

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012823.D
 Acq On : 04 Oct 2019 19:41
 Operator : JC/SP
 Sample : K5190-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW05I-20191002

Quant Time: Oct 05 04:25:30 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	175863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103296	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	117813	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
35) Dibromofluoromethane	5.49	113	90060	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.71	98	351317	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.14	95	124830	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

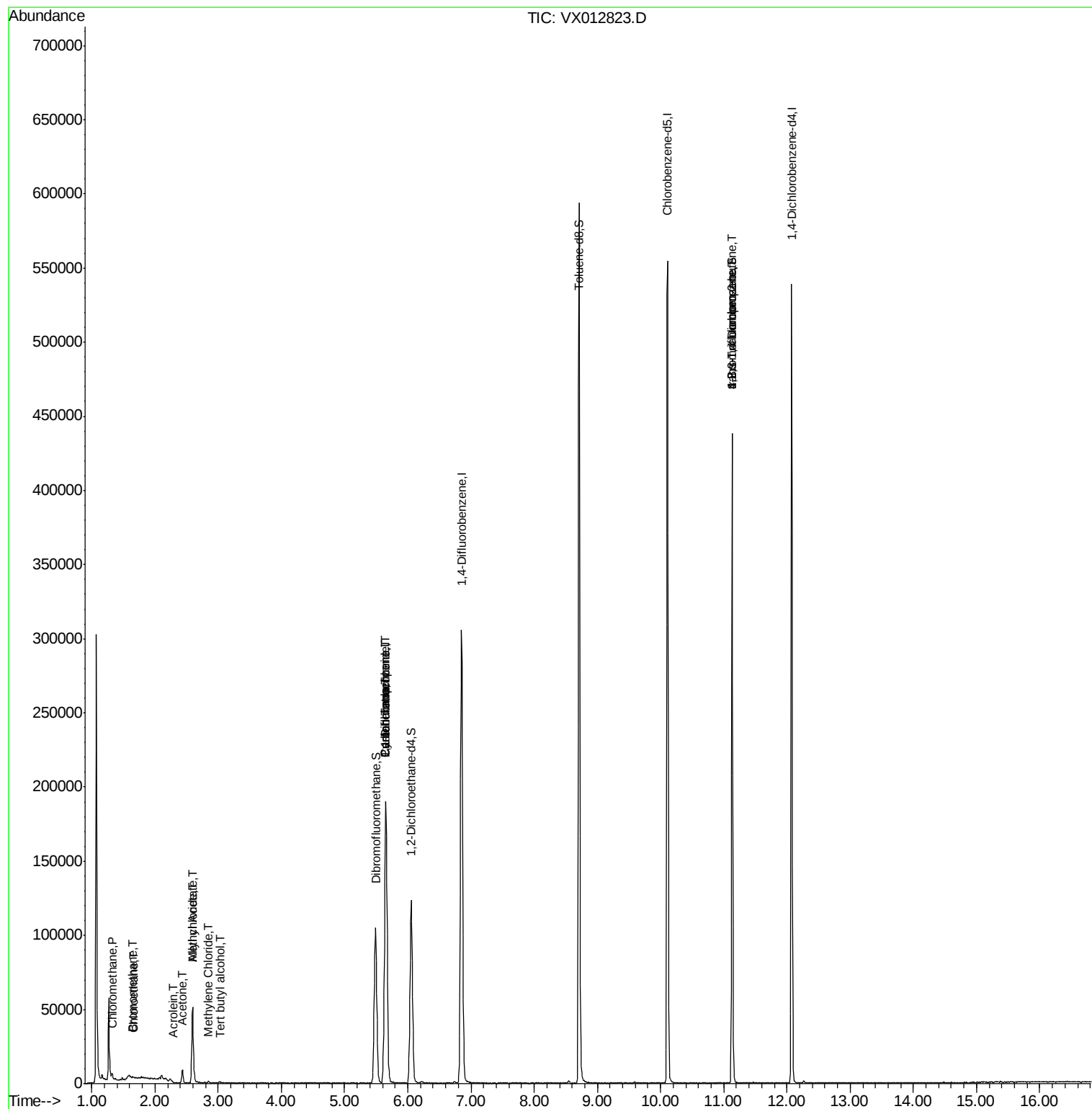
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1948	0.857	ug/l	99
5) Bromomethane	1.64	94	324	0.365	ug/l	86
6) Chloroethane	1.66	64	605	0.397	ug/l #	49
11) Tert butyl alcohol	3.03	59	905	1.415	ug/l #	81
13) Acrolein	2.28	56	94	10.486	ug/l #	46
14) Allyl chloride	2.60	41	4929	1.314	ug/l #	71
16) Acetone	2.43	43	9054	6.675	ug/l	96
18) Methyl Acetate	2.59	43	13265	4.153	ug/l #	54
20) Methylene Chloride	2.84	84	607	0.265	ug/l #	70
31) Cyclohexane	5.65	56	3902	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14101	4.891	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18760	6.406	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	61967	22.678	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	61967	64.991	ug/l #	8

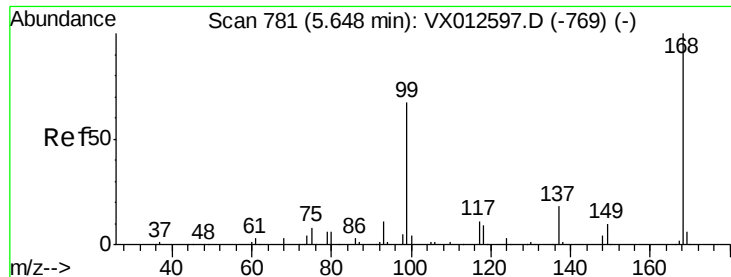
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
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Quant Title : SW846 8260
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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: VX012823.D

Acq: 04 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

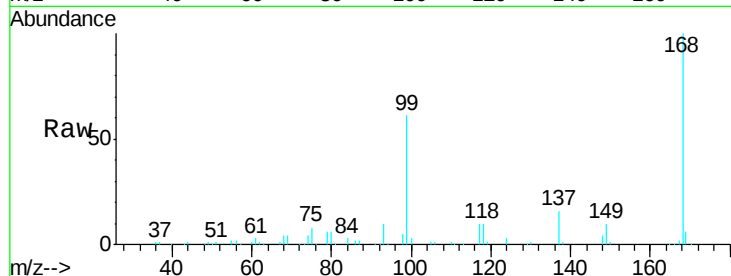
FC-MW05I-20191002

Tgt Ion:168 Resp: 175863

Ion Ratio Lower Upper

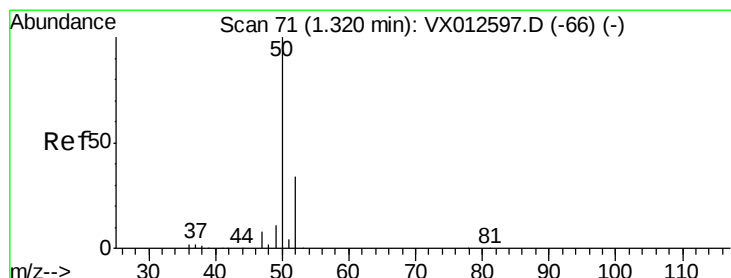
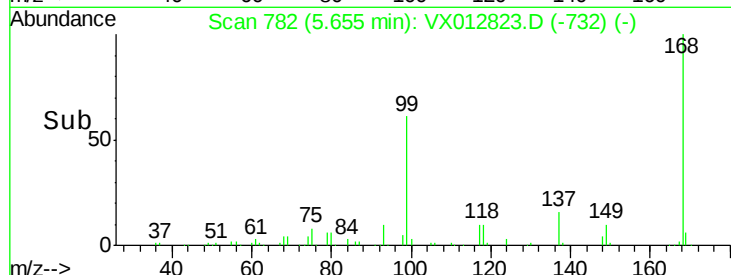
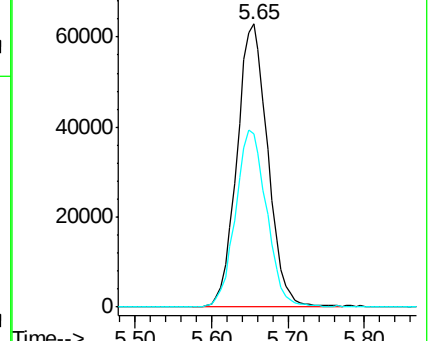
168 100

