

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX093019\
 Data File : VX012701.D
 Acq On : 30 Sep 2019 13:35
 Operator : JC/SP
 Sample : K5081-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-MW09I-20190925

Quant Time: Oct 01 03:46:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	123505	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	5.49	113	90389	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	8.71	98	353252	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.14	95	120998	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	

Target Compounds

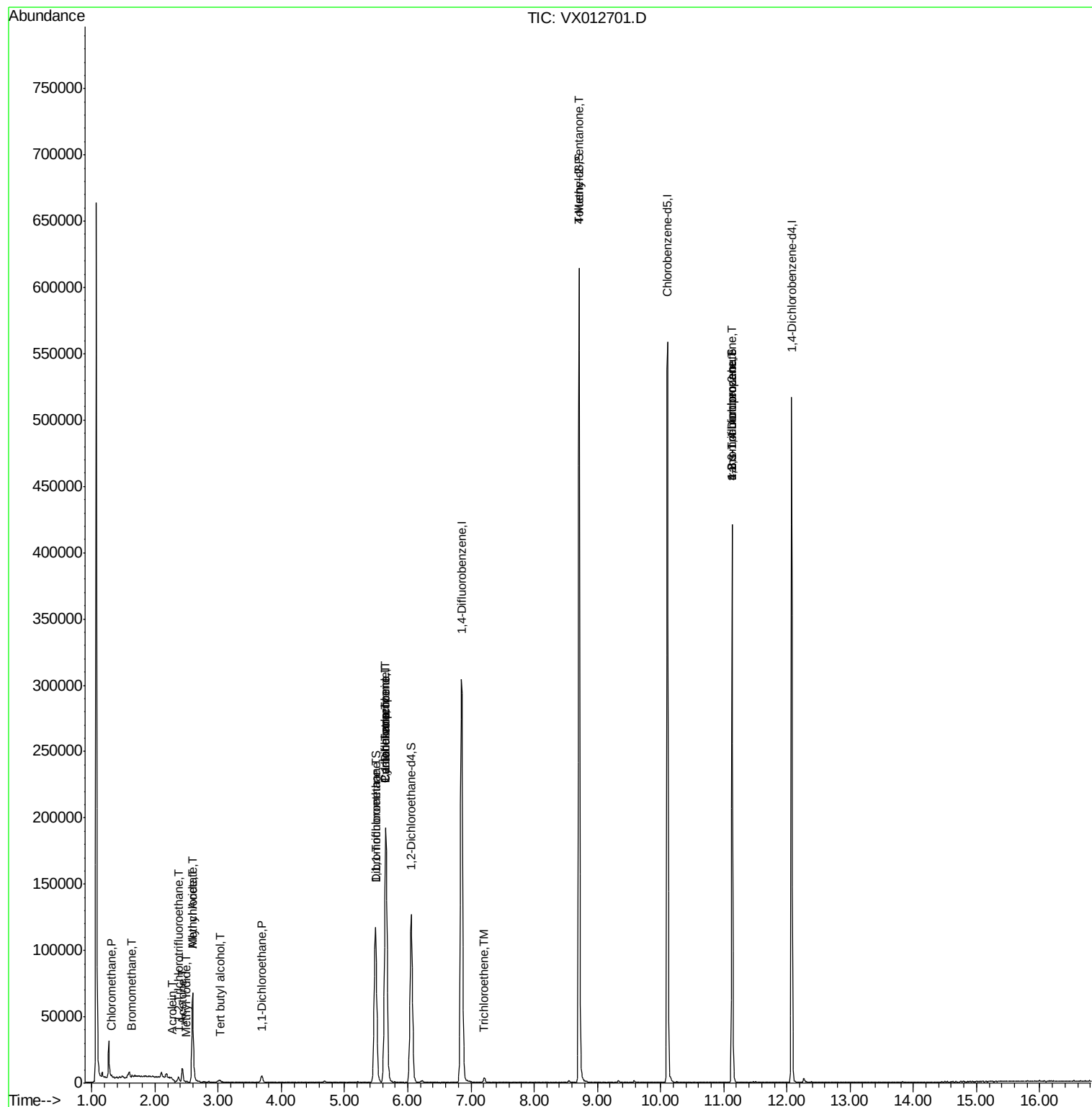
					Qvalue
3) Chloromethane	1.32	50	778	0.344 ug/l #	74
5) Bromomethane	1.64	94	421	0.477 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1225	0.638 ug/l	93
10) Methyl Iodide	2.50	142	259	5.068 ug/l #	59
11) Tert butyl alcohol	3.02	59	1472	2.313 ug/l #	83
13) Acrolein	2.28	56	95	10.490 ug/l #	1
14) Allyl chloride	2.59	41	6585	1.765 ug/l #	60
16) Acetone	2.43	43	11641	8.628 ug/l	97
18) Methyl Acetate	2.59	43	17541	5.522 ug/l #	54
24) 1,1-Dichloroethane	3.69	63	5586	1.425 ug/l	98
31) Cyclohexane	5.65	56	3911	1.103 ug/l #	1
32) 1,1,1-Trichloroethane	5.48	97	11843	3.333 ug/l	98
36) 1,1-Dichloropropene	5.65	75	15132	5.198 ug/l #	52
38) Carbon Tetrachloride	5.65	117	18657	6.309 ug/l #	16
44) Trichloroethene	7.21	130	1409	0.644 ug/l	99
51) 4-Methyl-2-Pentanone	8.71	43	1811	0.515 ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61082	23.531 ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61082	67.435 ug/l #	8

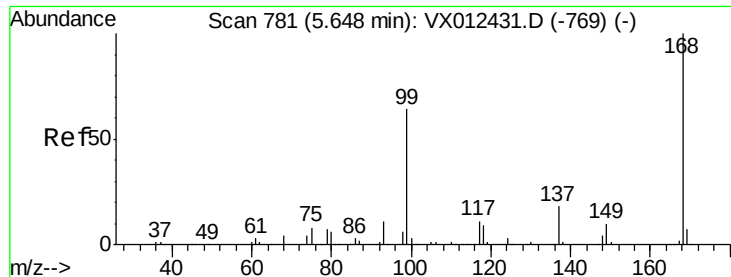
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

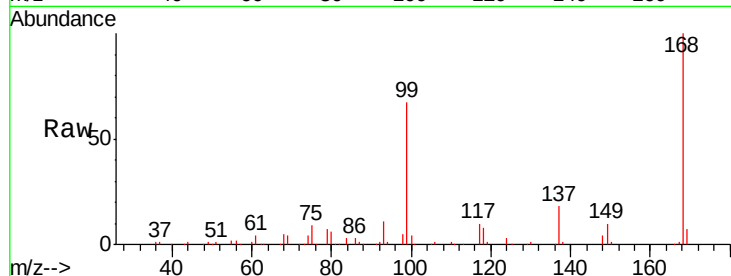
FT-MW09I-20190925

Tgt Ion: 168 Resp: 174917

Ion Ratio Lower Upper

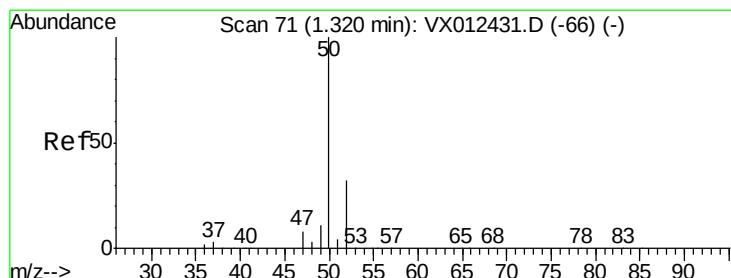
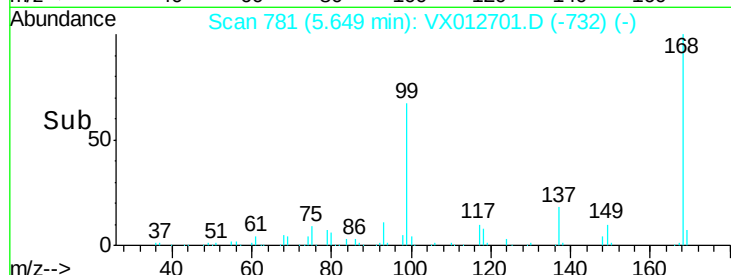
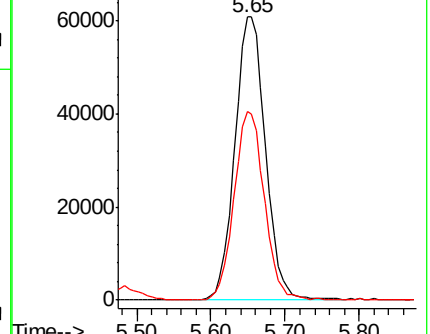
168 100

99 66.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.344 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012701.D

