

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012822.D
 Acq On : 04 Oct 2019 19:18
 Operator : JC/SP
 Sample : K5190-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW05S-20191002

Quant Time: Oct 05 04:25:18 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	176602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103118	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	118079	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
35) Dibromofluoromethane	5.49	113	92595	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	8.71	98	359685	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.14	95	124459	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	

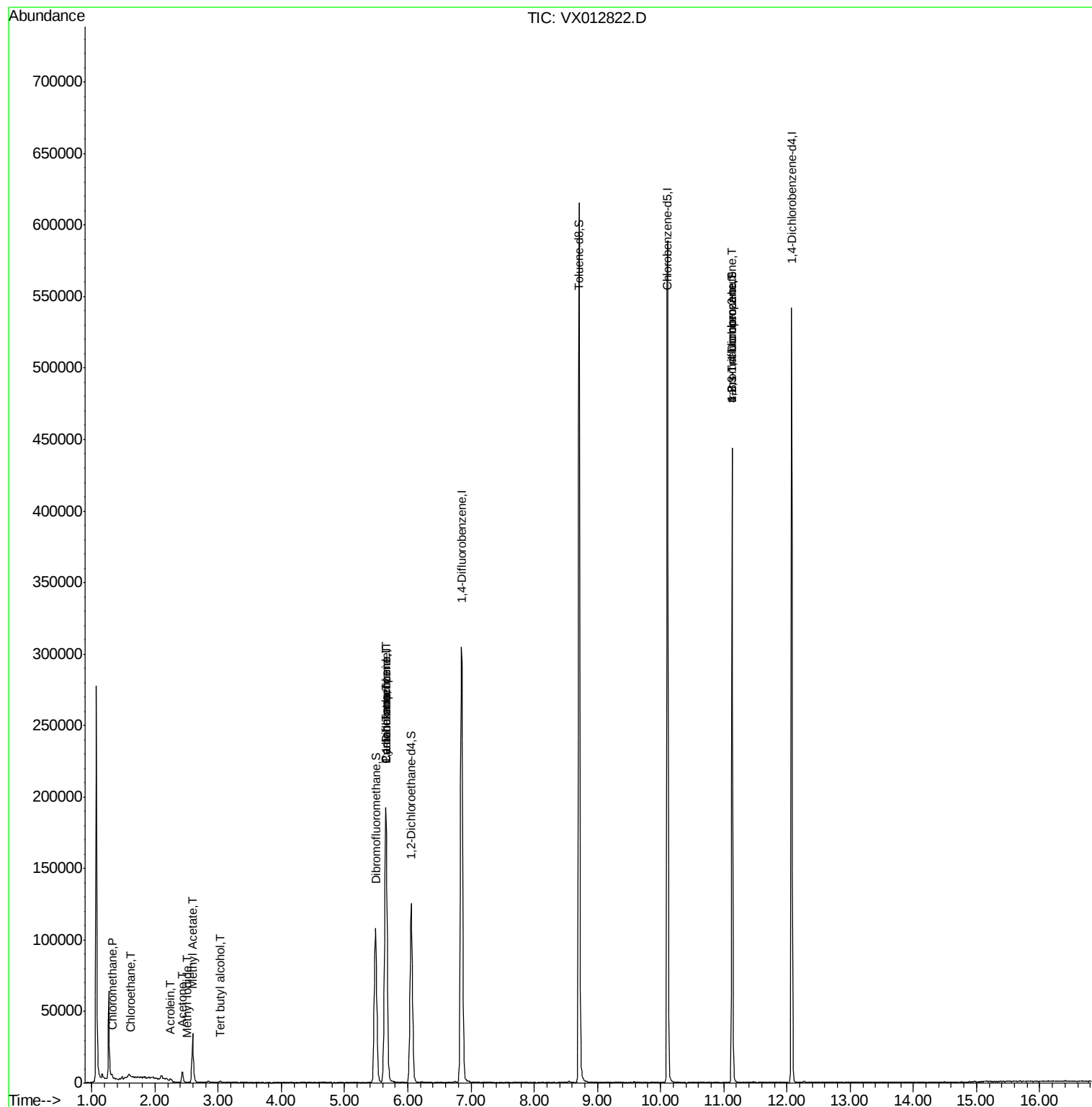
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1553	0.681	ug/l #	86
6) Chloroethane	1.62	64	653	0.427	ug/l #	45
10) Methyl Iodide	2.51	142	43	4.972	ug/l #	35
11) Tert butyl alcohol	3.04	59	830	1.292	ug/l #	81
13) Acrolein	2.25	56	33	10.321	ug/l #	1
16) Acetone	2.44	43	7883	5.787	ug/l	98
18) Methyl Acetate	2.59	43	8919	2.781	ug/l #	54
31) Cyclohexane	5.65	56	3874	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14874	5.020	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18721	6.220	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	63110	23.136	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	63110	66.304	ug/l #	8

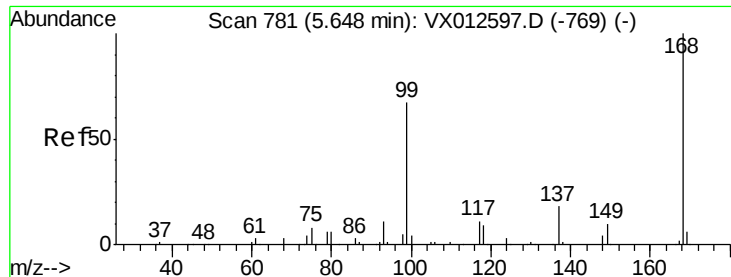
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

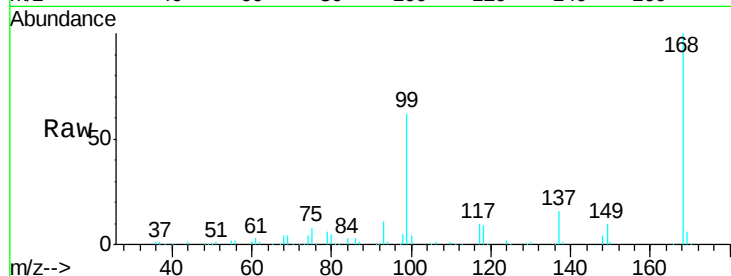
FC-MW05S-20191002

Tgt Ion:168 Resp: 176602

Ion Ratio Lower Upper

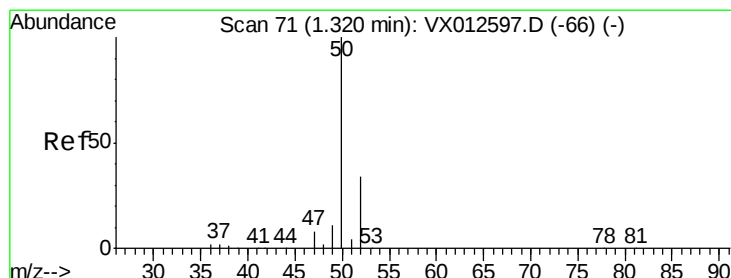
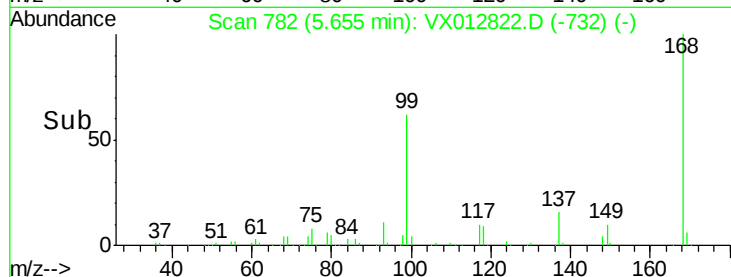
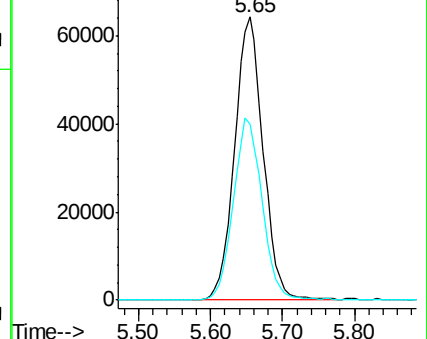
168 100