99 61.4 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: 0.857 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012823.D

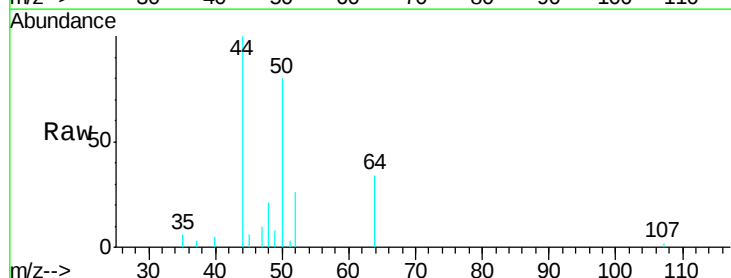
Acq: 04 Oct 2019 19:41

Tgt Ion: 50 Resp: 1948

Ion Ratio Lower Upper

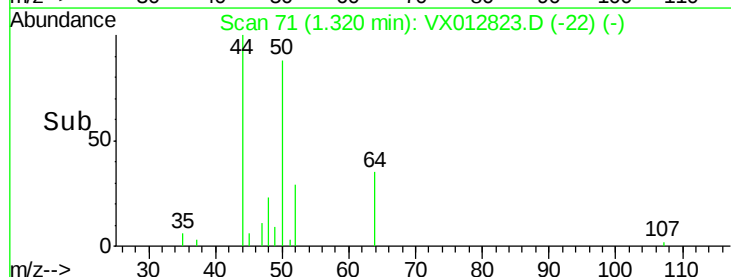
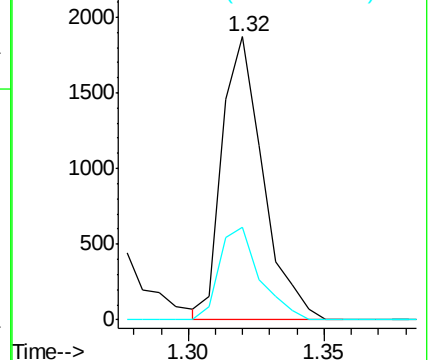
50 100

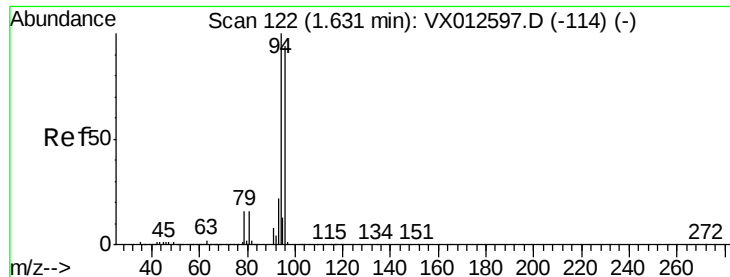
52 32.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.365 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012823.D

Acq: 04 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

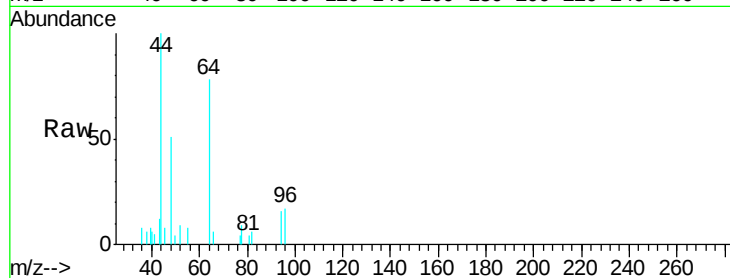
FC-MW05I-20191002

Tgt Ion: 94 Resp: 324

Ion Ratio Lower Upper

94 100

96 104.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

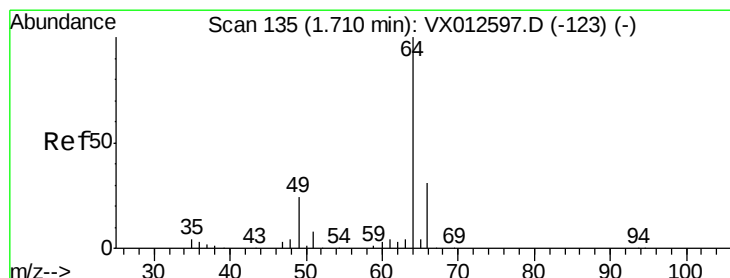
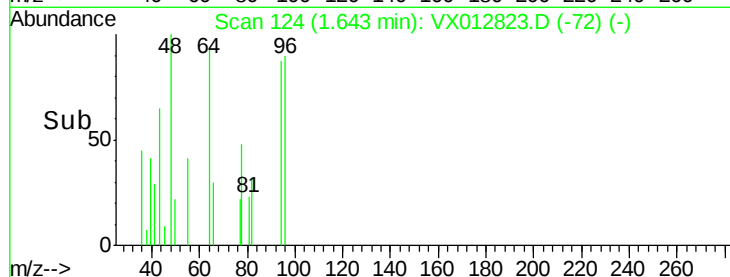
150