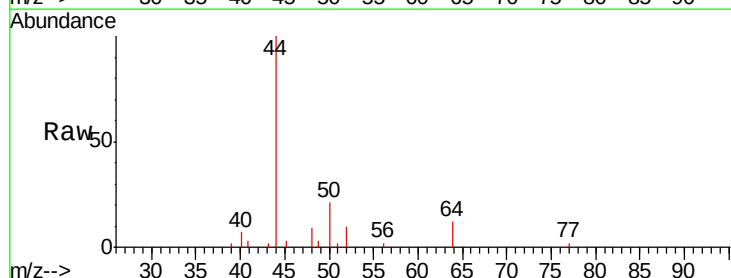
Acq: 30 Sep 2019 13:35

Tgt Ion: 50 Resp: 778

Ion Ratio Lower Upper

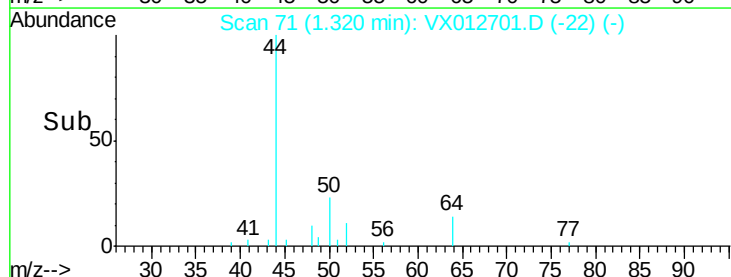
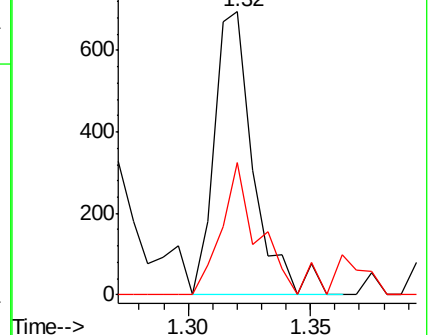
50 100

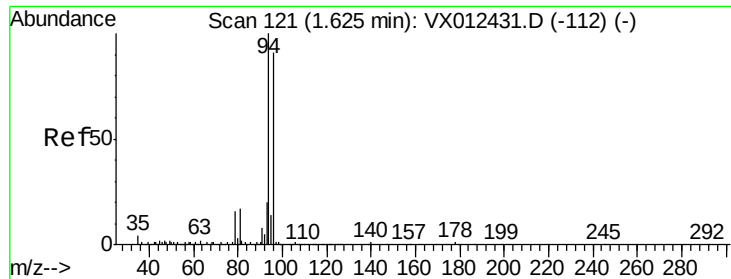
52 46.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.477 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

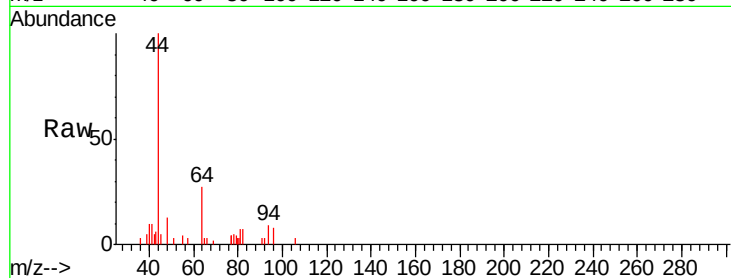
FT-MW09I-20190925

Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

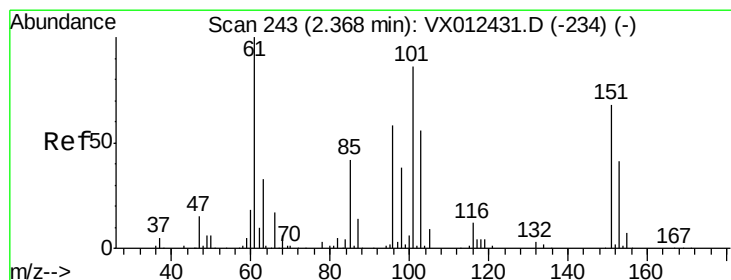
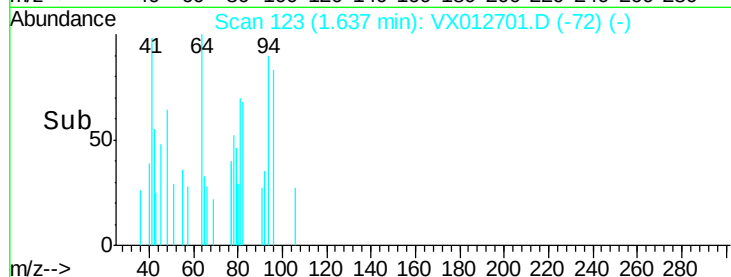
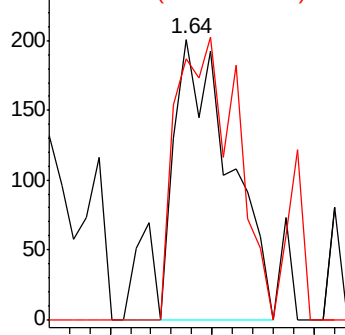
94 100

96 93.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.638 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

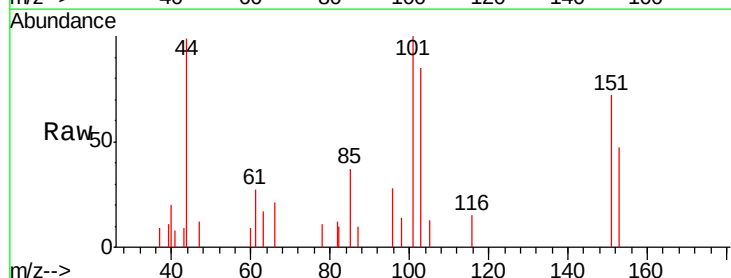
Tgt Ion: 101 Resp: 1225

Ion Ratio Lower Upper

101 100

85 51.3 37.3 55.9

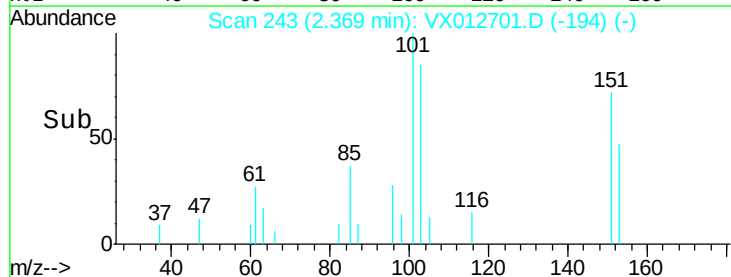
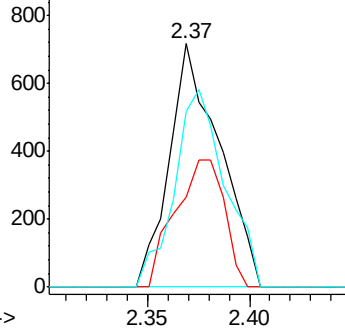
151 82.2 61.0 91.4

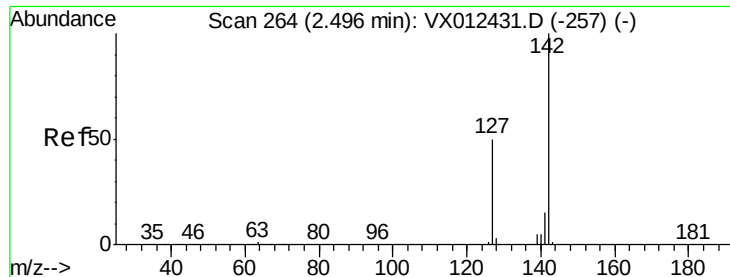


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

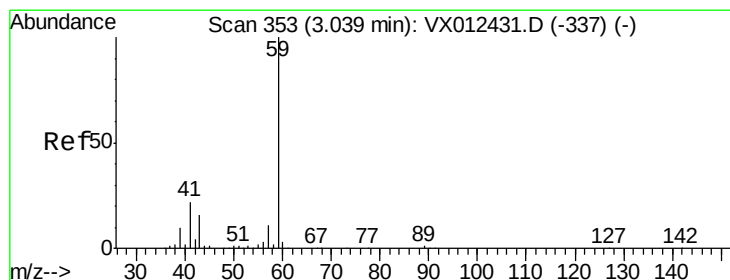
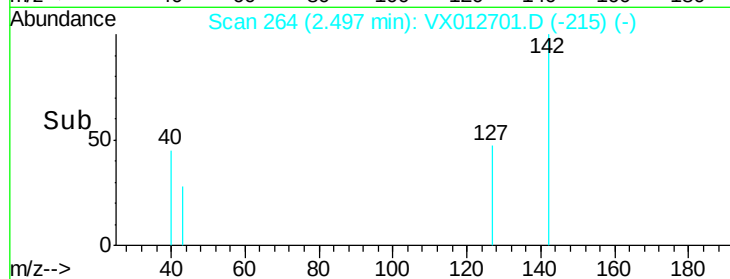
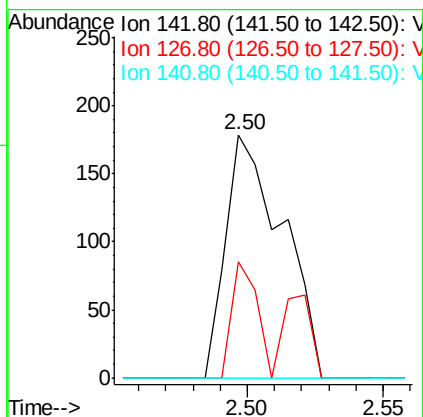
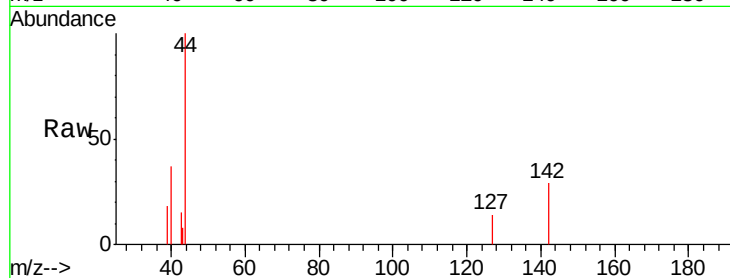




