

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012817.D
 Acq On : 04 Oct 2019 17:21
 Operator : JC/SP
 Sample : K5189-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW02IR1-20191001

Quant Time: Oct 05 04:24:09 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	174734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98763	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	117986	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	5.49	113	92865	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	8.71	98	356504	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.14	95	120500	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

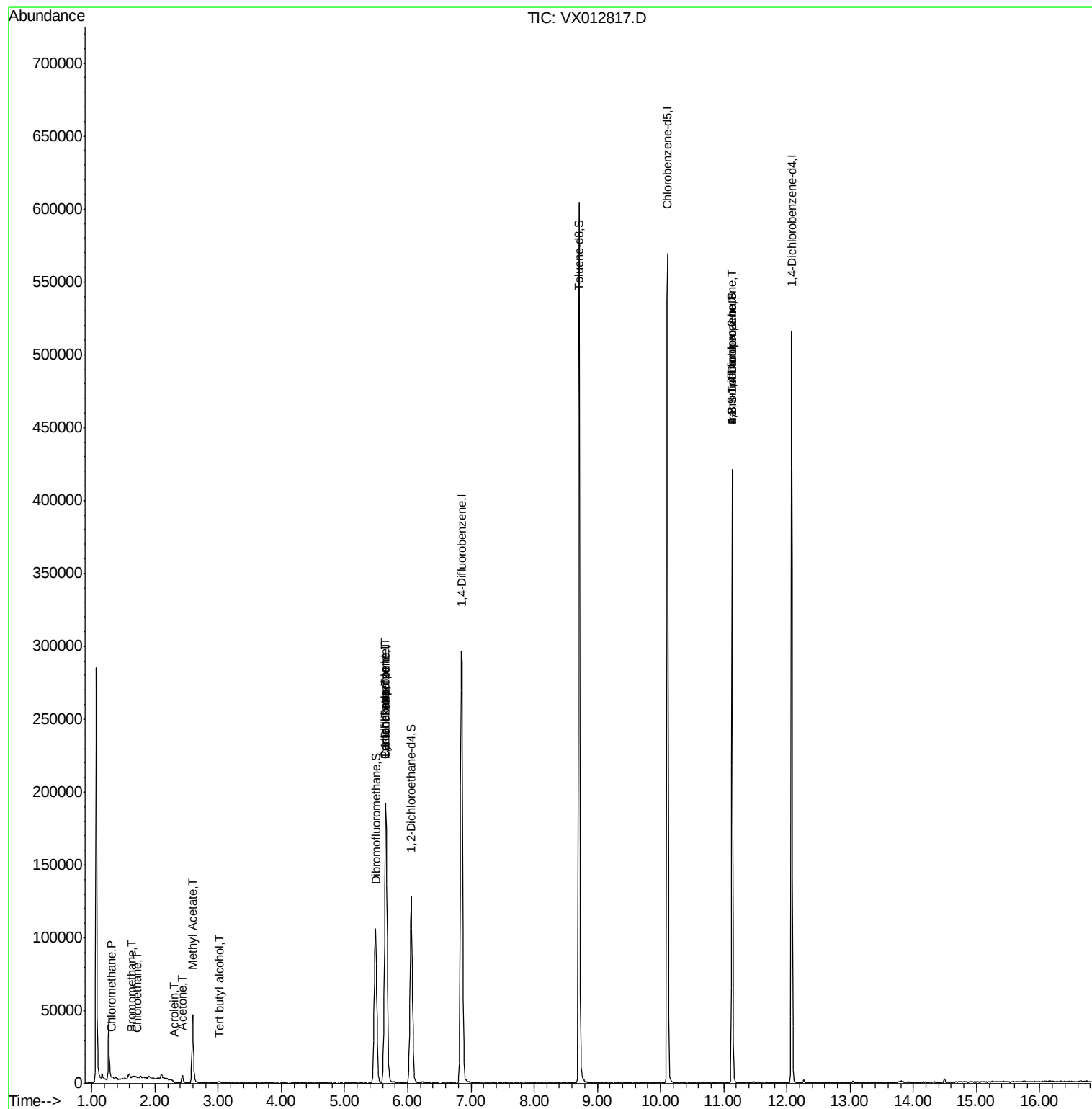
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	467	0.207	ug/l #	83
5) Bromomethane	1.64	94	214	0.243	ug/l #	37
6) Chloroethane	1.72	64	369	0.244	ug/l #	51
11) Tert butyl alcohol	3.03	59	1240	1.951	ug/l #	72
13) Acrolein	2.30	56	58	10.390	ug/l #	15
16) Acetone	2.44	43	5678	4.213	ug/l #	83
18) Methyl Acetate	2.59	43	11507	3.626	ug/l #	54
31) Cyclohexane	5.65	56	4022	1.136	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	14534	5.003	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18610	6.307	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	61120	23.395	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61120	67.045	ug/l #	8

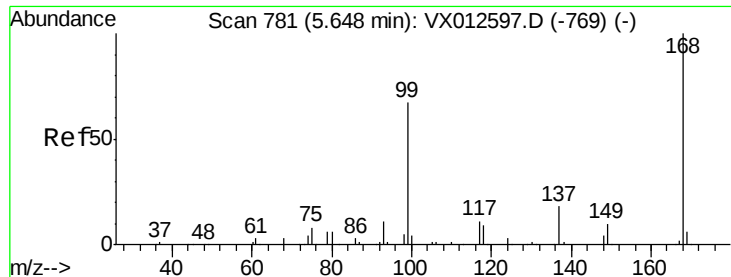
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012817.D

Acq: 04 Oct 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

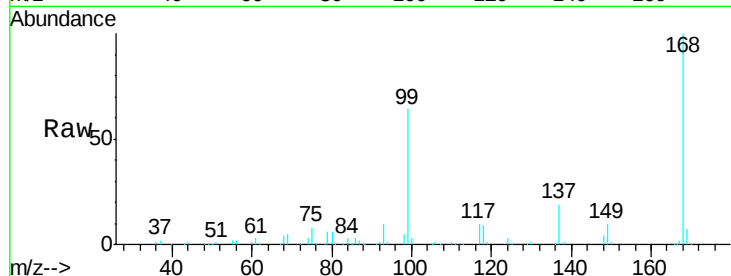
FC-MW02IR1-20191001

Tgt Ion:168 Resp: 174734

Ion Ratio Lower Upper

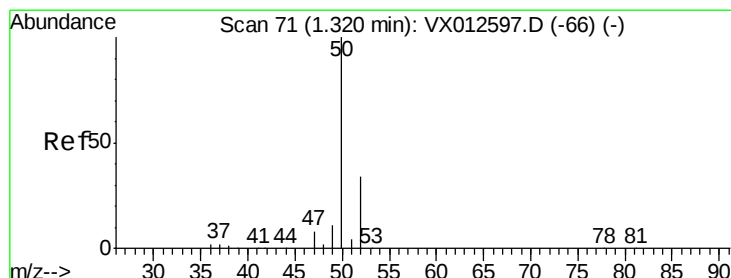
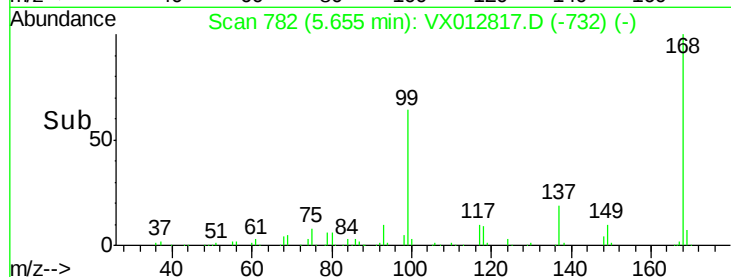
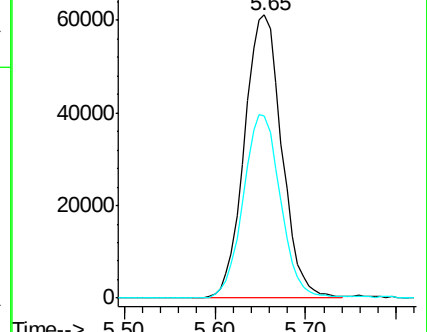
168 100

