

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009784.D
 Acq On : 22 May 2019 06:34
 Operator : JC/SP
 Sample : K2953-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A_R2

Quant Time: May 22 07:14:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

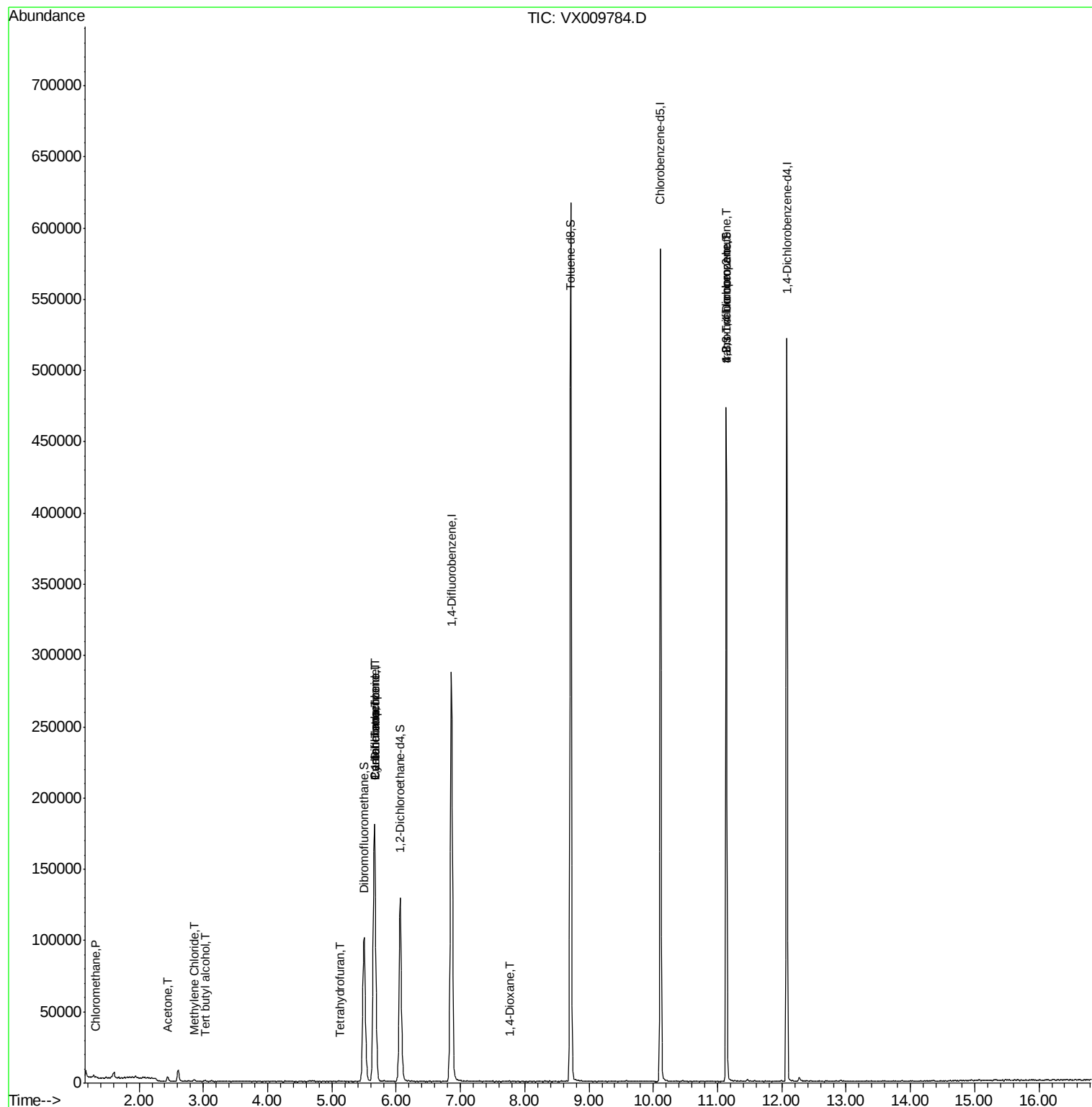
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	175305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106384	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	120106	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
35) Dibromofluoromethane	5.50	113	86904	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
50) Toluene-d8	8.71	98	354075	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	119496	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	650	0.295	ug/l #	81
11) Tert butyl alcohol	3.03	59	784	1.415	ug/l #	95
16) Acetone	2.44	43	3744	2.914	ug/l	94
20) Methylene Chloride	2.86	84	506	0.243	ug/l #	84
28) Bromochloromethane	5.03	49	44	Below Cal	#	20
29) Tetrahydrofuran	5.13	42	294	0.229	ug/l #	38
31) Cyclohexane	5.66	56	4295	1.214	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13727	5.284	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16665	7.060	ug/l #	15
49) 1,4-Dioxane	7.76	88	19	0.326	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60902	24.679	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60902	63.146	ug/l #	10

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

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Quant Time: May 22 07:14:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

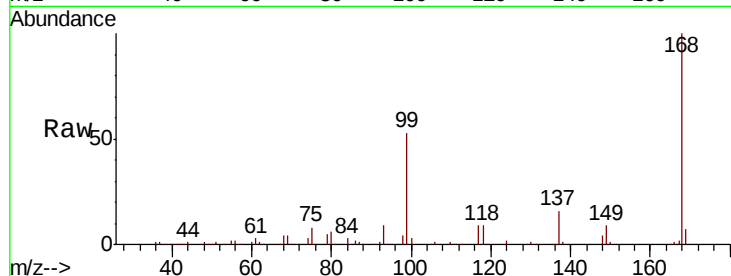
MW-11A_R2

Tot Ion:168 Resp: 175305

Ion Ratio Lower Upper

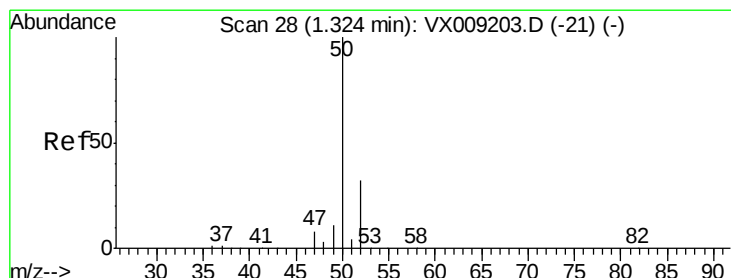
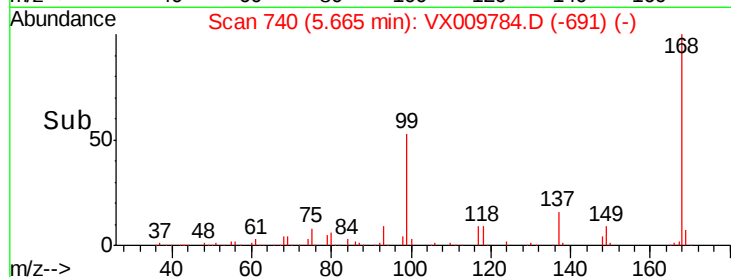
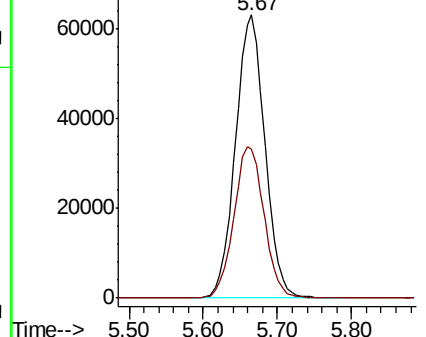
168 100