100

50

0

Time-->



#6

Chloroethane

Concen: 0.397 ug/l

RT: 1.66 min Scan# 127

Delta R.T. -0.05 min

Lab File: VX012823.D

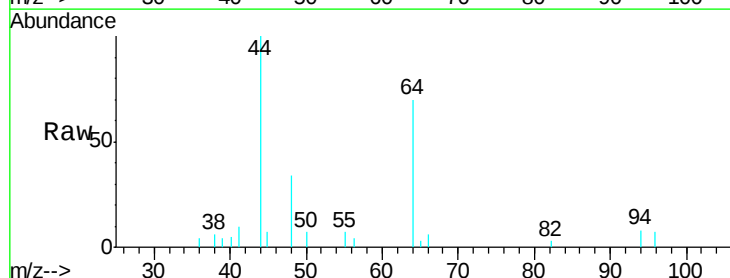
Acq: 04 Oct 2019 19:41

Tgt Ion: 64 Resp: 605

Ion Ratio Lower Upper

64 100

66 2.6 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

1200

1000

800

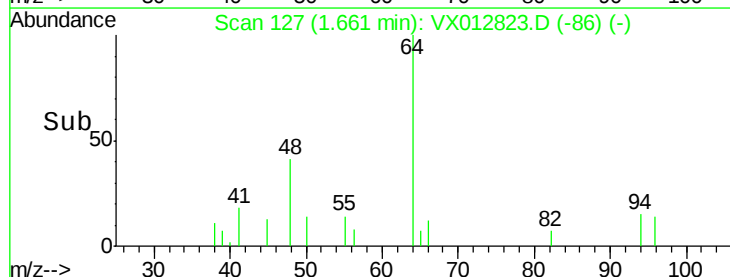
600

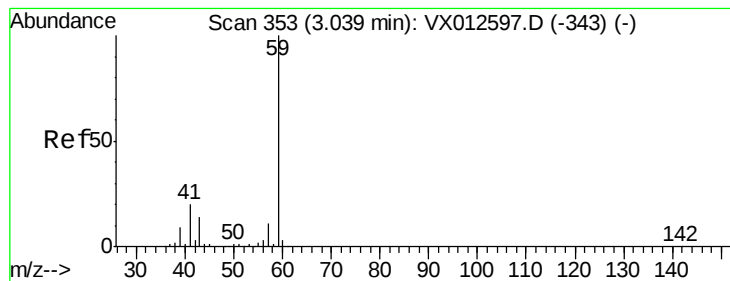
400

200

0

Time-->



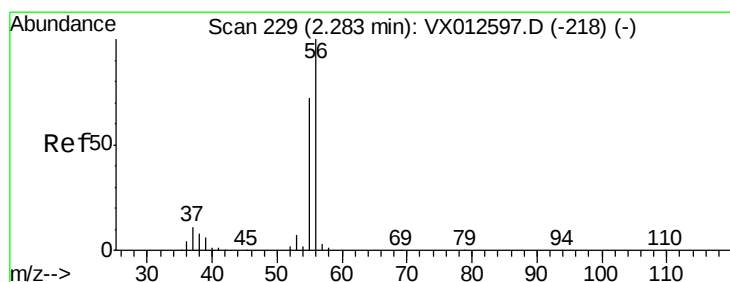
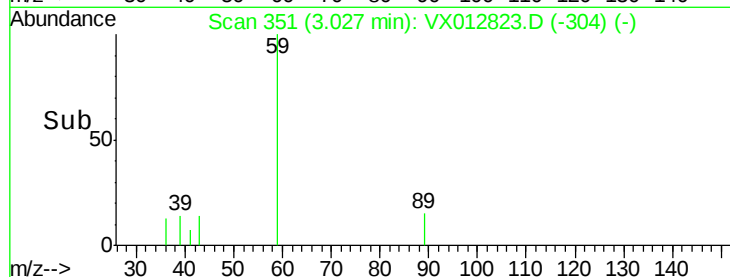
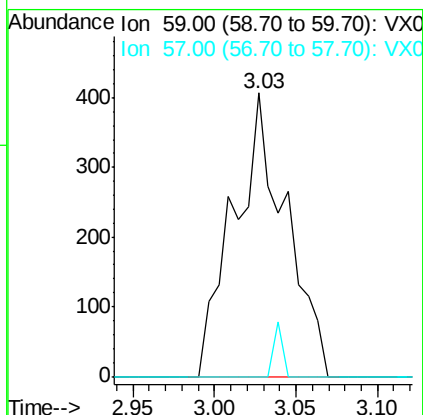
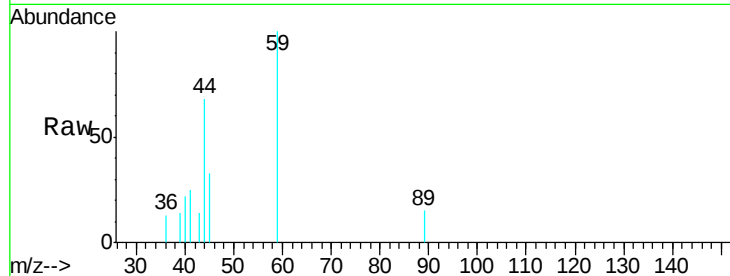


#11

Tert butyl alcohol
 Concen: 1.415 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012823.D
 Acq: 04 Oct 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW05I-20191002

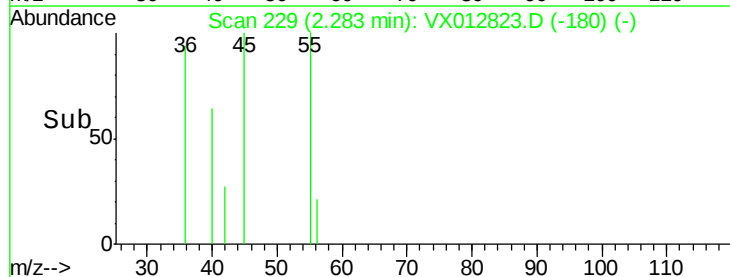
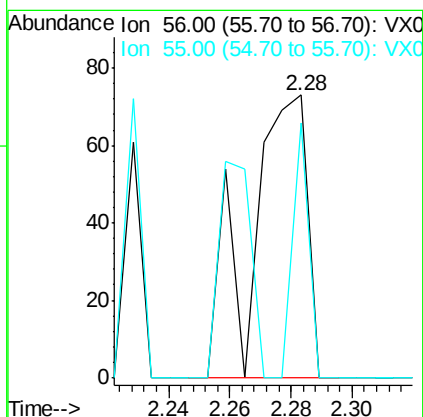
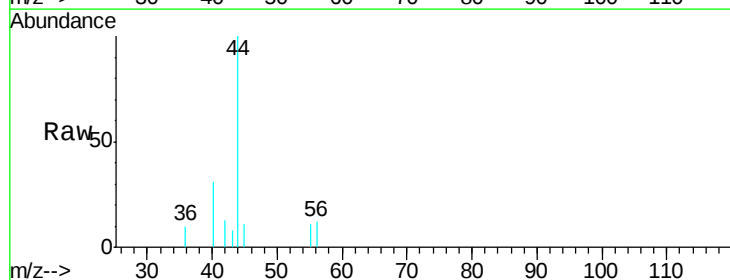
Tgt Ion: 59 Resp: 905
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.3 12.5#

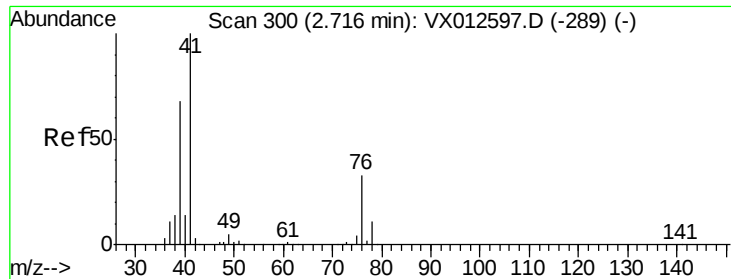


#13

Acrolein
 Concen: 10.486 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012823.D
 Acq: 04 Oct 2019 19:41

Tgt Ion: 56 Resp: 94
 Ion Ratio Lower Upper
 56 100
 55 25.5 55.8 83.8#

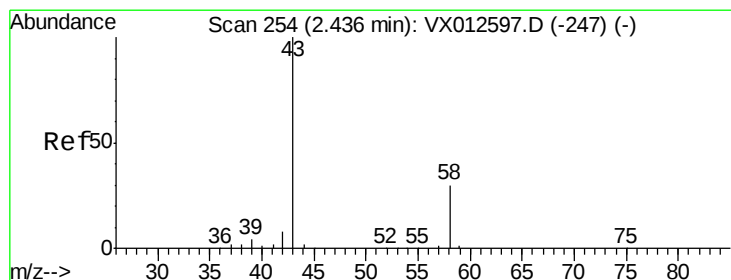
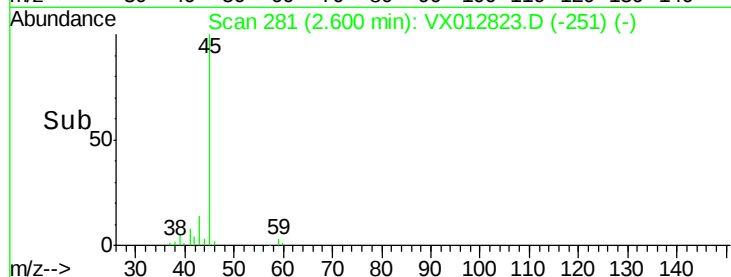
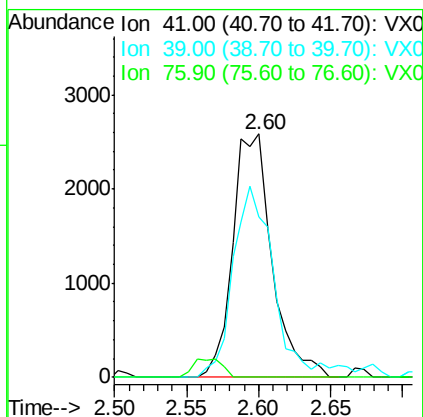
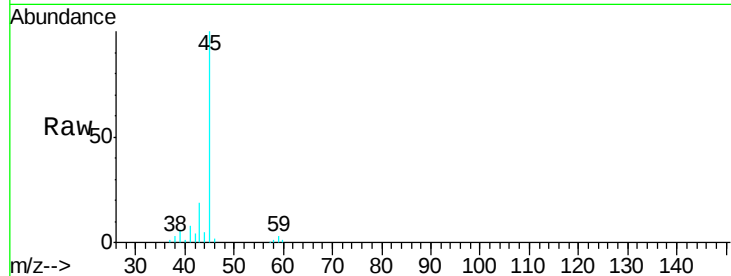