99 64.3 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: 0.207 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012817.D

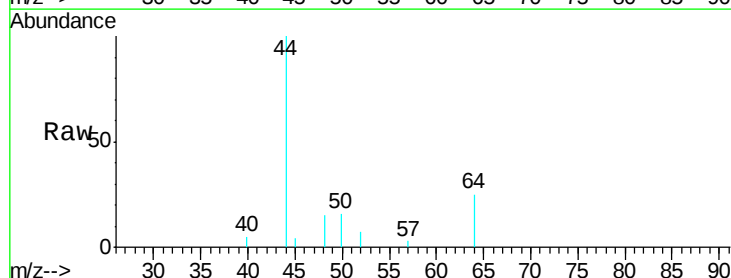
Acq: 04 Oct 2019 17:21

Tgt Ion: 50 Resp: 467

Ion Ratio Lower Upper

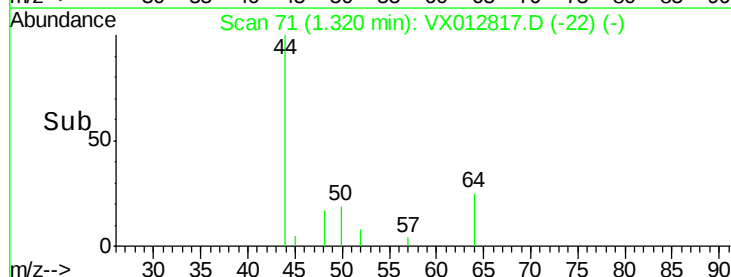
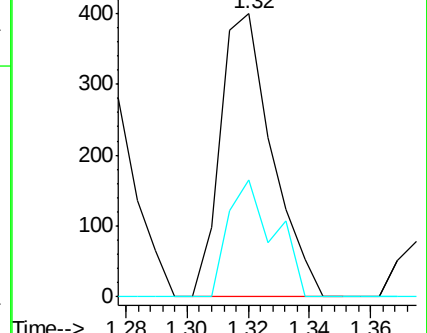
50 100

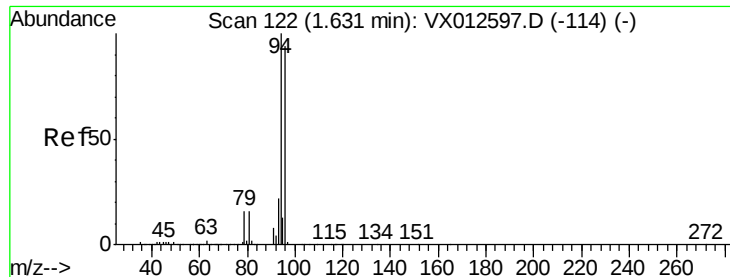
52 41.4 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.243 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012817.D

Acq: 04 Oct 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

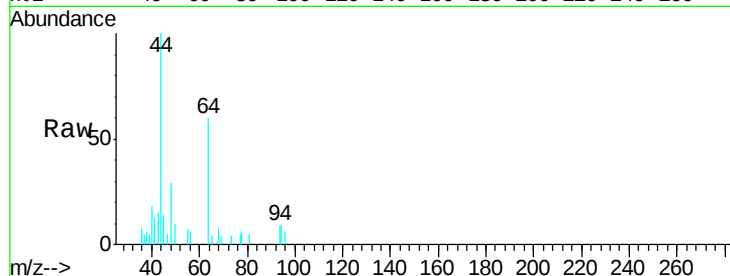
FC-MW02IR1-20191001

Tgt Ion: 94 Resp: 214

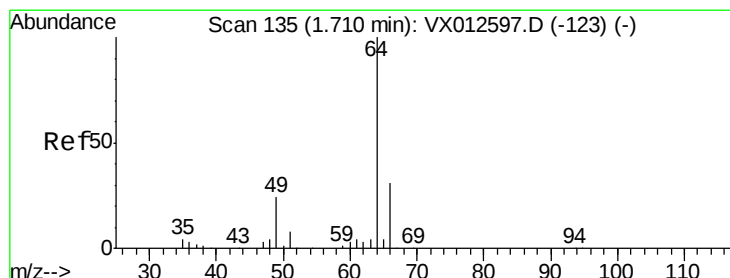
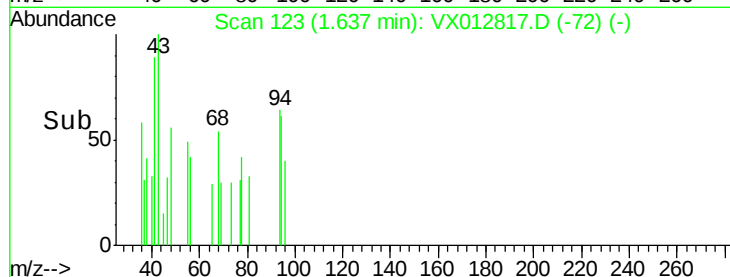
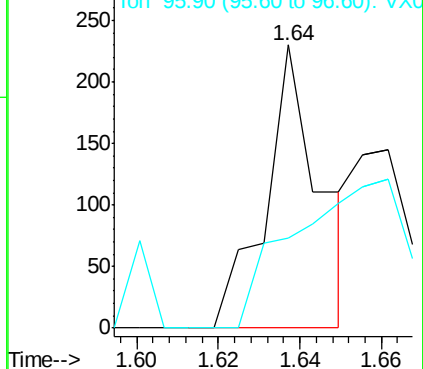
Ion Ratio Lower Upper

94 100

96 31.7 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012817.D

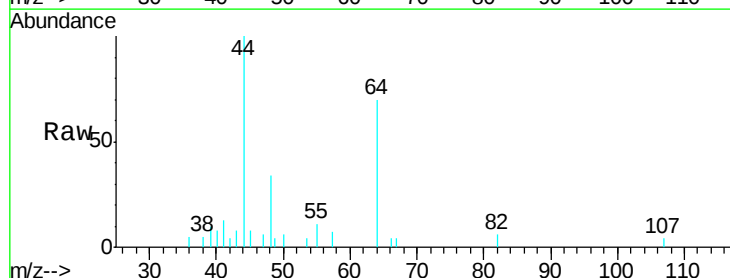
Acq: 04 Oct 2019 17:21

Tgt Ion: 64 Resp: 369

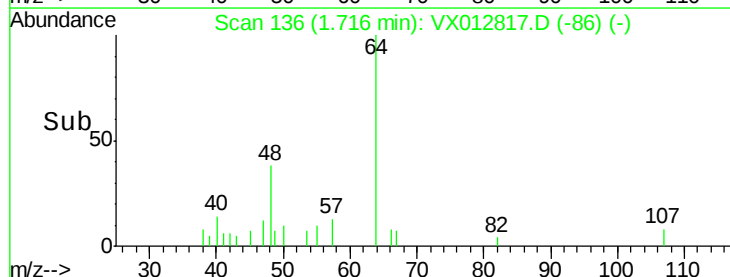
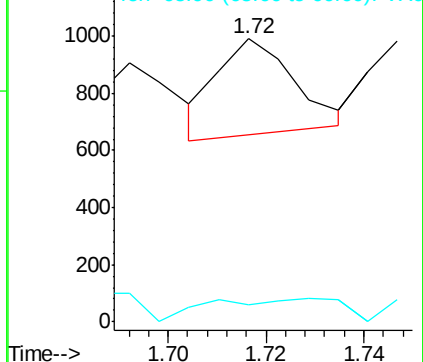
Ion Ratio Lower Upper

