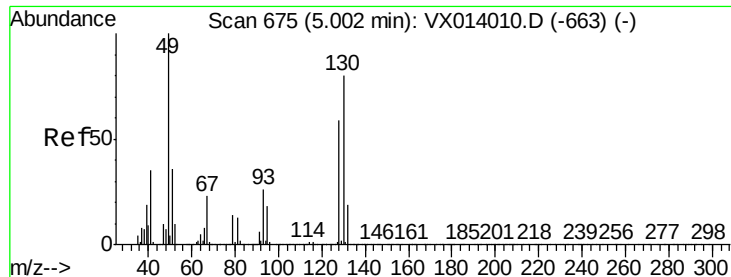
Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
74 28.1 19.5 29.3



#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014324.D
Acq: 27 Dec 2019 21:11

Tgt Ion: 84 Resp: 1519
Ion Ratio Lower Upper
84 100
49 66.7 95.8 143.6#
51 28.1 29.8 44.8#
86 38.3 50.8 76.2#





#28

Bromochloromethane

Concen: 0.509 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

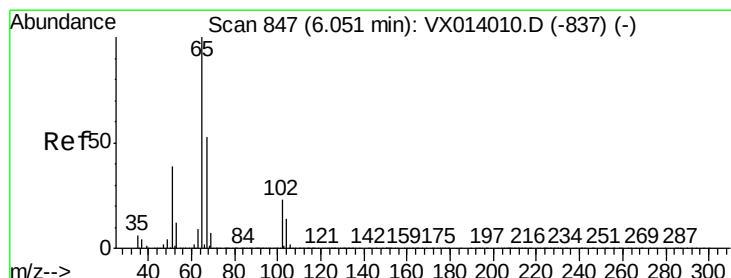
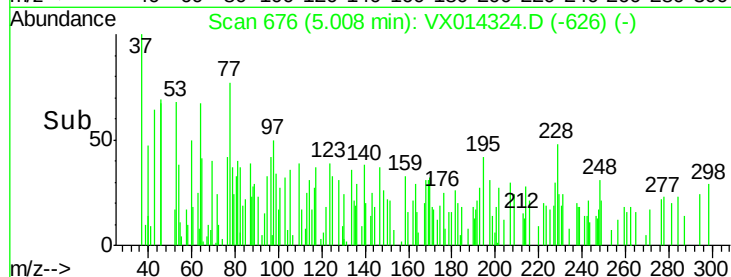
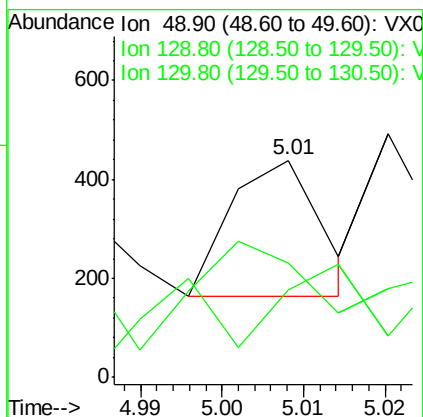
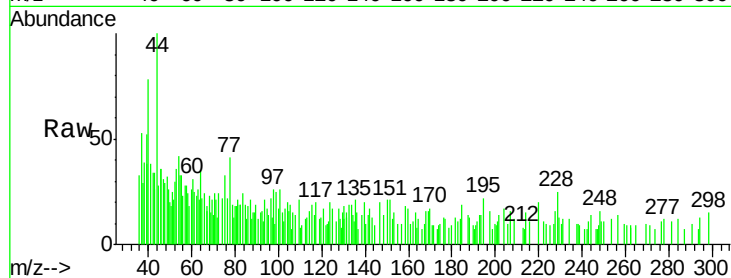
Tgt Ion: 49 Resp: 209