99 52.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.295 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009784.D

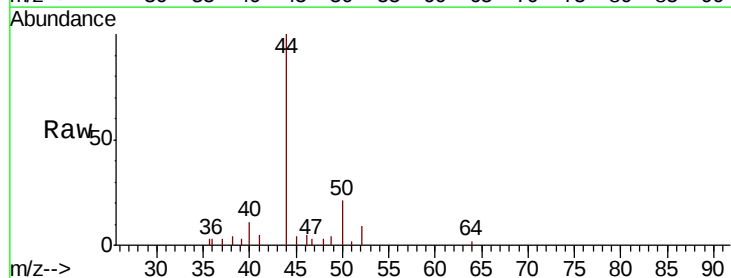
Acq: 22 May 2019 06:34

Tgt Ion: 50 Resp: 650

Ion Ratio Lower Upper

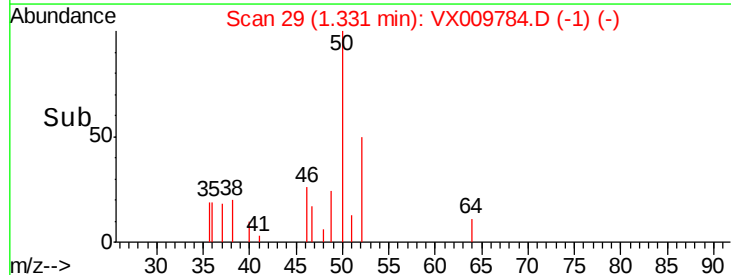
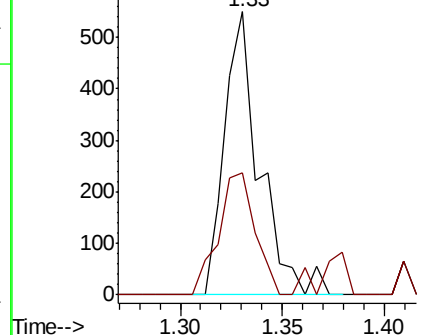
50 100

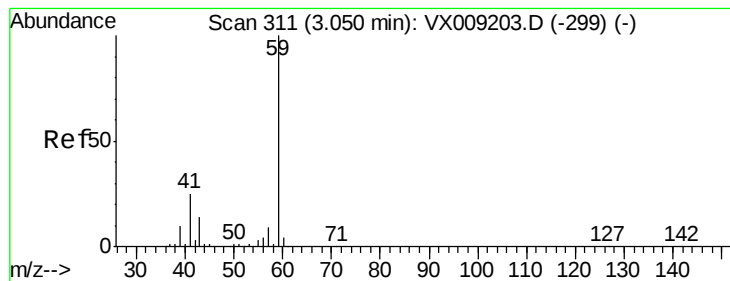
52 42.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



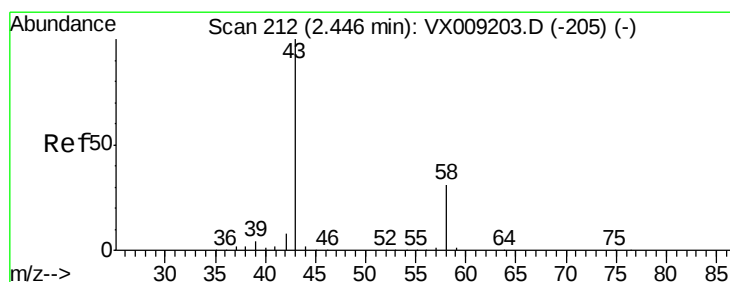
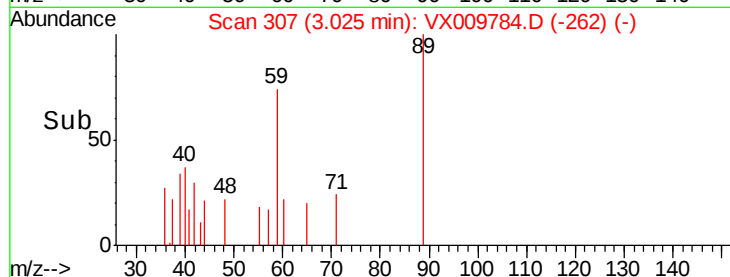
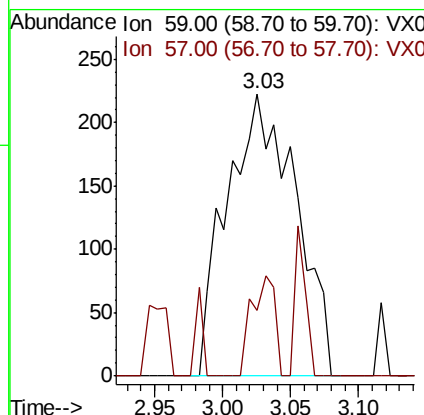
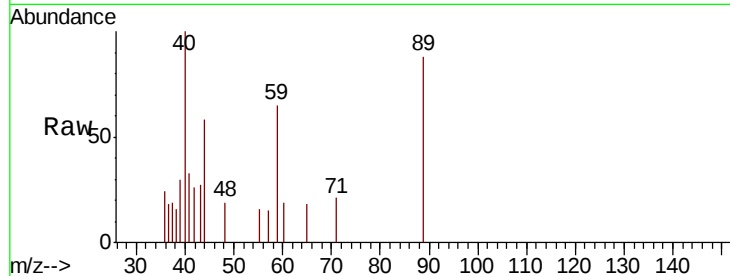


#11

Tert butyl alcohol
 Concen: 1.415 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009784.D
 Acq: 22 May 2019 06:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A_R2

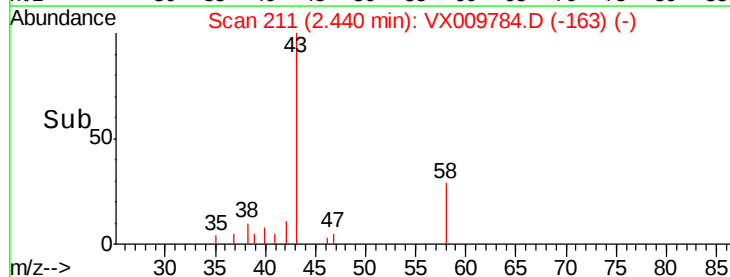
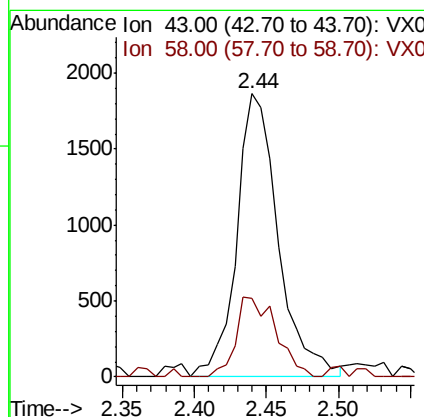
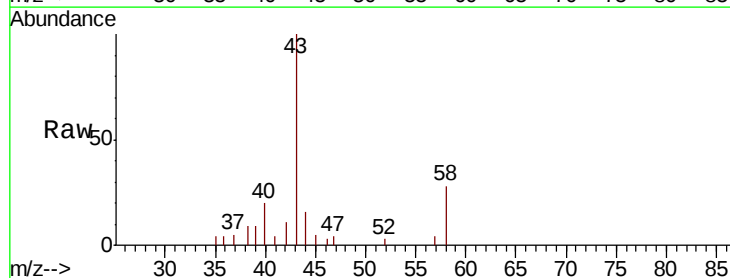
Tot Ion: 59 Resp: 784
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.2 12.2#

