

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
 Data File : VX014249.D
 Acq On : 24 Dec 2019 16:48
 Operator : JC/SP
 Sample : K6405-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)

Quant Time: Dec 25 05:43:07 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	554049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	852225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	755465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	335833	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	302385	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
35) Dibromofluoromethane	5.49	113	252118	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.71	98	1013125	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	342652	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

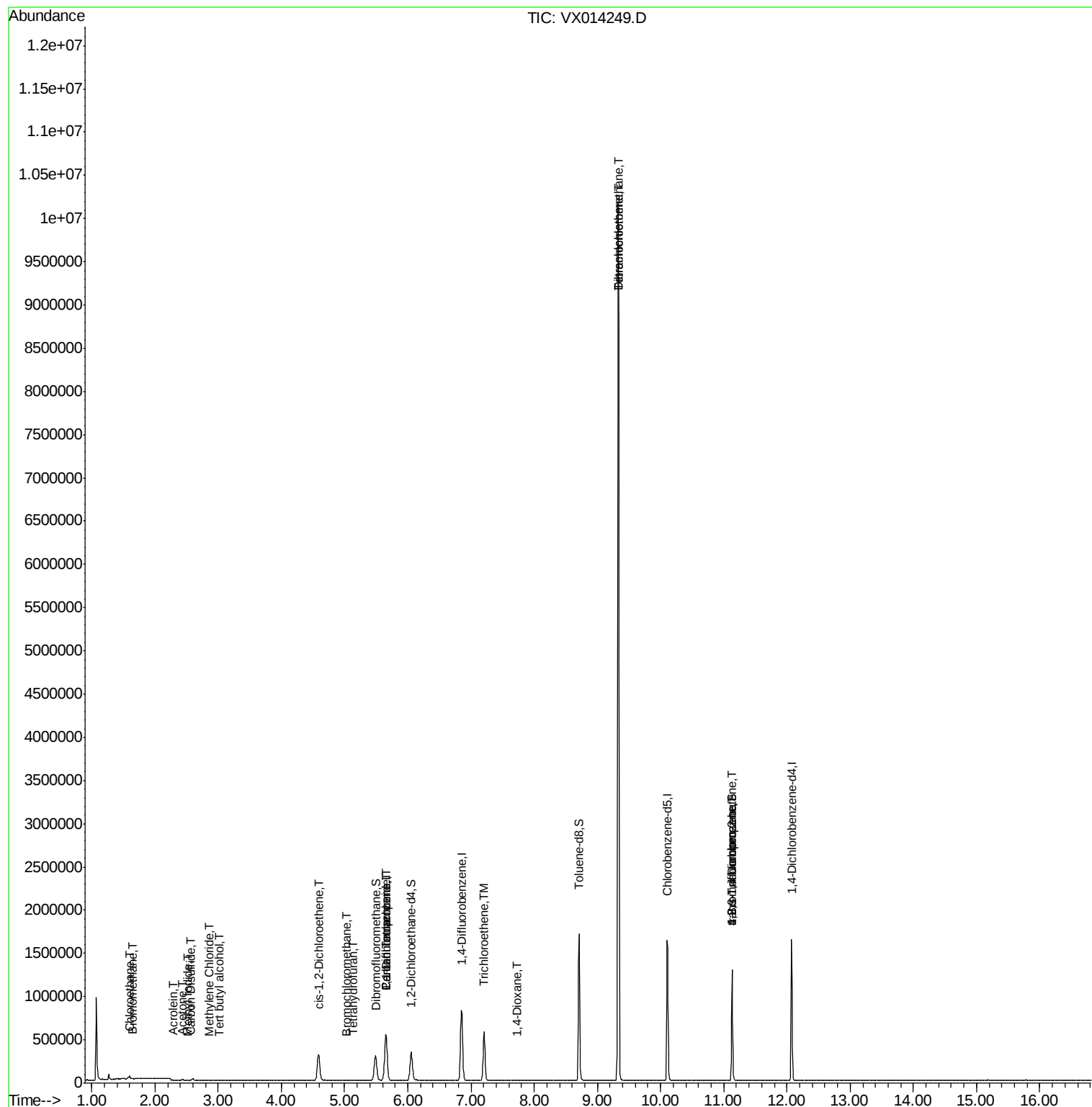
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1611	0.323	ug/l	82
6) Chloroethane	1.61	64	5002	1.155	ug/l #	87
10) Methyl Iodide	2.52	142	1420	2.816	ug/l #	60
11) Tert butyl alcohol	3.03	59	2347	1.730	ug/l #	85
13) Acrolein	2.29	56	191	0.246	ug/l #	1
16) Acetone	2.43	43	12767	3.132	ug/l	99
17) Carbon Disulfide	2.56	76	2212	0.897	ug/l #	1
20) Methylene Chloride	2.85	84	1678	0.261	ug/l #	83
27) cis-1,2-Dichloroethene	4.59	96	195298	29.410	ug/l	91
28) Bromochloromethane	5.03	49	116	0.482	ug/l #	1
29) Tetrahydrofuran	5.13	42	654	0.233	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	37460	4.790	ug/l #	53
38) Carbon Tetrachloride	5.65	117	48780	6.848	ug/l #	16
44) Trichloroethene	7.21	130	226079	34.019	ug/l	99
49) 1,4-Dioxane	7.73	88	480	3.371	ug/l #	13
60) Dibromochloromethane	9.33	129	1770675	292.261	ug/l #	11
64) Tetrachloroethene	9.33	164	2005269	299.969	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	166907	22.893	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	166907	64.615	ug/l #	12

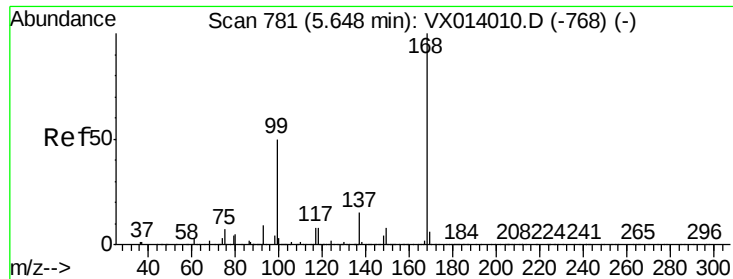
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

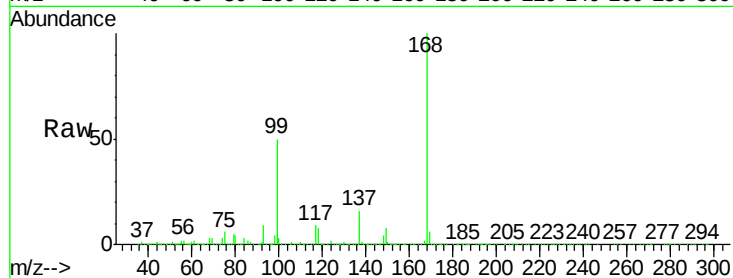
993-MW-03A-(17)

Tgt Ion:168 Resp: 554049

Ion Ratio Lower Upper

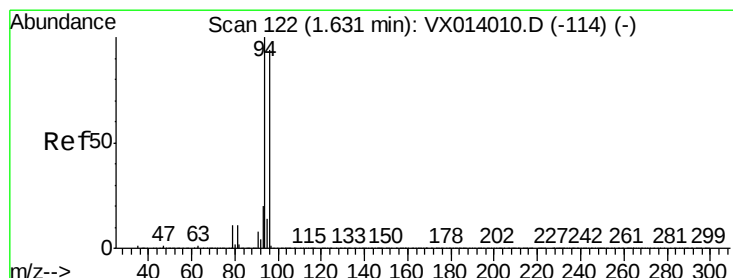
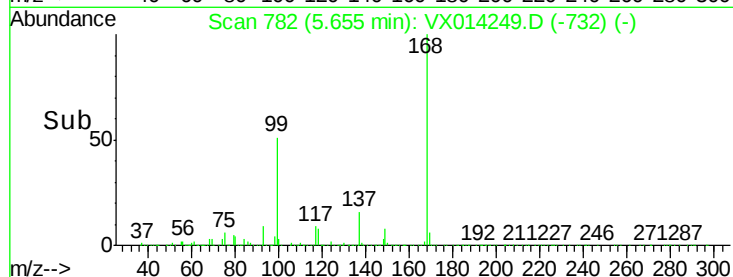
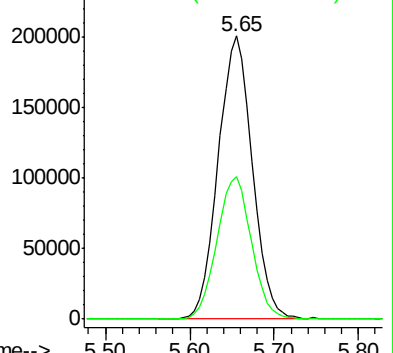
168 100

99 50.3 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: 0.323 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014249.D