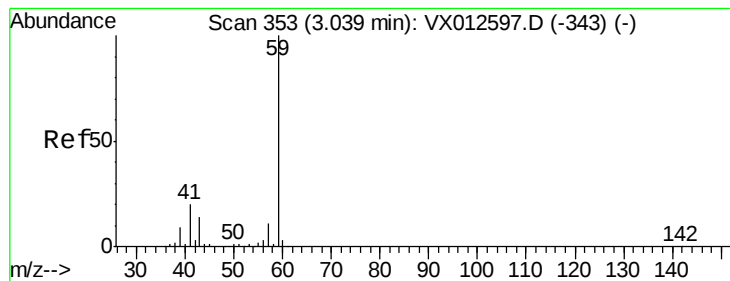
64 100

66 3.2 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0



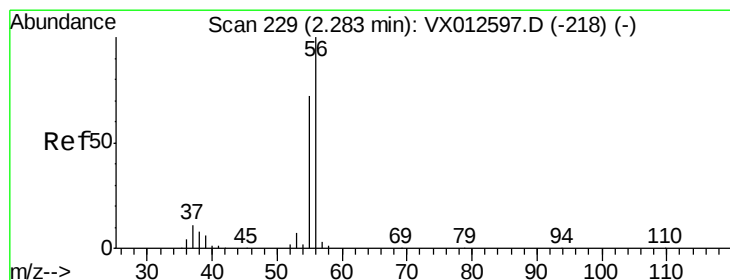
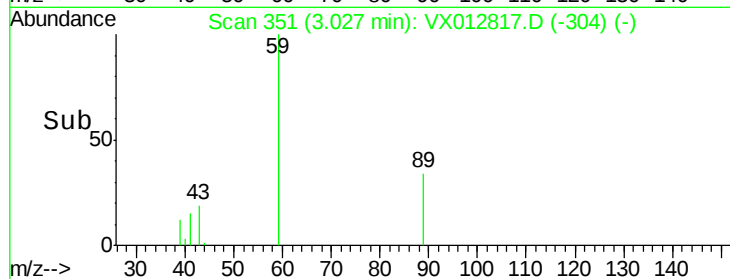
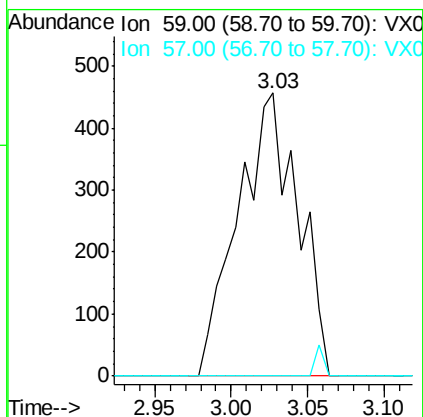
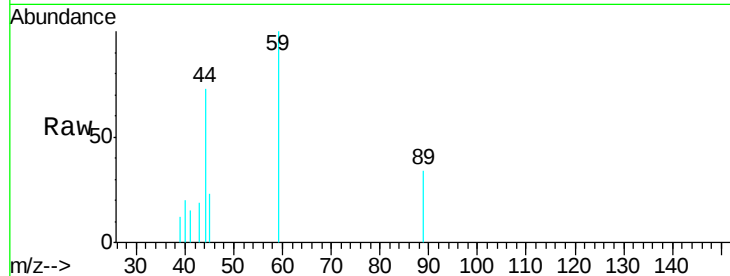


#11

Tert butyl alcohol
 Concen: 1.951 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012817.D
 Acq: 04 Oct 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW02IR1-20191001

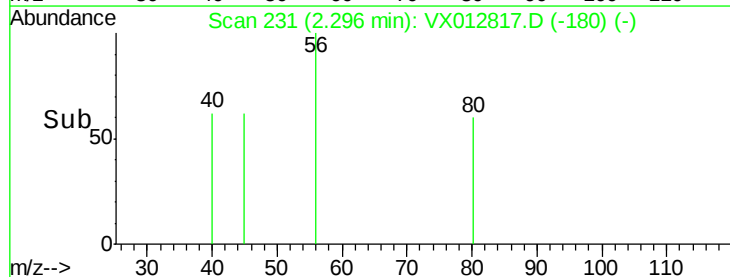
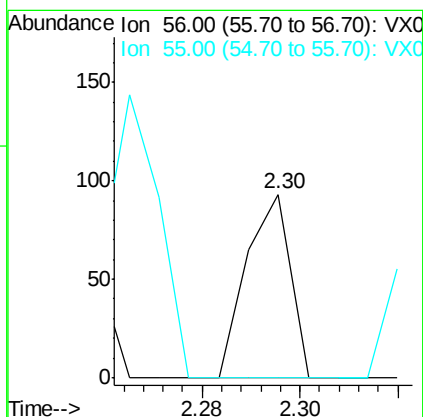
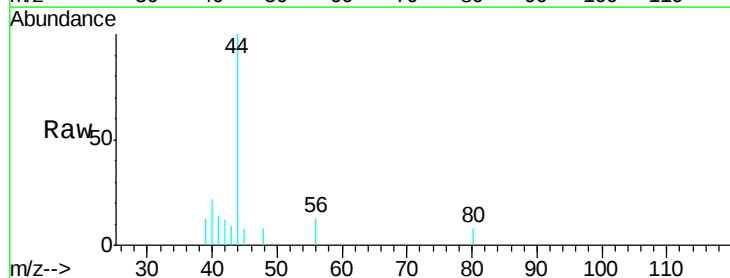
Tgt Ion: 59 Resp: 1240
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

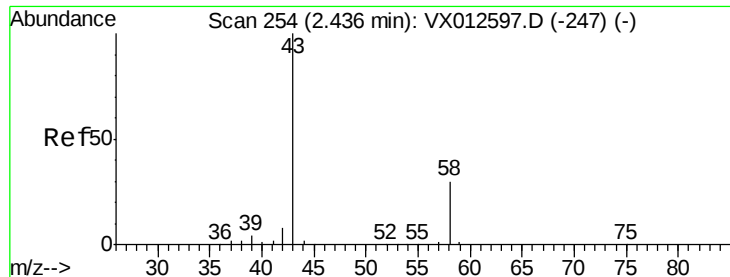


#13

Acrolein
 Concen: 10.390 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX012817.D
 Acq: 04 Oct 2019 17:21

Tgt Ion: 56 Resp: 58
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 4.213 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012817.D

