

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009359.D
 Acq On : 06 May 2019 18:36
 Operator : JC/SP
 Sample : K2697-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502-A

Quant Time: May 07 06:37:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	256238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108326	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	120237	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.50	113	90080	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	8.71	98	366299	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	119849	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

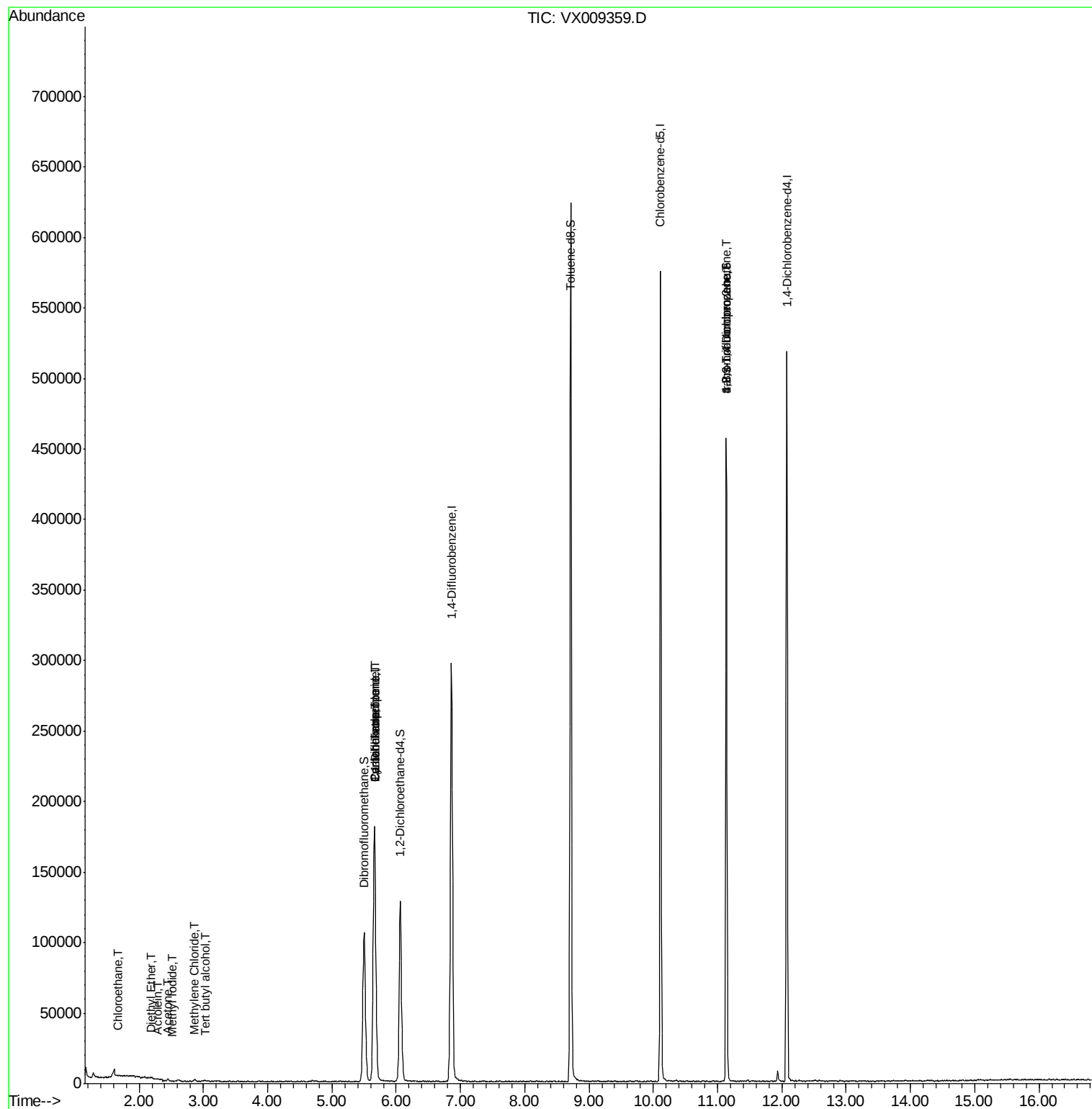
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	3090	2.156	ug/l #	59
8) Diethyl Ether	2.18	74	320	0.249	ug/l	80
10) Methyl Iodide	2.51	142	23	4.604	ug/l #	42
11) Tert butyl alcohol	3.03	59	710	1.235	ug/l #	92
13) Acrolein	2.28	56	199	0.382	ug/l #	54
16) Acetone	2.45	43	1975	1.481	ug/l	92
20) Methylene Chloride	2.85	84	641	0.297	ug/l #	81
28) Bromochloromethane	5.01	49	25	Below Cal	#	20
31) Cyclohexane	5.66	56	3926	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14081	5.233	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17085	6.988	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	60558	24.100	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60558	61.663	ug/l #	10