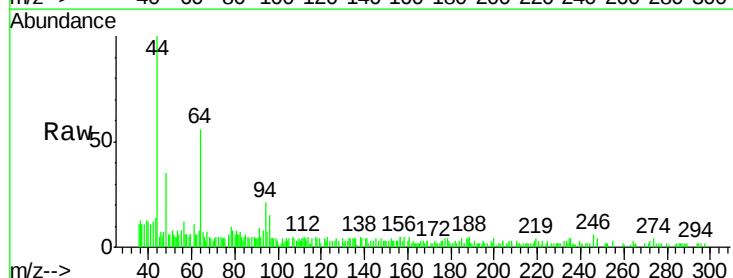
Acq: 24 Dec 2019 16:48

Tgt Ion: 94 Resp: 1611

Ion Ratio Lower Upper

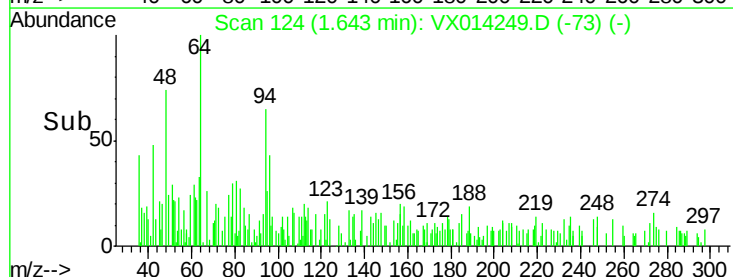
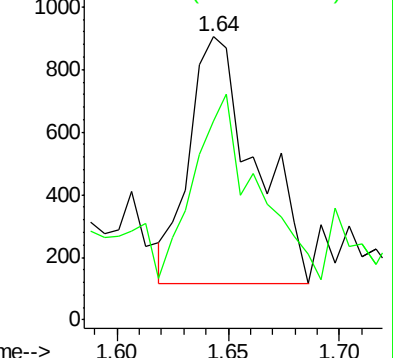
94 100

96 76.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.155 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.10 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

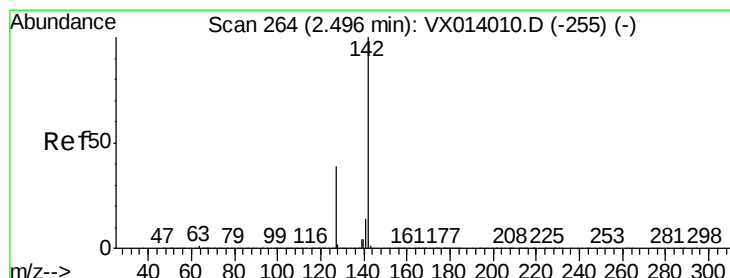
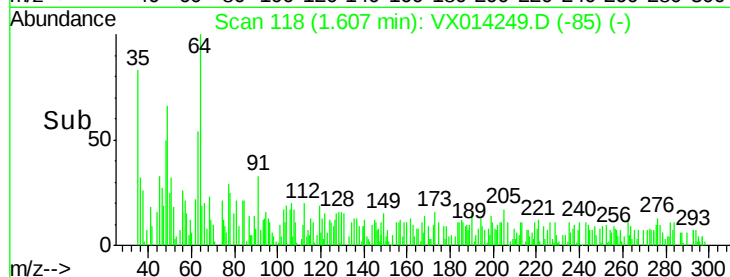
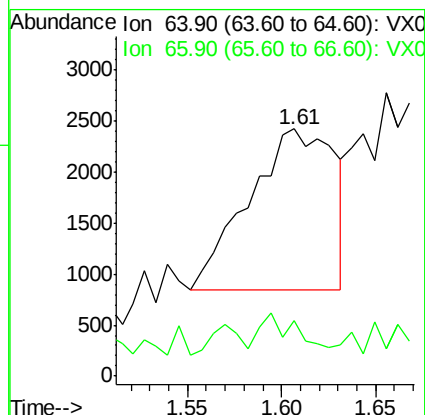
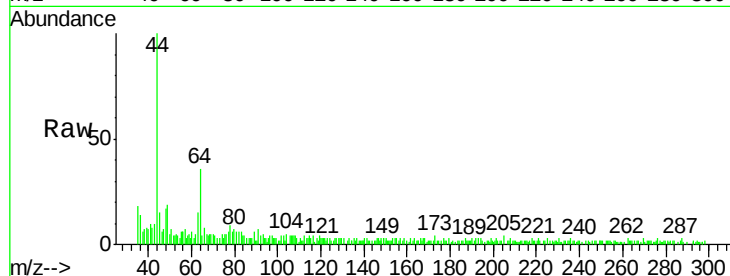
993-MW-03A-(17)

Tgt Ion: 64 Resp: 5002

Ion Ratio Lower Upper

64 100

66 22.1 23.4 35.2#



#10

Methyl Iodide

Concen: 2.816 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.03 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

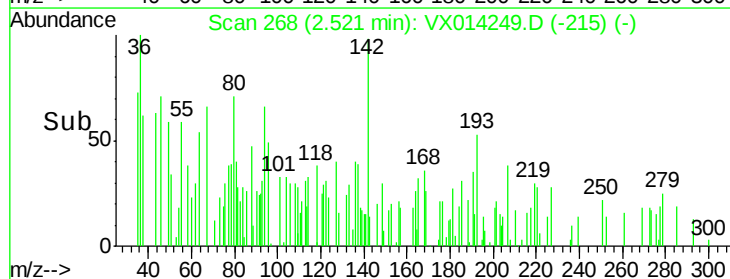
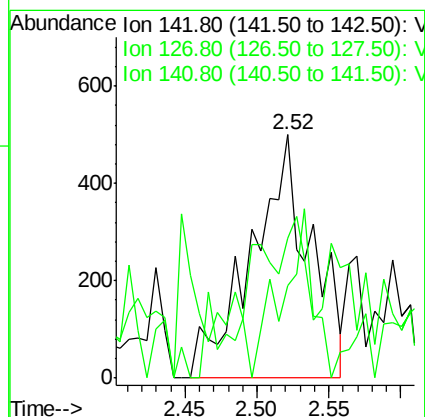
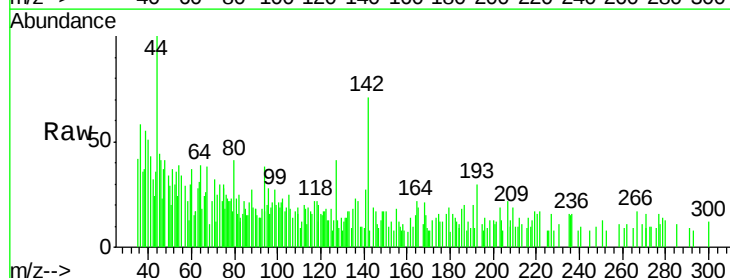
Tgt Ion: 142 Resp: 1420

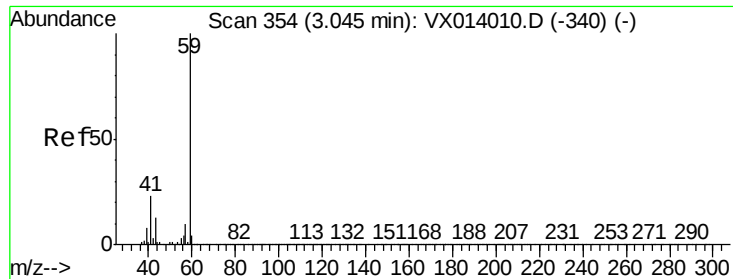
Ion Ratio Lower Upper

142 100

127 18.0 31.6 47.4#

141 36.6 11.6 17.4#



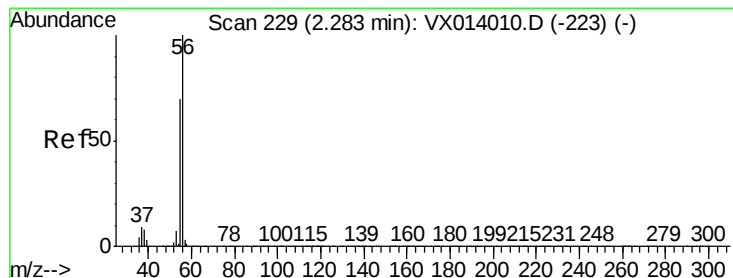
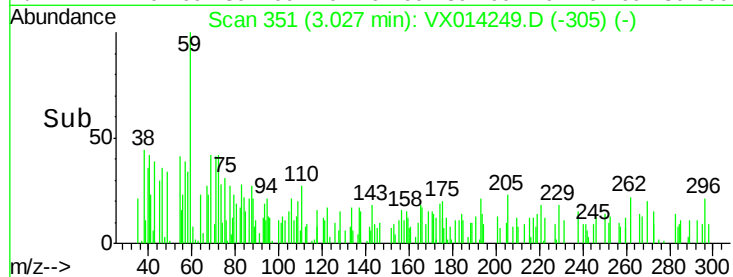
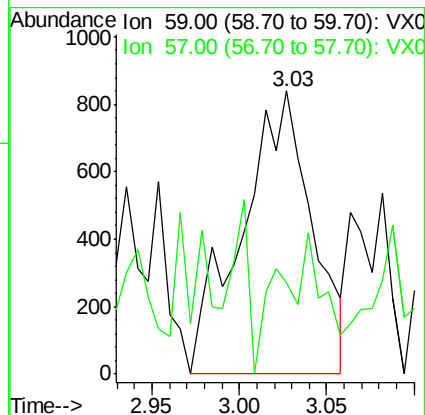
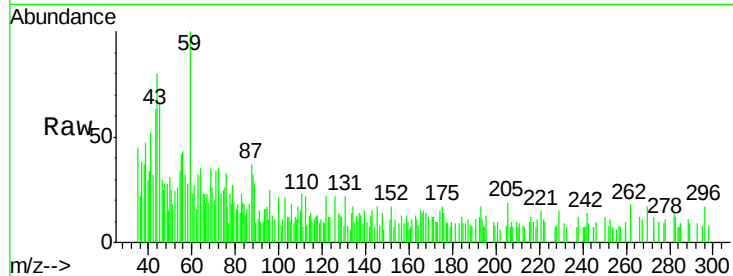


#11

Tert butyl alcohol
 Concen: 1.730 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)