Acq: 04 Oct 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

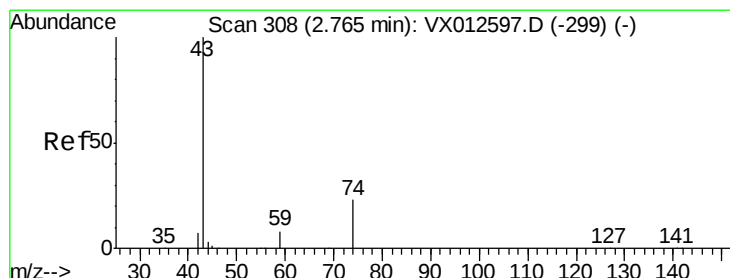
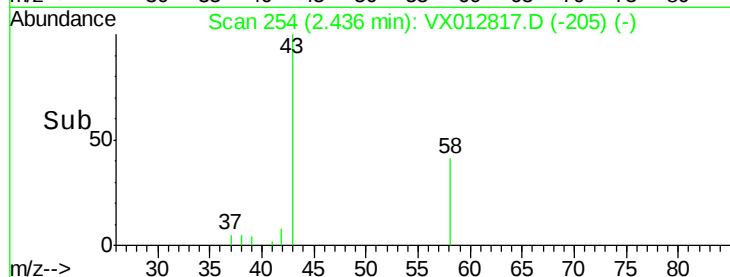
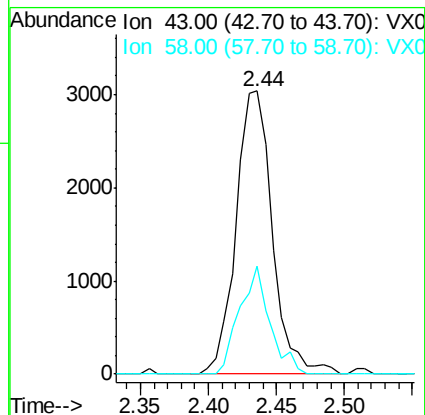
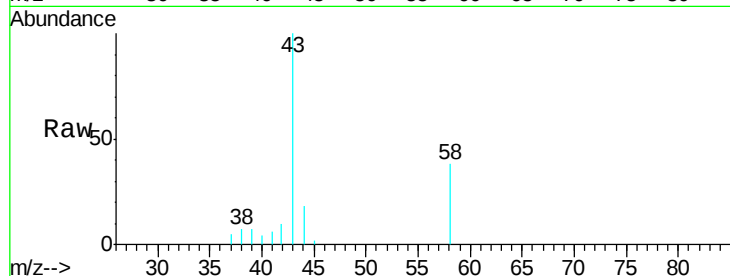
FC-MW02IR1-20191001

Tgt Ion: 43 Resp: 5678

Ion Ratio Lower Upper

43 100

58 38.1 23.3 34.9#



#18

Methyl Acetate

Concen: 3.626 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012817.D

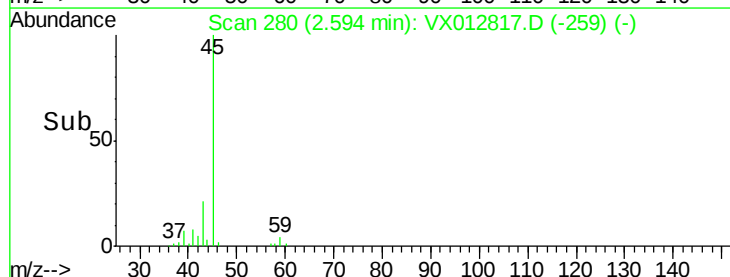
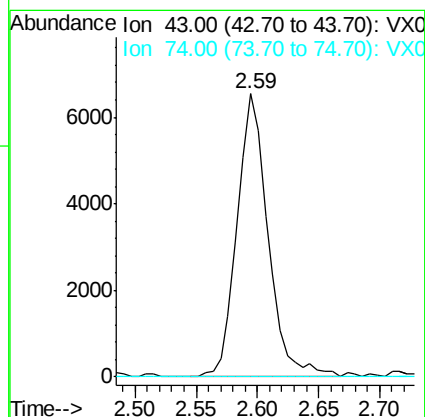
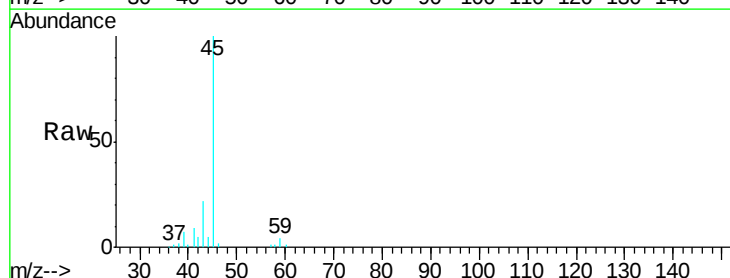
Acq: 04 Oct 2019 17:21

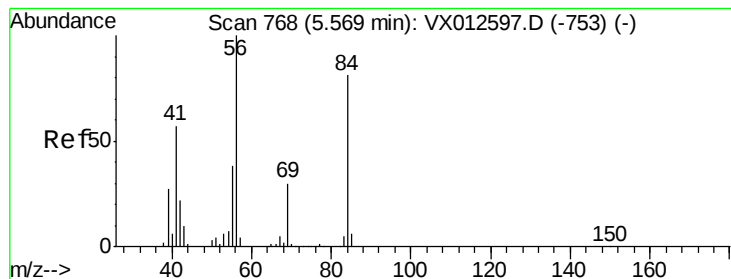
Tgt Ion: 43 Resp: 11507

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#31

Cyclohexane

Concen: 1.136 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012817.D

Acq: 04 Oct 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

FC-MW02IR1-20191001

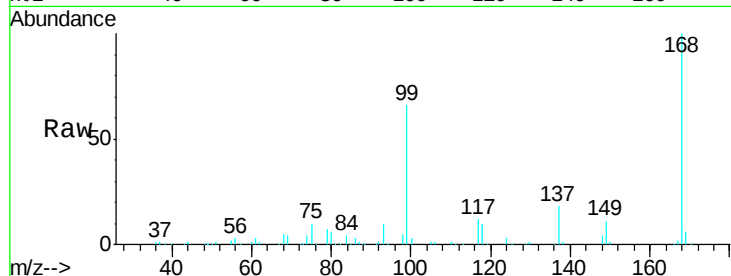
Tgt Ion: 56 Resp: 4022

Ion Ratio Lower Upper

56 100

69 147.3 25.0 37.6#

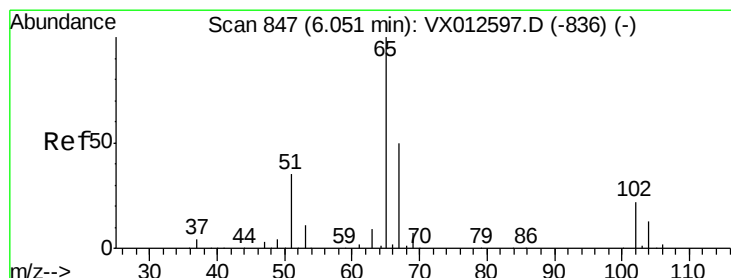
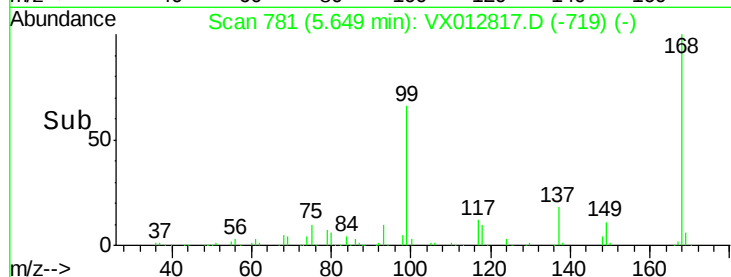
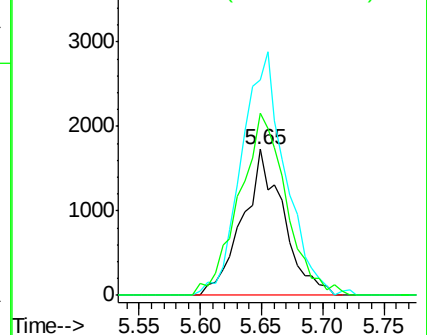
84 124.4 66.4 99.6#