99 62.2 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: 0.681 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012822.D

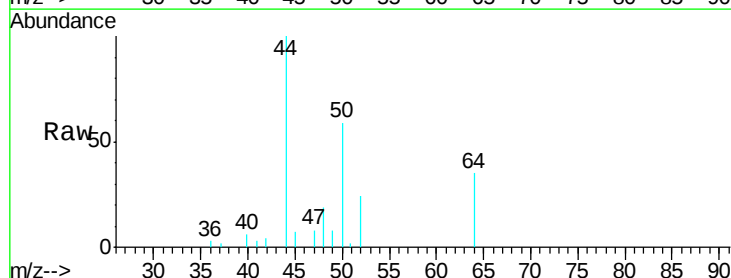
Acq: 04 Oct 2019 19:18

Tgt Ion: 50 Resp: 1553

Ion Ratio Lower Upper

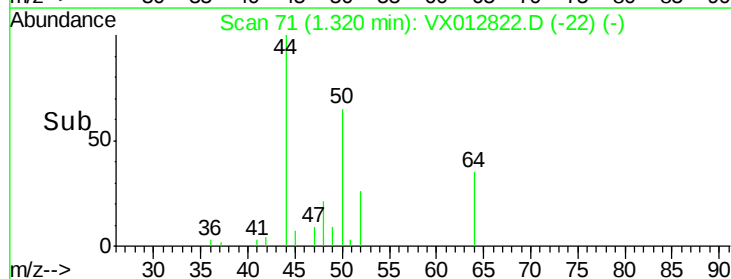
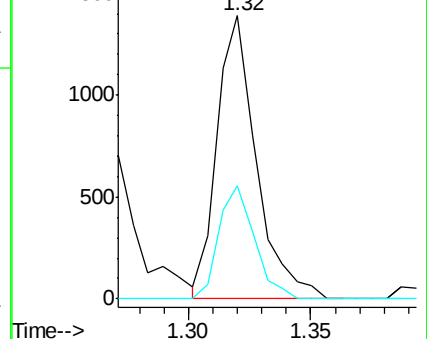
50 100

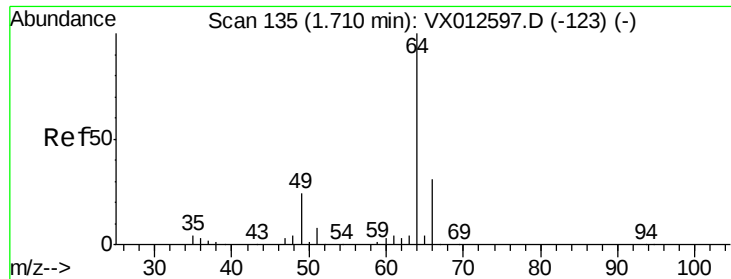
52 39.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.427 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.09 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

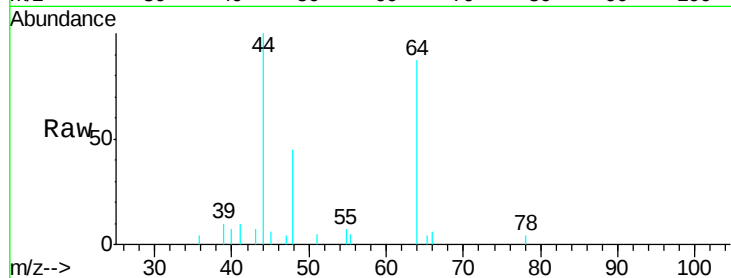
FC-MW05S-20191002

Tgt Ion: 64 Resp: 653

Ion Ratio Lower Upper

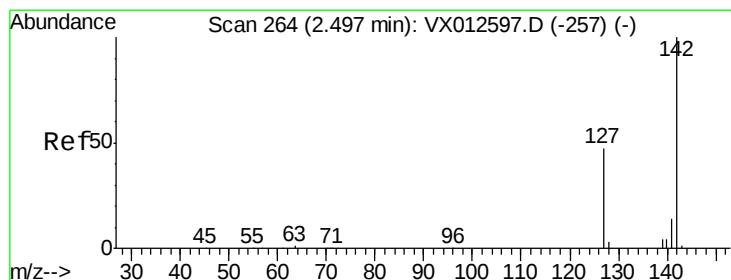
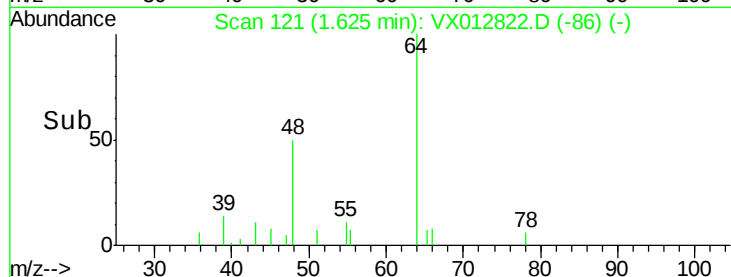
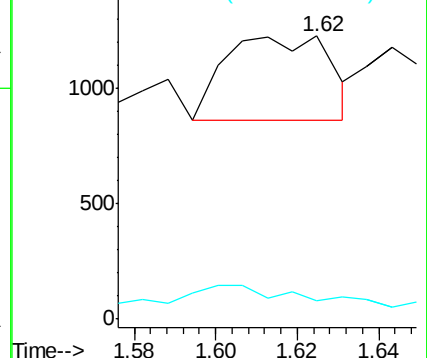
64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.972 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