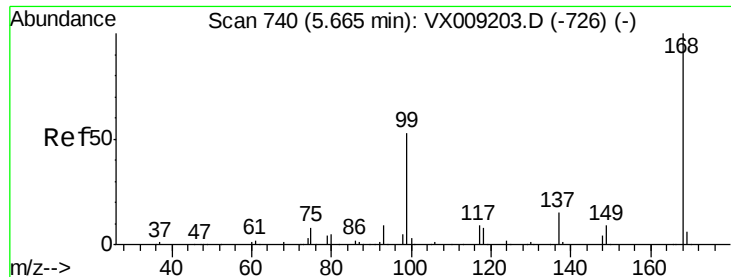
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 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: VX009359.D

Acq: 06 May 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

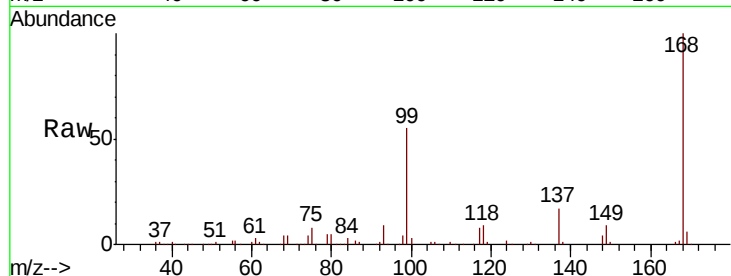
MW-4-20190502-A

Tot Ion:168 Resp: 181934

Ion Ratio Lower Upper

168 100

99 55.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

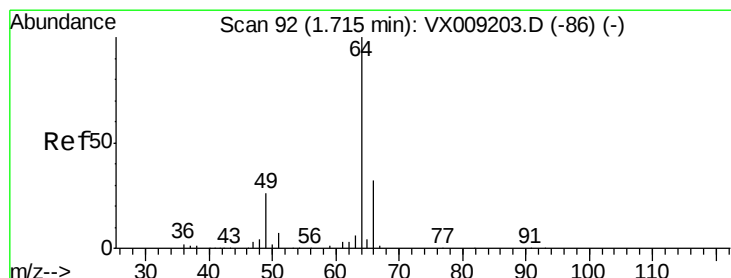
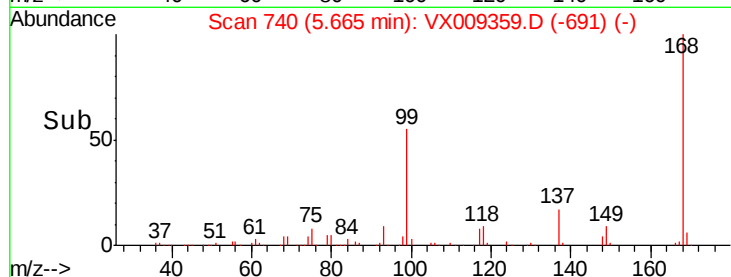
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: 2.156 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX009359.D