#14
 Allyl chloride
 Concen: 1.314 ug/l
 RT: 2.60 min Scan# 281
 Delta R.T. -0.12 min
 Lab File: VX012823.D
 Acq: 04 Oct 2019 19:41

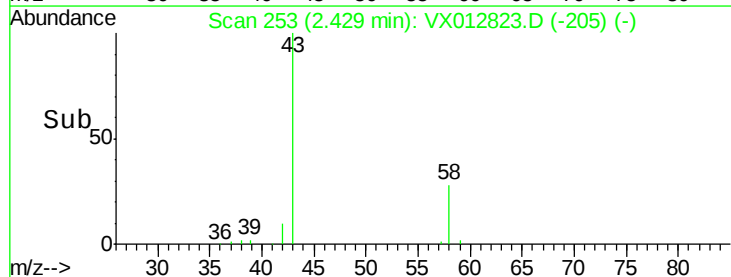
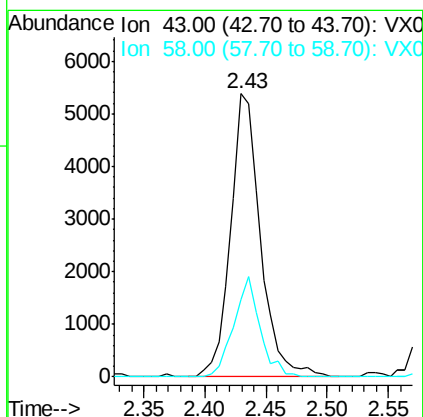
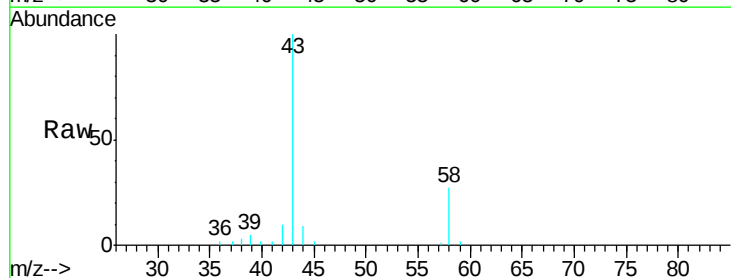
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW051-20191002

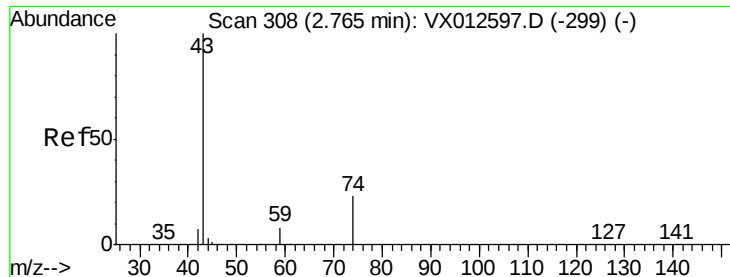
Tgt Ion: 41 Resp: 4929
 Ion Ratio Lower Upper
 41 100
 39 78.7 51.3 76.9#
 76 0.0 22.6 33.8#



#16
 Acetone
 Concen: 6.675 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012823.D
 Acq: 04 Oct 2019 19:41

Tgt Ion: 43 Resp: 9054
 Ion Ratio Lower Upper
 43 100
 58 27.2 23.3 34.9

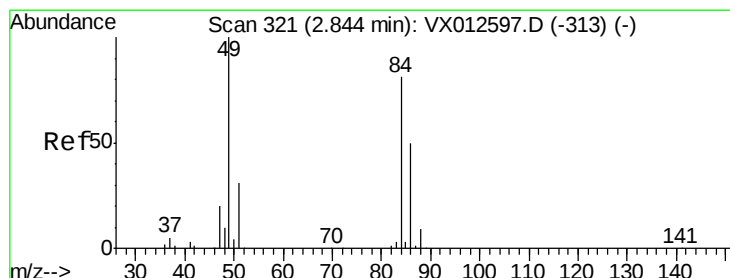
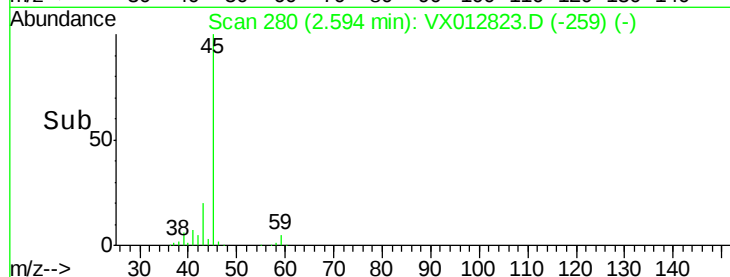
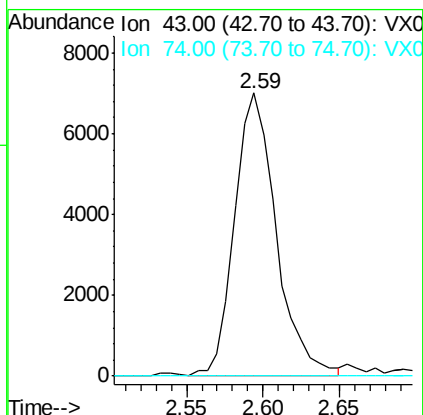
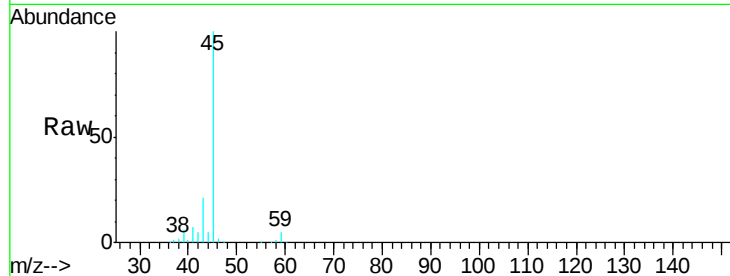




#18
Methyl Acetate
Concen: 4.153 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012823.D
Acq: 04 Oct 2019 19:41

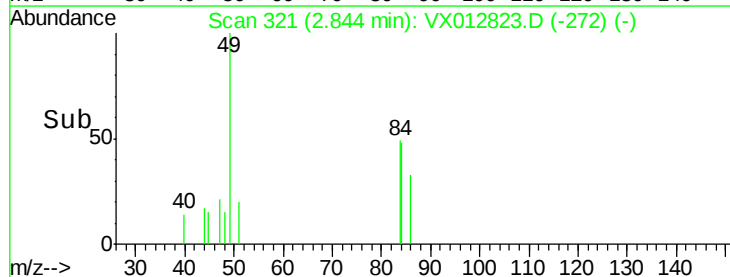
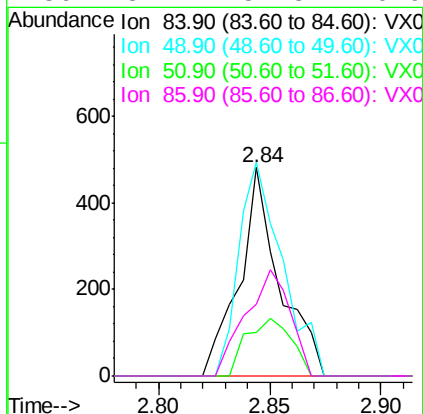
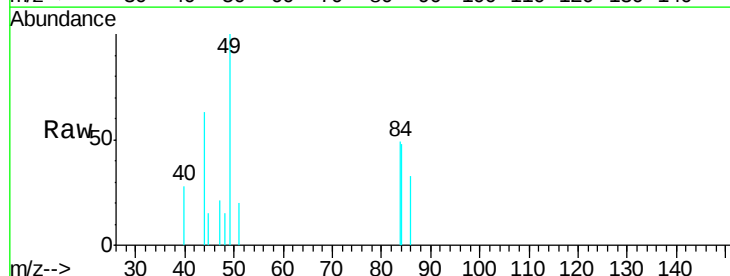
Instrument :
MSVOA_X
ClientSampleId :
FC-MW051-20191002