Ion Ratio Lower Upper

49 100

129 53.6 0.0 5.0#

130 221.1 64.6 97.0#



#33

1,2-Dichloroethane-d4

Concen: 48.983 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014324.D

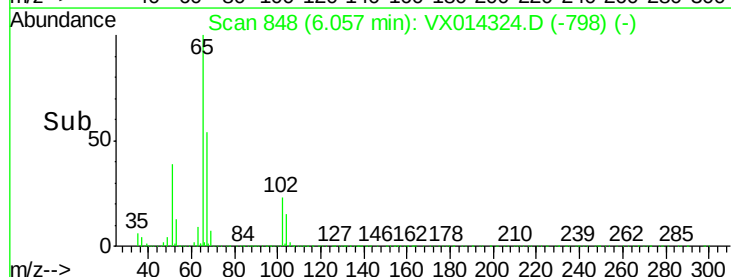
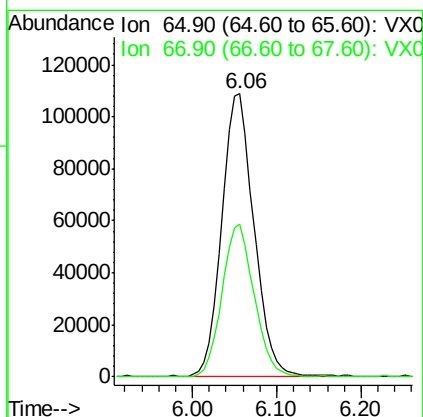
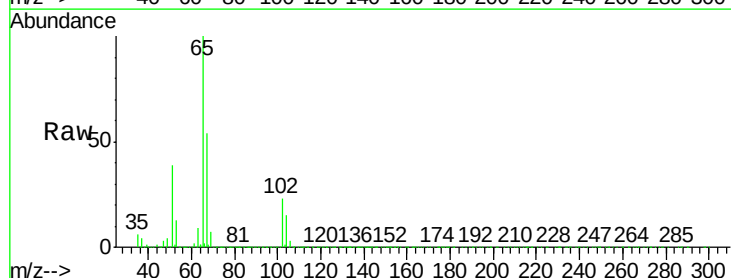
Acq: 27 Dec 2019 21:11

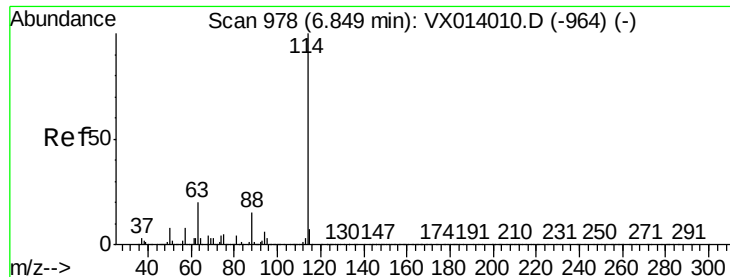
Tgt Ion: 65 Resp: 281992

Ion Ratio Lower Upper

65 100

67 54.4 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: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

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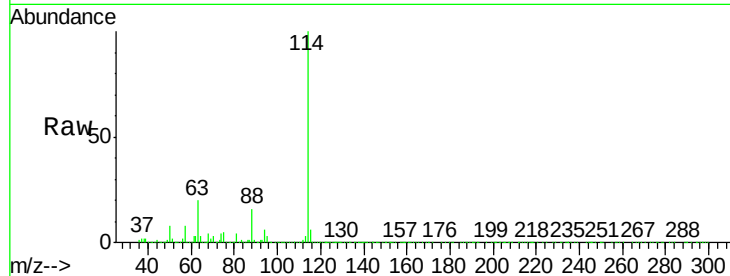
Tgt Ion:114 Resp: 790225

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

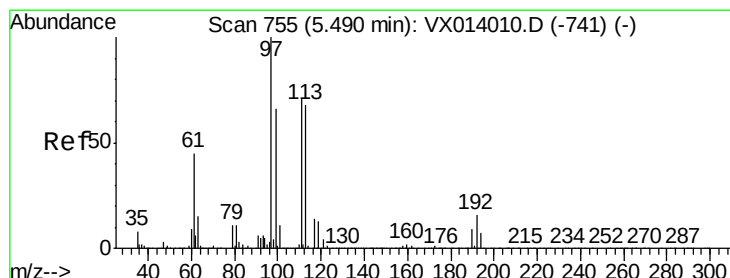
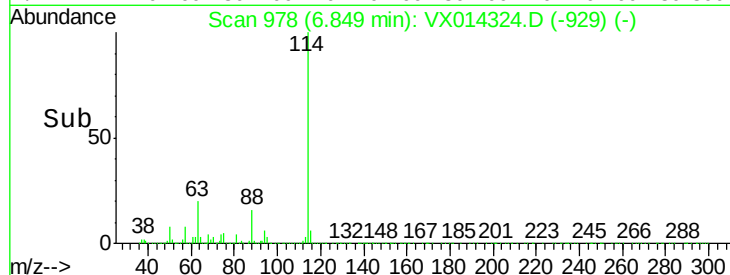
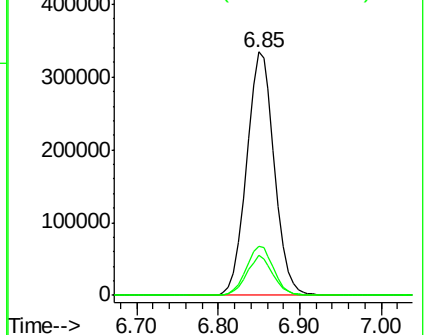
88 16.2 0.0 30.4