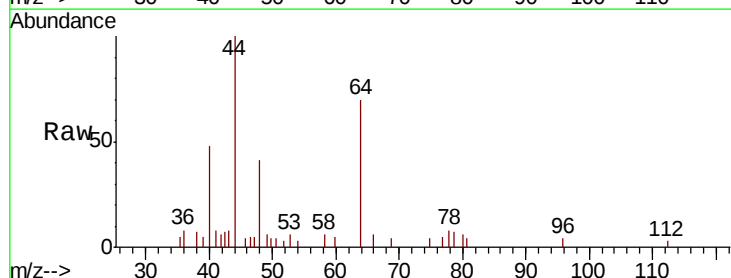
Acq: 06 May 2019 18:36

Tgt Ion: 64 Resp: 3090

Ion Ratio Lower Upper

64 100

66 9.1 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1200

1000

800

600

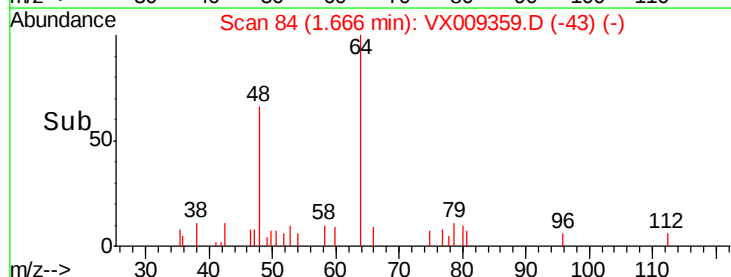
400

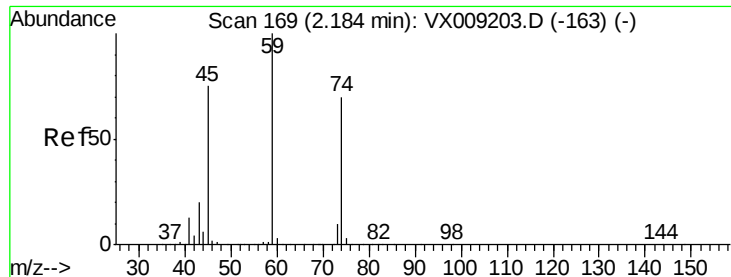
200

0

Time-->

1.55 1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.249 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

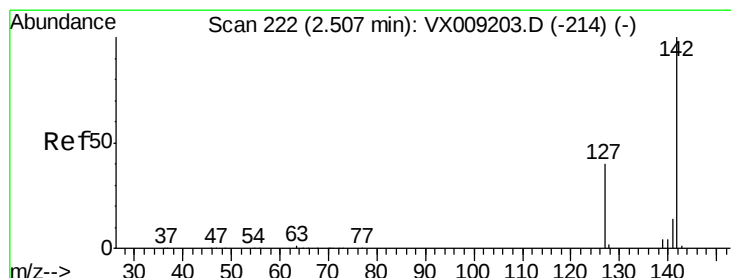
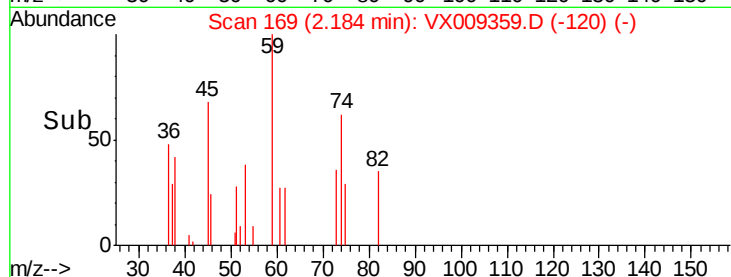
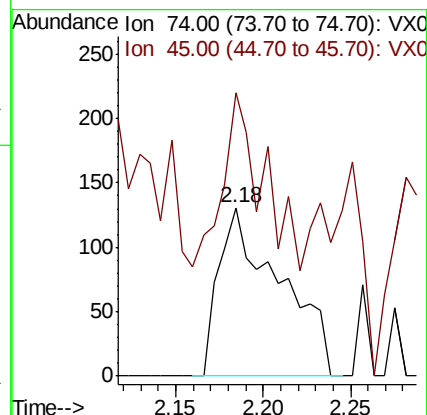
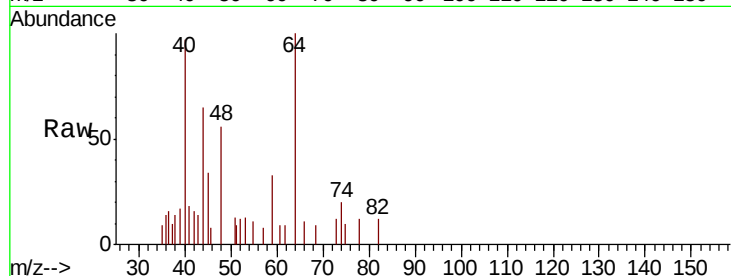
MW-4-20190502-A