#10
Methyl Iodide
Concen: 5.068 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012701.D
Acq: 30 Sep 2019 13:35

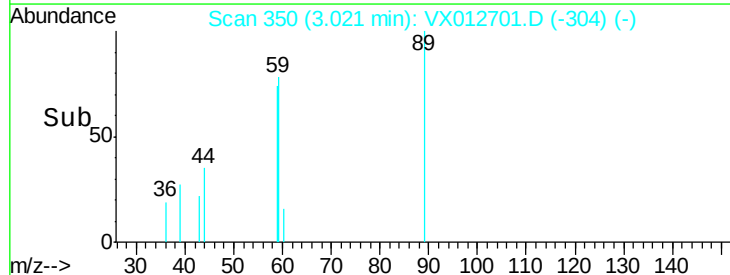
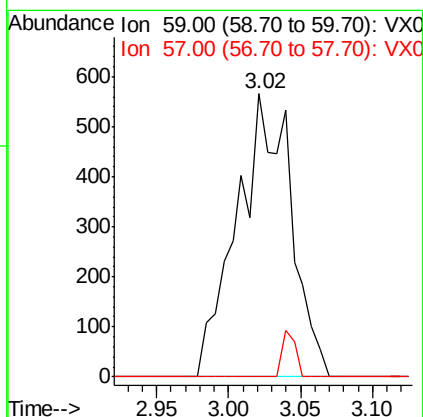
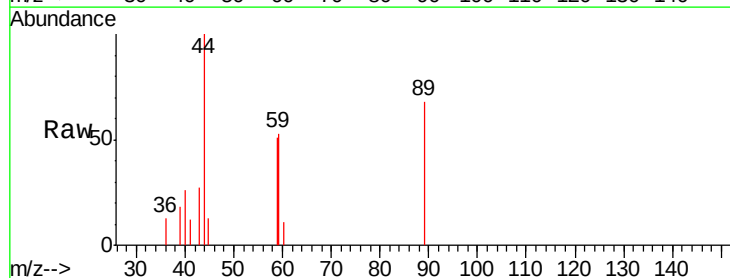
Instrument :
MSVOA_X
ClientSampleId :
FT-MW09I-20190925

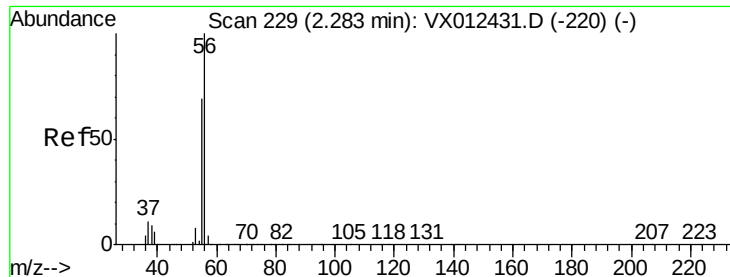
Tgt Ion: 142 Resp: 259
Ion Ratio Lower Upper
142 100
127 21.2 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 2.313 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012701.D
Acq: 30 Sep 2019 13:35

Tgt Ion: 59 Resp: 1472
Ion Ratio Lower Upper
59 100
57 4.0 8.3 12.5#





#13

Acrolein

Concen: 10.490 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

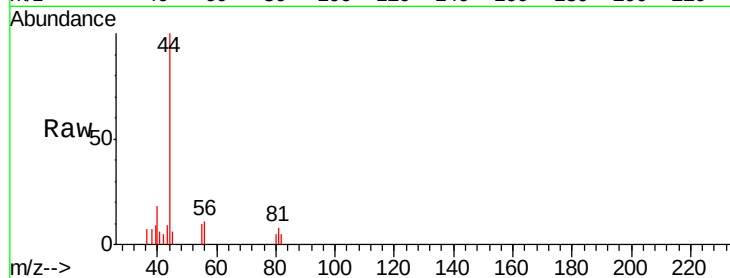
FT-MW09I-20190925

Tgt Ion: 56 Resp: 95

Ion Ratio Lower Upper

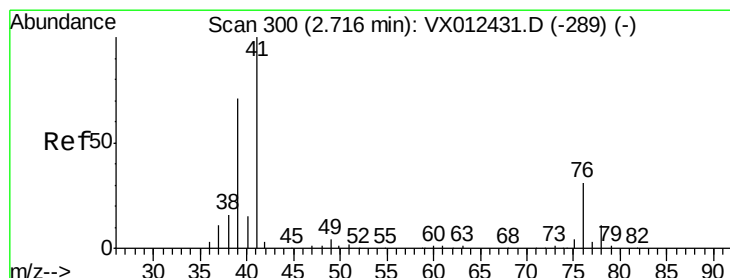
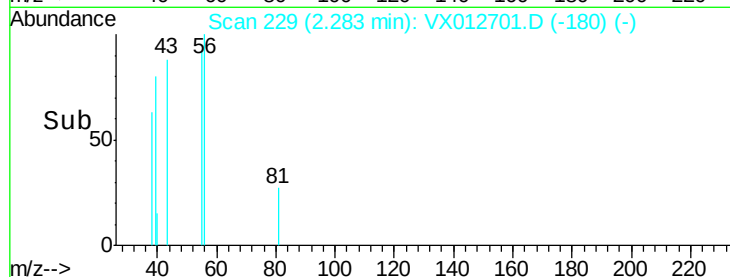
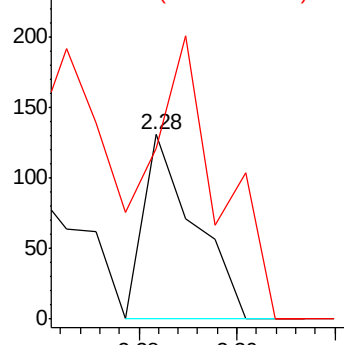
56 100

55 189.5 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.765 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.13 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

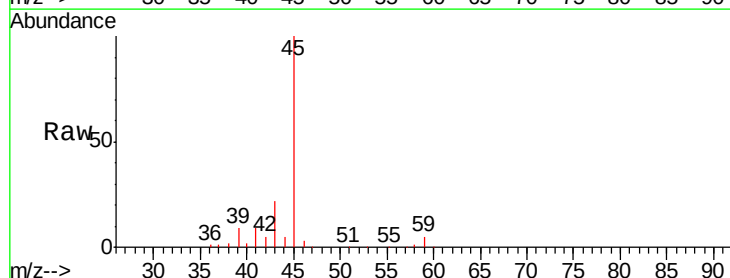
Tgt Ion: 41 Resp: 6585

Ion Ratio Lower Upper

41 100

39 91.0 51.3 76.9#

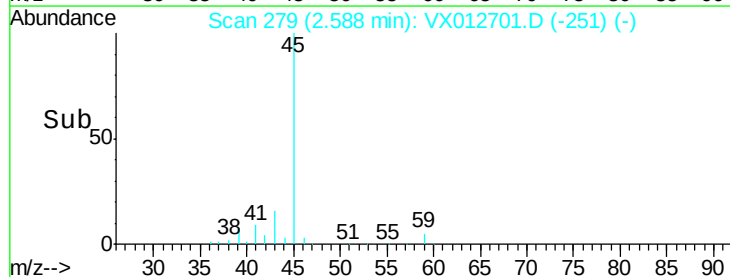
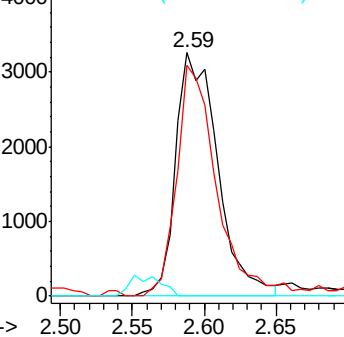
76 0.0 22.6 33.8#

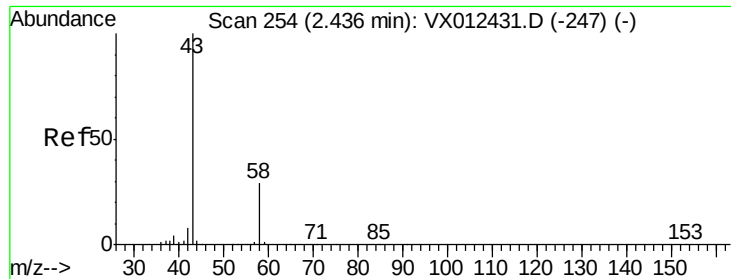


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 8.628 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