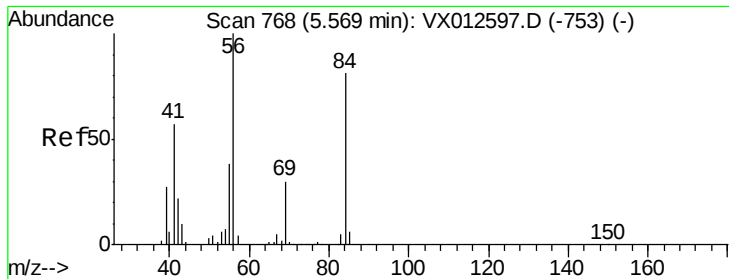
Tgt Ion: 43 Resp: 13265
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012823.D
Acq: 04 Oct 2019 19:41

Tgt Ion: 84 Resp: 607
Ion Ratio Lower Upper
84 100
49 102.5 106.8 160.2#
51 20.7 32.3 48.5#
86 34.2 51.3 76.9#

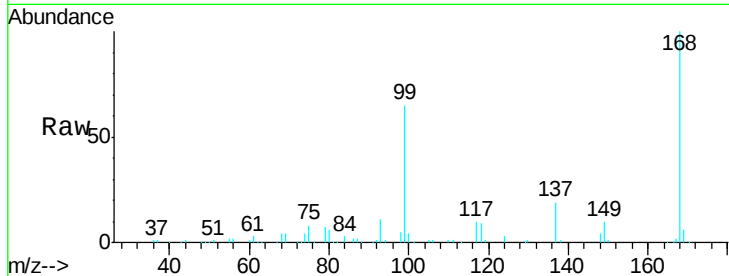




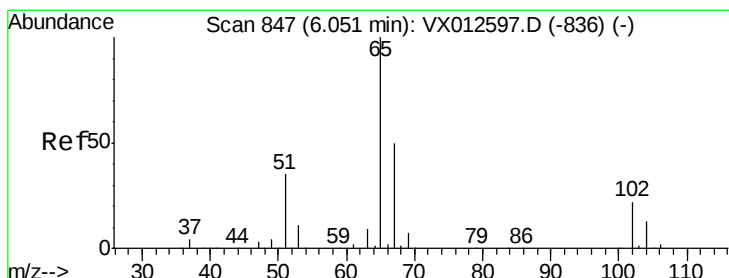
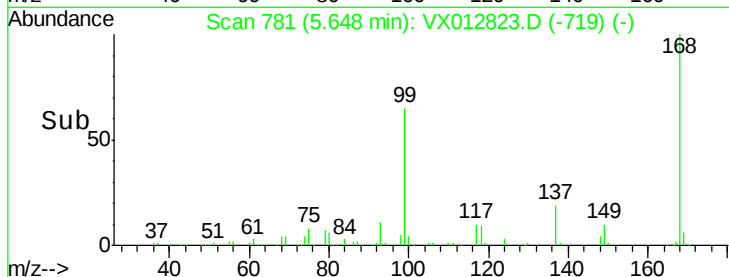
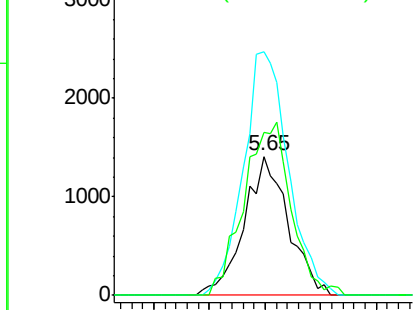
#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012823.D
Acq: 04 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
FC-MW05I-20191002

Tgt Ion: 56 Resp: 3902
Ion Ratio Lower Upper
56 100
69 175.0 25.0 37.6#
84 116.9 66.4 99.6#

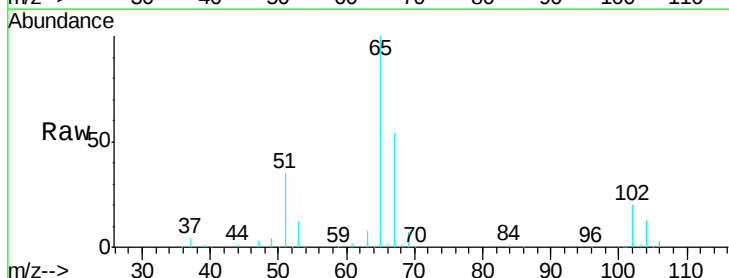


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

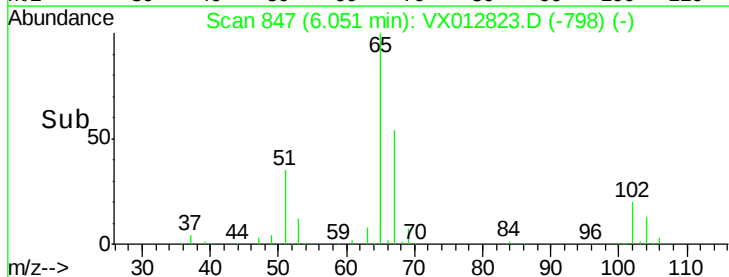
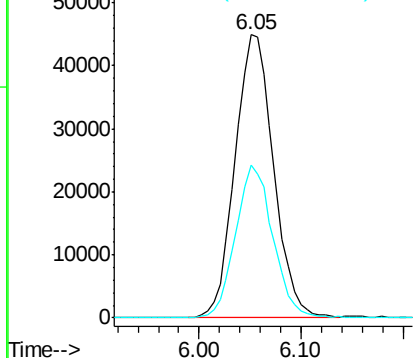


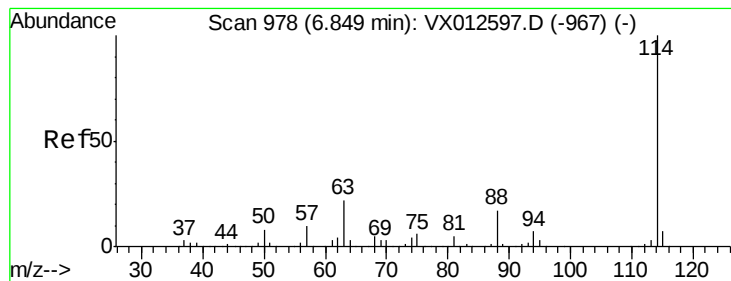
#33
1,2-Dichloroethane-d4
Concen: 46.004 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012823.D
Acq: 04 Oct 2019 19:41

Tgt Ion: 65 Resp: 117813
Ion Ratio Lower Upper
65 100
67 52.3 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: VX012823.D