Tot Ion: 74 Resp: 320

Ion Ratio Lower Upper

74 100

45 85.6 53.3 159.9



#10

Methyl Iodide

Concen: 4.604 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

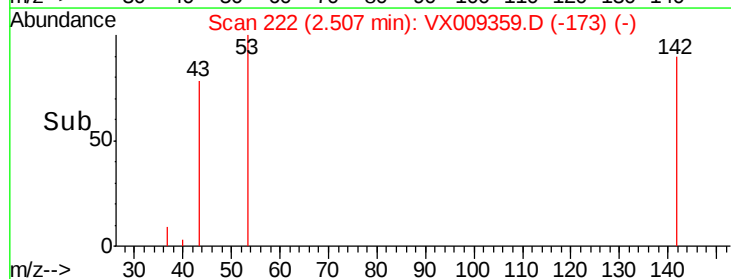
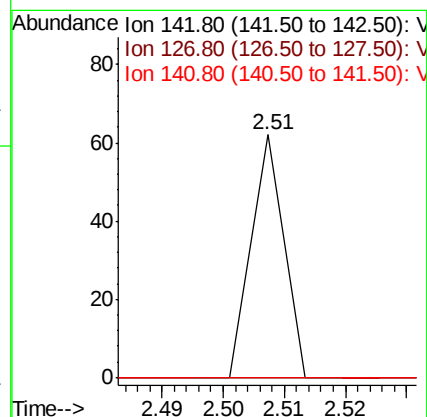
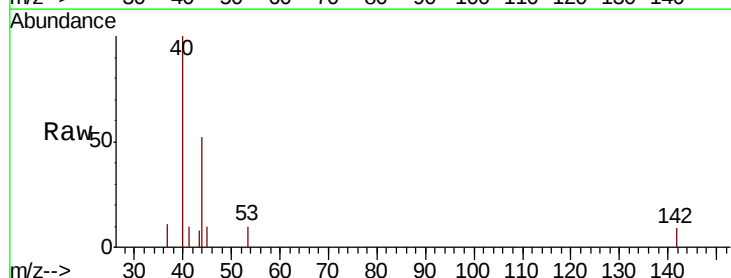
Tgt Ion: 142 Resp: 23

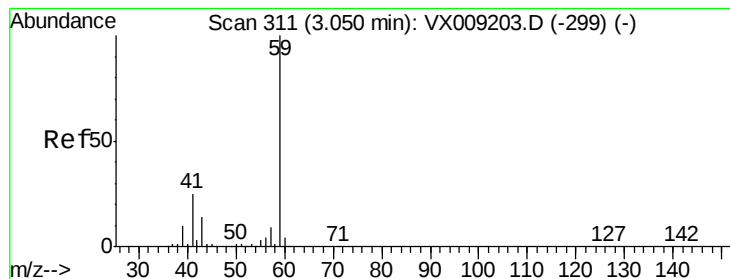
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