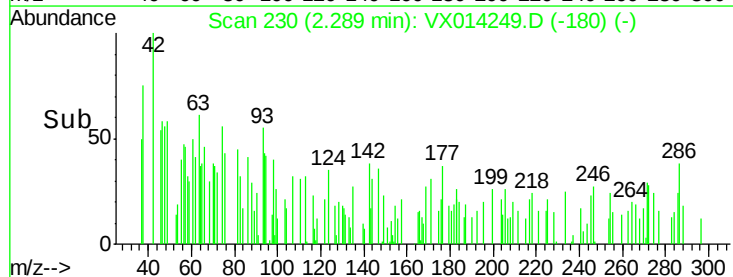
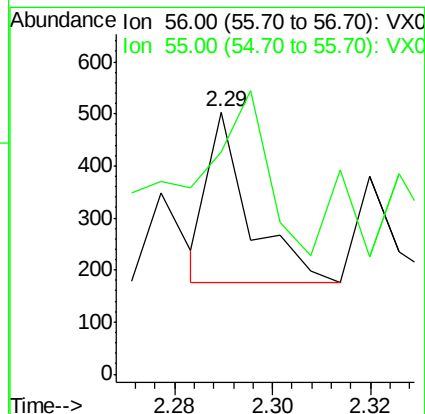
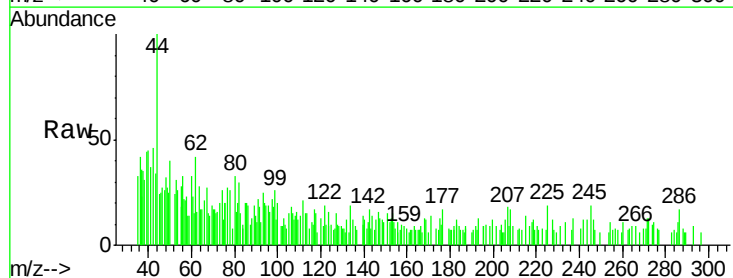
Tgt Ion: 59 Resp: 2347
 Ion Ratio Lower Upper
 59 100
 57 16.1 8.4 12.6#

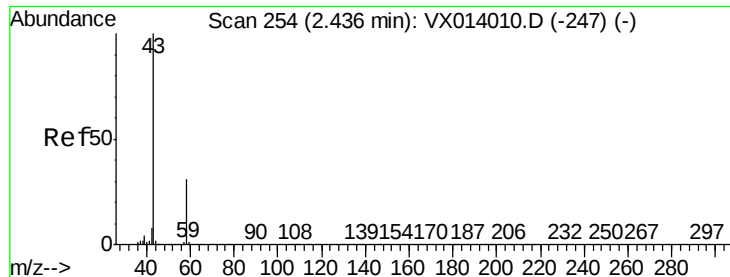


#13

Acrolein
 Concen: 0.246 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion: 56 Resp: 191
 Ion Ratio Lower Upper
 56 100
 55 196.3 56.9 85.3#





#16

Acetone

Concen: 3.132 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

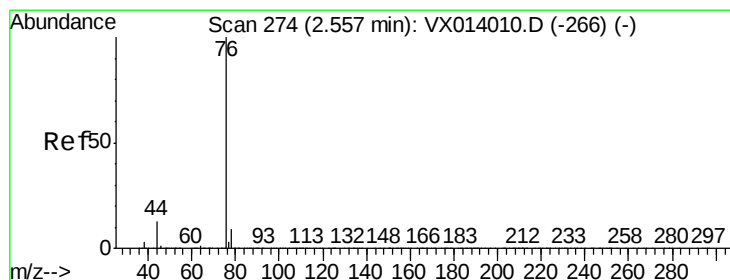
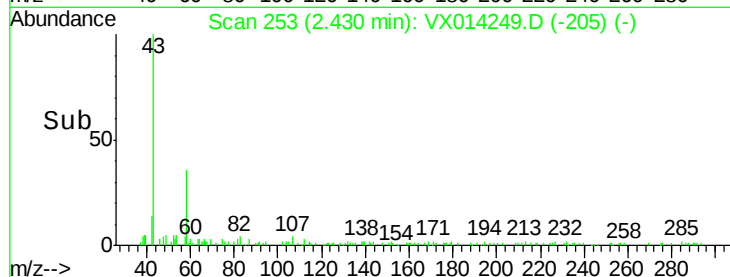
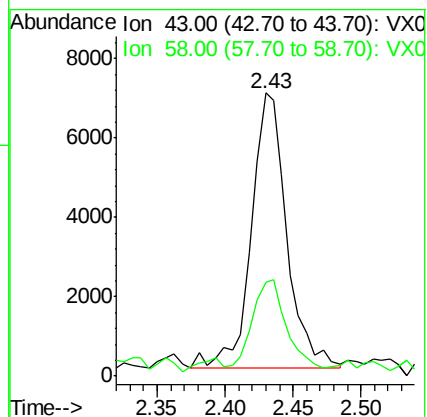
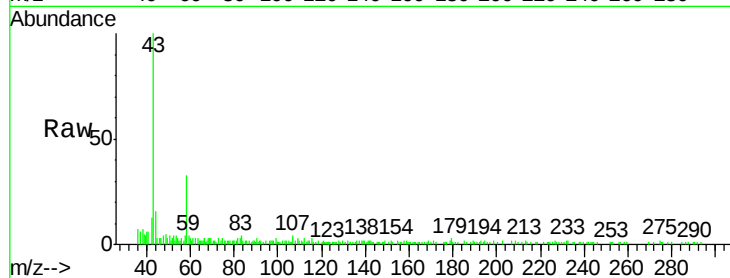
993-MW-03A-(17)

Tgt Ion: 43 Resp: 12767

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3



#17

Carbon Disulfide

Concen: 0.897 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014249.D

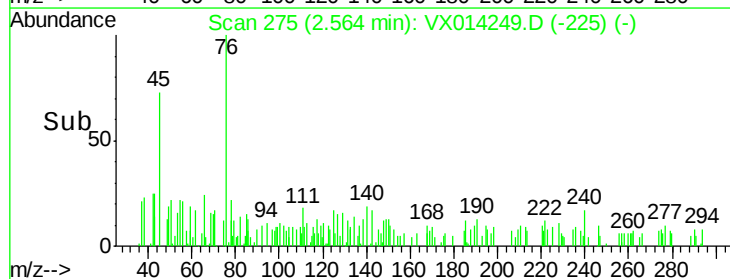
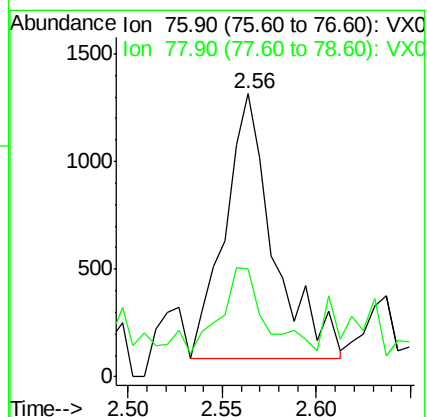
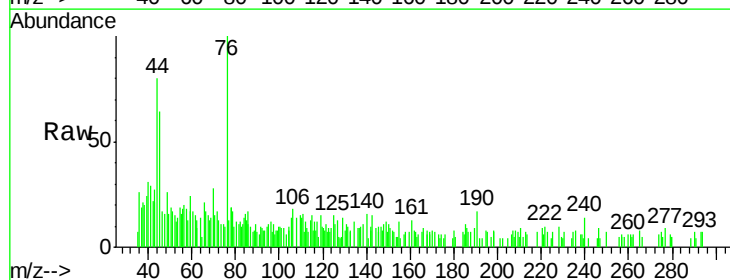
Acq: 24 Dec 2019 16:48

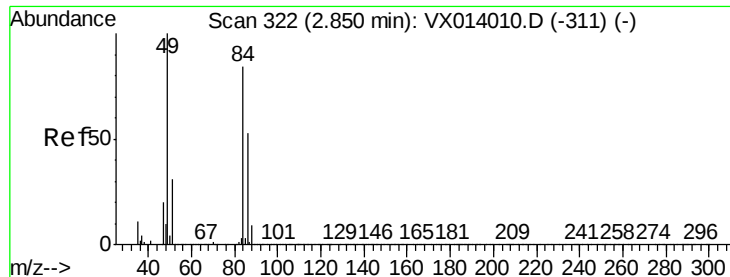
Tgt Ion: 76 Resp: 2212

Ion Ratio Lower Upper

76 100

78 52.0 7.2 10.8#

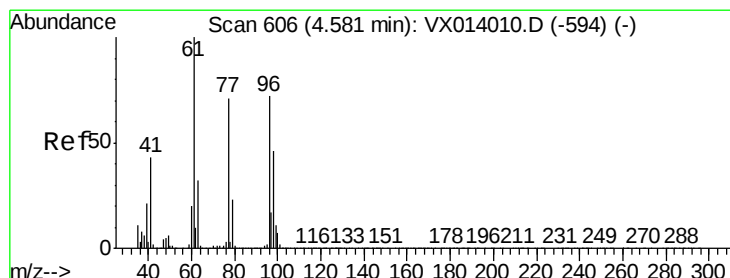
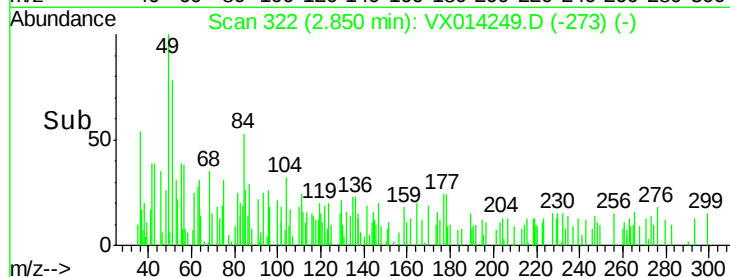
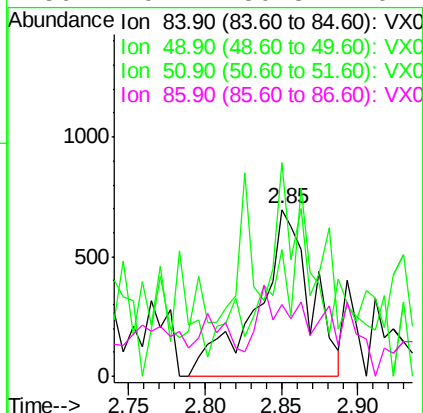
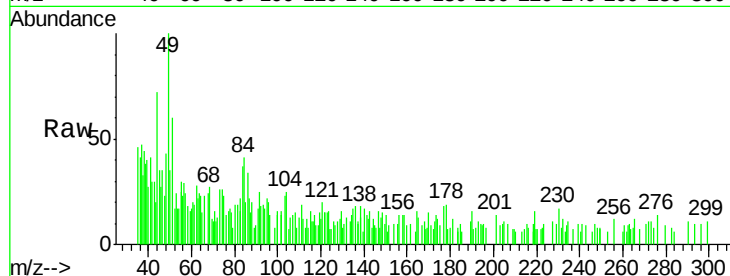