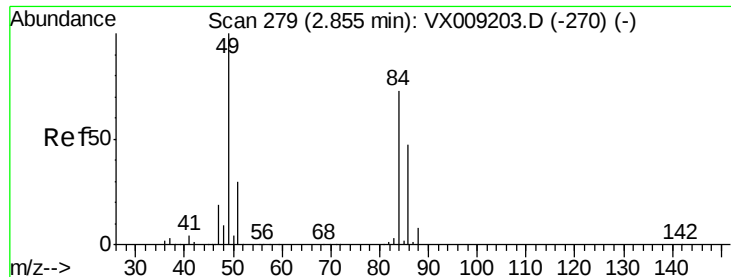


#16

Acetone
 Concen: 2.914 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009784.D
 Acq: 22 May 2019 06:34

Tgt Ion: 43 Resp: 3744
 Ion Ratio Lower Upper
 43 100
 58 27.7 24.9 37.3

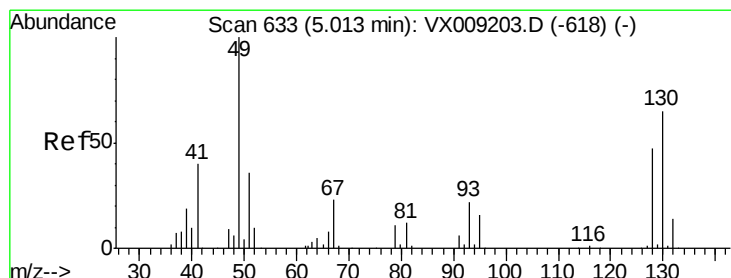
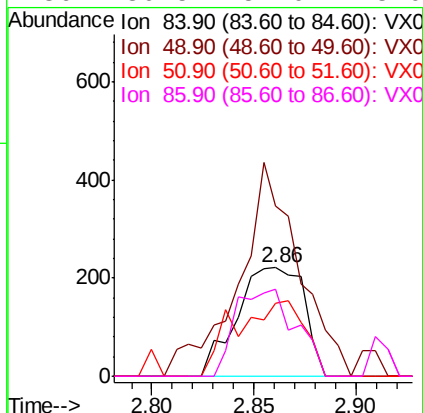
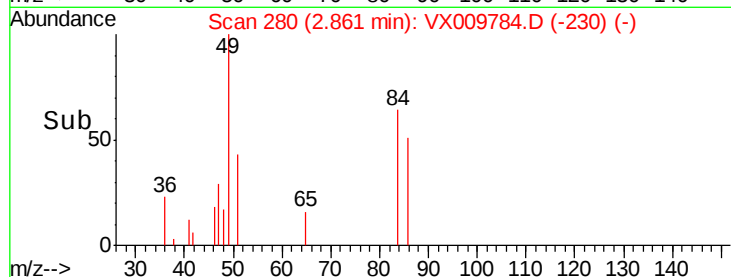
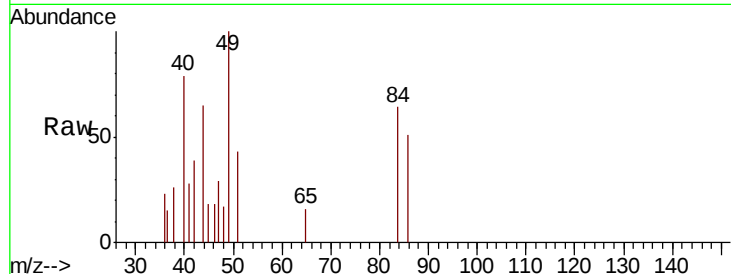




#20
Methvlene Chloride
Concen: 0.243 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009784.D
Acq: 22 May 2019 06:34

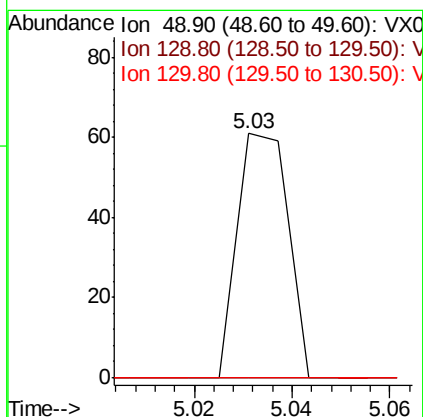
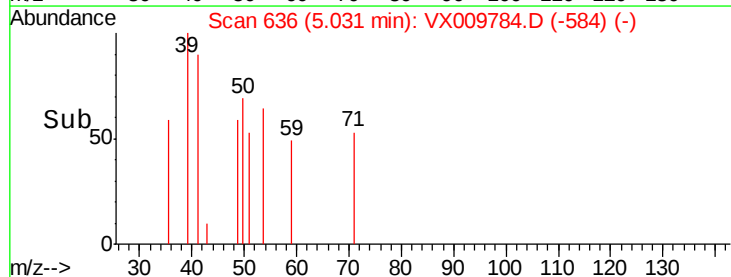
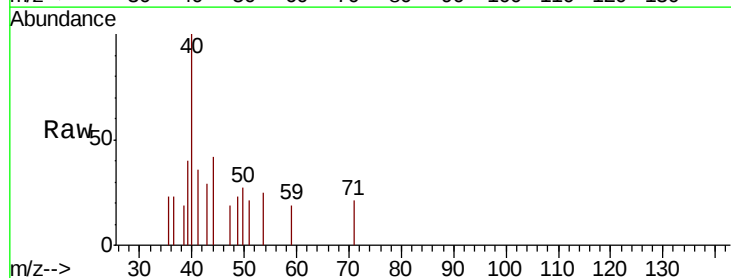
Instrument :
MSVOA_X
ClientSampled :
MW-11A_R2

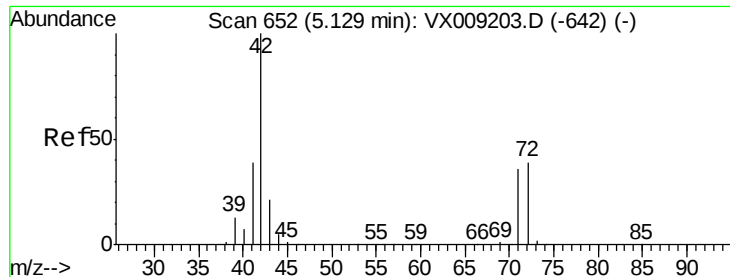
Tot Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
49 129.0 109.9 164.9
51 67.0 32.7 49.1#
86 80.5 52.0 78.0#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.02 min
Lab File: VX009784.D
Acq: 22 May 2019 06:34