Acq: 04 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

FC-MW05I-20191002

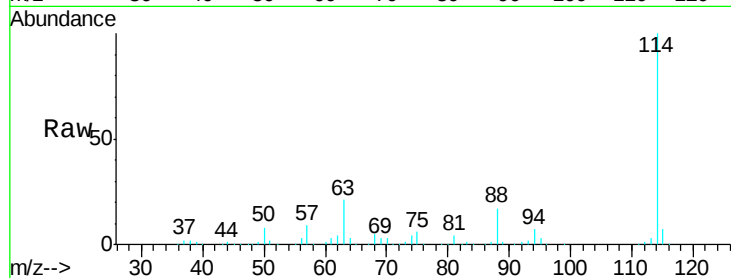
Tgt Ion:114 Resp: 299081

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

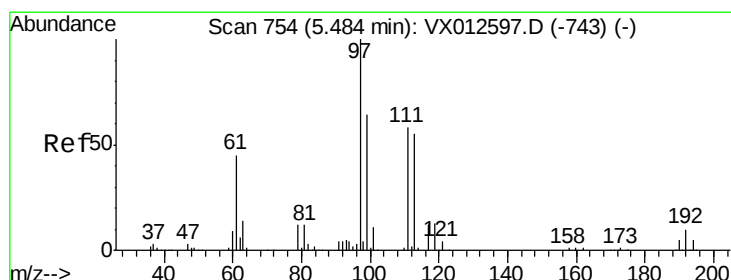
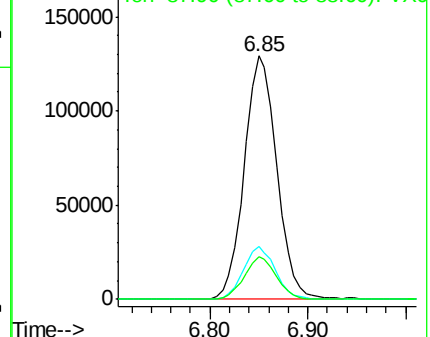
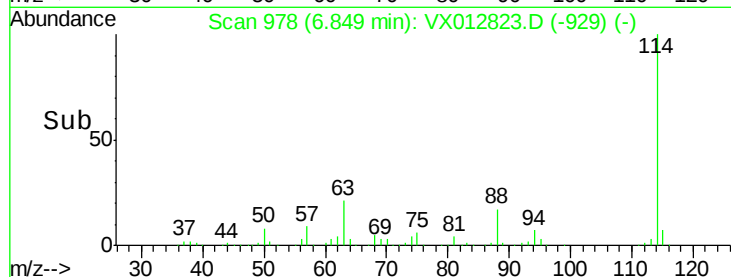
88 17.3 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.563 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012823.D

Acq: 04 Oct 2019 19:41

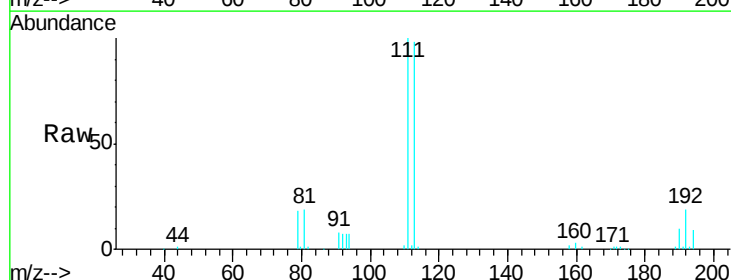
Tgt Ion:113 Resp: 90060

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

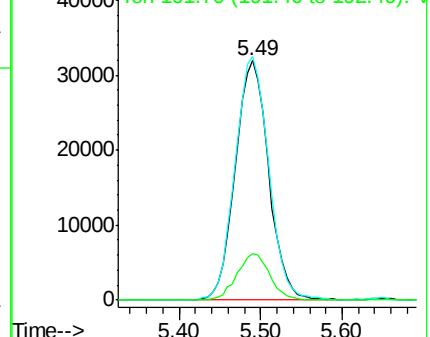
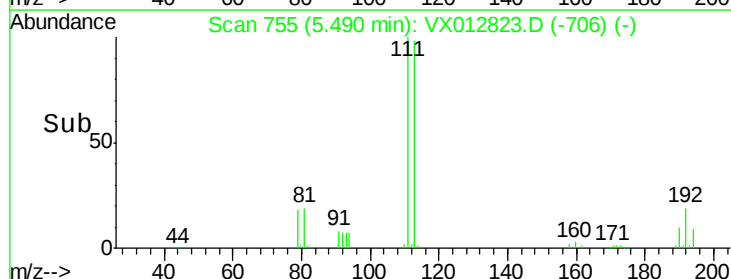
192 19.0 14.4 21.6

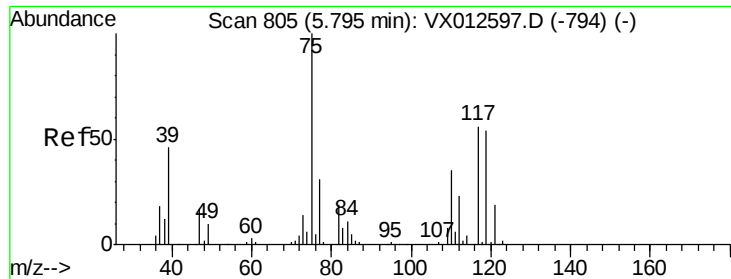


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

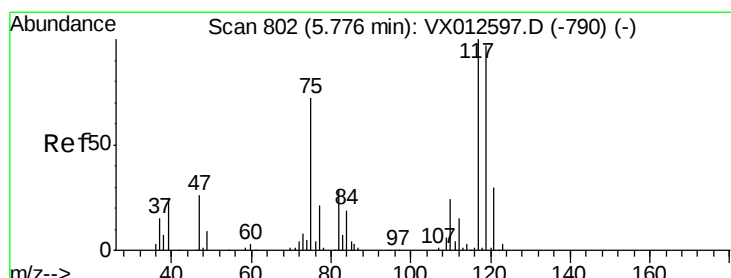
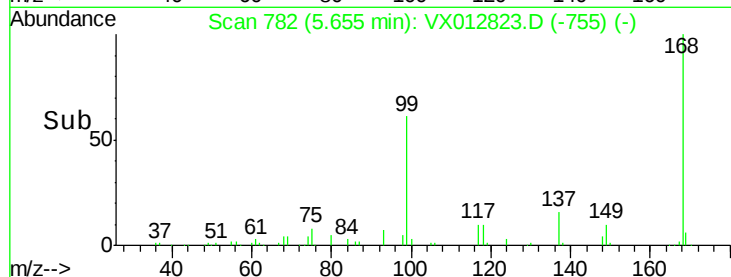
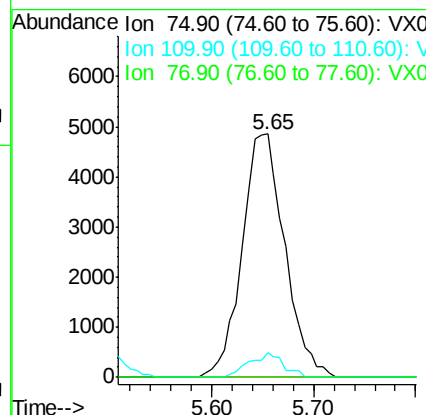
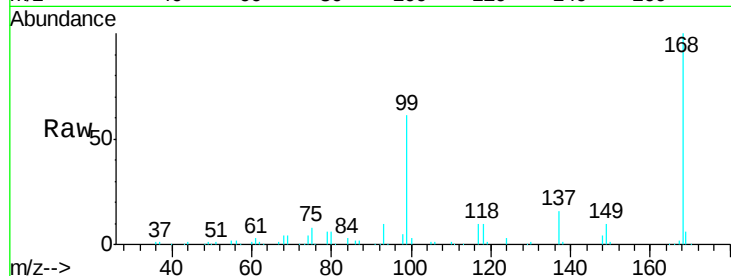




#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012823.D
 Acq: 04 Oct 2019 19:41

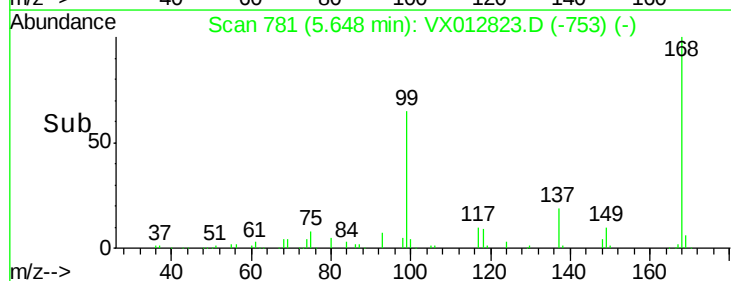
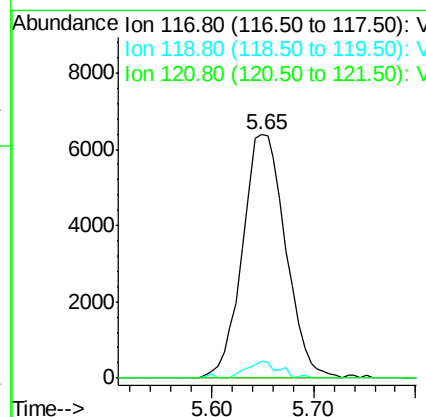
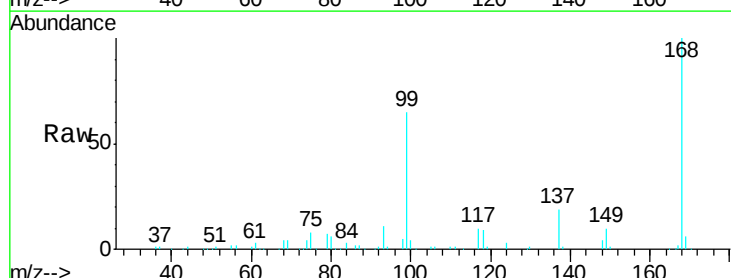
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW051-20191002