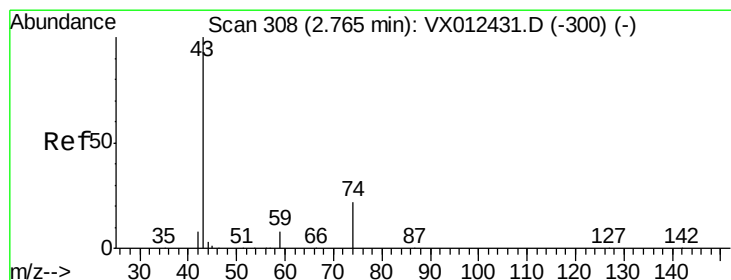
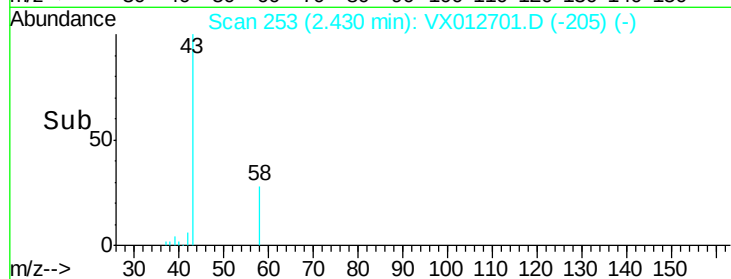
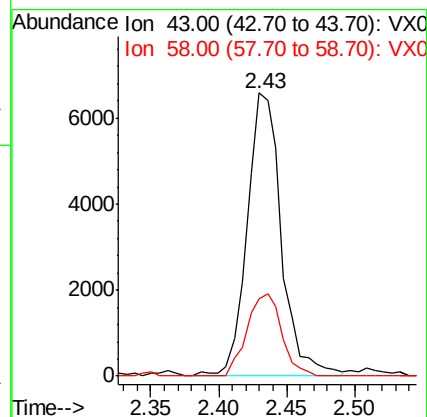
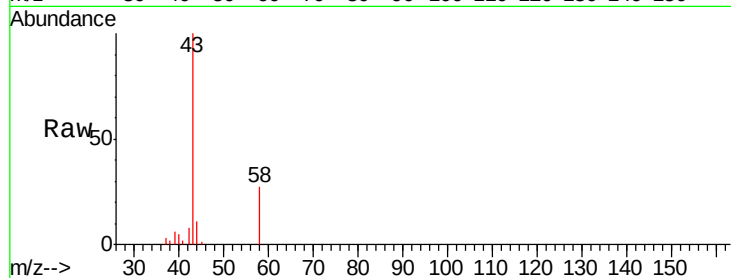
FT-MW09I-20190925

Tgt Ion: 43 Resp: 11641

Ion Ratio Lower Upper

43 100

58 27.3 23.3 34.9



#18

Methyl Acetate

Concen: 5.522 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012701.D

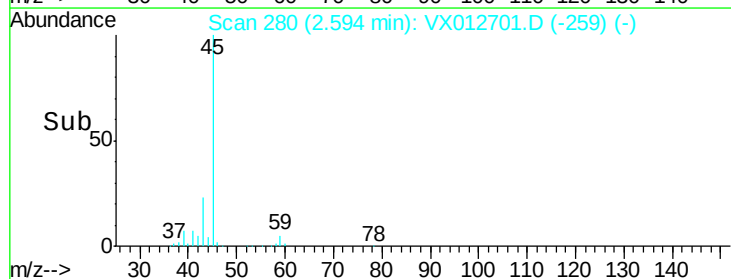
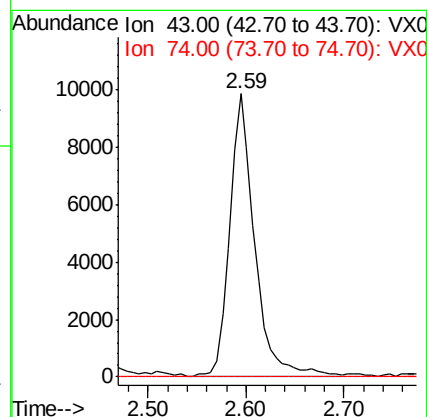
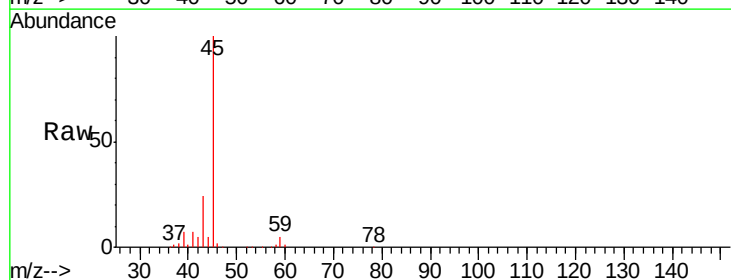
Acq: 30 Sep 2019 13:35

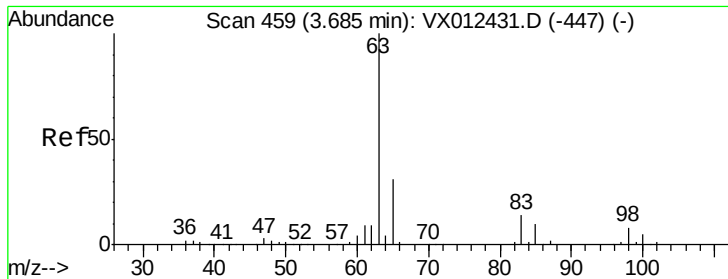
Tgt Ion: 43 Resp: 17541

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#24

1,1-Dichloroethane

Concen: 1.425 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

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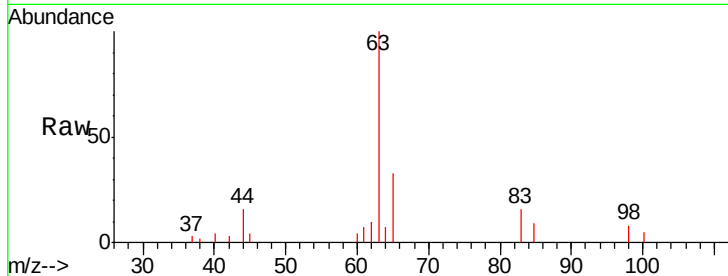
Tgt Ion: 63 Resp: 5586

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.7

100 5.3 2.3 6.9

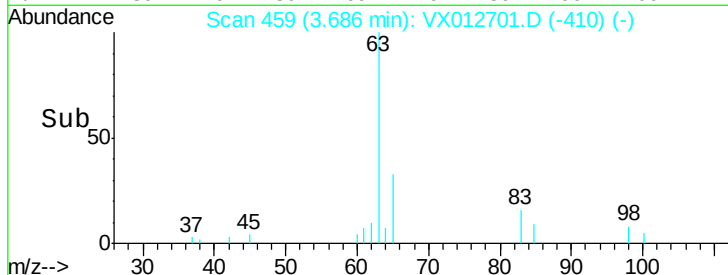


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

Time-->



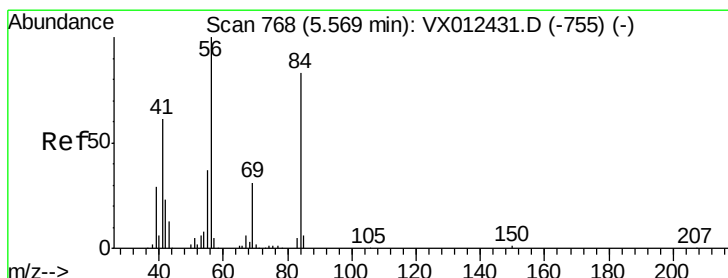
Abundance

Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

Time-->



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

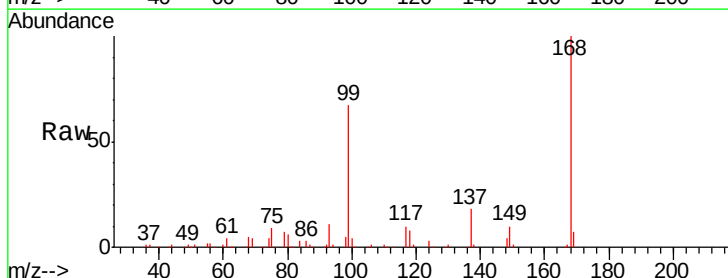
Tgt Ion: 56 Resp: 3911

Ion Ratio Lower Upper

56 100

69 175.0 25.0 37.6#

84 133.0 66.4 99.6#

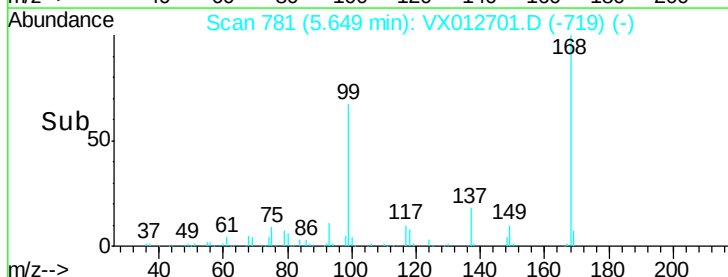


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->



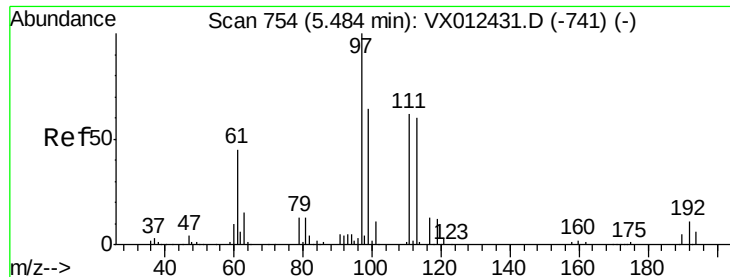
Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->