Tgt Ion: 49 Resp: 44
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

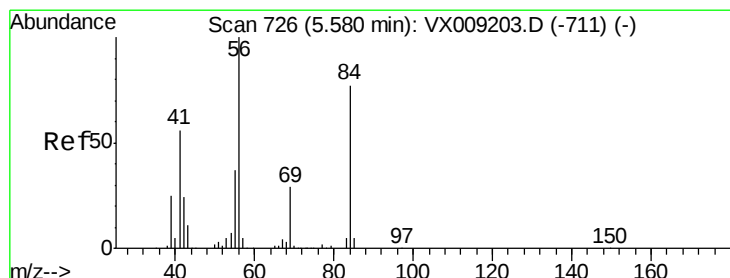
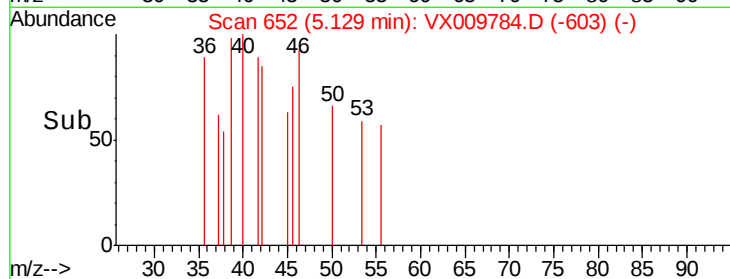
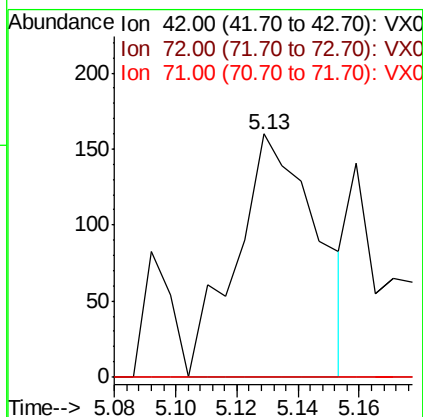
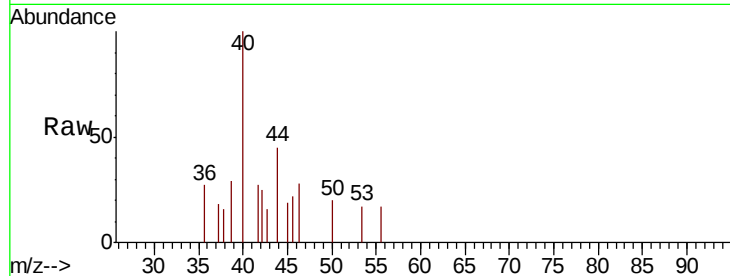




#29
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009784.D
Acq: 22 May 2019 06:34

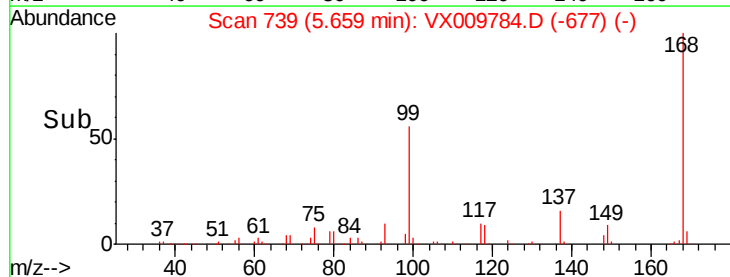
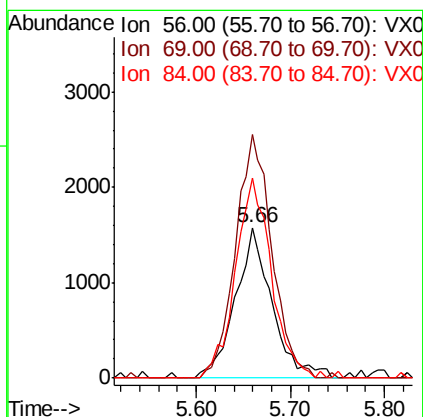
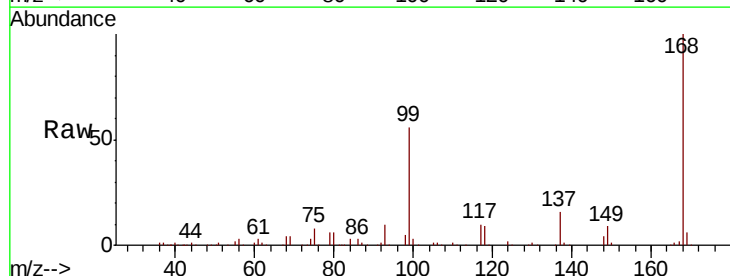
Instrument :
MSVOA_X
ClientSampled :
MW-11A_R2

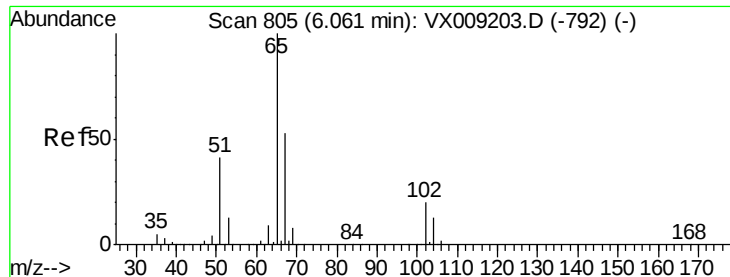
Tot Ion: 42 Resp: 294
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009784.D
Acq: 22 May 2019 06:34

Tgt Ion: 56 Resp: 4295
Ion Ratio Lower Upper
56 100
69 161.8 23.4 35.0#
84 132.9 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 50.188 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

Instrument :

MSVOA_X

ClientSampled :