#20
Methylene Chloride
Concen: 0.261 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

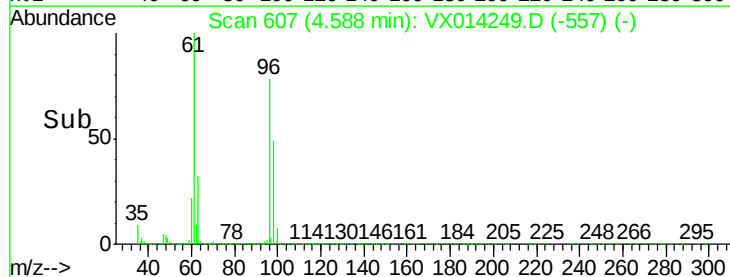
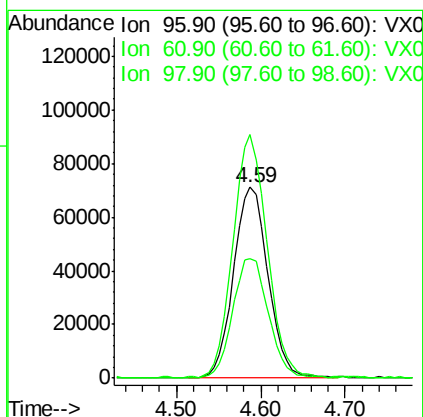
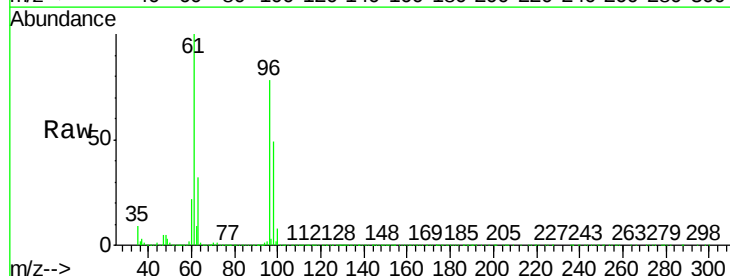
Instrument :
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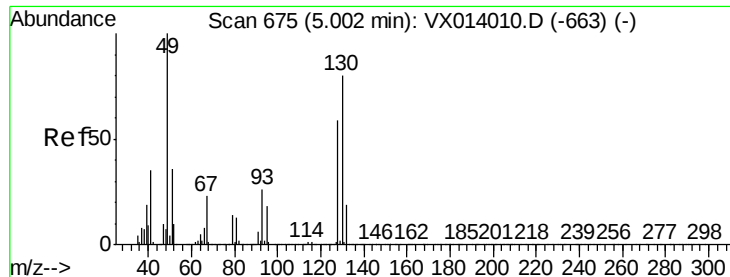
Tgt Ion: 84 Resp: 1678
Ion Ratio Lower Upper
84 100
49 119.9 95.8 143.6
51 53.7 29.8 44.8#
86 29.4 50.8 76.2#



#27
cis-1,2-Dichloroethene
Concen: 29.410 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

Tgt Ion: 96 Resp: 195298
Ion Ratio Lower Upper
96 100
61 127.9 0.0 288.4
98 65.1 0.0 129.6

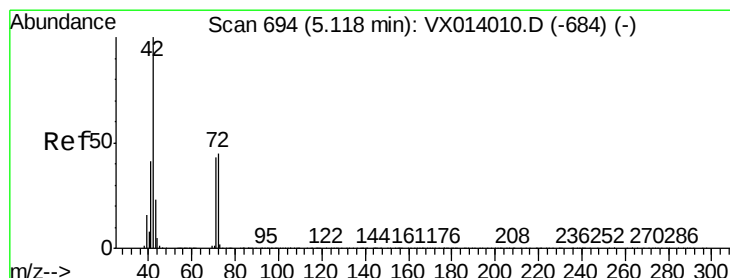
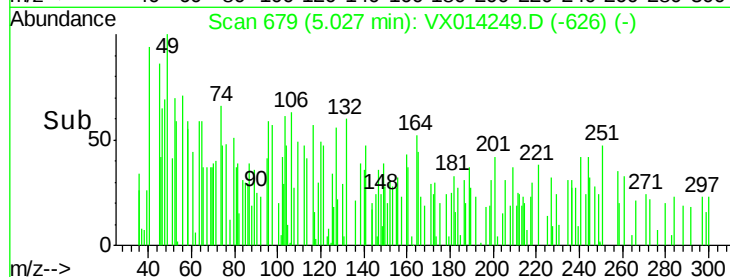
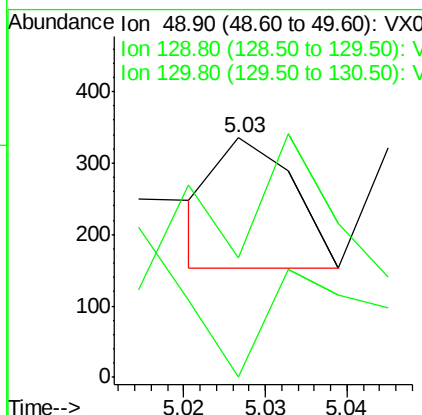
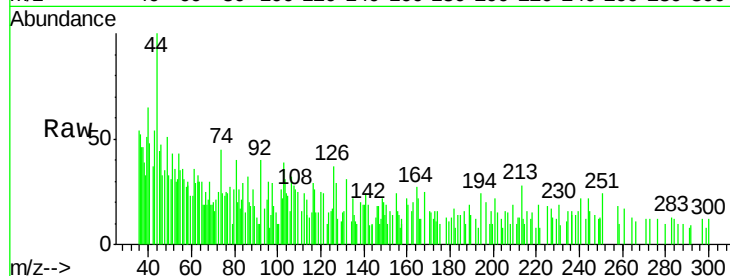




#28
Bromochloromethane
Concen: 0.482 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.02 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

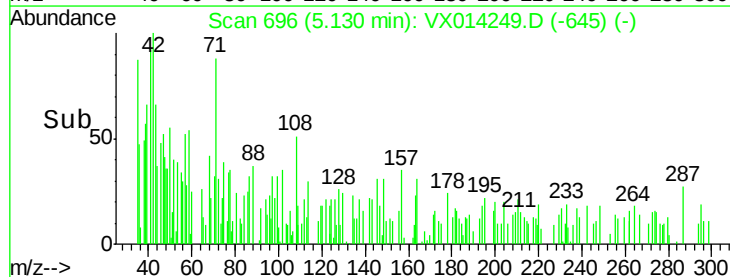
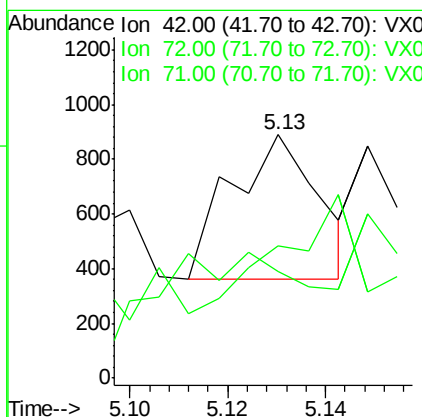
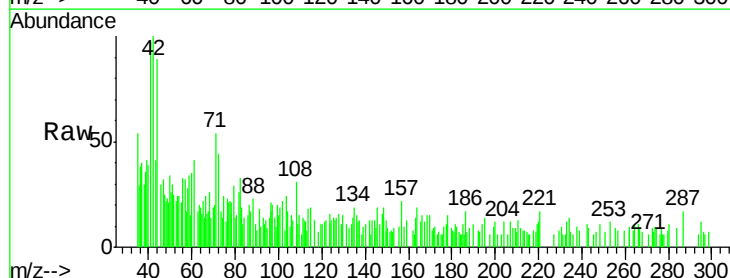
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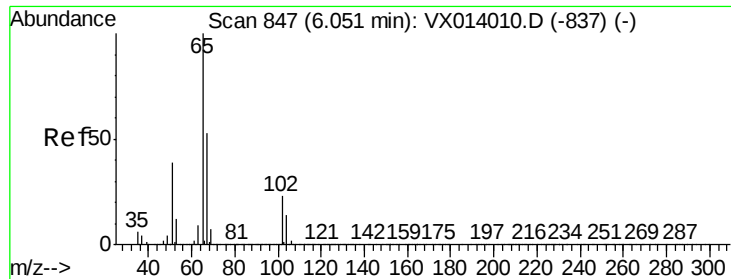
Tgt Ion: 49 Resp: 116
Ion Ratio Lower Upper
49 100
129 114.7 0.0 5.0#
130 242.2 64.6 97.0#



#29
Tetrahydrofuran
Concen: 0.233 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

Tgt Ion: 42 Resp: 654
Ion Ratio Lower Upper
42 100
72 161.6 35.8 53.8#
71 0.0 33.6 50.4#