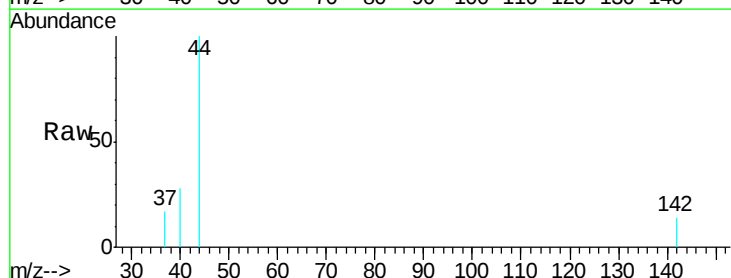
Tgt Ion: 142 Resp: 43

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

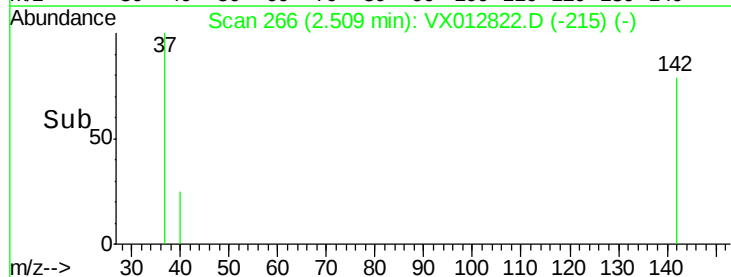
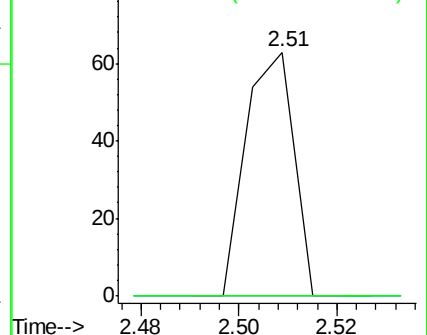
141 0.0 12.1 18.1#

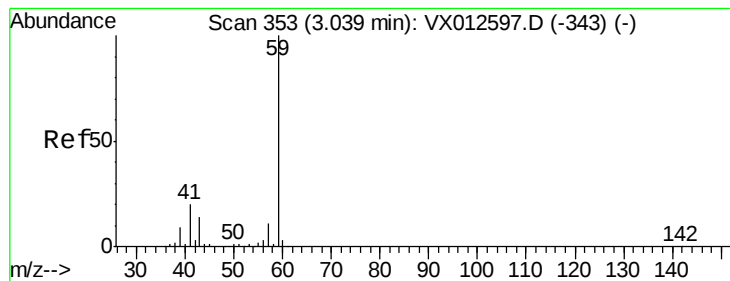


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



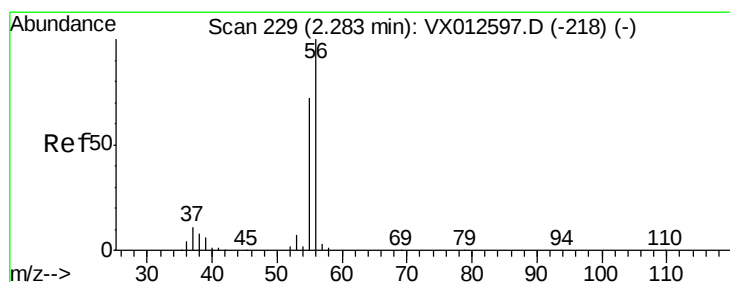
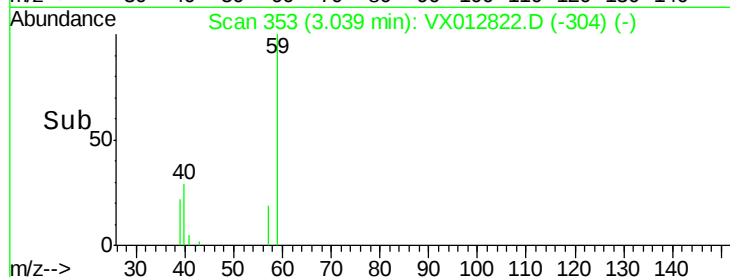
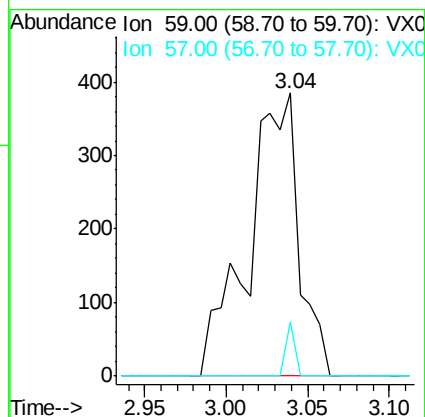
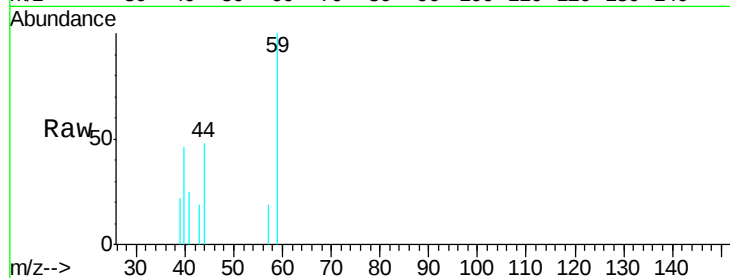


#11

Tert butyl alcohol
 Concen: 1.292 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012822.D
 Acq: 04 Oct 2019 19:18

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW05S-20191002

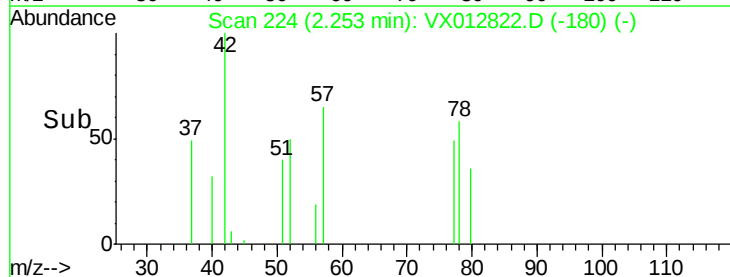
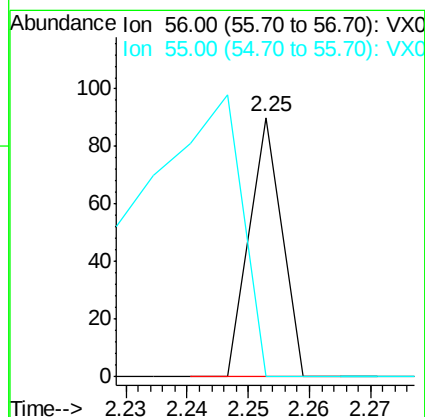
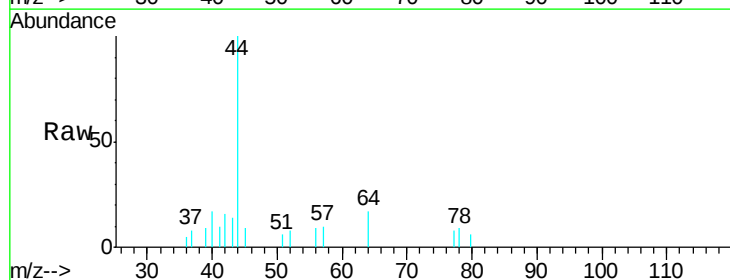
Tgt Ion: 59 Resp: 830
 Ion Ratio Lower Upper
 59 100
 57 3.3 8.3 12.5#