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: 46.370 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012817.D

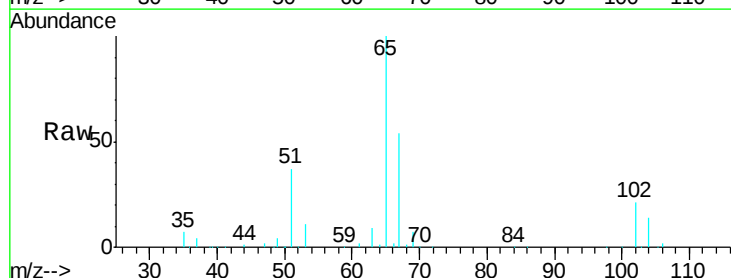
Acq: 04 Oct 2019 17:21

Tgt Ion: 65 Resp: 117986

Ion Ratio Lower Upper

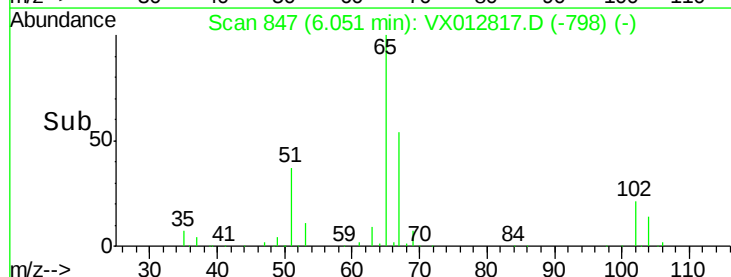
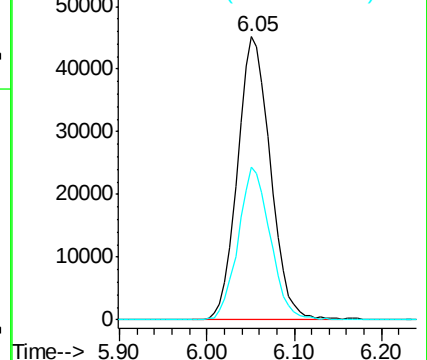
65 100

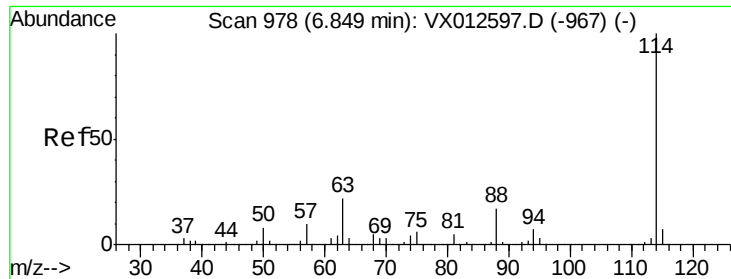
67 52.9 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

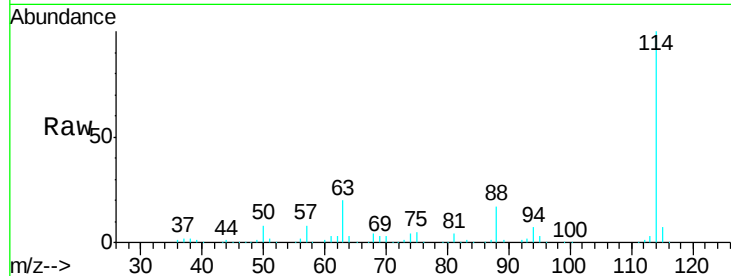




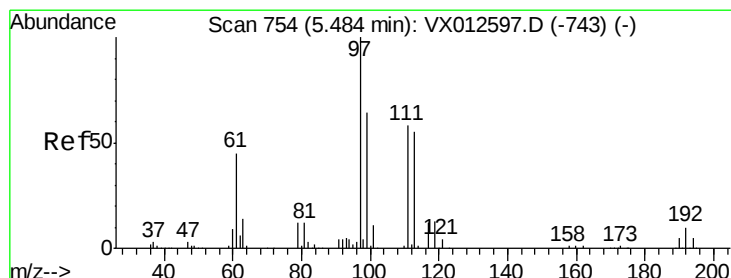
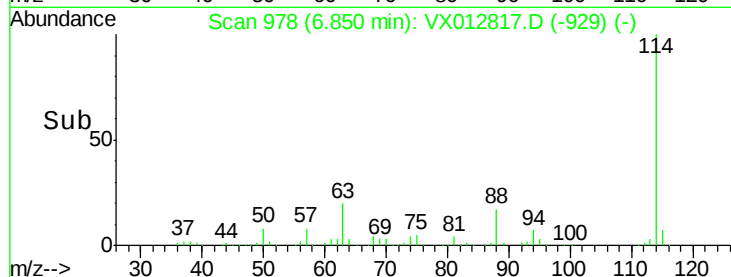
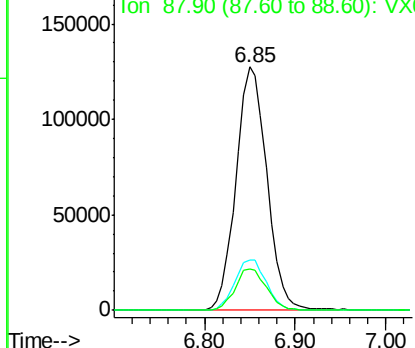
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012817.D
 Acq: 04 Oct 2019 17:21

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Tgt Ion:114 Resp: 301360
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.2
 88 17.2 0.0 33.2

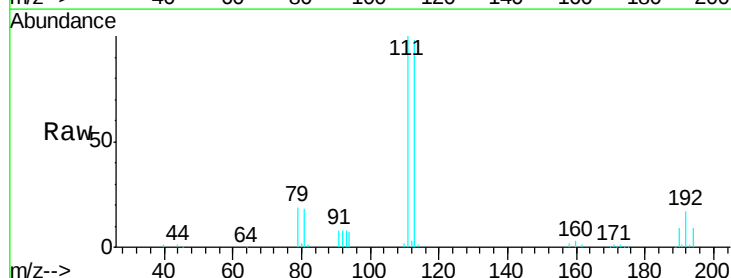


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

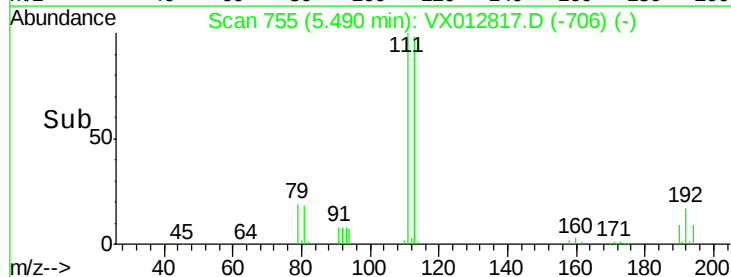
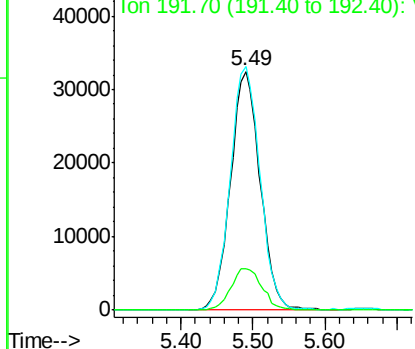