#33

1,2-Dichloroethane-d4

Concen: 48.155 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

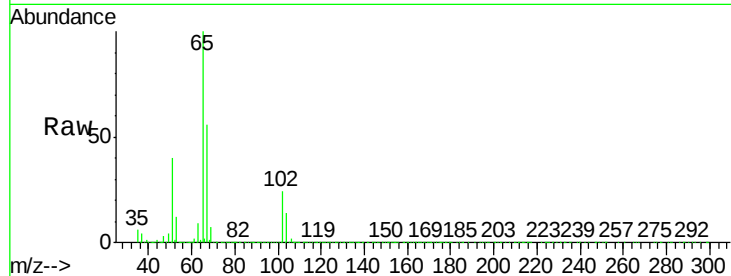
993-MW-03A-(17)

Tgt Ion: 65 Resp: 302385

Ion Ratio Lower Upper

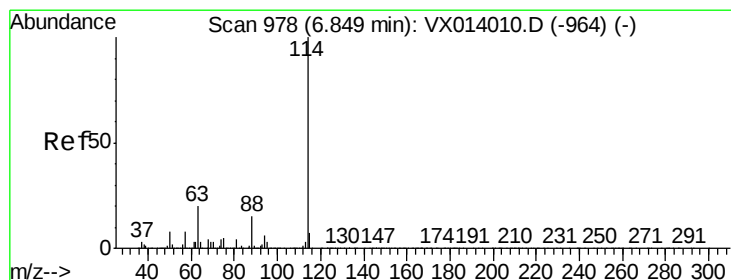
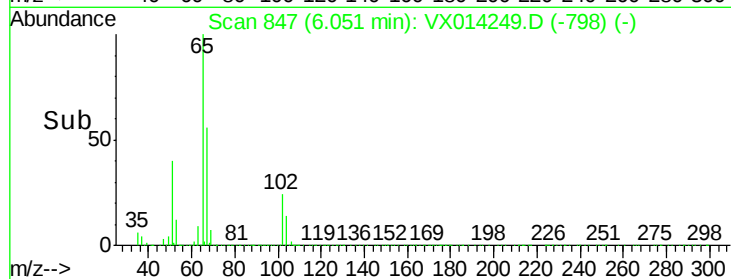
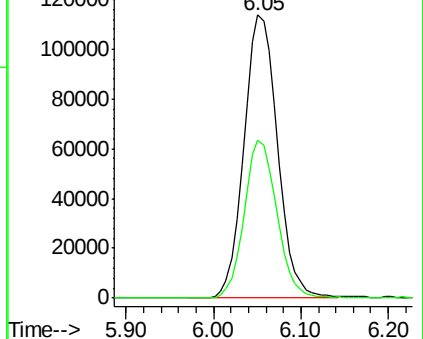
65 100

67 53.8 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: VX014249.D

Acq: 24 Dec 2019 16:48

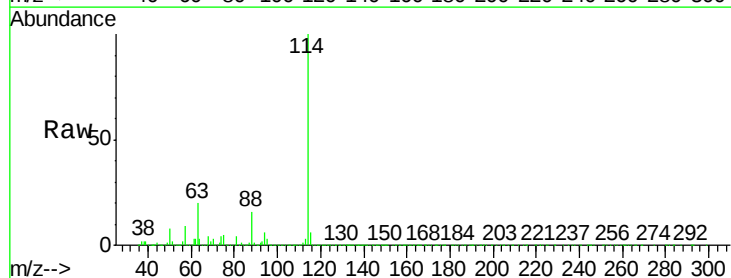
Tgt Ion: 114 Resp: 852225

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

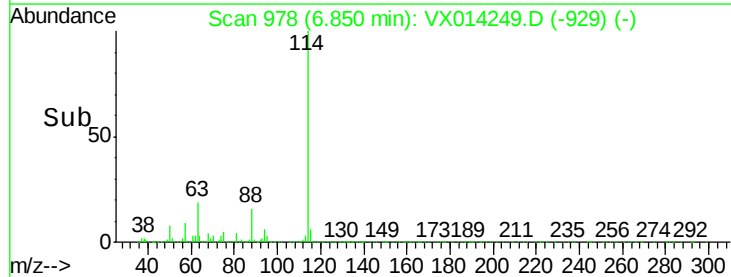
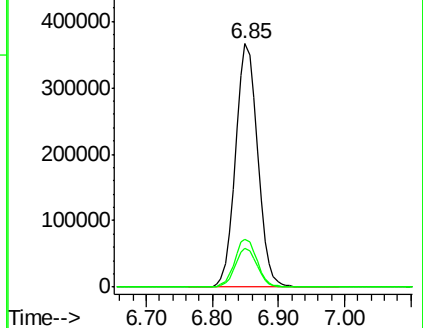
88 15.8 0.0 30.4

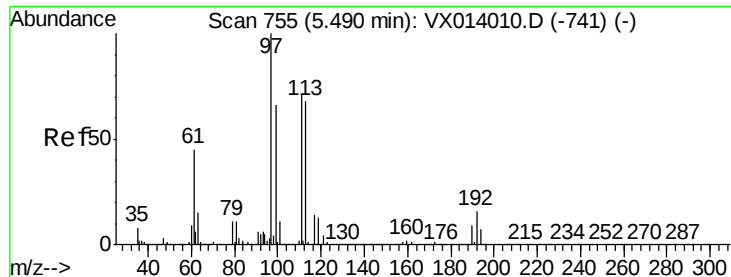


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

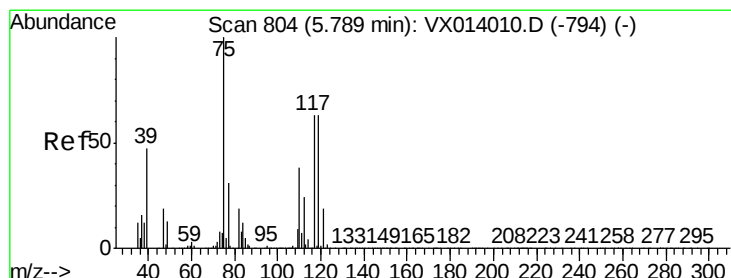
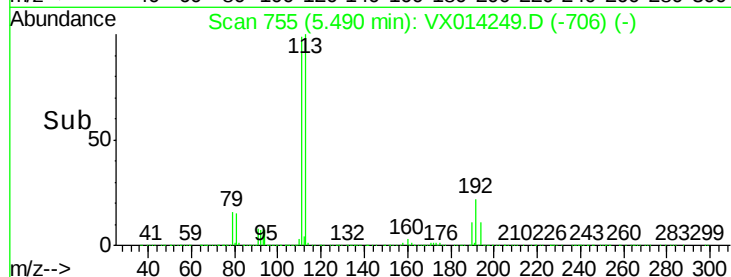
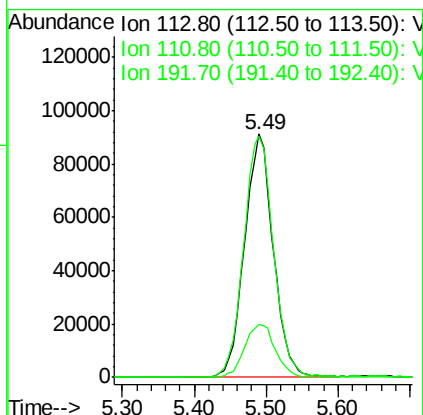
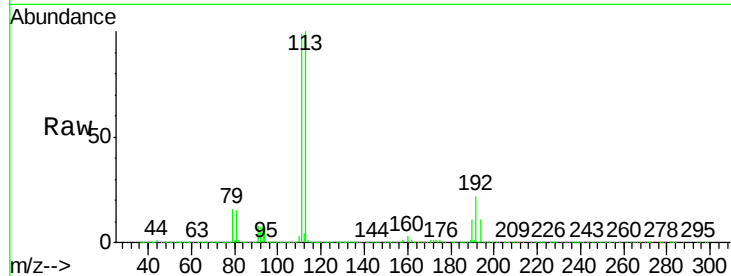




#35
 Dibromofluoromethane
 Concen: 48.666 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

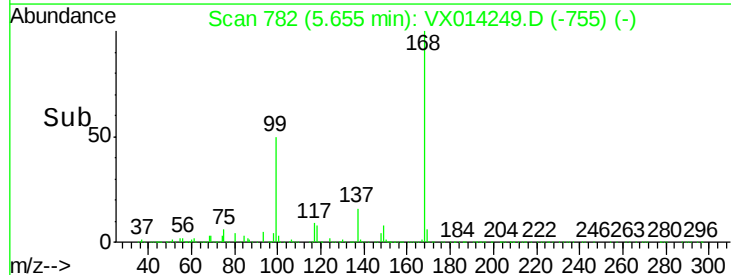
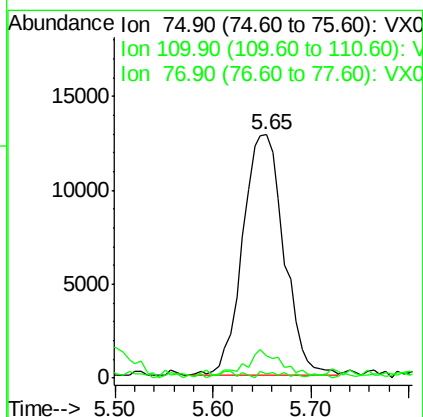
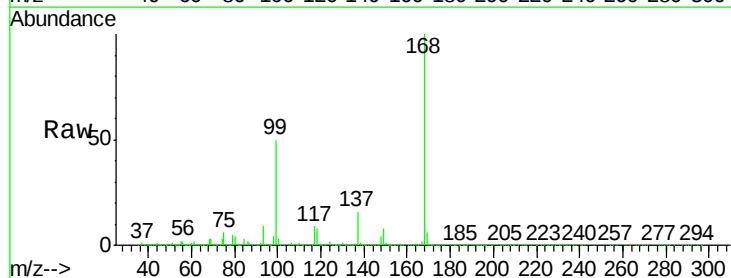
Instrument :
 MSVOA_X
 ClientSampleId :
 993-MW-03A-(17)