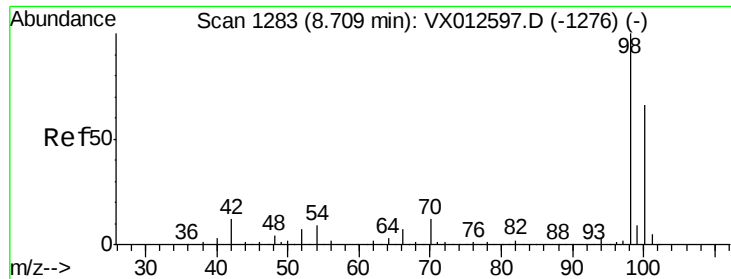
Tgt Ion: 75 Resp: 14101
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.406 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012823.D
 Acq: 04 Oct 2019 19:41

Tgt Ion: 117 Resp: 18760
 Ion Ratio Lower Upper
 117 100
 119 6.8 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 51.217 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012823.D

Acq: 04 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

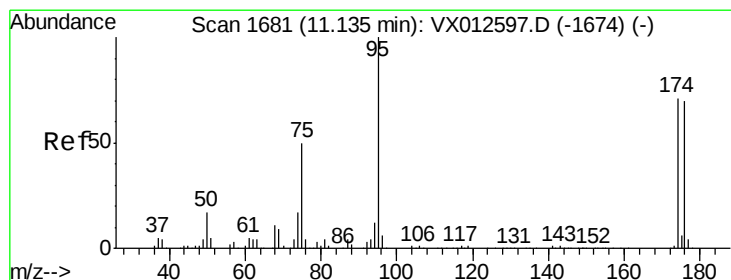
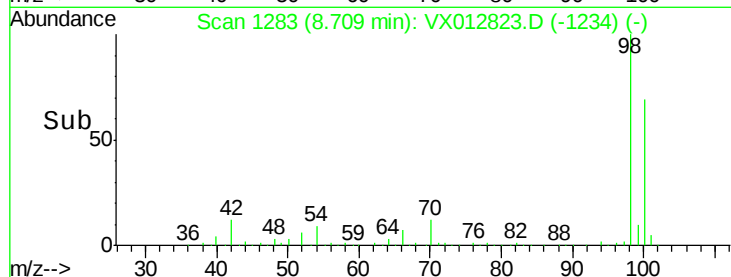
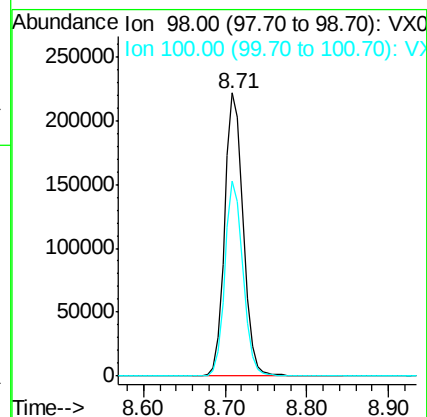
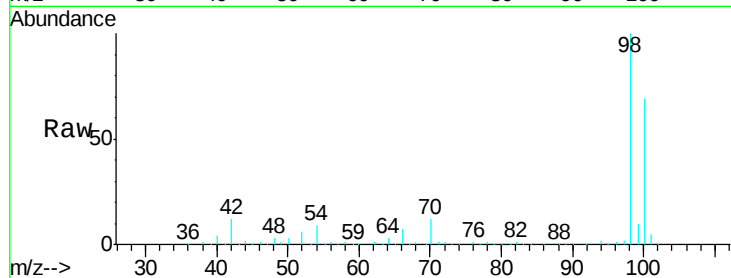
FC-MW05I-20191002

Tgt Ion: 98 Resp: 351317

Ion Ratio Lower Upper

98 100

100 67.5 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 46.283 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012823.D

Acq: 04 Oct 2019 19:41

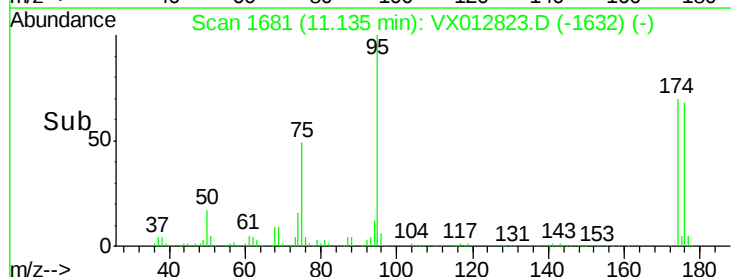
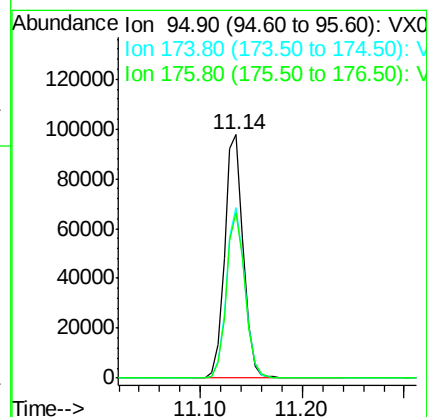
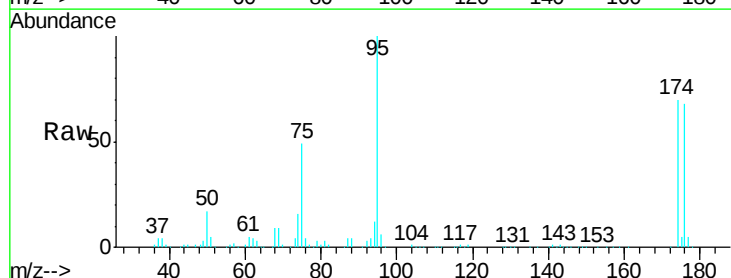
Tgt Ion: 95 Resp: 124830