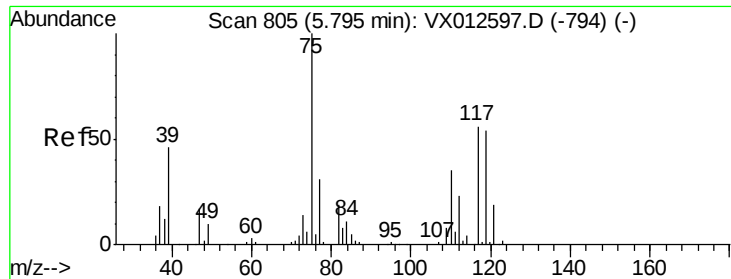
#35
 Dibromofluoromethane
 Concen: 51.743 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012817.D
 Acq: 04 Oct 2019 17:21

Tgt Ion:113 Resp: 92865
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.2
 192 18.4 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

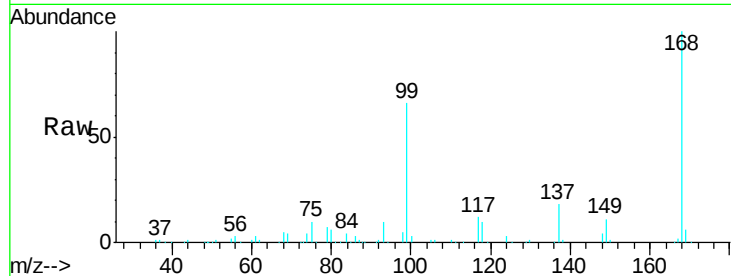




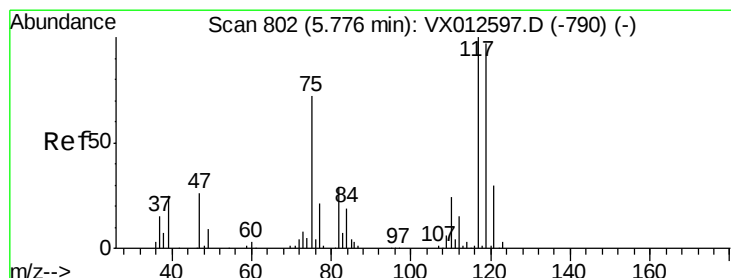
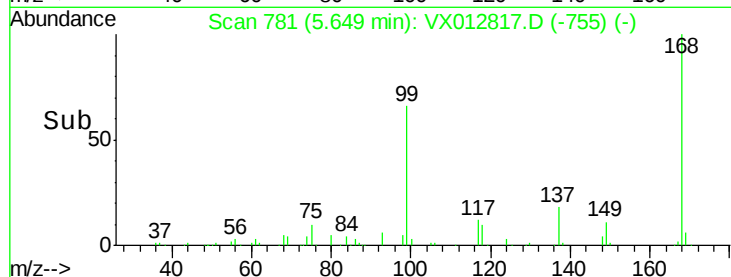
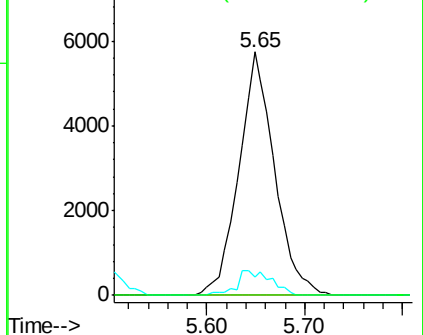
#36
 1,1-Dichloropropene
 Concen: 5.003 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012817.D
 Acq: 04 Oct 2019 17:21

Instrument :
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Tgt Ion: 75 Resp: 14534
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.7 50.0#
 77 0.0 24.2 36.2#

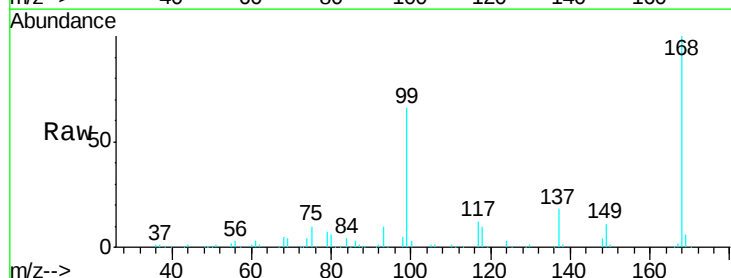


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

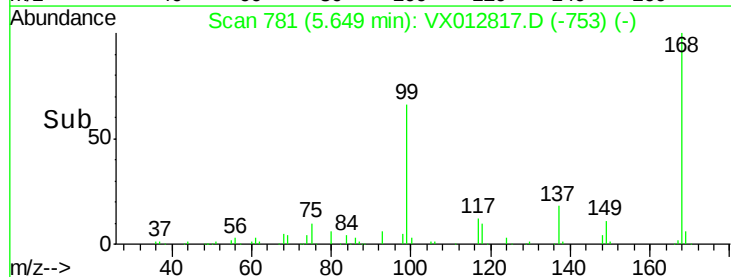
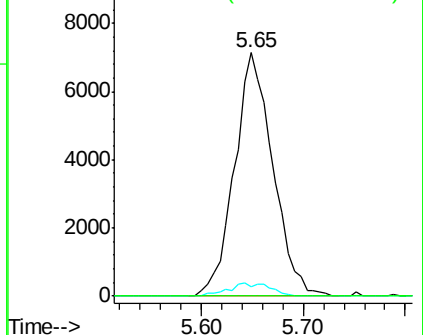


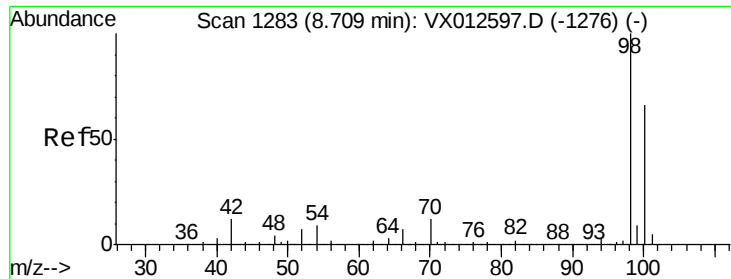
#38
 Carbon Tetrachloride
 Concen: 6.307 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012817.D
 Acq: 04 Oct 2019 17:21

Tgt Ion: 117 Resp: 18610
 Ion Ratio Lower Upper
 117 100
 119 3.8 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