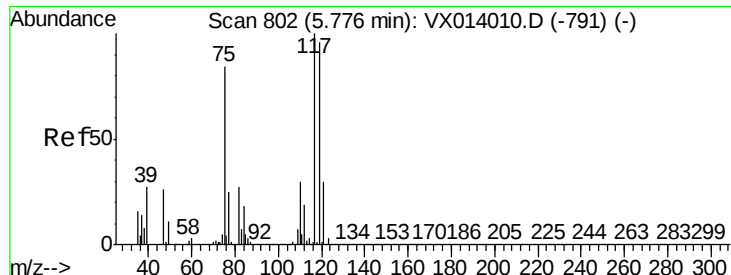
Tgt Ion:113 Resp: 252118
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.0 123.0
 192 23.5 19.3 28.9



#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014249.D
 Acq: 24 Dec 2019 16:48

Tgt Ion: 75 Resp: 37460
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.3 54.9#
 77 1.8 24.8 37.2#

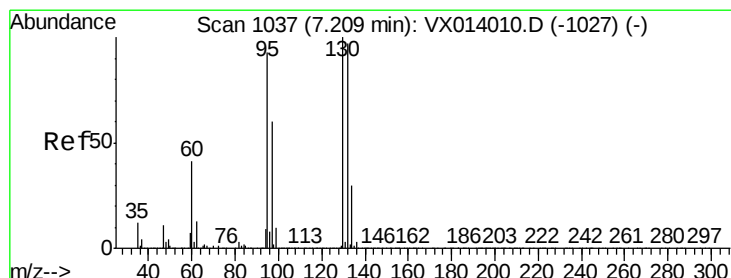
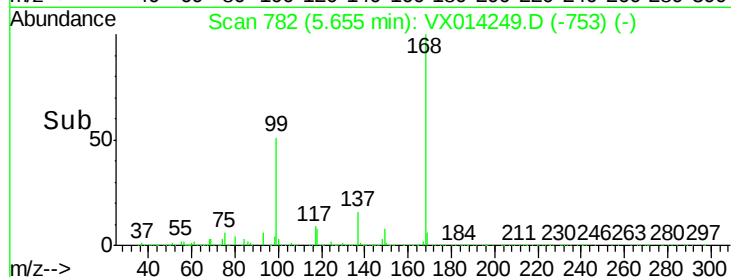
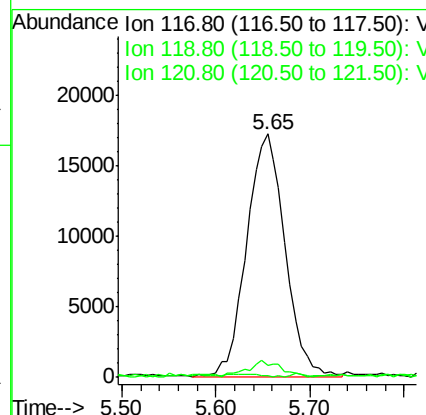
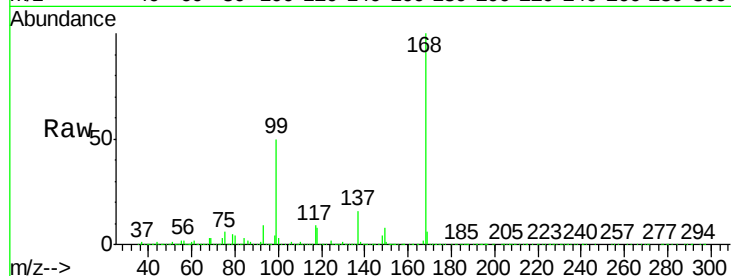




#38
Carbon Tetrachloride
Concen: 6.848 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

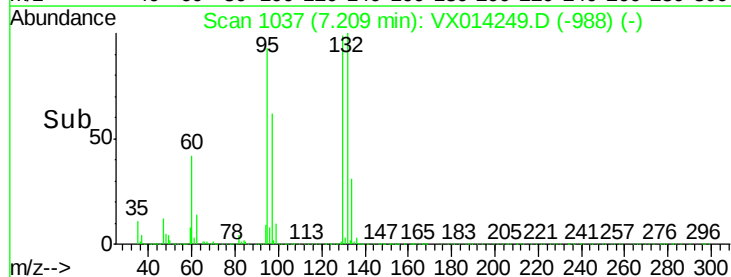
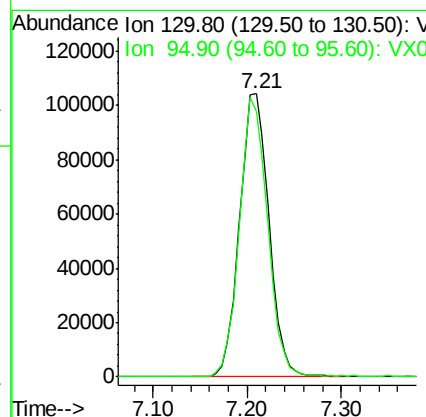
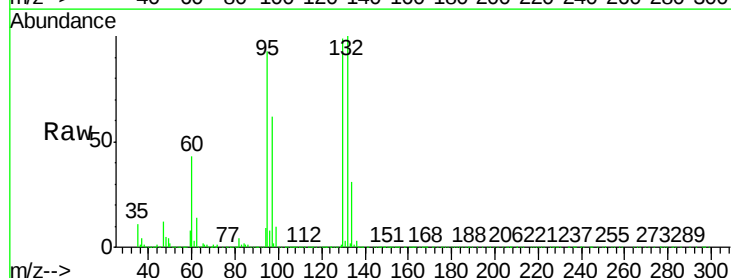
Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)

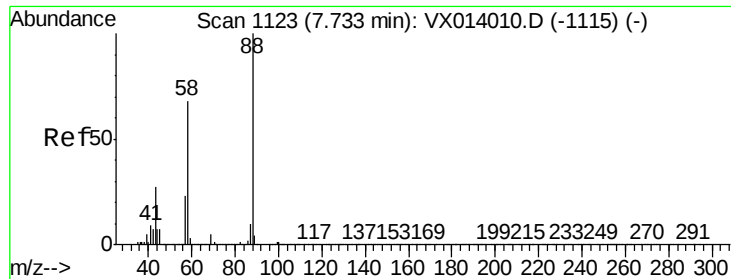
Tgt Ion:117 Resp: 48780
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.4#
121 0.0 23.6 35.4#



#44
Trichloroethene
Concen: 34.019 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

Tgt Ion:130 Resp: 226079
Ion Ratio Lower Upper
130 100
95 93.7 0.0 185.6





#49

1,4-Dioxane

Concen: 3.371 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

993-MW-03A-(17)

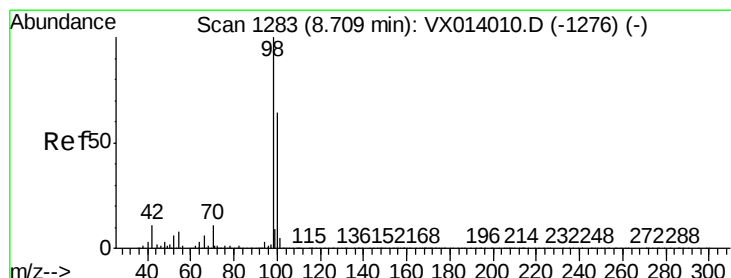
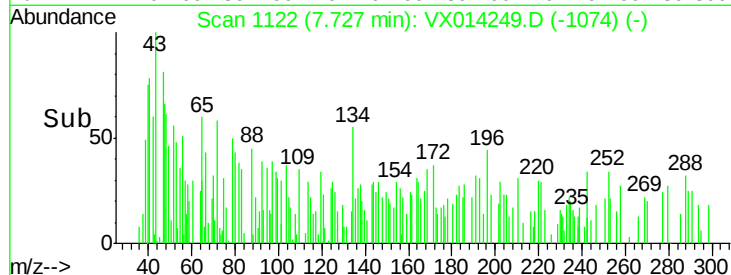
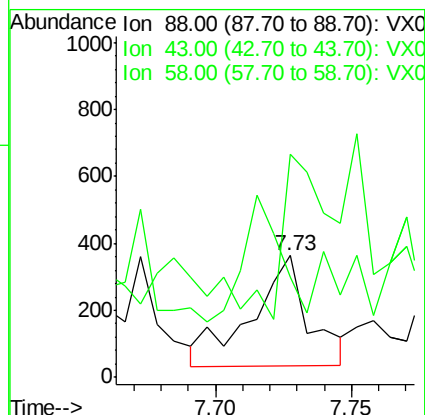
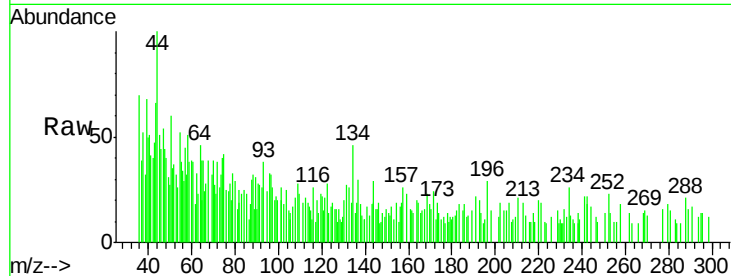
Tgt Ion: 88 Resp: 480