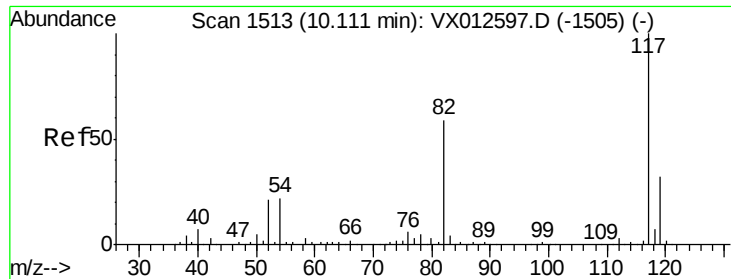
Ion Ratio Lower Upper

95 100

174 69.7 0.0 140.0

176 67.1 0.0 135.4

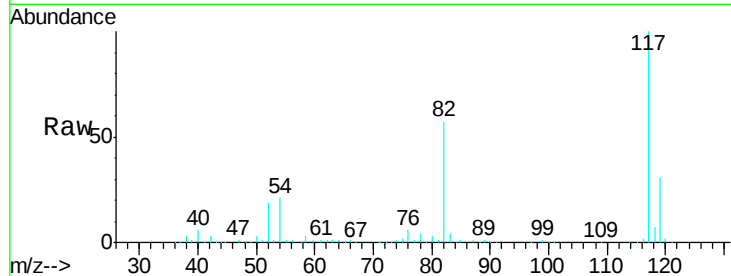




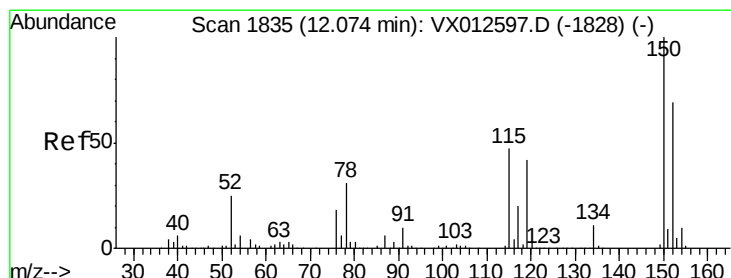
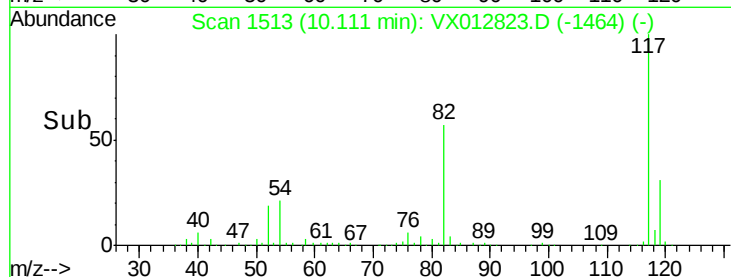
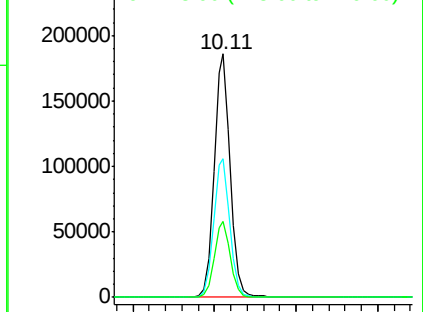
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012823.D
Acq: 04 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
FC-MW05I-20191002

Tgt Ion:117 Resp: 258066
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 31.3 25.3 37.9

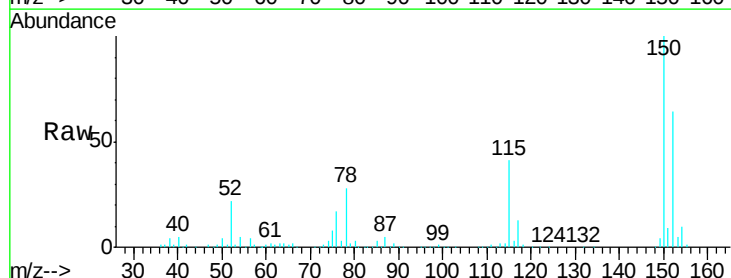


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

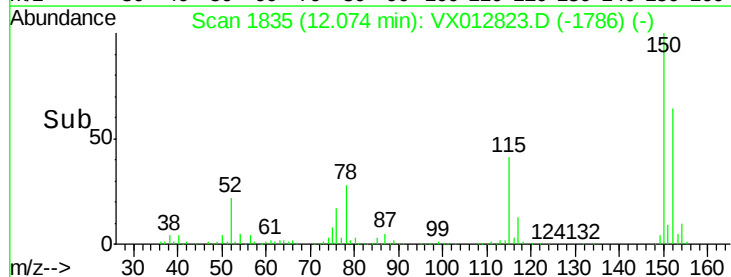
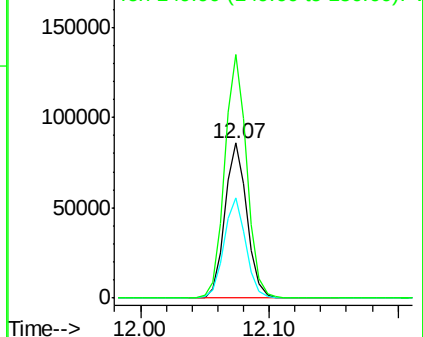


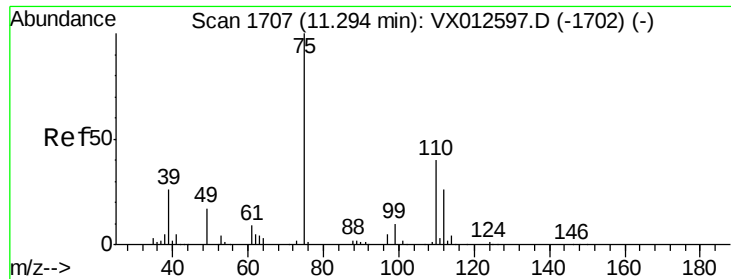
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012823.D
Acq: 04 Oct 2019 19:41

Tgt Ion:152 Resp: 103296
Ion Ratio Lower Upper
152 100
115 64.1 44.1 132.3
150 157.8 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: 22.678 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012823.D

Acq: 04 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

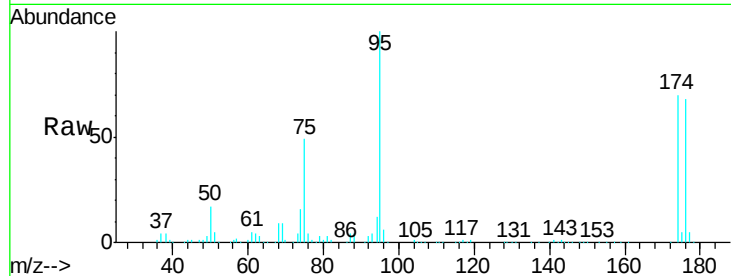
FC-MW05I-20191002

Tgt Ion: 75 Resp: 61967

Ion Ratio Lower Upper

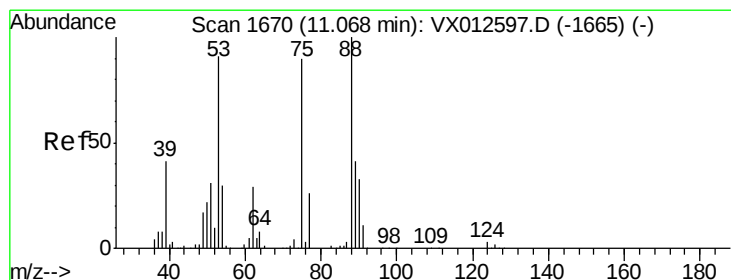
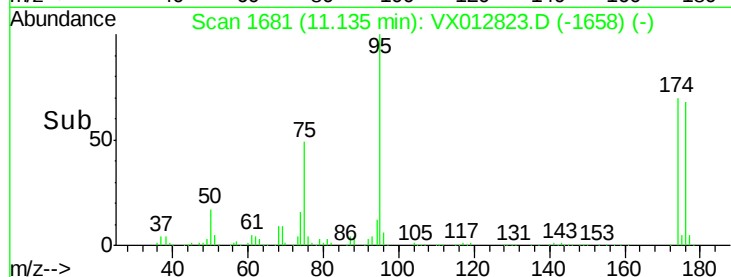
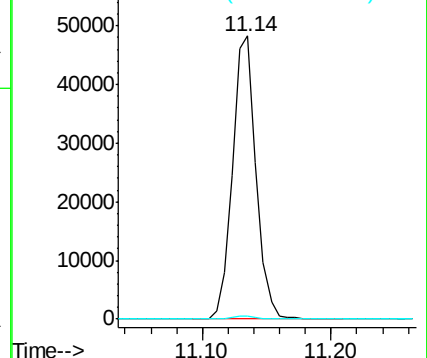
75 100

77 1.1 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: 64.991 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012823.D

Acq: 04 Oct 2019 19:41

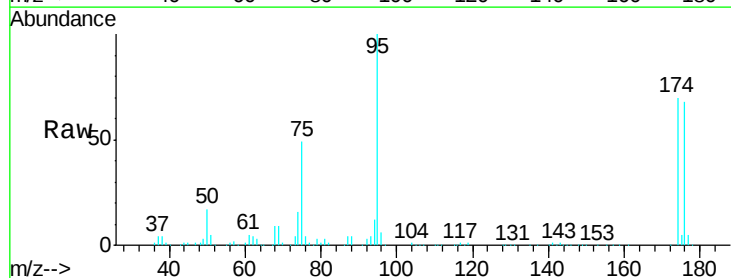
Tgt Ion: 75 Resp: 61967

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