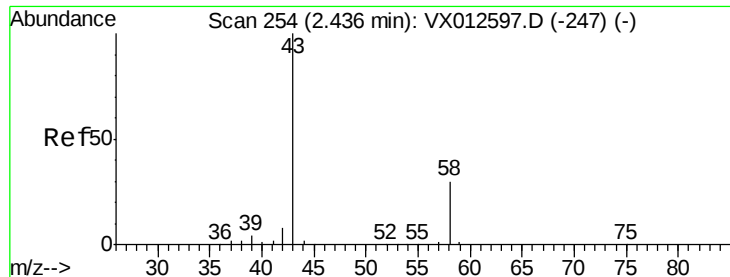


#13

Acrolein
 Concen: 10.321 ug/l
 RT: 2.25 min Scan# 224
 Delta R.T. -0.03 min
 Lab File: VX012822.D
 Acq: 04 Oct 2019 19:18

Tgt Ion: 56 Resp: 33
 Ion Ratio Lower Upper
 56 100
 55 333.3 55.8 83.8#





#16

Acetone

Concen: 5.787 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

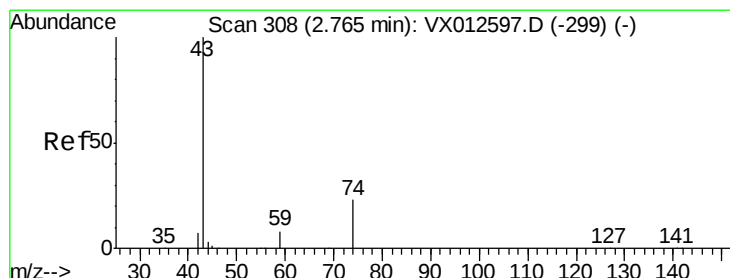
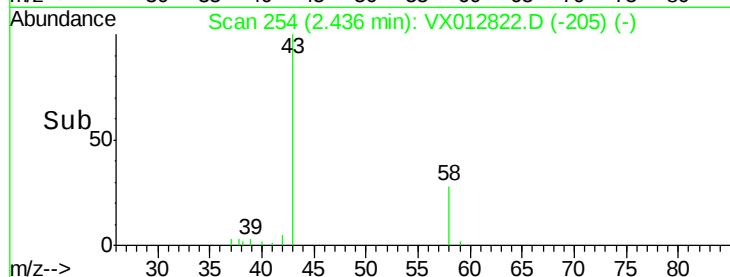
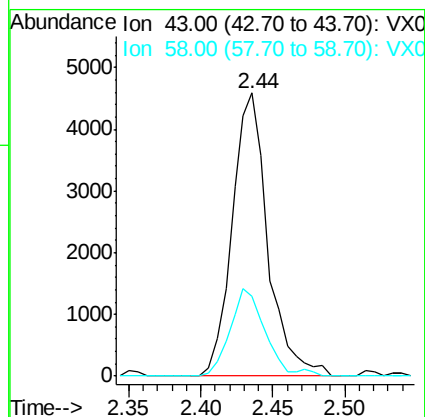
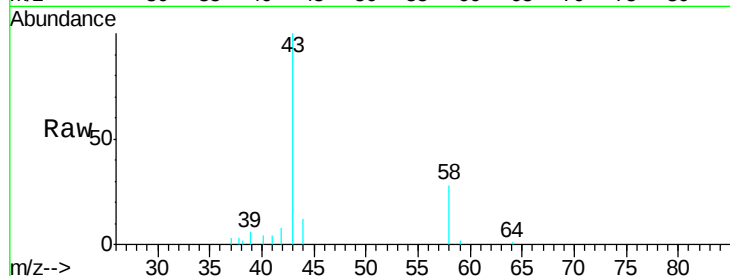
FC-MW05S-20191002

Tgt Ion: 43 Resp: 7883

Ion Ratio Lower Upper

43 100

58 28.3 23.3 34.9



#18

Methyl Acetate

Concen: 2.781 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012822.D

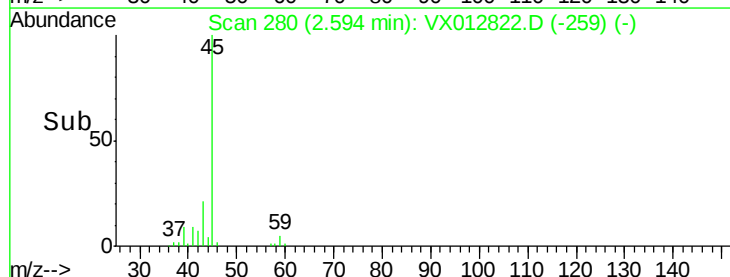
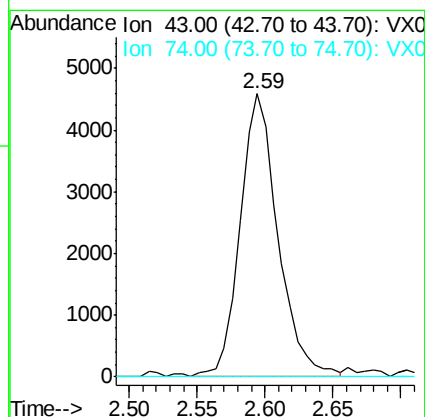
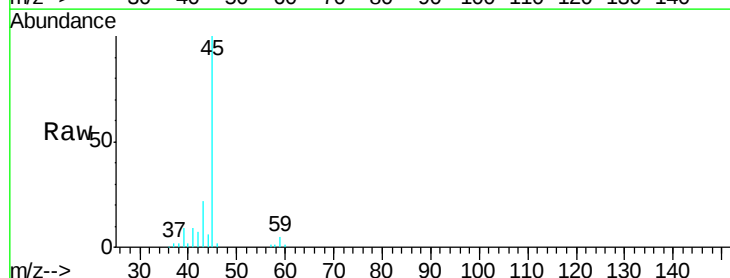
Acq: 04 Oct 2019 19:18