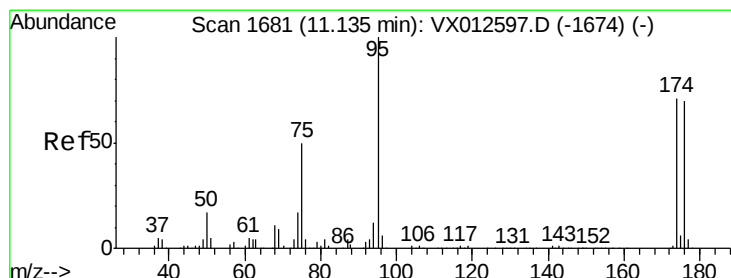
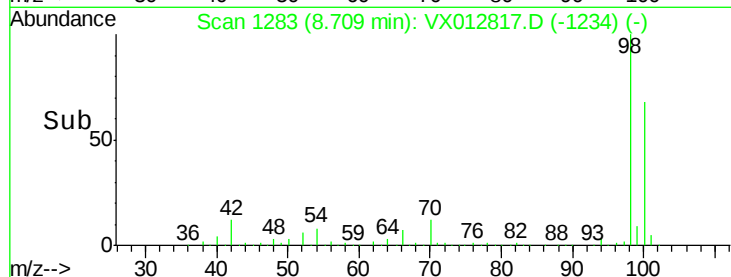
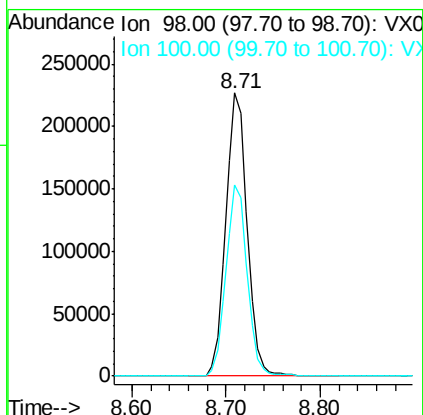
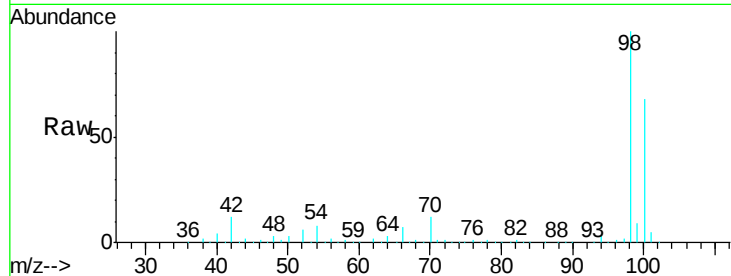




#50
Toluene-d8
Concen: 51.580 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012817.D
Acq: 04 Oct 2019 17:21

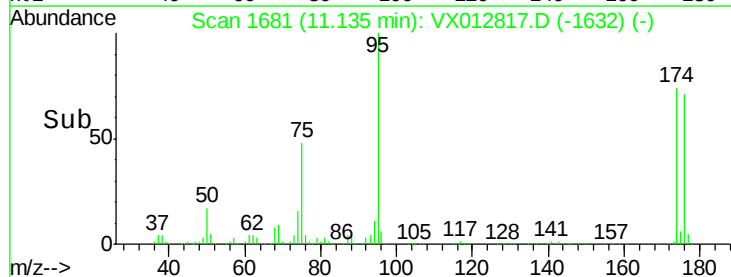
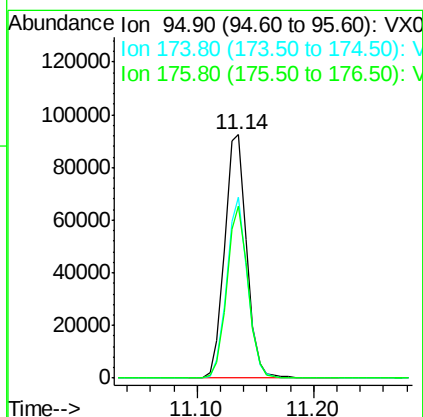
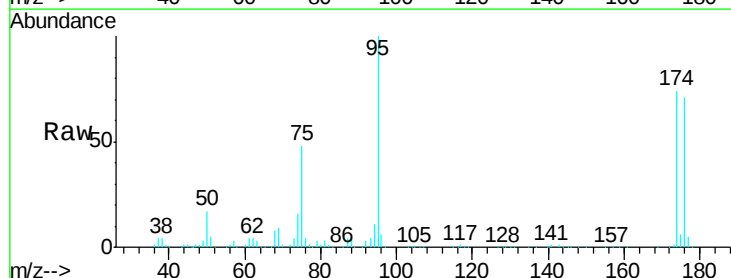
Instrument :
MSVOA_X
ClientSampleId :
FC-MW02IR1-20191001

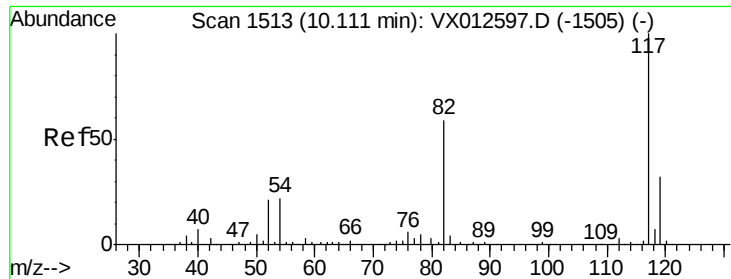
Tgt Ion: 98 Resp: 356504
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 44.339 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012817.D
Acq: 04 Oct 2019 17:21

Tgt Ion: 95 Resp: 120500
Ion Ratio Lower Upper
95 100
174 71.0 0.0 140.0
176 68.3 0.0 135.4

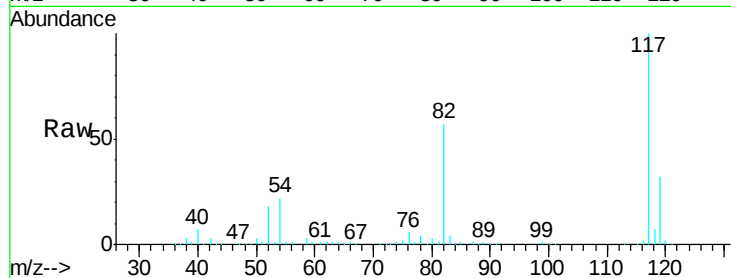




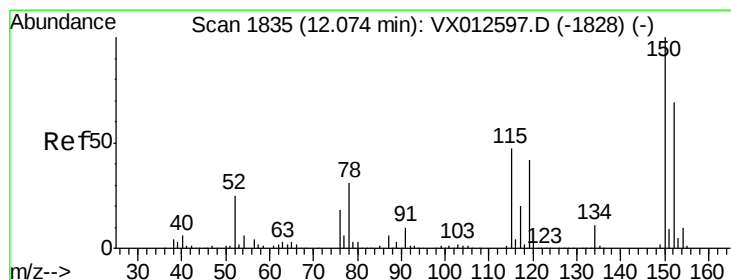
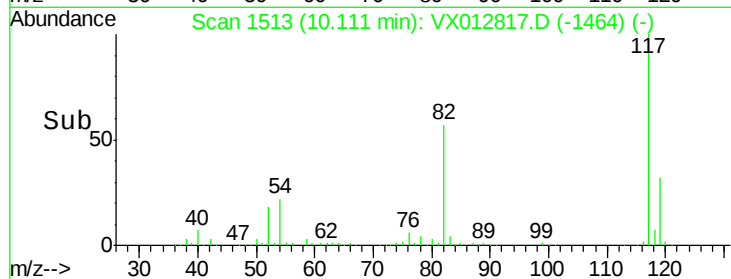
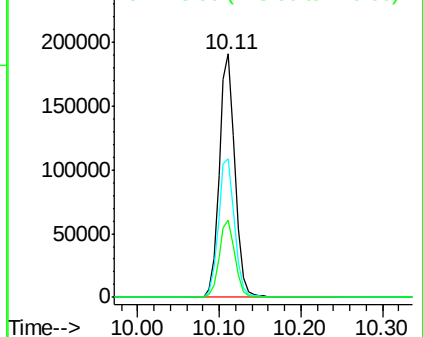
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012817.D
Acq: 04 Oct 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
FC-MW02IR1-20191001