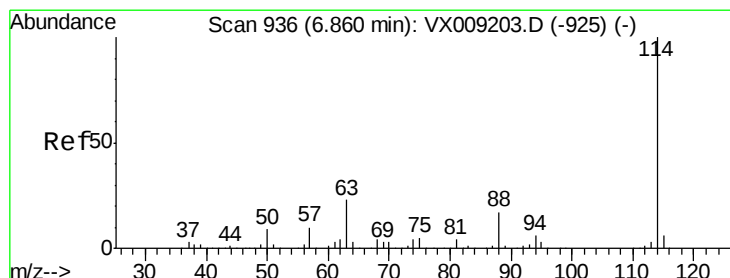
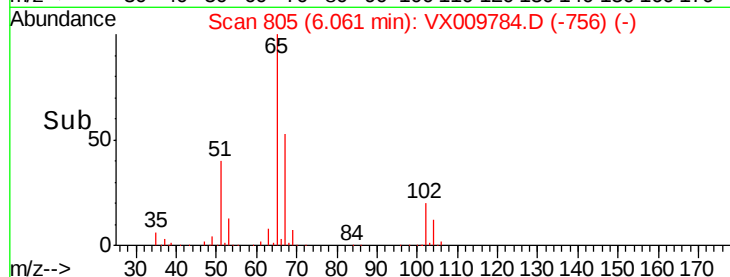
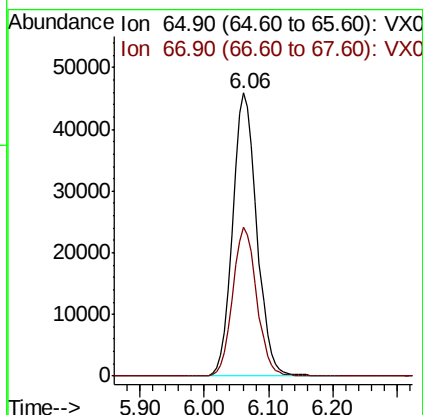
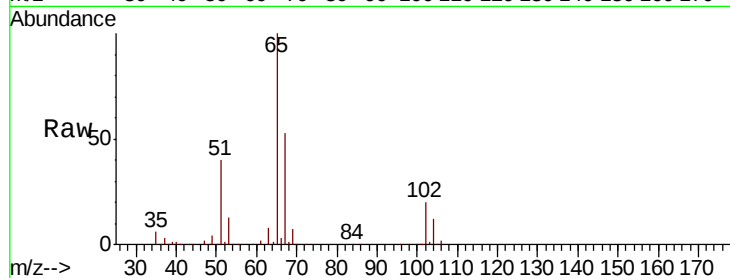
MW-11A_R2

Tot Ion: 65 Resp: 120106

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

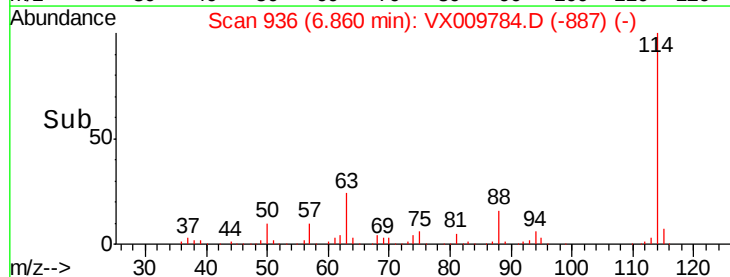
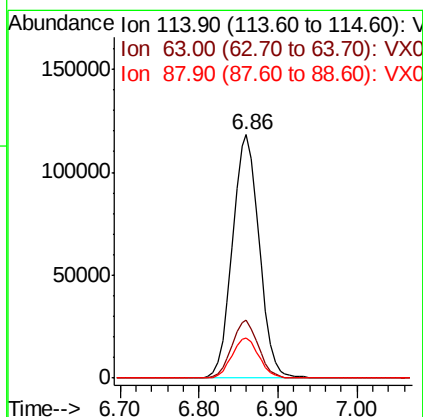
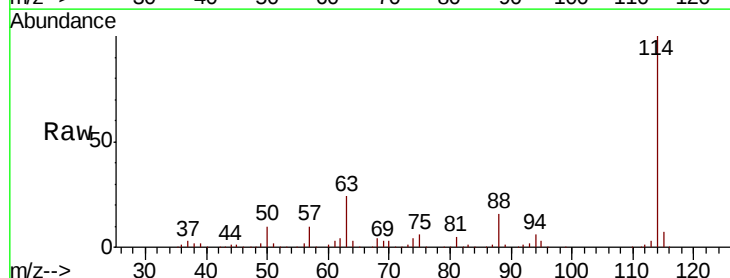
Tgt Ion: 114 Resp: 279547

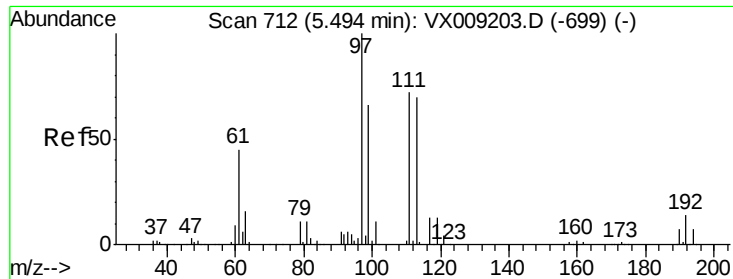
Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.452 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

MW-11A_R2

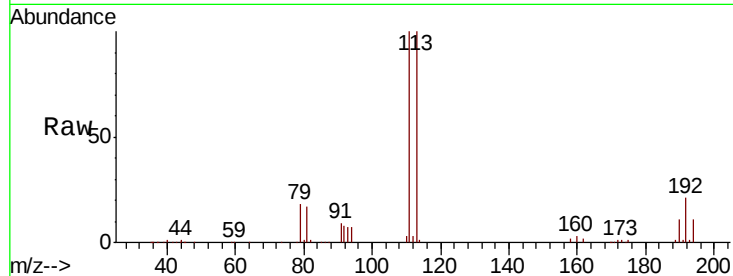
Tot Ion:113 Resp: 86904

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

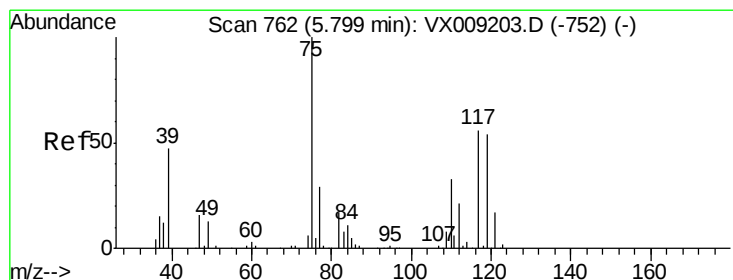
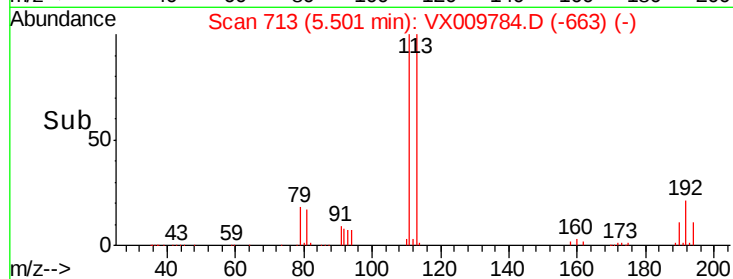
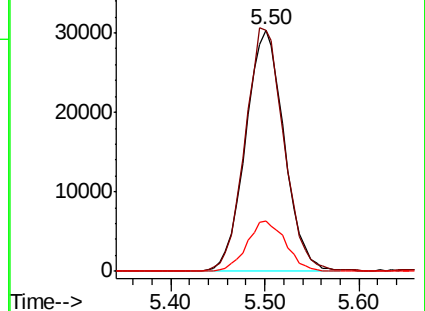
192 21.1 17.0 25.6



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: 5.284 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