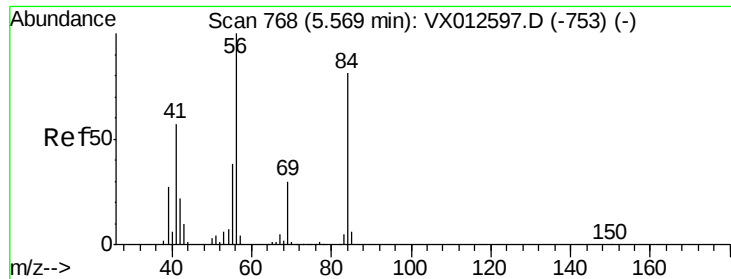
Tgt Ion: 43 Resp: 8919

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

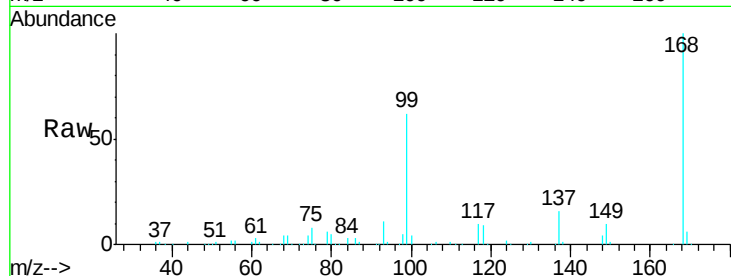




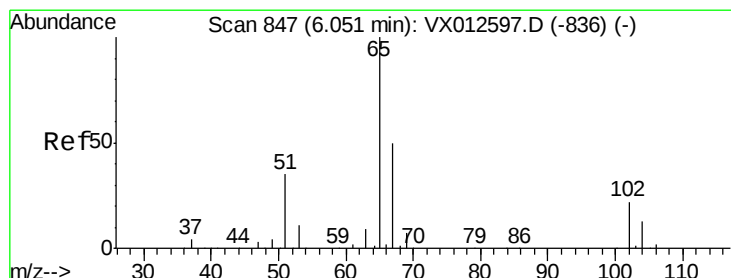
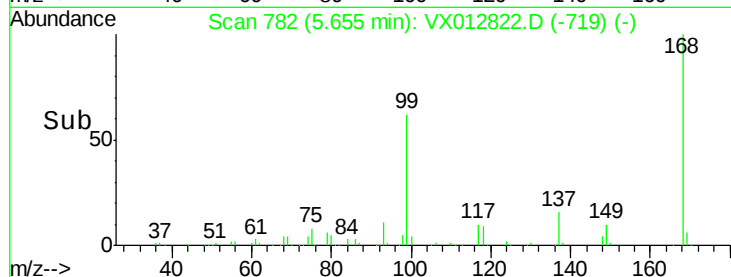
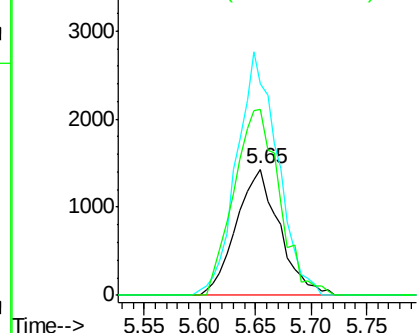
#31
Cyclohexane
Concen: 1.082 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012822.D
Acq: 04 Oct 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :
FC-MW05S-20191002

Tgt Ion: 56 Resp: 3874
Ion Ratio Lower Upper
56 100
69 167.7 25.0 37.6#
84 147.2 66.4 99.6#

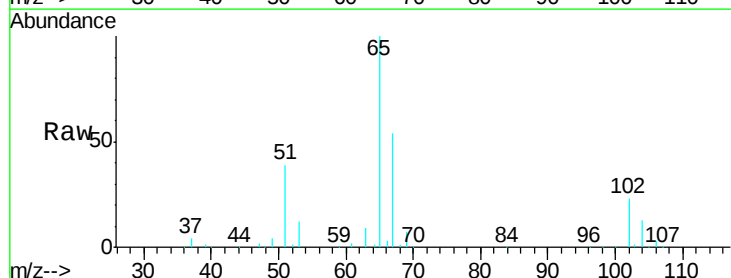


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

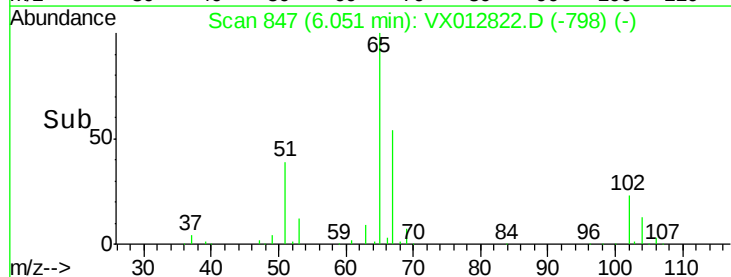
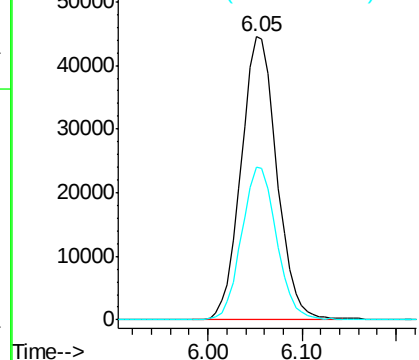


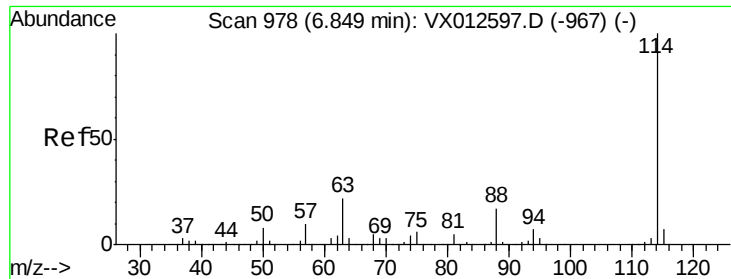
#33
1,2-Dichloroethane-d4
Concen: 45.915 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012822.D
Acq: 04 Oct 2019 19:18

Tgt Ion: 65 Resp: 118079
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

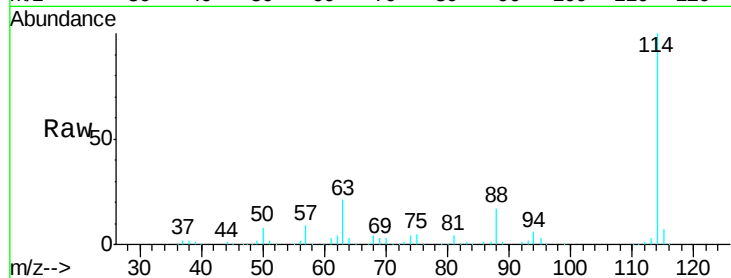




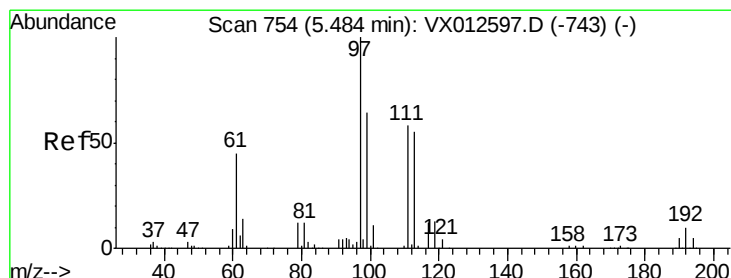
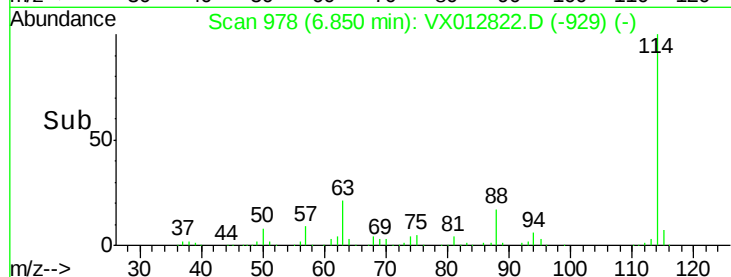
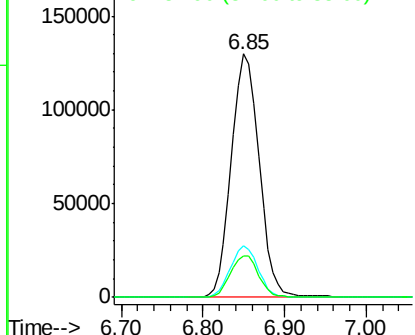
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012822.D
Acq: 04 Oct 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :
FC-MW05S-20191002

Tgt Ion:114 Resp: 307369
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.2
88 17.1 0.0 33.2