#32

1,1,1-Trichloroethane

Concen: 3.333 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

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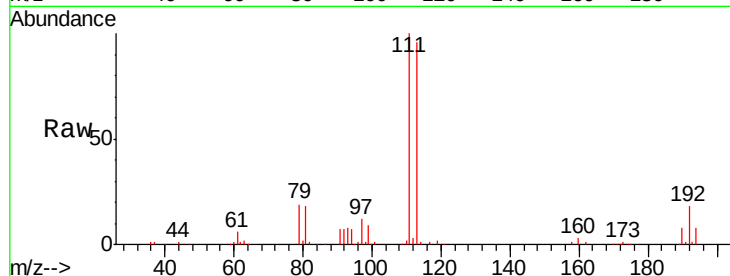
Tgt Ion: 97 Resp: 11843

Ion Ratio Lower Upper

97 100

99 66.5 51.3 76.9

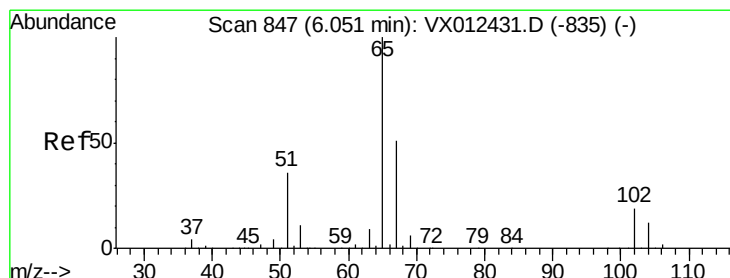
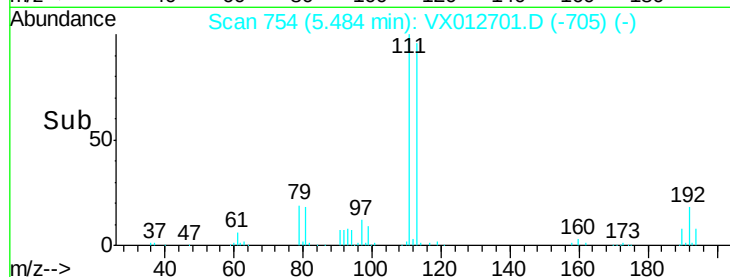
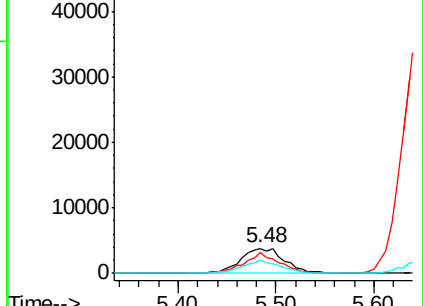
61 46.1 36.1 54.1



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.488 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012701.D

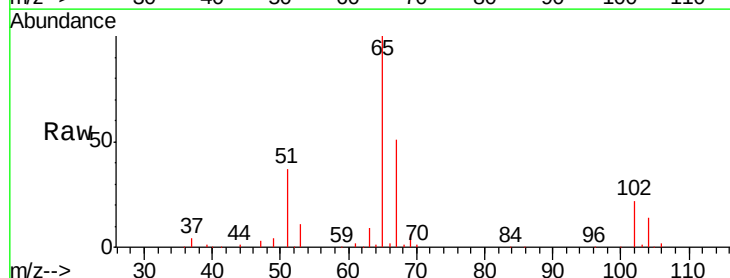
Acq: 30 Sep 2019 13:35

Tgt Ion: 65 Resp: 123505

Ion Ratio Lower Upper

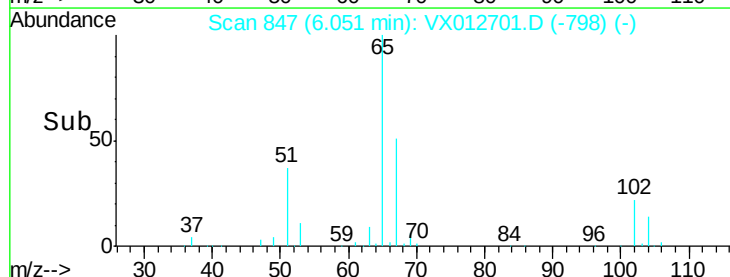
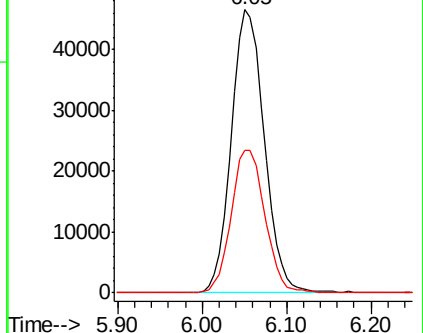
65 100

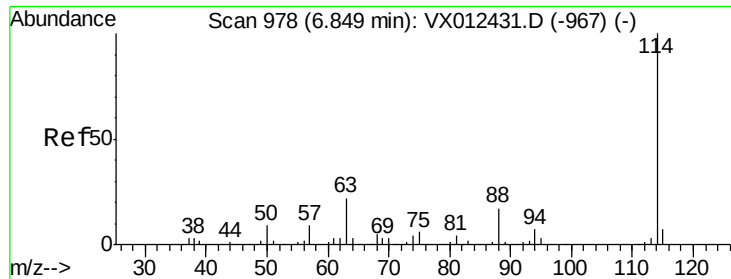
67 51.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

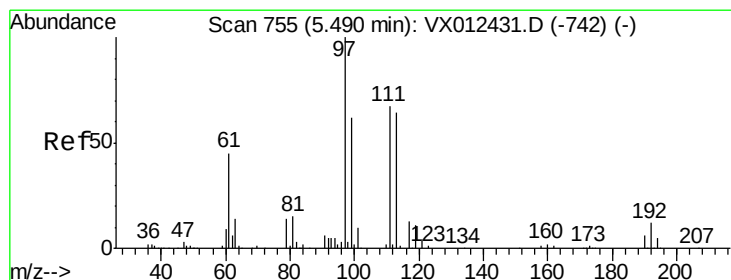
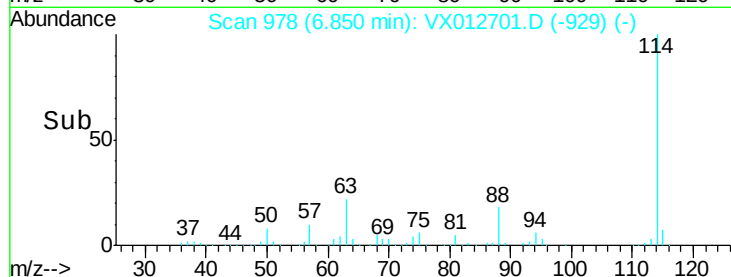
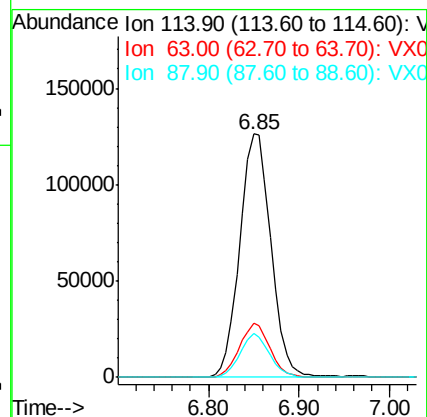
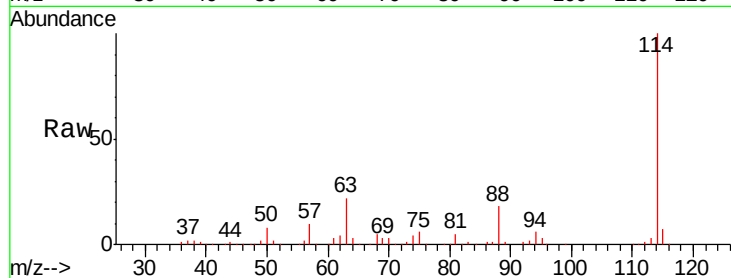




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012701.D
 Acq: 30 Sep 2019 13:35