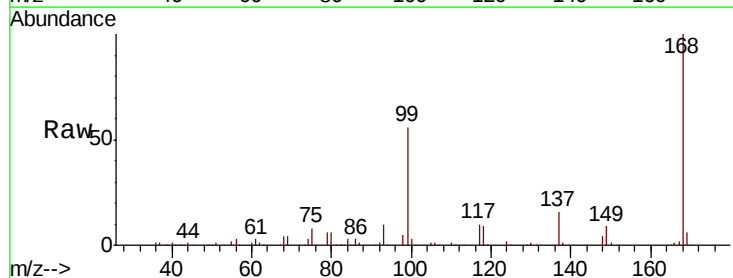
Tgt Ion: 75 Resp: 13727

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

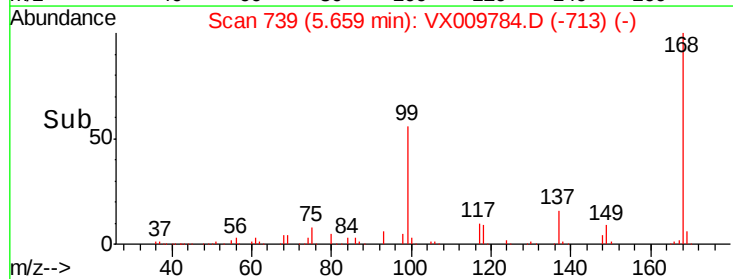
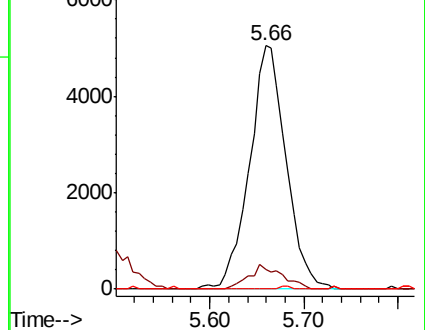
77 0.0 24.8 37.2#

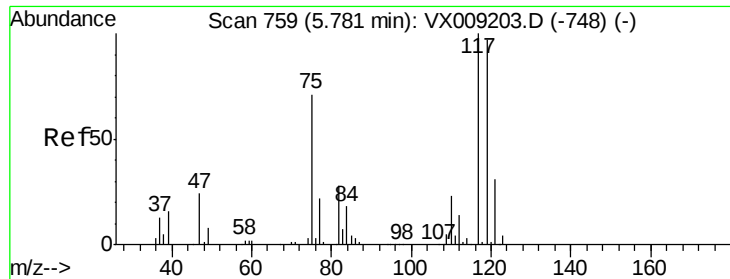


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.060 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

MW-11A_R2

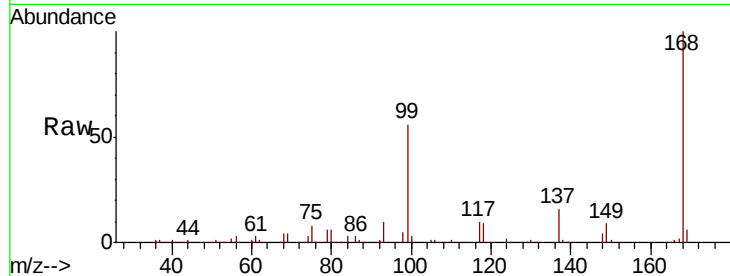
Tot Ion:117 Resp: 16665

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

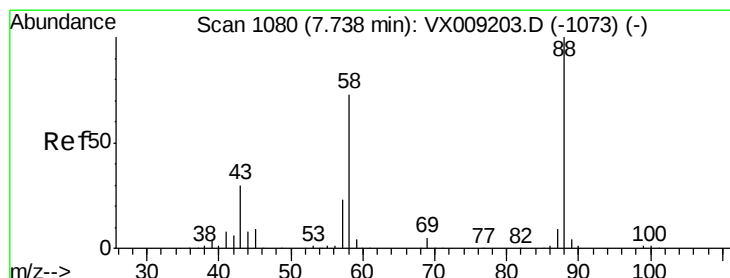
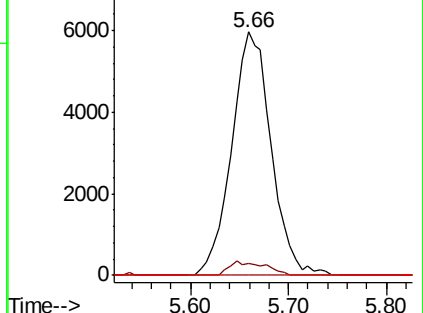
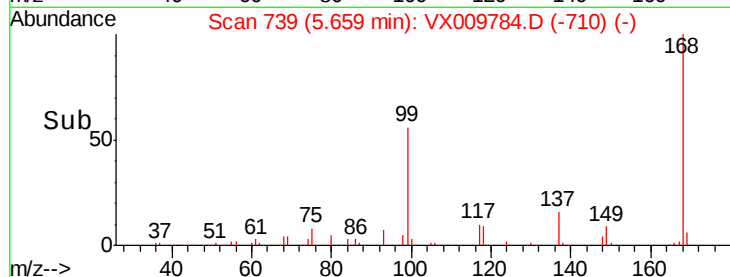
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.326 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

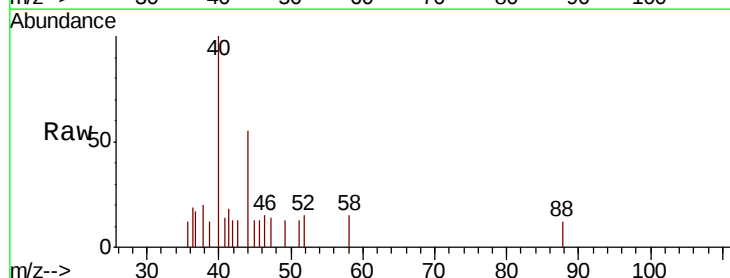
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 252.6 28.6 42.8#

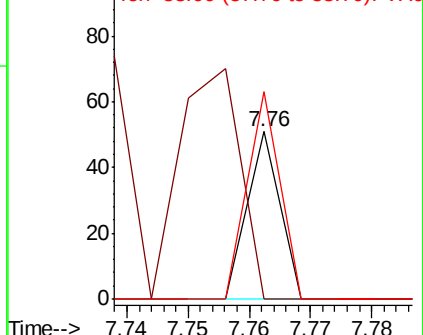
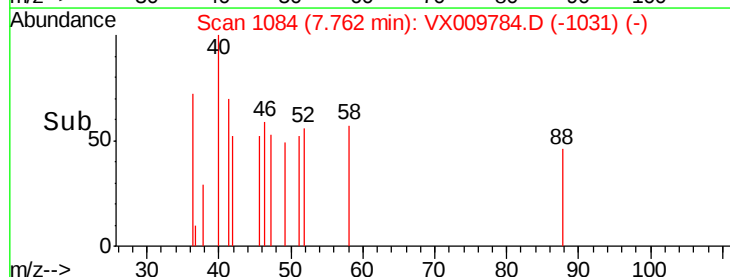
58 121.1 61.7 92.5#