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: 49.306 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

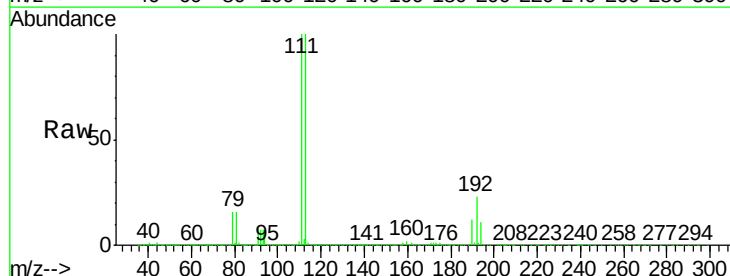
Tgt Ion:113 Resp: 236849

Ion Ratio Lower Upper

113 100

111 100.7 82.0 123.0

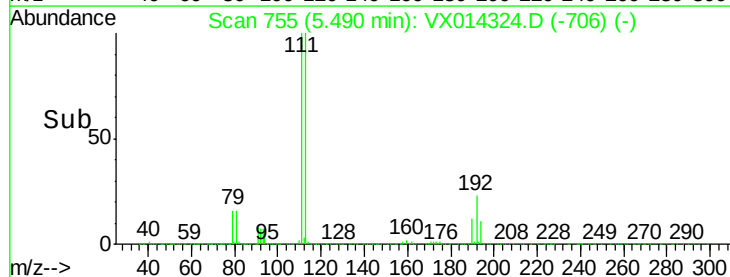
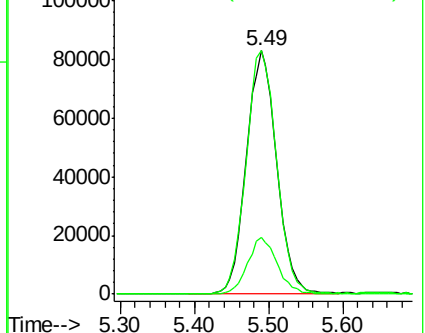
192 23.0 19.3 28.9