Ion Ratio Lower Upper

88 100

43 110.4 26.5 39.7#

58 123.3 56.8 85.2#



#50

Toluene-d8

Concen: 50.231 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014249.D

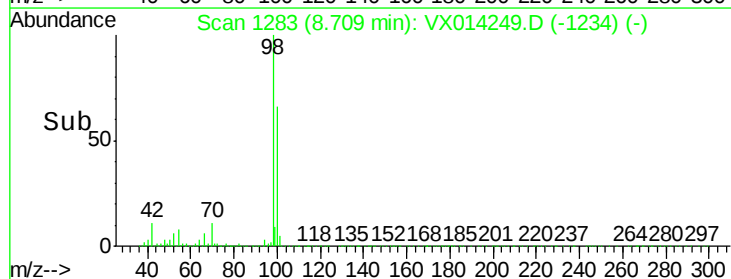
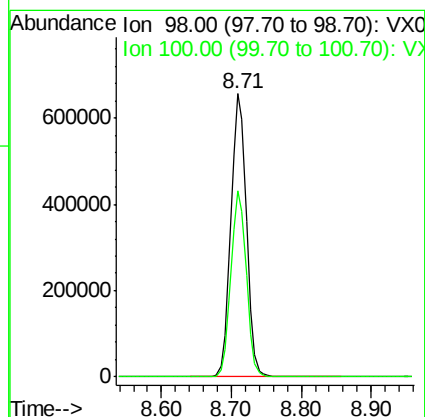
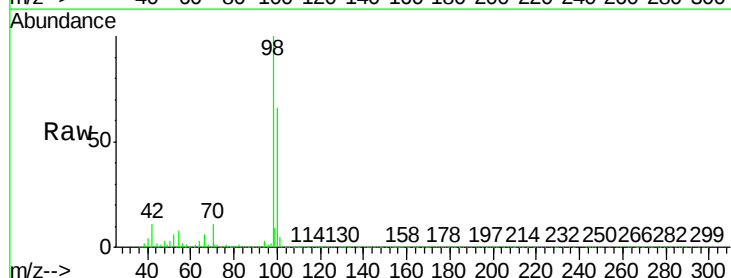
Acq: 24 Dec 2019 16:48

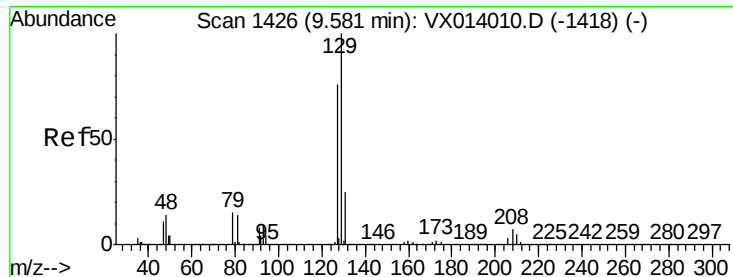
Tgt Ion: 98 Resp: 1013125

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3





#60

Dibromochloromethane

Concen: 292.261 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

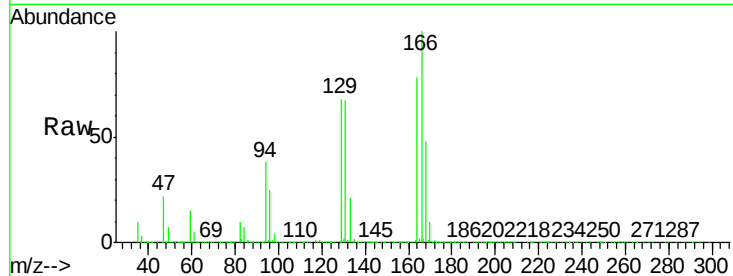
993-MW-03A-(17)

Tgt Ion:129 Resp: 1770675

Ion Ratio Lower Upper

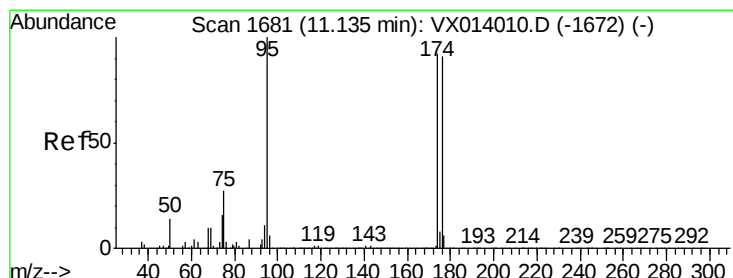
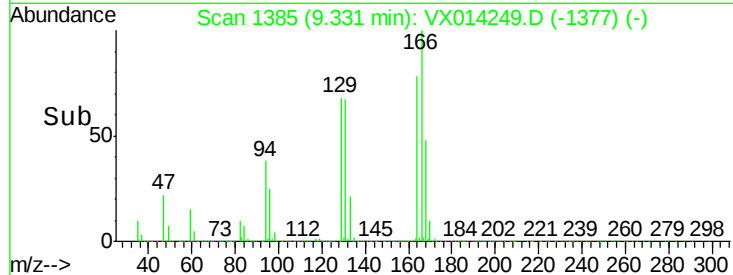
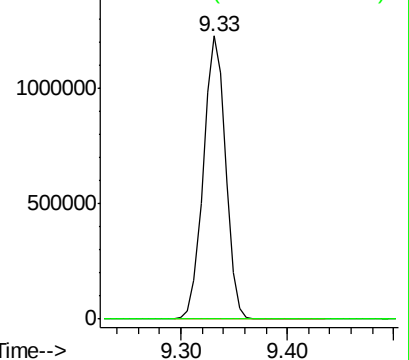
129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.475 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

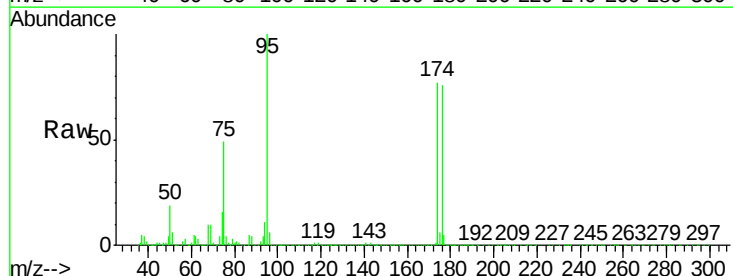
Tgt Ion: 95 Resp: 342652

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.8

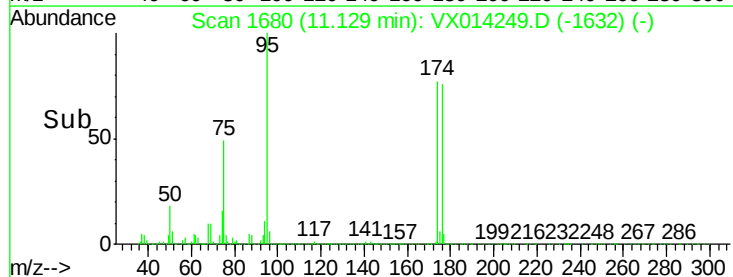
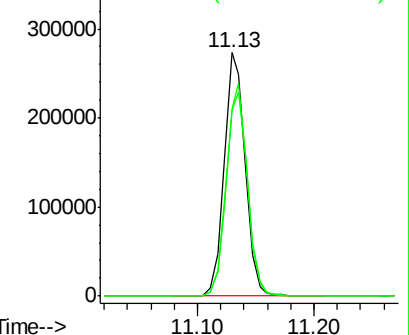
176 85.6 0.0 173.0

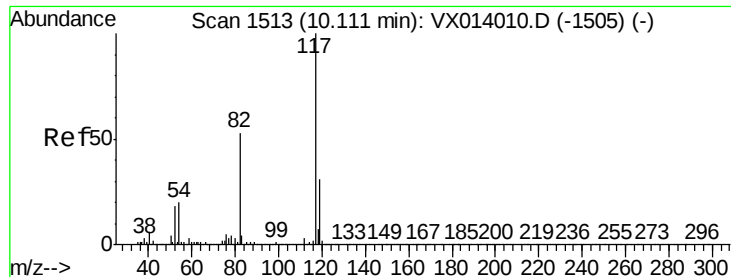


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

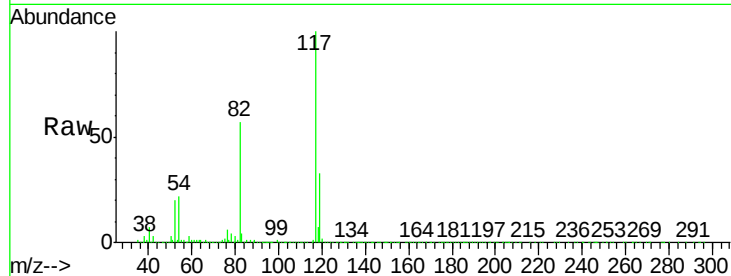




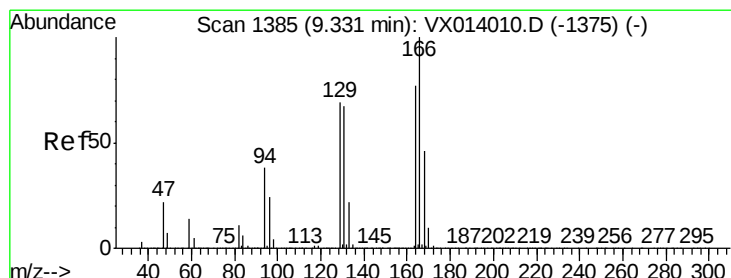
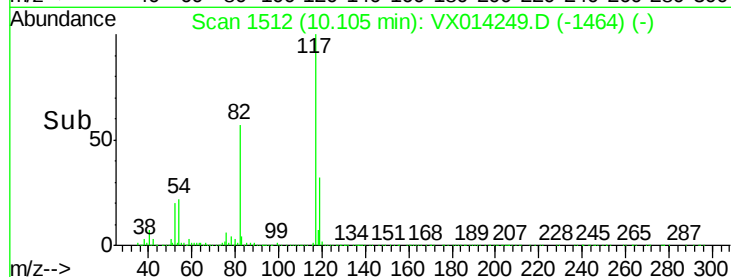
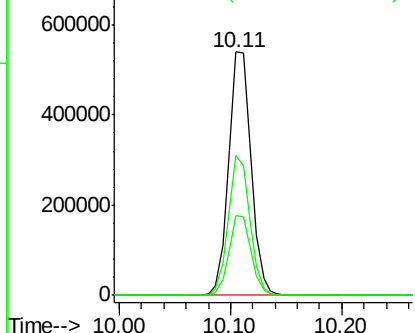
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
993-MW-03A-(17)