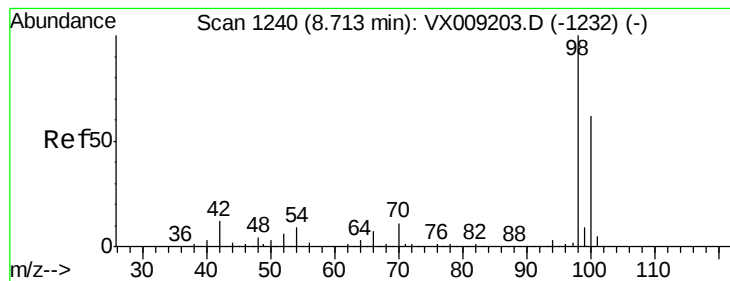


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.906 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

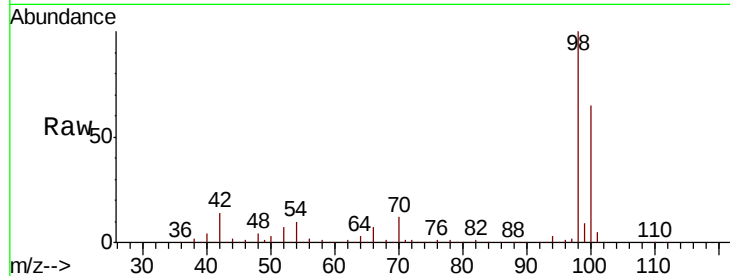
MW-11A_R2

Tot Ion: 98 Resp: 354075

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

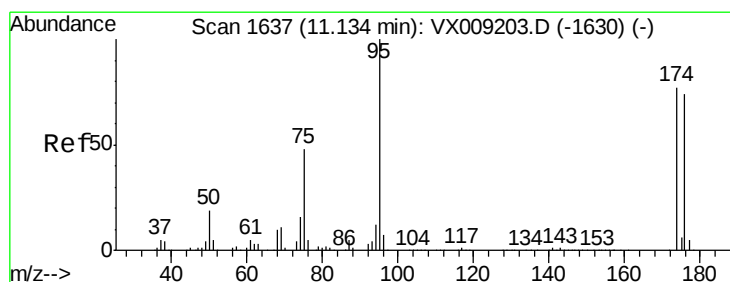
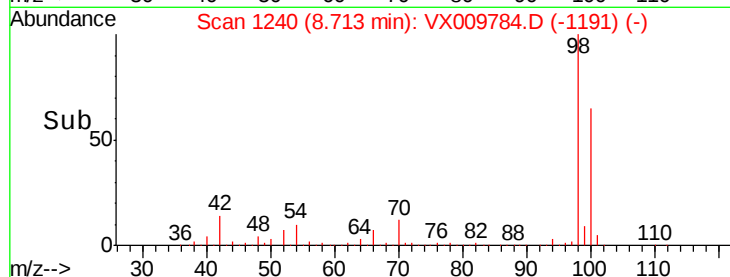
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.352 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

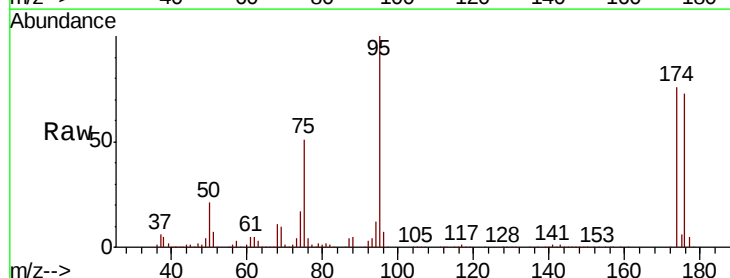
Tgt Ion: 95 Resp: 119496

Ion Ratio Lower Upper

95 100

174 81.1 0.0 161.6

176 78.2 0.0 159.2



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

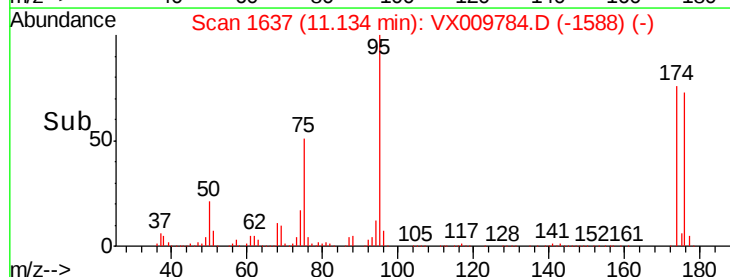
11.13

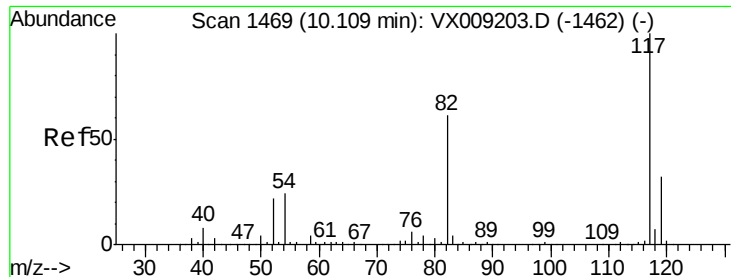
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

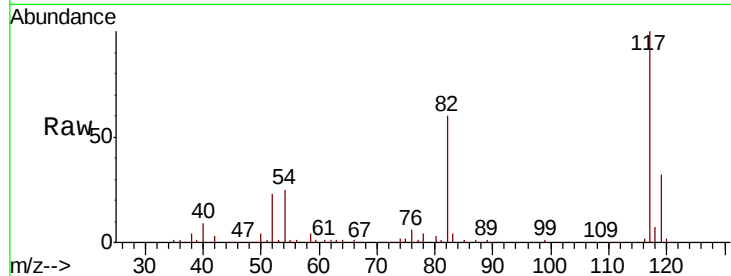




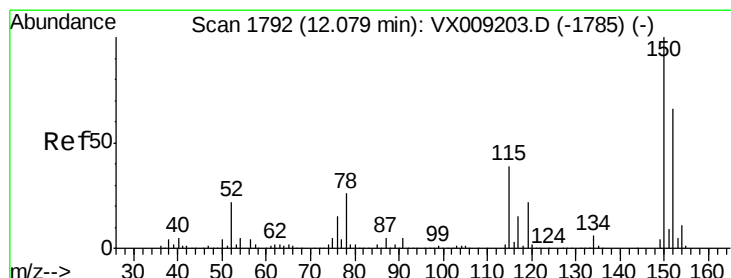
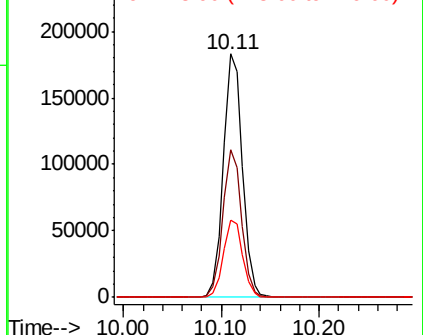
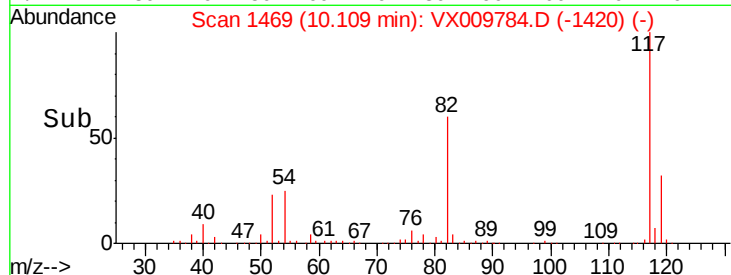
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009784.D
Acq: 22 May 2019 06:34