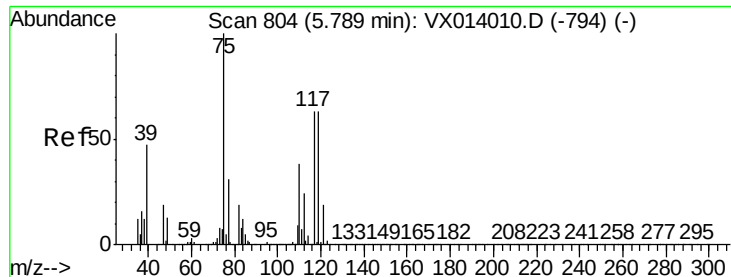


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

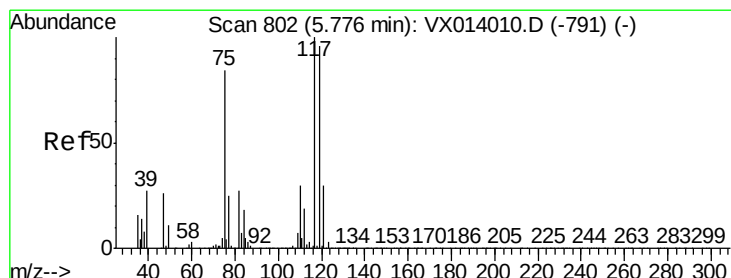
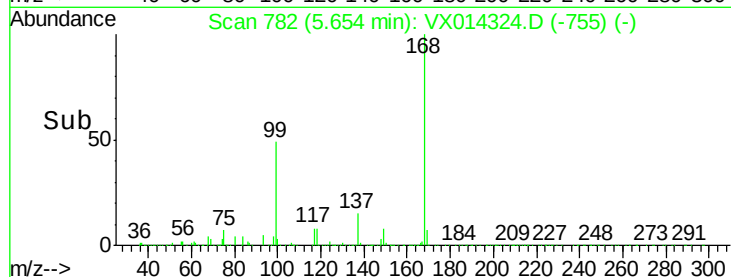
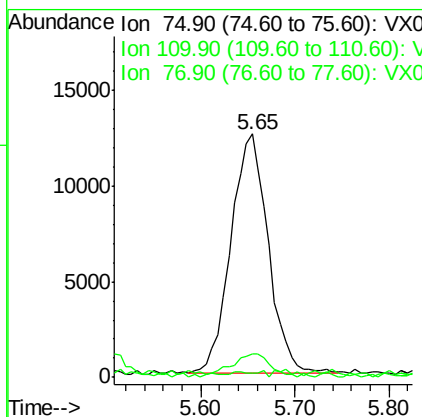
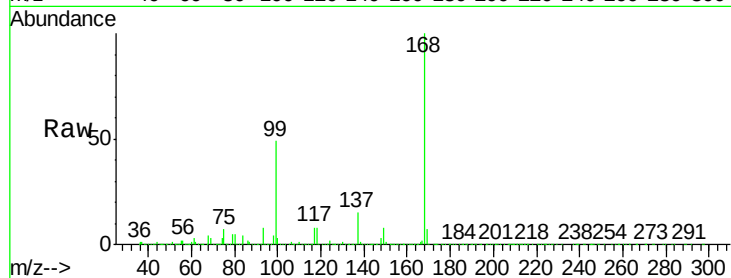




#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014324.D
 Acq: 27 Dec 2019 21:11

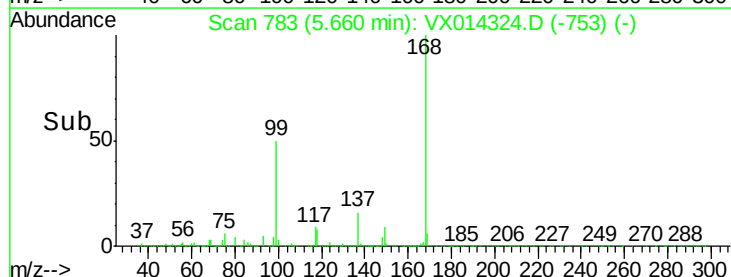
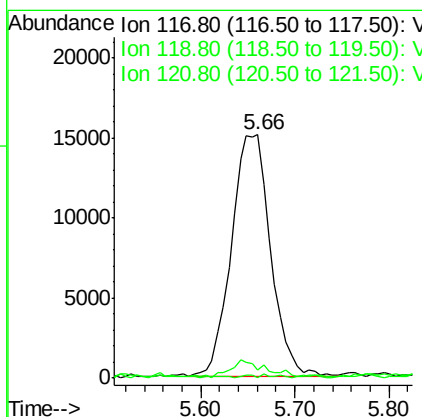
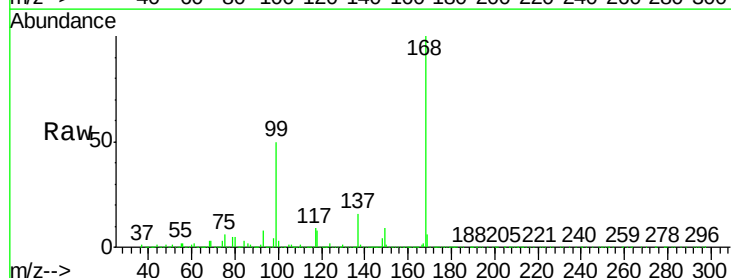
Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

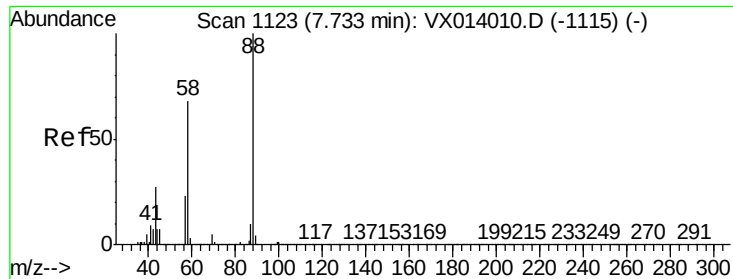
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.3	54.9#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.660 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. -0.12 min
 Lab File: VX014324.D
 Acq: 27 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.8	76.2	114.4#
121	0.0	23.6	35.4#