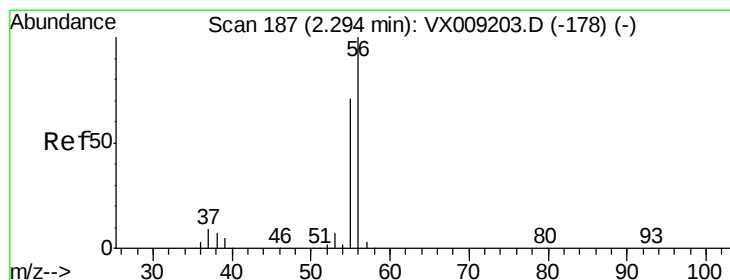
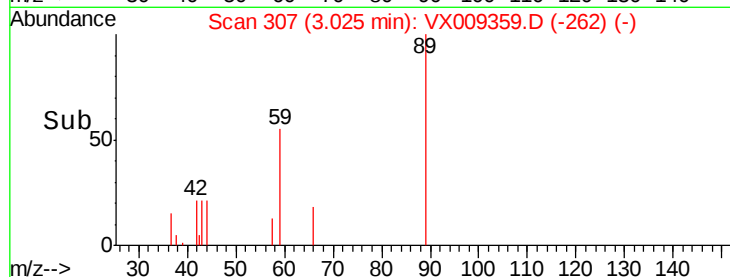
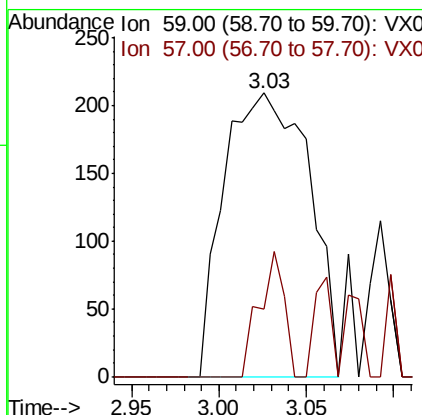
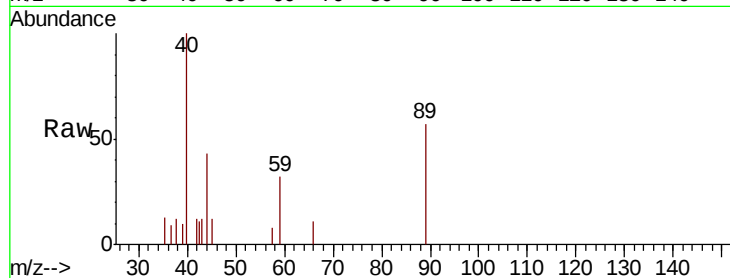


#11

Tert butyl alcohol
 Concen: 1.235 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009359.D
 Acq: 06 May 2019 18:36

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502-A

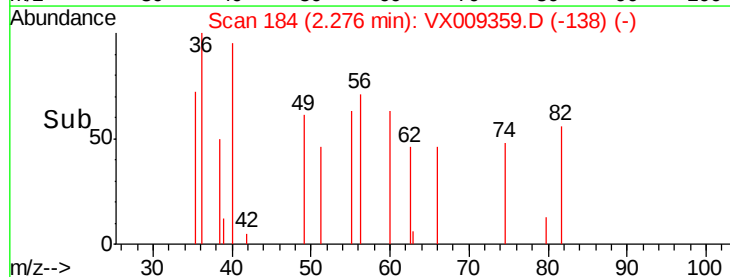
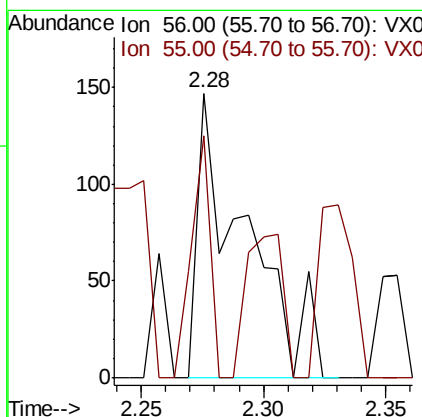
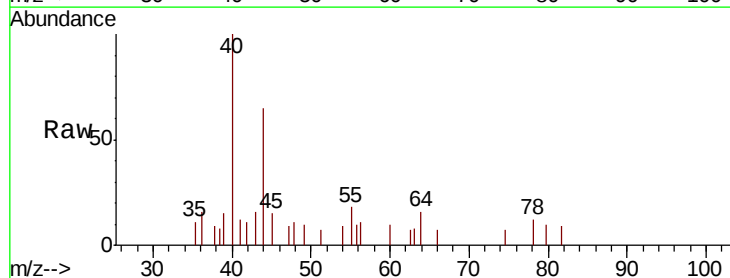
Tot Ion: 59 Resp: 710
 Ion Ratio Lower Upper
 59 100
 57 13.1 8.2 12.2#