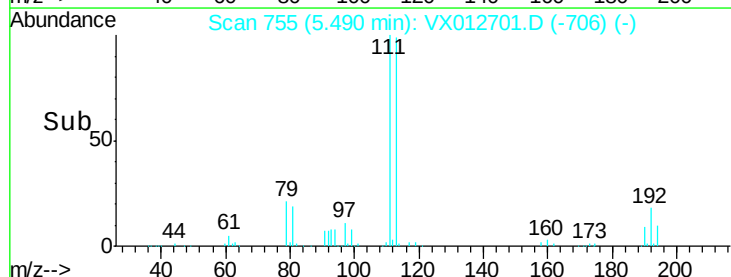
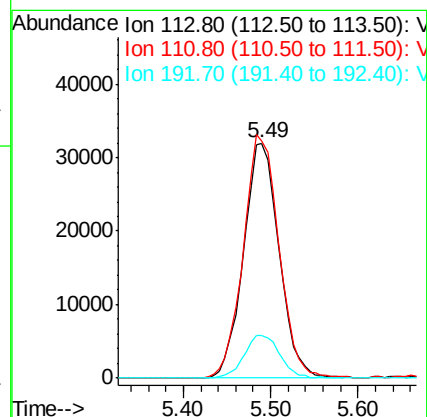
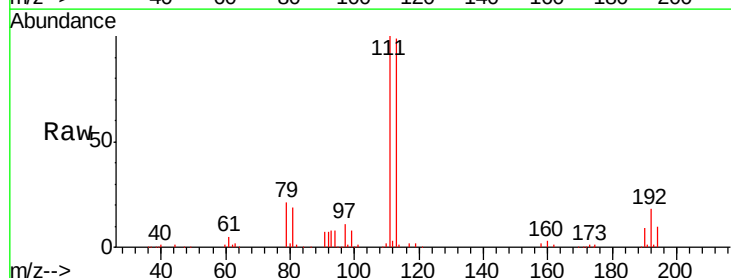
Instrument :
 MSVOA_X
 ClientSampleId :
 FT-MW09I-20190925

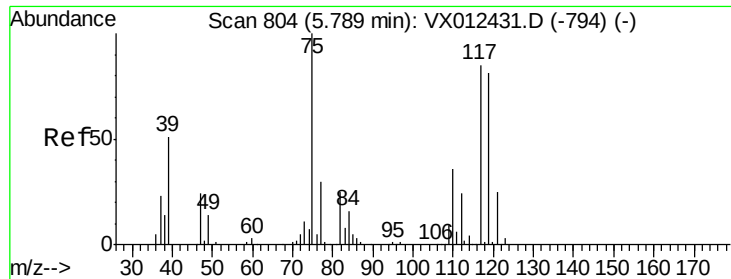
Tgt Ion:114 Resp: 302001
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 18.2 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.257 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012701.D
 Acq: 30 Sep 2019 13:35

Tgt Ion:113 Resp: 90389
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.2
 192 18.2 14.4 21.6

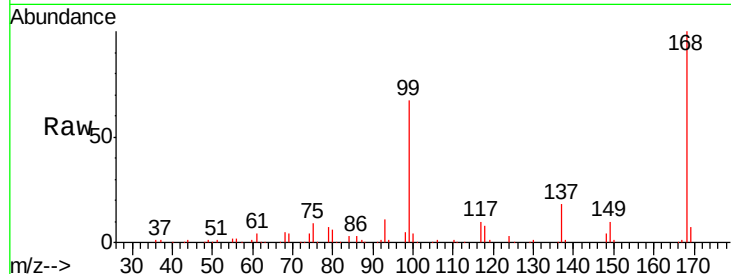




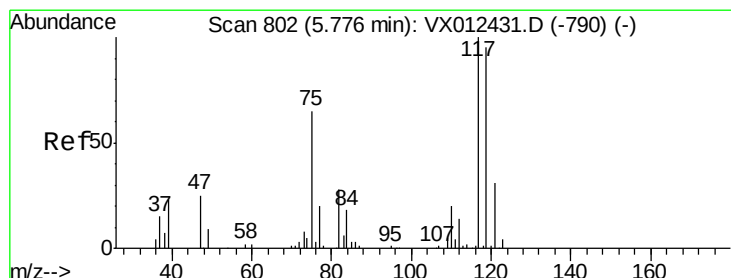
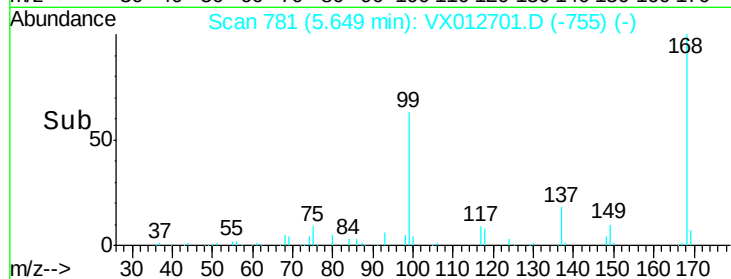
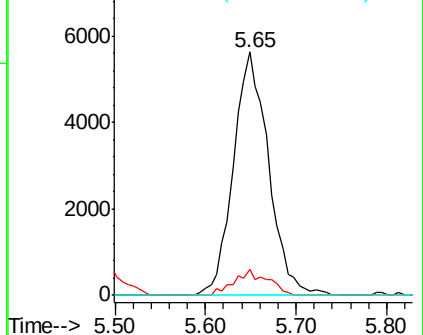
#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012701.D
 Acq: 30 Sep 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-MW09I-20190925

Tgt Ion: 75 Resp: 15132
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.7 50.0#
 77 0.0 24.2 36.2#

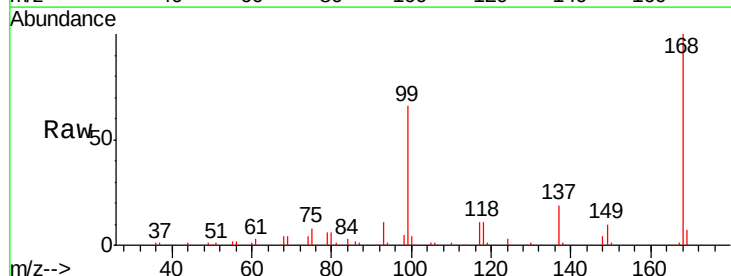


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

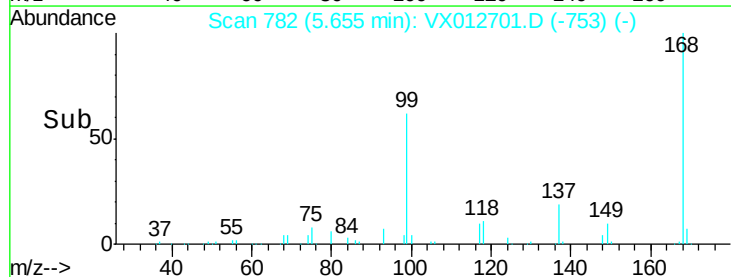
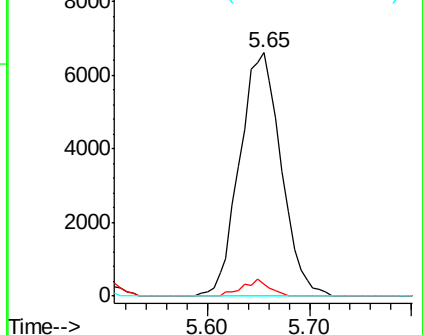


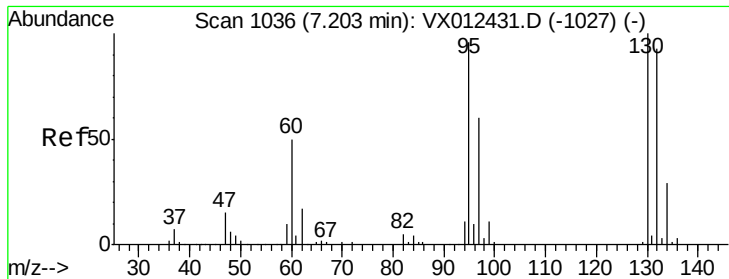
#38
 Carbon Tetrachloride
 Concen: 6.309 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012701.D
 Acq: 30 Sep 2019 13:35

Tgt Ion: 117 Resp: 18657
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.7 113.5#
 121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.644 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

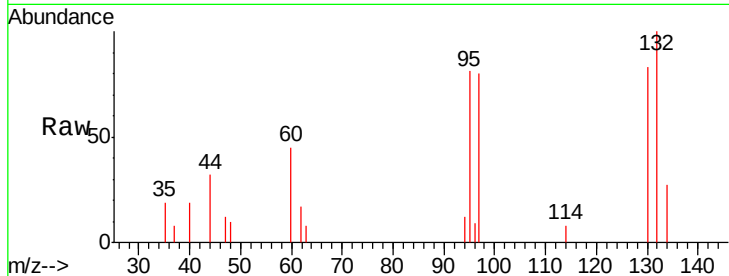
FT-MW09I-20190925

Tgt Ion:130 Resp: 1409

Ion Ratio Lower Upper

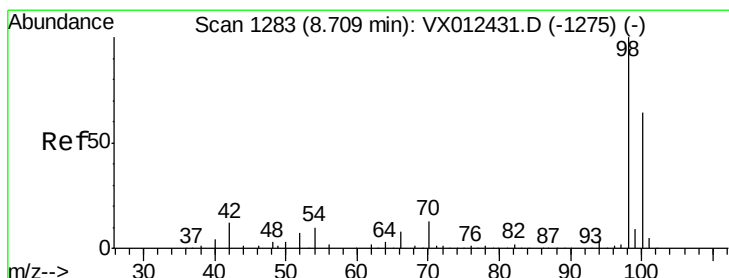
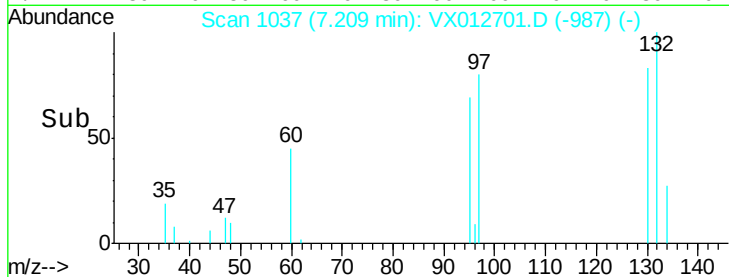
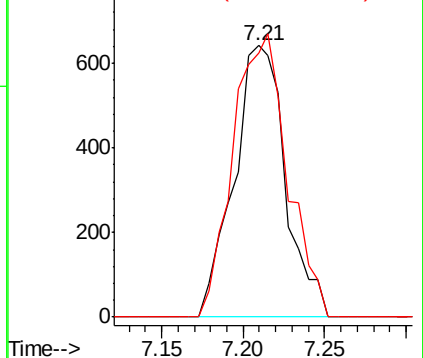
130 100