Instrument :
MSVOA_X
ClientSampleId :
MW-11A_R2

Tot Ion:117 Resp: 247840
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 31.6 25.8 38.6

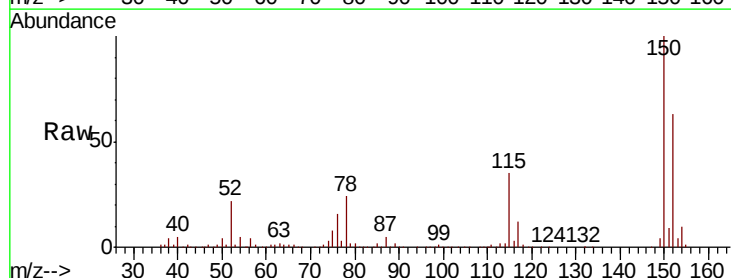


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

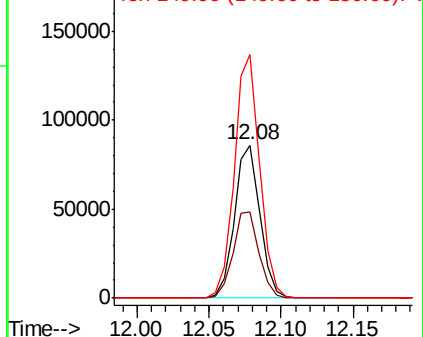
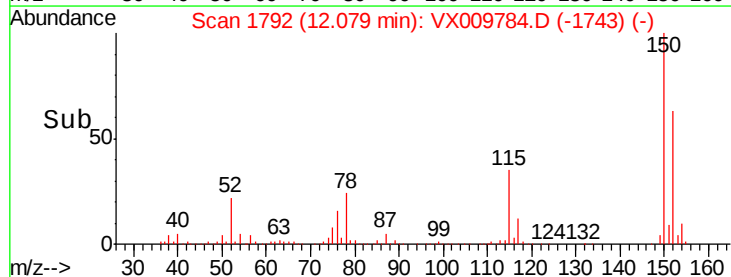


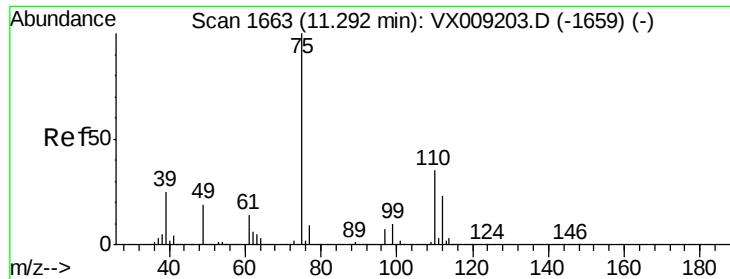
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009784.D
Acq: 22 May 2019 06:34

Tgt Ion:152 Resp: 106384
Ion Ratio Lower Upper
152 100
115 57.6 41.2 123.6
150 157.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.679 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

Instrument :

MSVOA_X

ClientSampled :

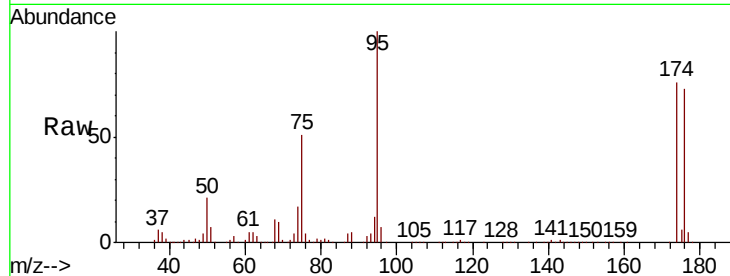
MW-11A_R2

Tot Ion: 75 Resp: 60902

Ion Ratio Lower Upper

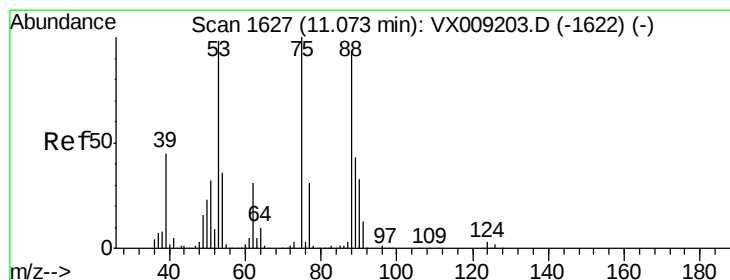
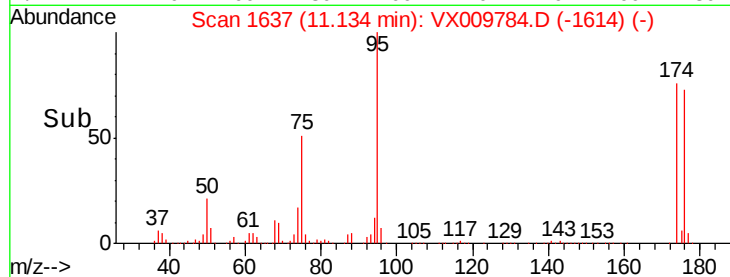
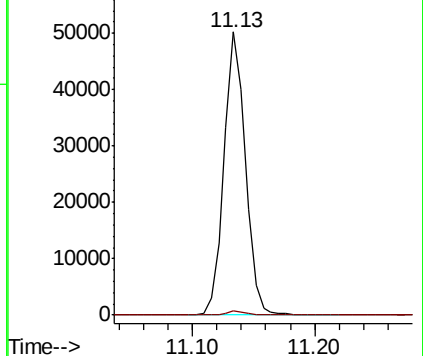
75 100

77 1.5 22.1 66.1#



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: 63.146 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009784.D

Acq: 22 May 2019 06:34

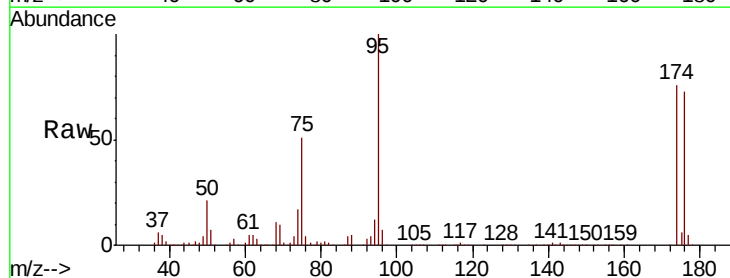
Tgt Ion: 75 Resp: 60902

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