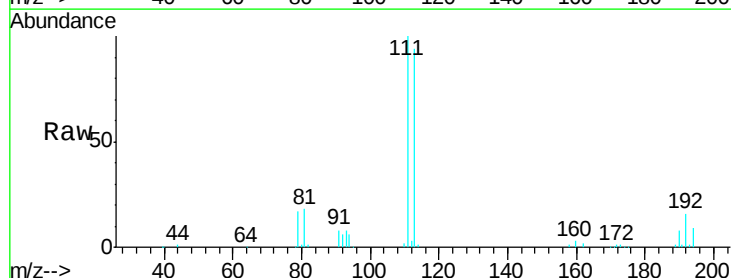


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

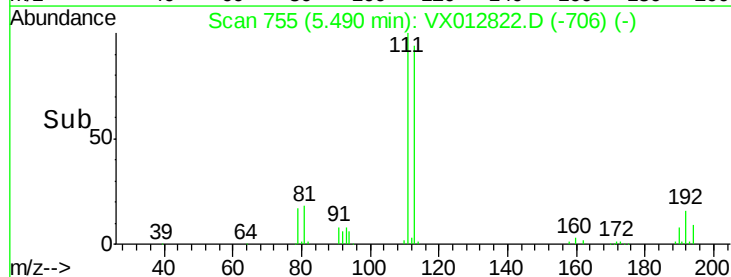
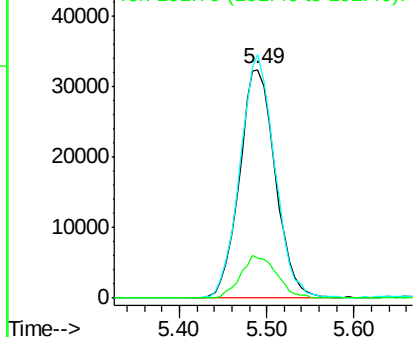


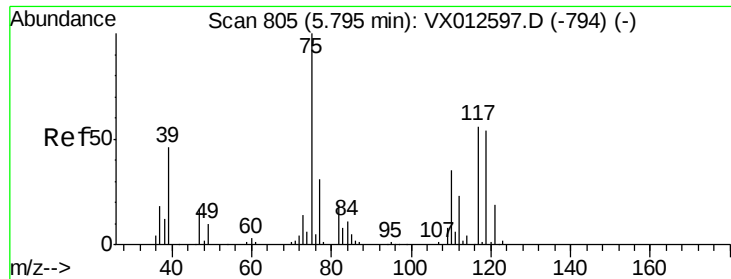
#35
Dibromofluoromethane
Concen: 50.584 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012822.D
Acq: 04 Oct 2019 19:18

Tgt Ion:113 Resp: 92595
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 18.8 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

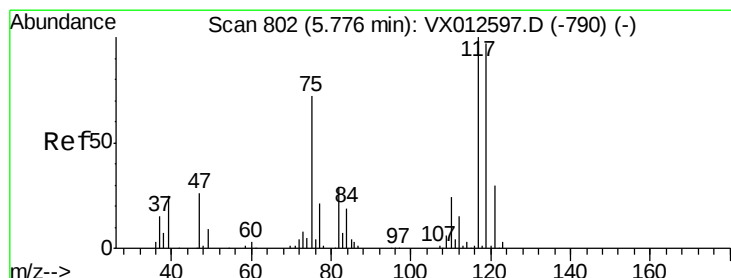
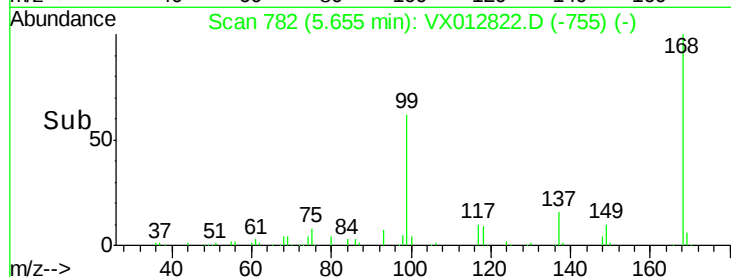
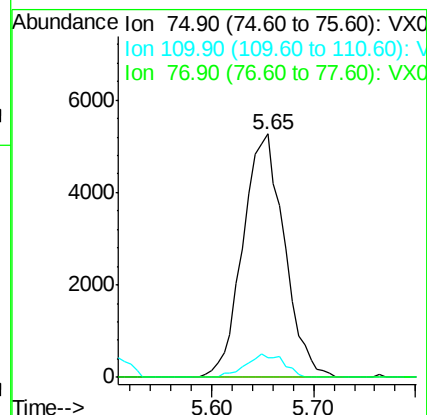
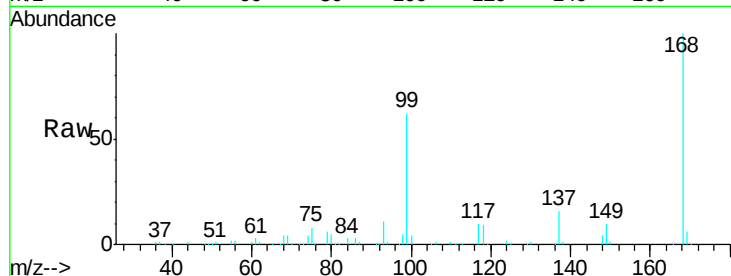




#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012822.D
 Acq: 04 Oct 2019 19:18

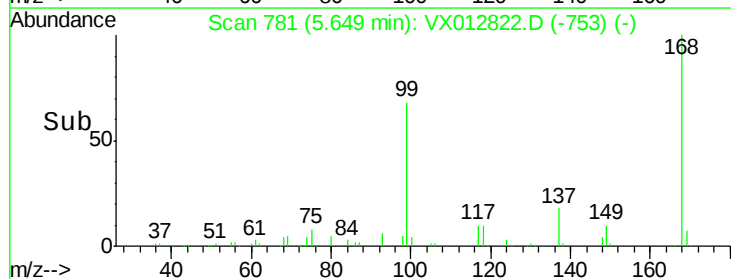
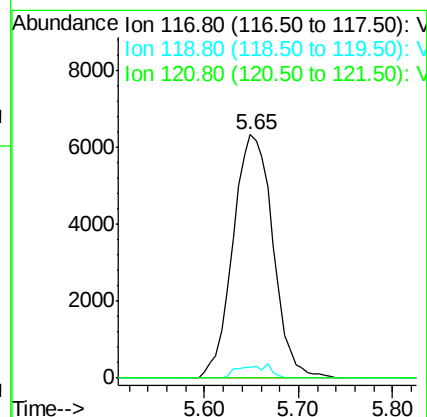
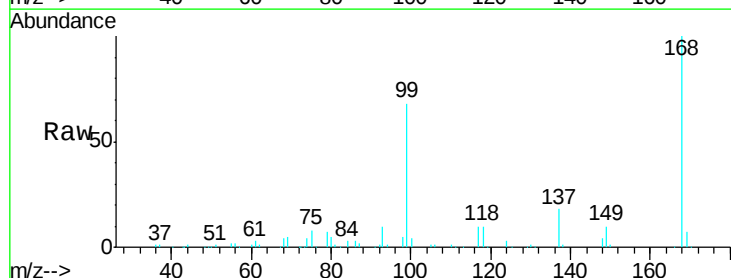
Instrument :
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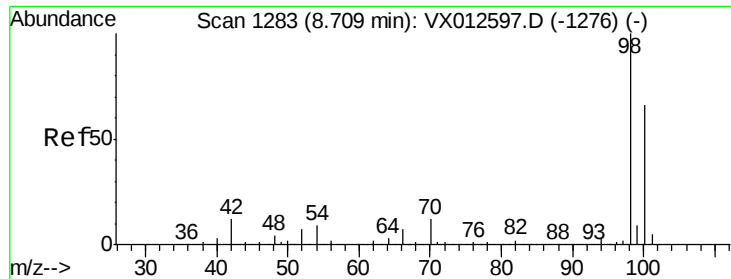
Tgt Ion: 75 Resp: 14874
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.220 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012822.D
 Acq: 04 Oct 2019 19:18