95 97.5 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.001 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012701.D

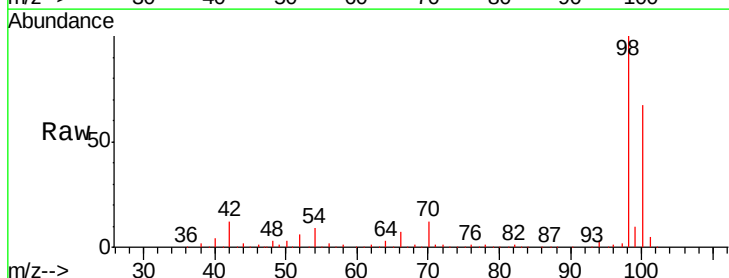
Acq: 30 Sep 2019 13:35

Tgt Ion: 98 Resp: 353252

Ion Ratio Lower Upper

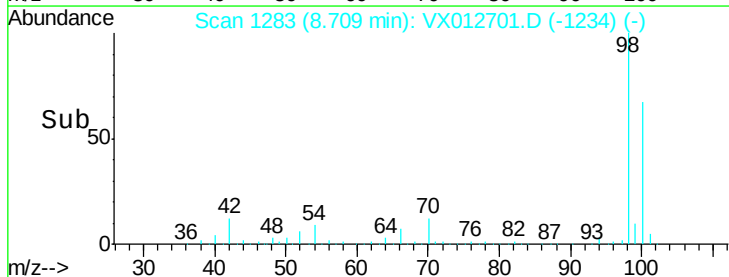
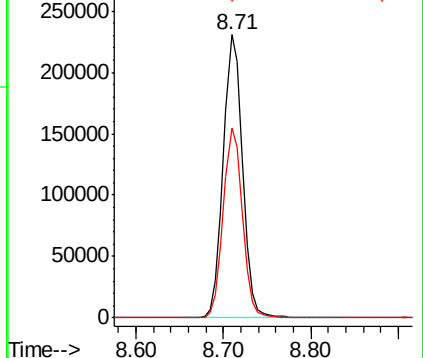
98 100

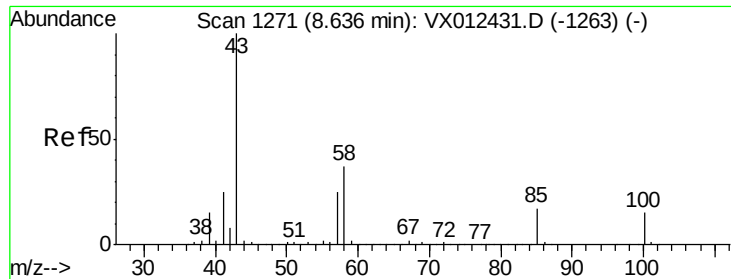
100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

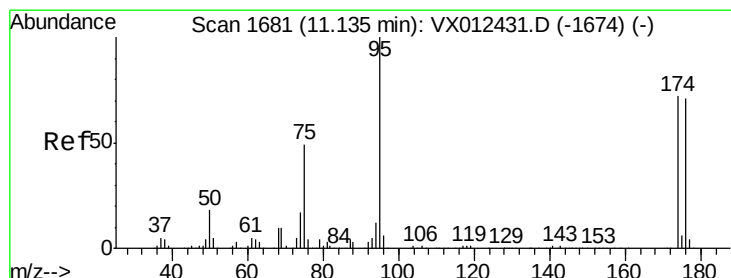
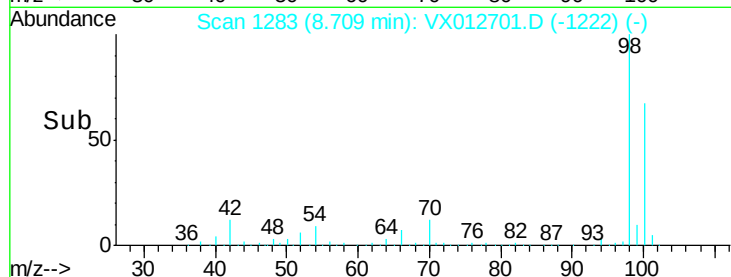
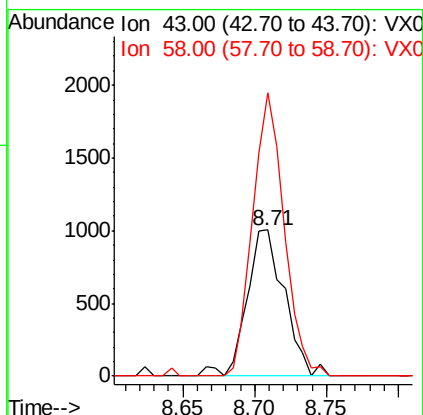
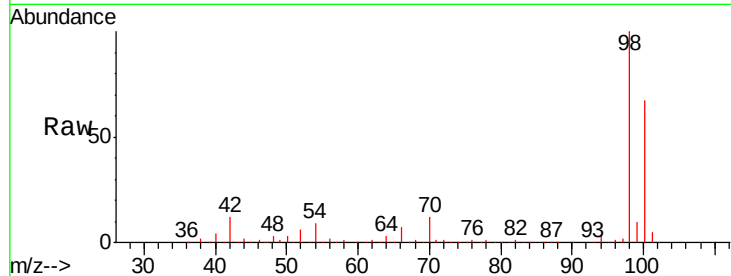




#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012701.D
Acq: 30 Sep 2019 13:35

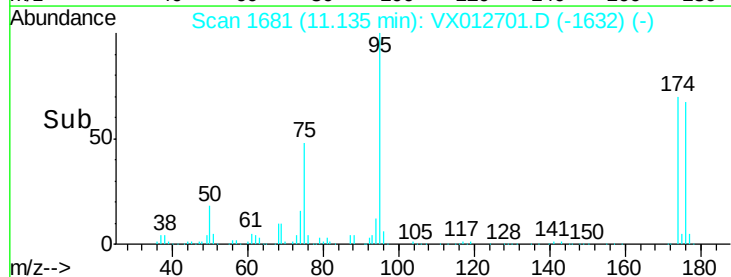
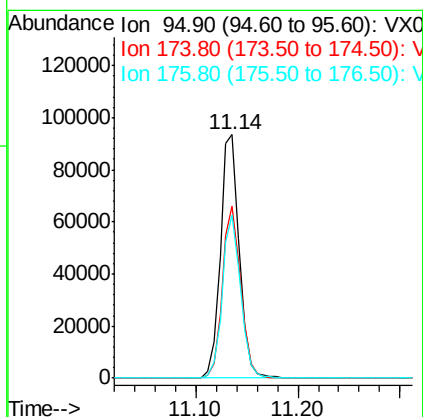
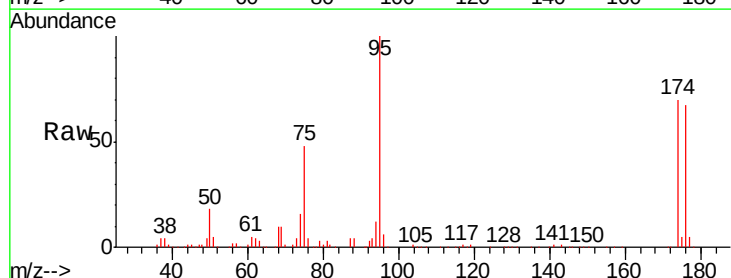
Instrument :
MSVOA_X
ClientSampleId :
FT-MW09I-20190925

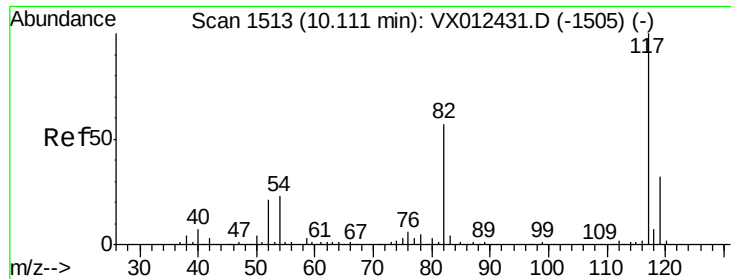
Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 162.9 29.8 44.6#