Tgt Ion:117 Resp: 257474
Ion Ratio Lower Upper
117 100
82 57.2 45.9 68.9
119 31.8 25.3 37.9

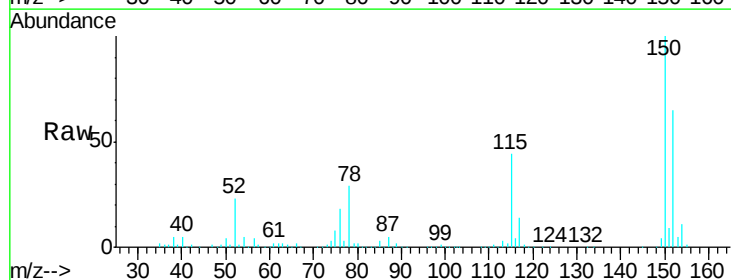


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

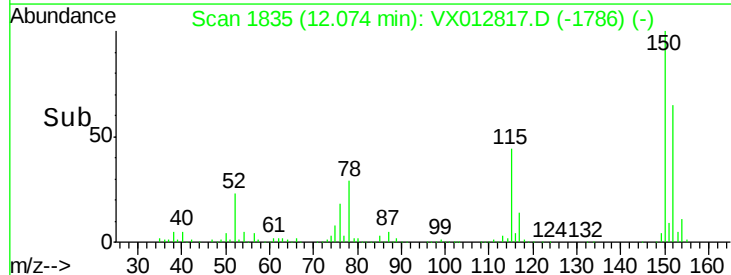
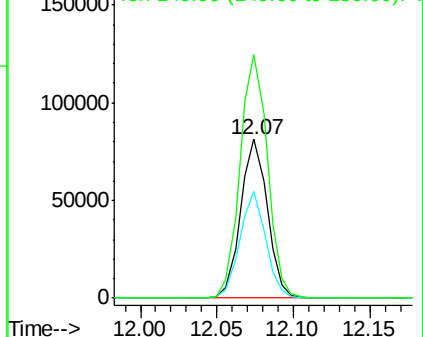


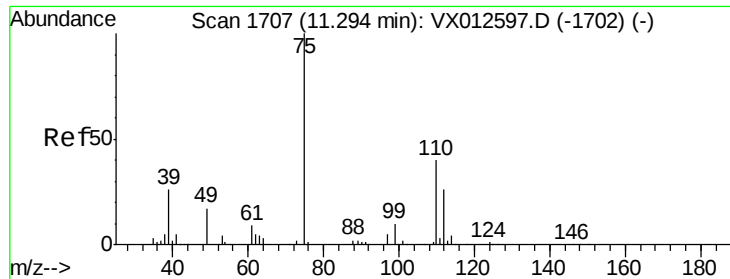
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012817.D
Acq: 04 Oct 2019 17:21

Tgt Ion:152 Resp: 98763
Ion Ratio Lower Upper
152 100
115 65.1 44.1 132.3
150 156.7 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: 23.395 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012817.D

Acq: 04 Oct 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

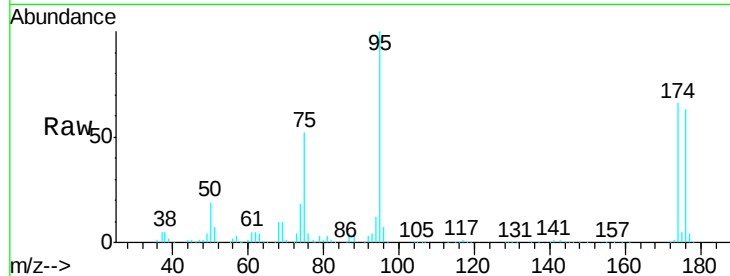
FC-MW02IR1-20191001

Tgt Ion: 75 Resp: 61120

Ion Ratio Lower Upper

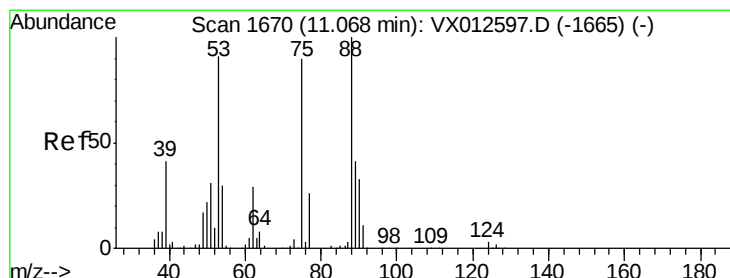
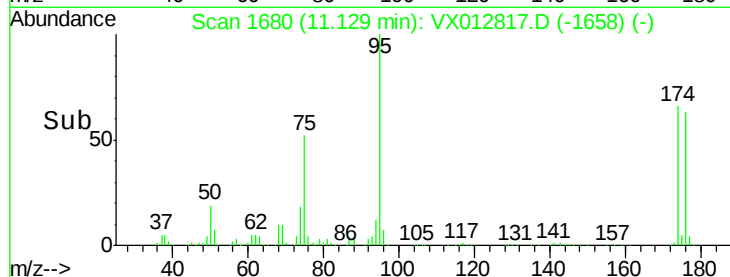
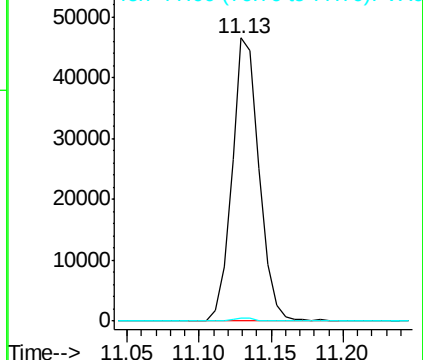
75 100

77 1.0 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: 67.045 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012817.D

Acq: 04 Oct 2019 17:21

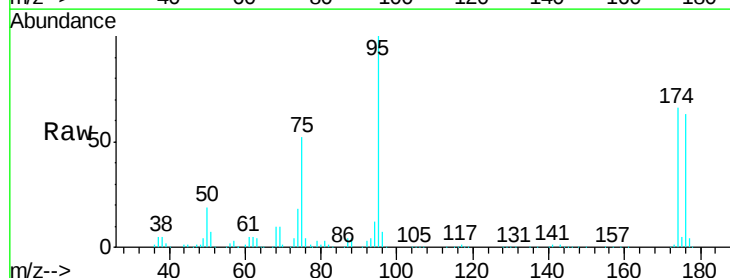
Tgt Ion: 75 Resp: 61120

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 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