#49

1,4-Dioxane

Concen: 2.287 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

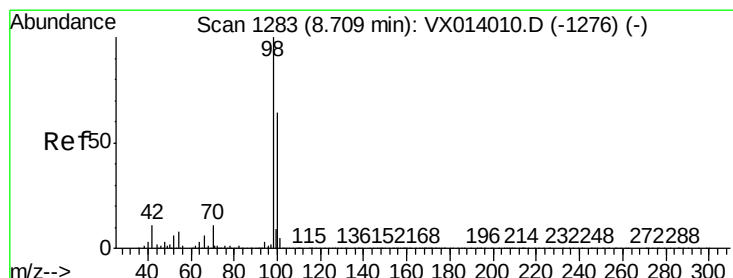
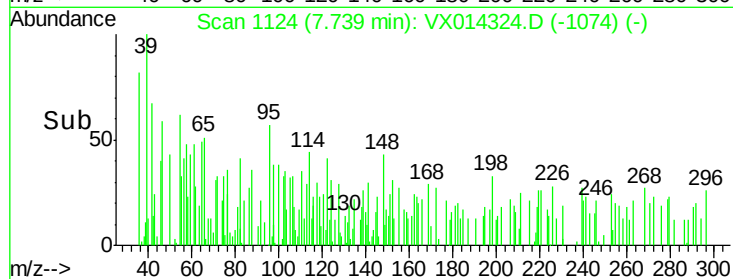
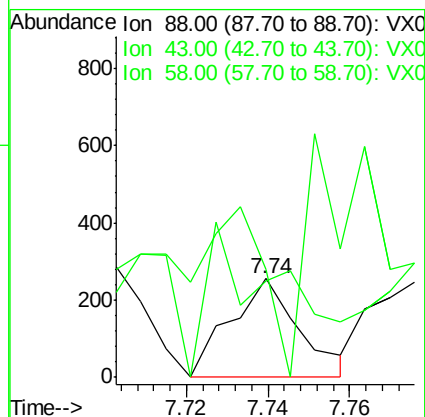
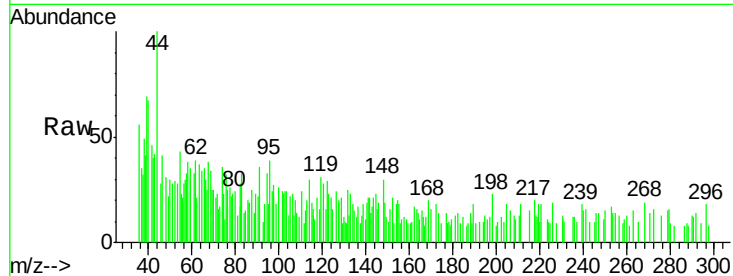
Tgt Ion: 88 Resp: 302

Ion Ratio Lower Upper

88 100

43 132.5 26.5 39.7#

58 172.2 56.8 85.2#



#50

Toluene-d8

Concen: 50.270 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014324.D

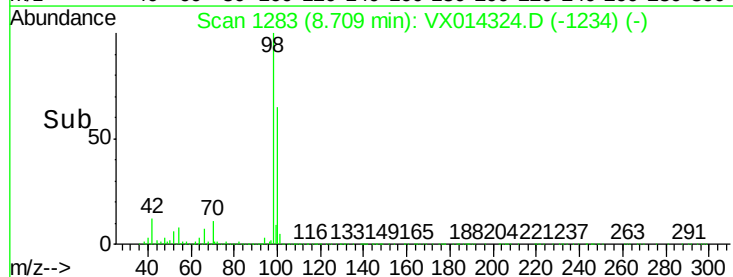
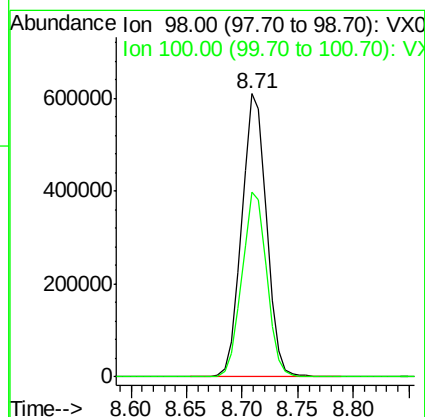
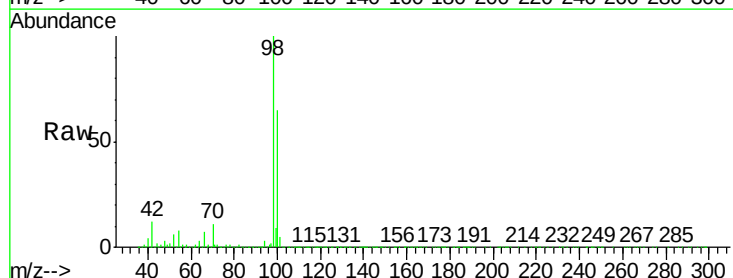
Acq: 27 Dec 2019 21:11