#62
4-Bromofluorobenzene
Concen: 44.428 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012701.D
Acq: 30 Sep 2019 13:35

Tgt Ion: 95 Resp: 120998
Ion Ratio Lower Upper
95 100
174 68.5 0.0 140.0
176 64.7 0.0 135.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

FT-MW09I-20190925

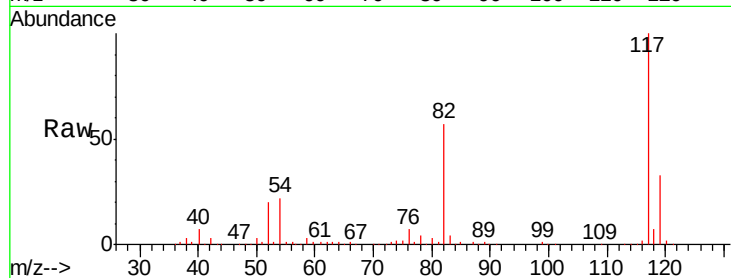
Tgt Ion:117 Resp: 252851

Ion Ratio Lower Upper

117 100

82 57.1 45.9 68.9

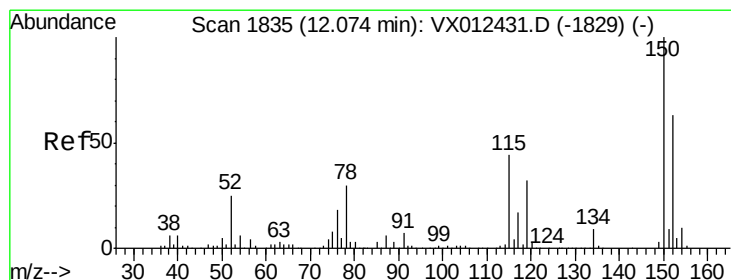
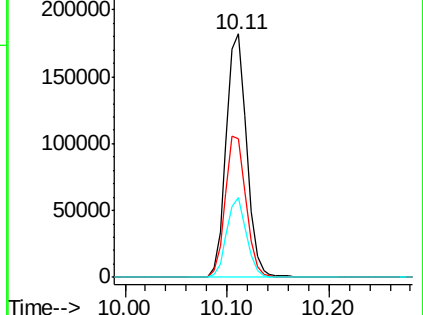
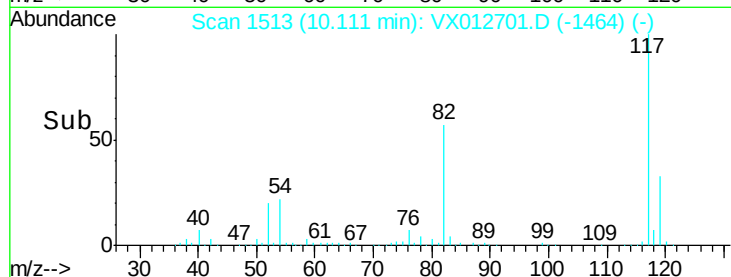
119 33.0 25.3 37.9



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: VX012701.D

Acq: 30 Sep 2019 13:35

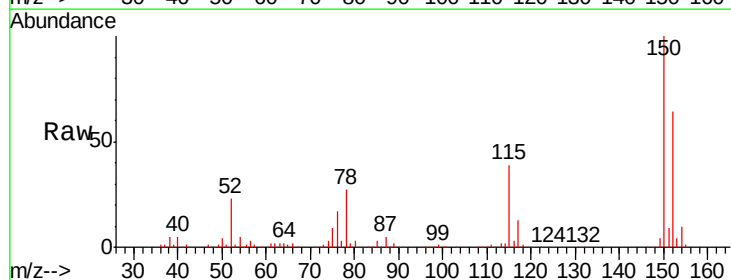
Tgt Ion:152 Resp: 98130

Ion Ratio Lower Upper

152 100

115 64.2 44.1 132.3

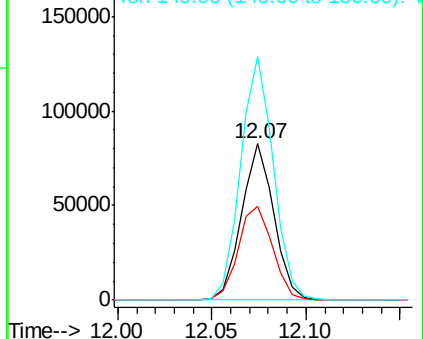
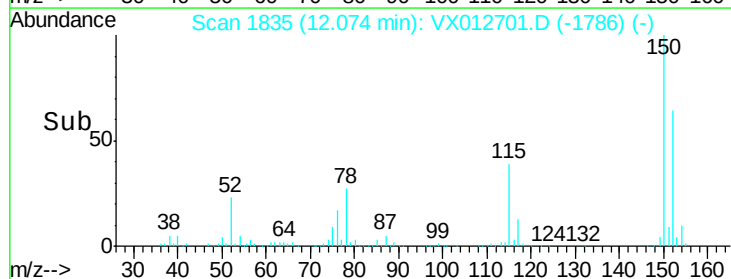
150 158.5 0.0 343.8

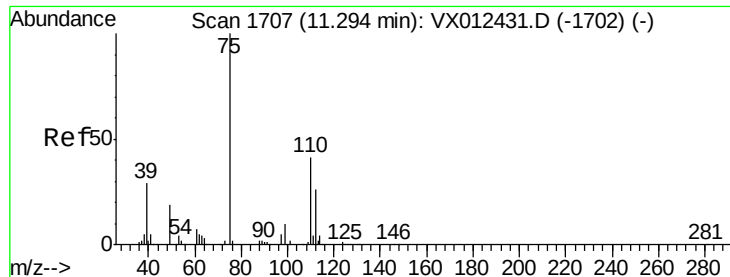


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.531 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

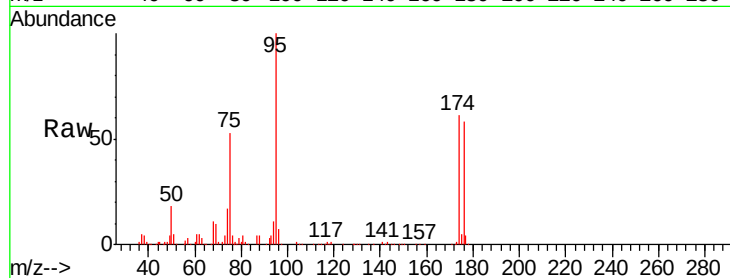
FT-MW09I-20190925

Tgt Ion: 75 Resp: 61082

Ion Ratio Lower Upper

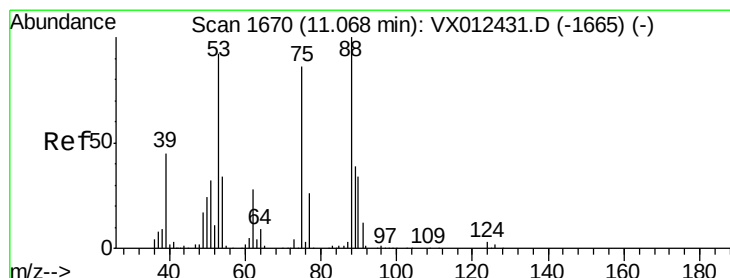
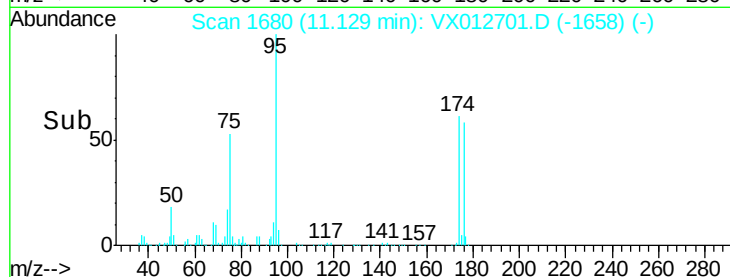
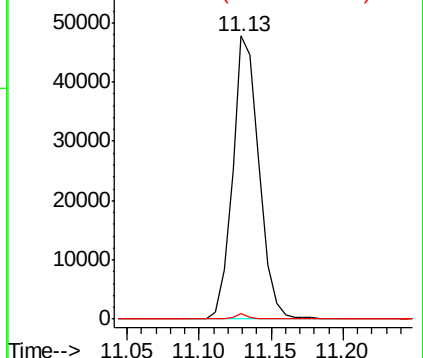
75 100

77 1.3 19.7 59.0#



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: 67.435 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012701.D

Acq: 30 Sep 2019 13:35

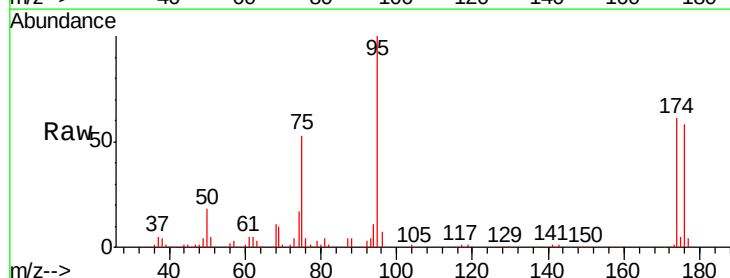
Tgt Ion: 75 Resp: 61082

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