Tgt Ion: 117 Resp: 18721
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 51.023 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

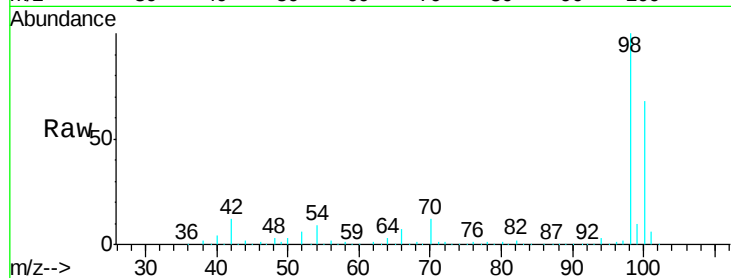
FC-MW05S-20191002

Tgt Ion: 98 Resp: 359685

Ion Ratio Lower Upper

98 100

100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

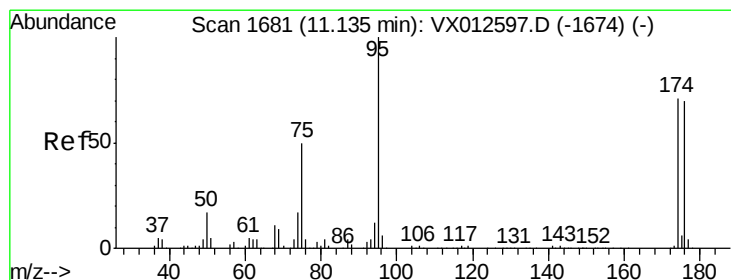
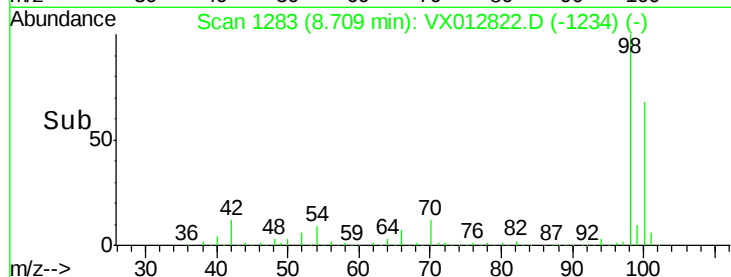
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.901 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

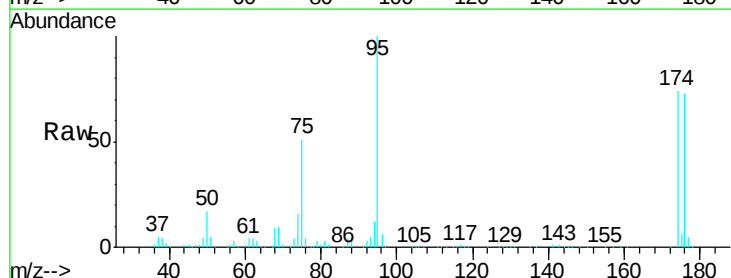
Tgt Ion: 95 Resp: 124459

Ion Ratio Lower Upper

95 100

174 71.4 0.0 140.0

176 67.9 0.0 135.4



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

120000

100000

80000

60000

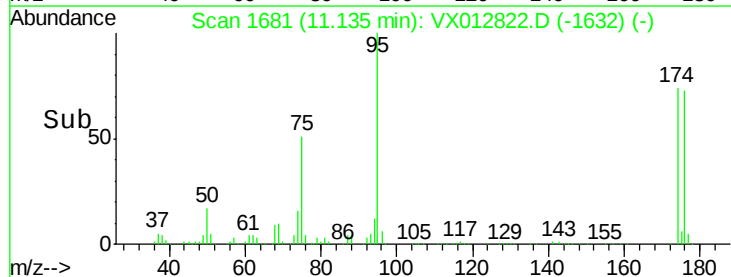
40000

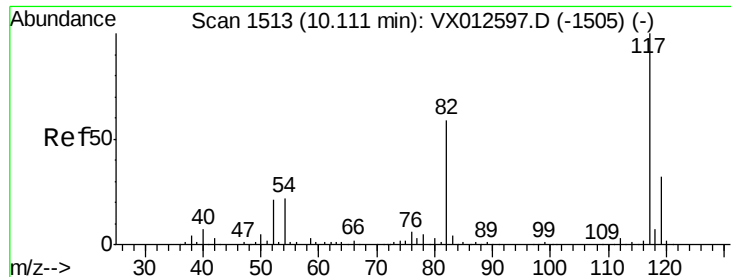
20000

0

11.10 11.20

Time-->

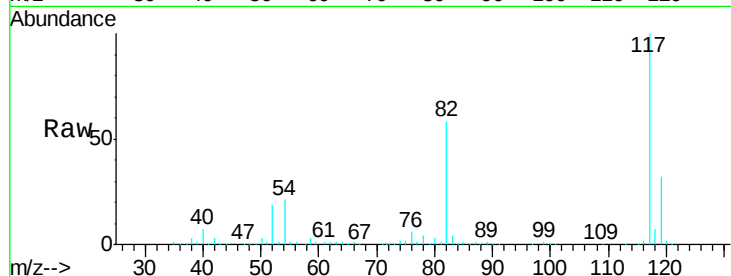




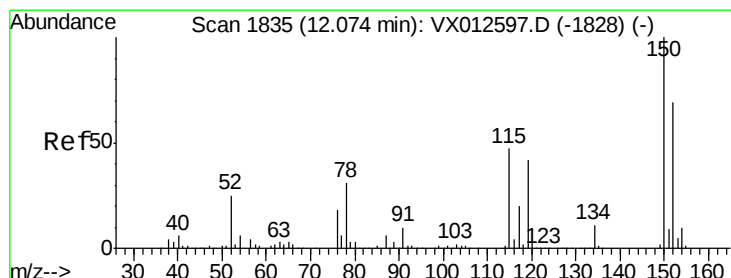
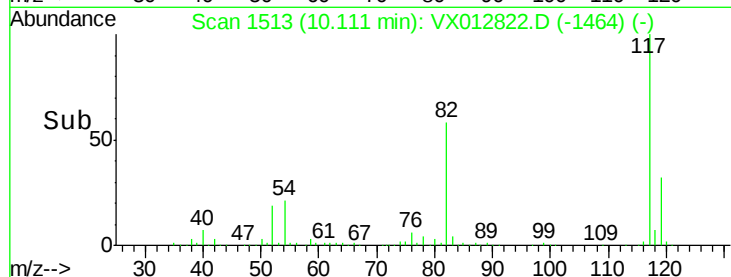
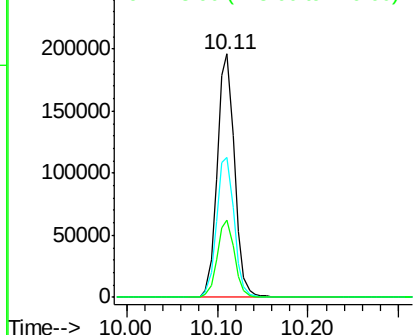
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012822.D
Acq: 04 Oct 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :
FC-MW05S-20191002