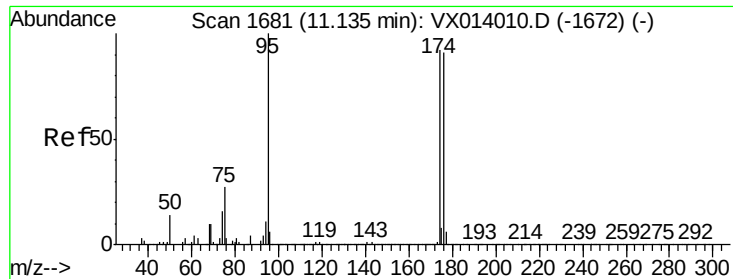
Tgt Ion: 98 Resp: 940144

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3

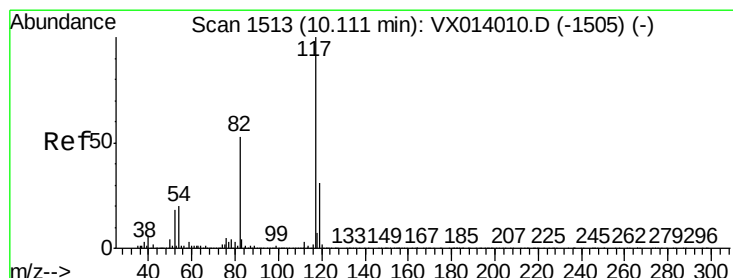
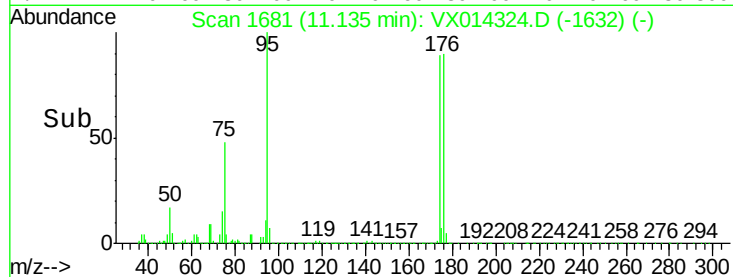
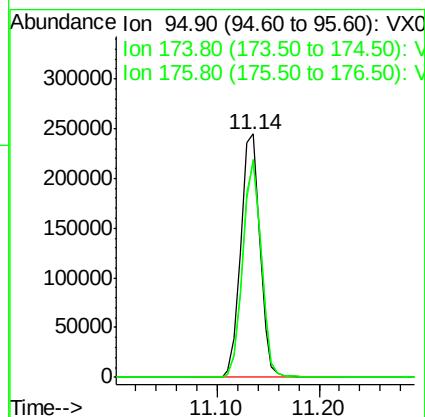
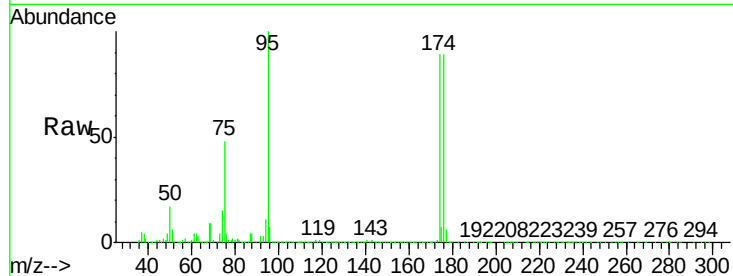




#62
4-Bromofluorobenzene
Concen: 46.093 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX014324.D
Acq: 27 Dec 2019 21:11