Tgt Ion:117 Resp: 755465
Ion Ratio Lower Upper
117 100
82 57.4 42.2 63.4
119 32.5 25.1 37.7

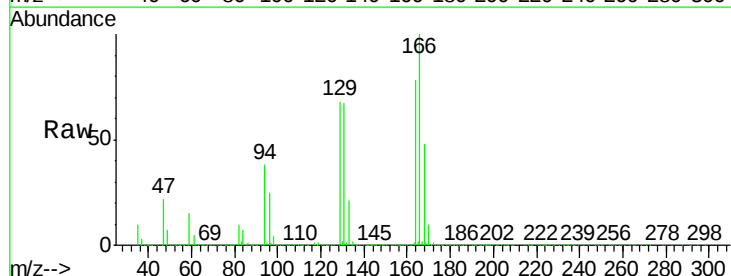


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

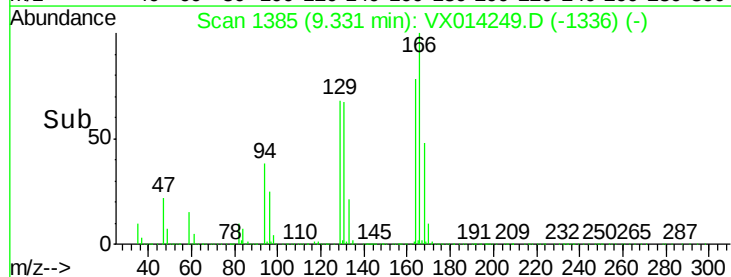
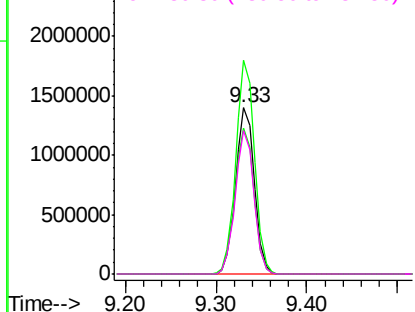


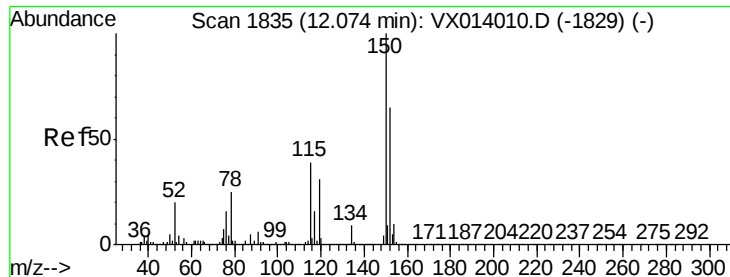
#64
Tetrachloroethene
Concen: 299.969 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014249.D
Acq: 24 Dec 2019 16:48

Tgt Ion:164 Resp: 2005269
Ion Ratio Lower Upper
164 100
166 128.6 104.0 156.0
129 87.7 72.2 108.4
131 86.5 69.6 104.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

993-MW-03A-(17)

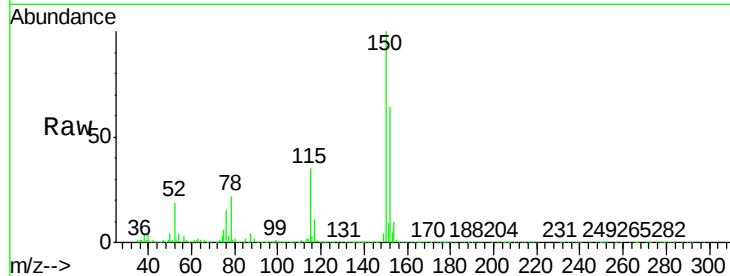
Tgt Ion: 152 Resp: 335833

Ion Ratio Lower Upper

152 100

115 56.2 38.3 114.9

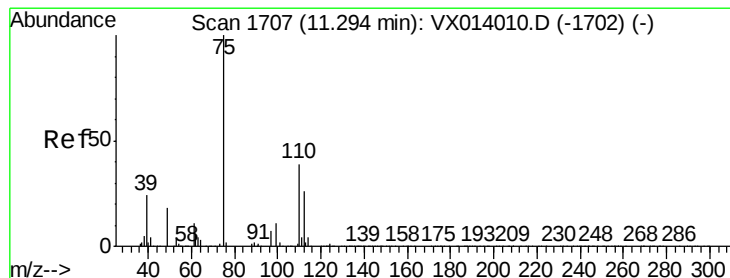
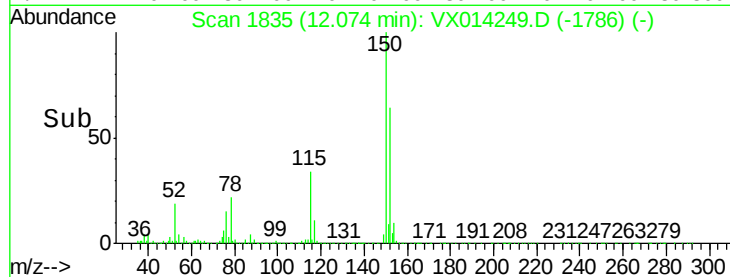
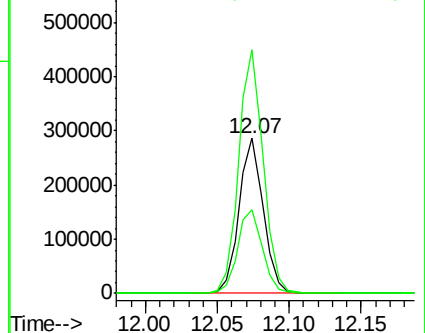
150 159.1 0.0 345.4



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: 22.893 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014249.D

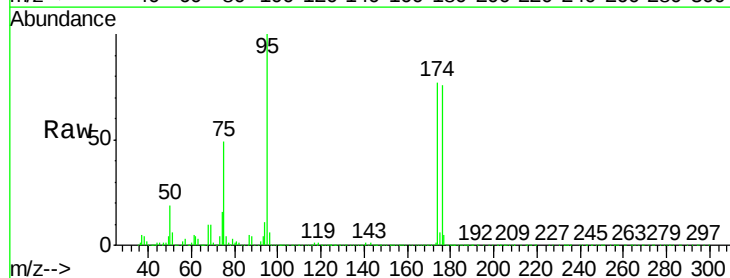
Acq: 24 Dec 2019 16:48

Tgt Ion: 75 Resp: 166907

Ion Ratio Lower Upper

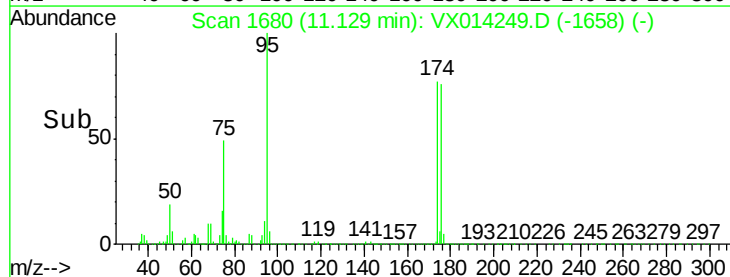
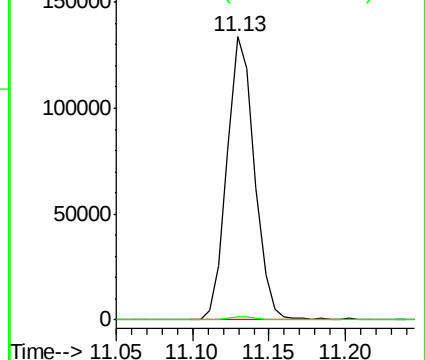
75 100

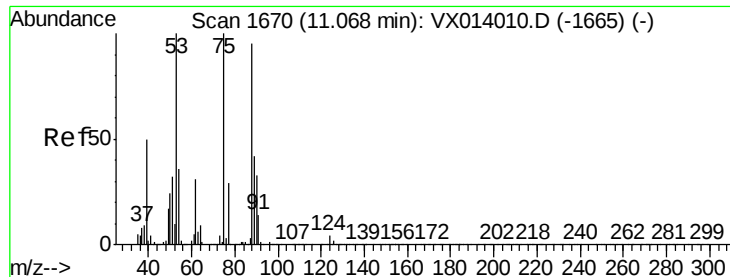
77 1.8 19.3 57.8#



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: 64.615 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

993-MW-03A-(17)

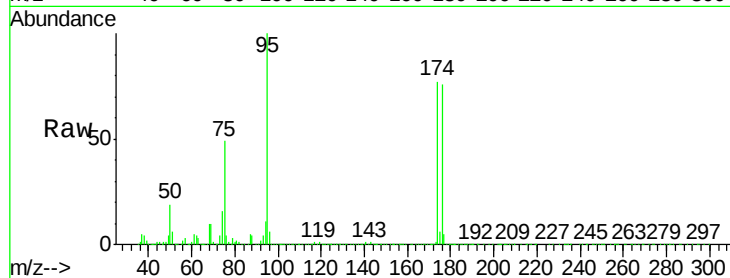
Tgt Ion: 75 Resp: 166907

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.2 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