Tgt Ion:117 Resp: 263085
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 31.6 25.3 37.9

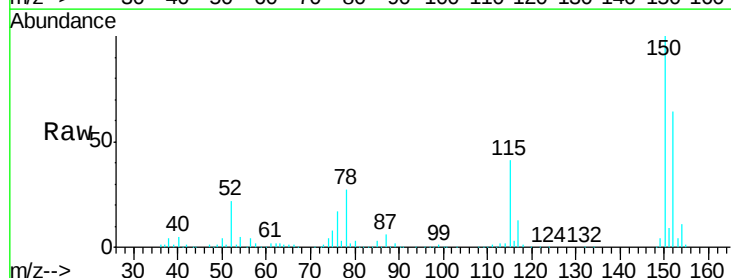


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

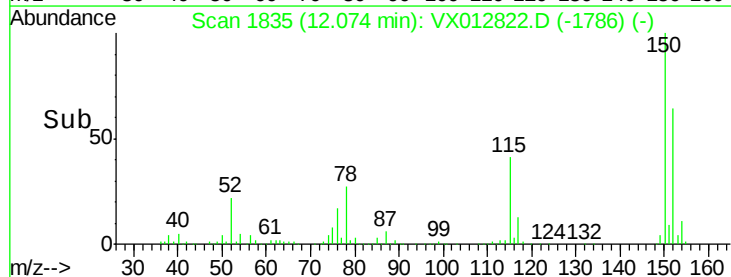
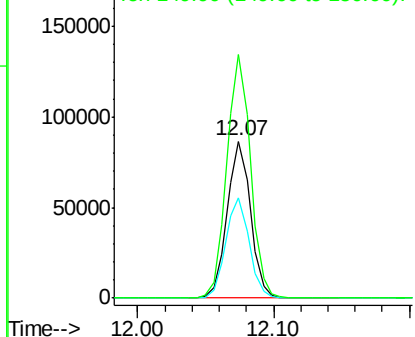


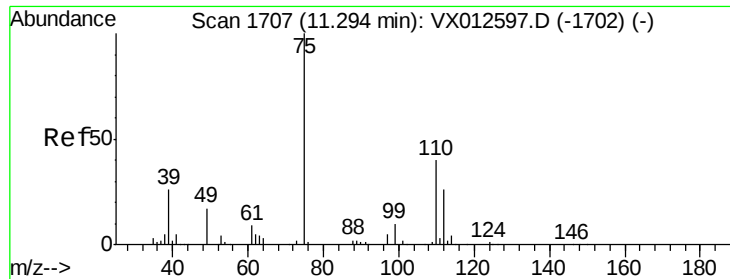
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012822.D
Acq: 04 Oct 2019 19:18

Tgt Ion:152 Resp: 103118
Ion Ratio Lower Upper
152 100
115 64.2 44.1 132.3
150 157.1 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: 23.136 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

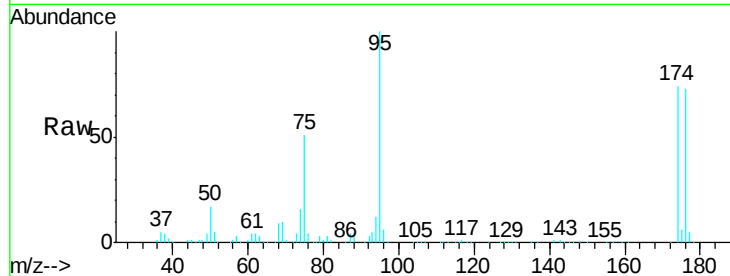
FC-MW05S-20191002

Tgt Ion: 75 Resp: 63110

Ion Ratio Lower Upper

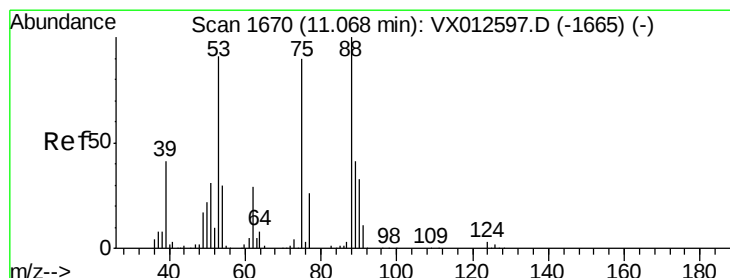
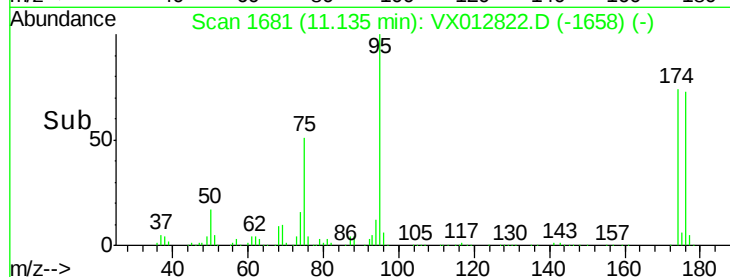
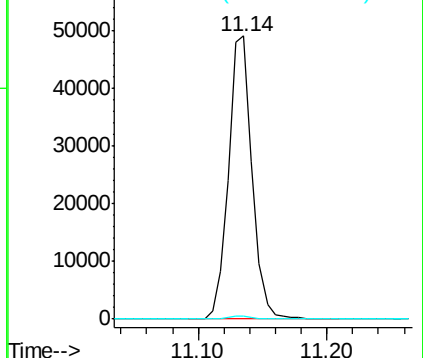
75 100

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: 66.304 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012822.D

Acq: 04 Oct 2019 19:18

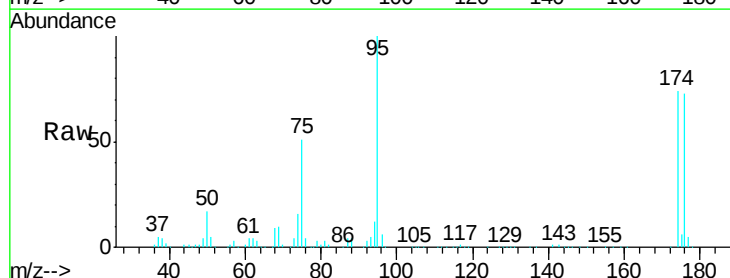
Tgt Ion: 75 Resp: 63110

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