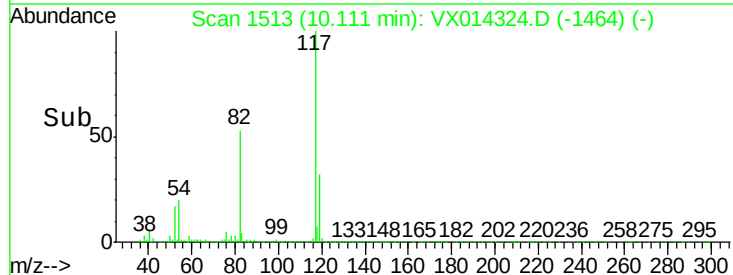
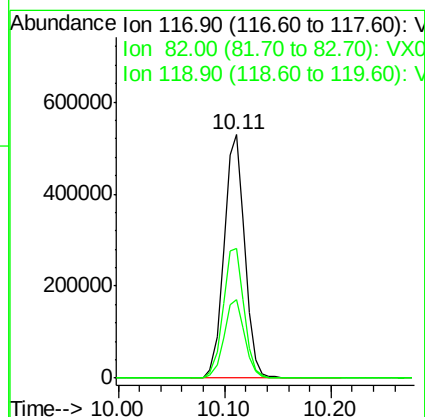
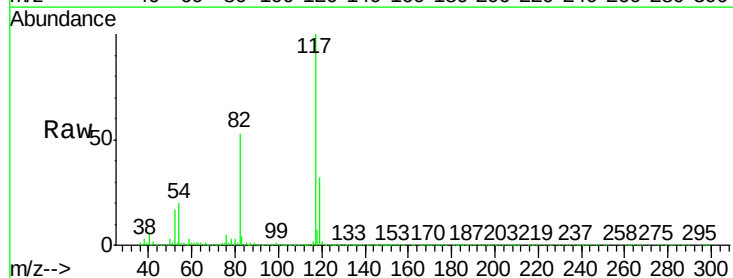
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

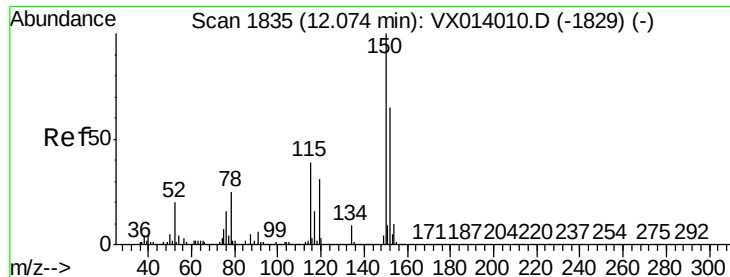
Tgt Ion: 95 Resp: 315113
Ion Ratio Lower Upper
95 100
174 87.1 0.0 175.8
176 85.8 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014324.D
Acq: 27 Dec 2019 21:11

Tgt Ion: 117 Resp: 713834
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 32.0 25.1 37.7



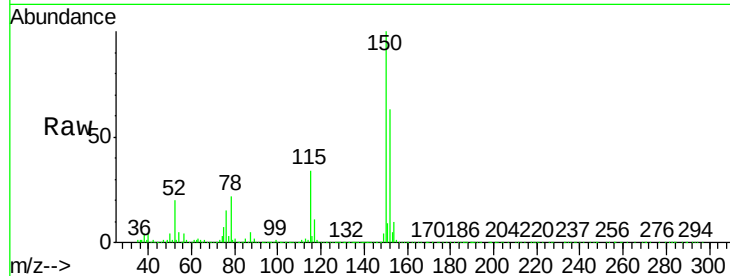


#72

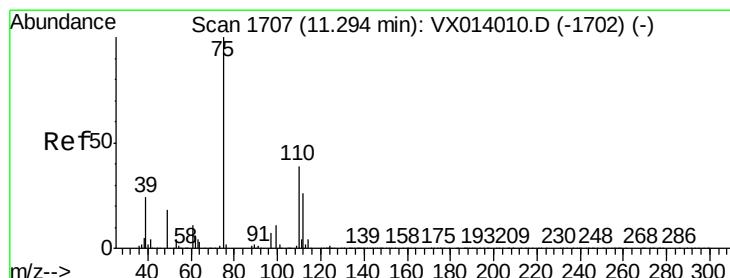
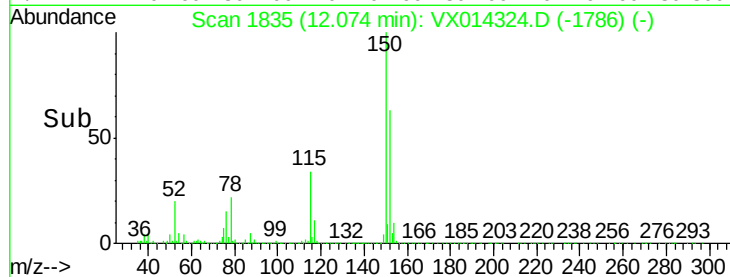
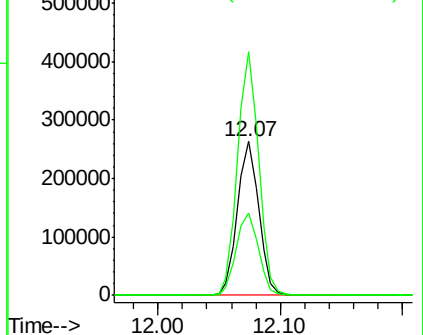
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014324.D
Acq: 27 Dec 2019 21:11

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

Tgt Ion: 152 Resp: 317453
Ion Ratio Lower Upper
152 100
115 55.0 38.3 114.9
150 156.2 0.0 345.4



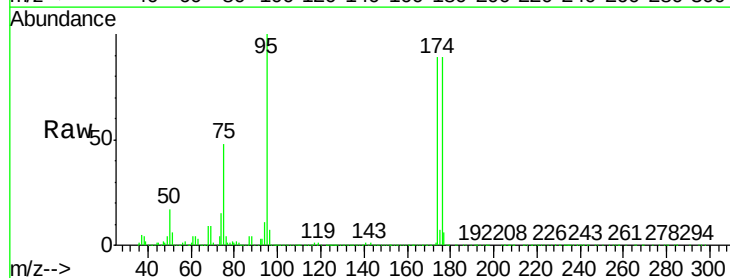
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



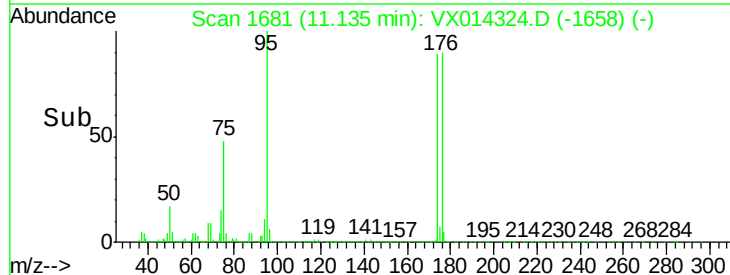
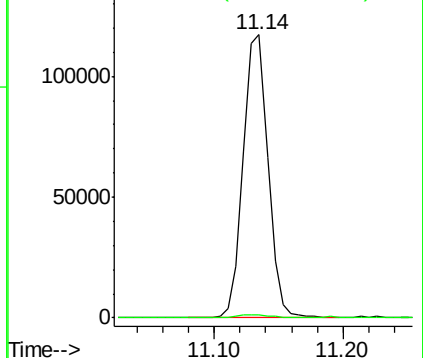
#76

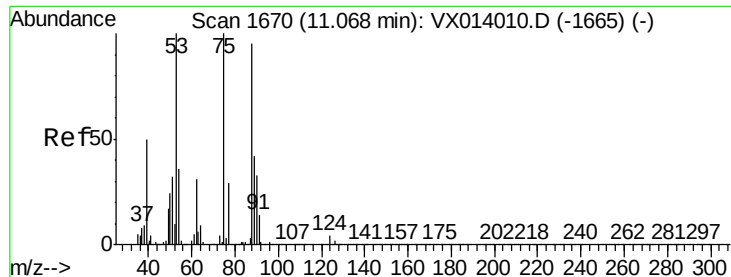
1,2,3-Trichloropropane
Concen: 22.559 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX014324.D
Acq: 27 Dec 2019 21:11

Tgt Ion: 75 Resp: 155471
Ion Ratio Lower Upper
75 100
77 1.4 19.3 57.8#



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: 63.672 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014324.D

Acq: 27 Dec 2019 21:11

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

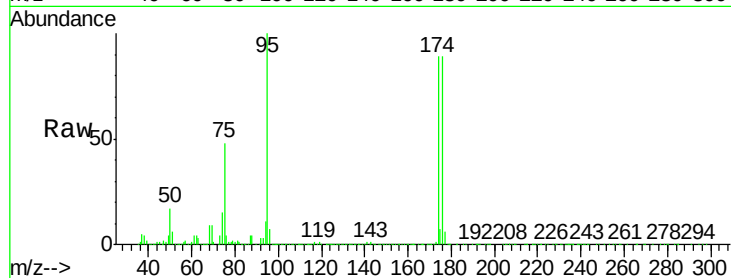
Tgt Ion: 75 Resp: 155471

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.1 34.6 51.8#



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