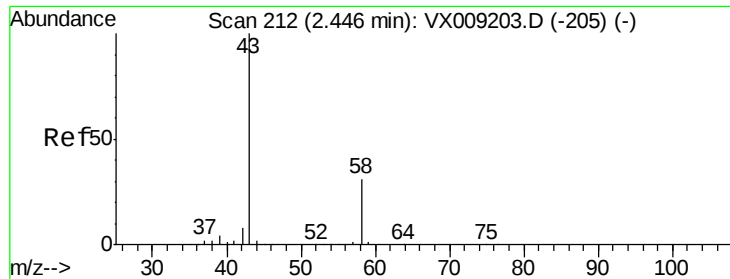


#13

Acrolein
 Concen: 0.382 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX009359.D
 Acq: 06 May 2019 18:36

Tgt Ion: 56 Resp: 199
 Ion Ratio Lower Upper
 56 100
 55 33.2 56.6 85.0#





#16

Acetone

Concen: 1.481 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

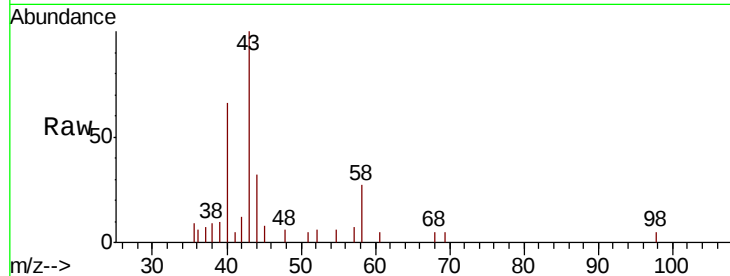
MW-4-20190502-A

Tot Ion: 43 Resp: 1975

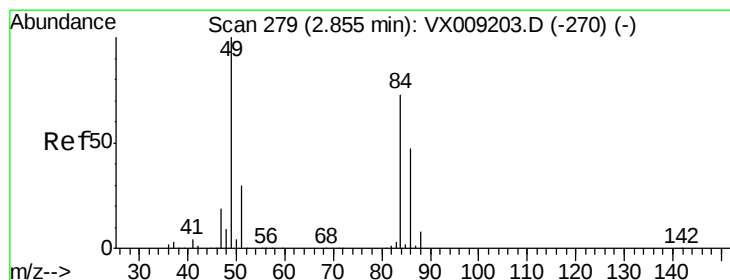
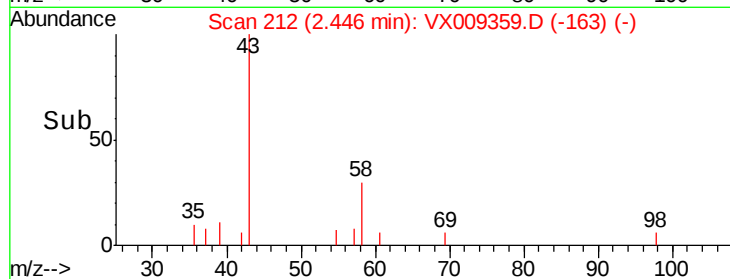
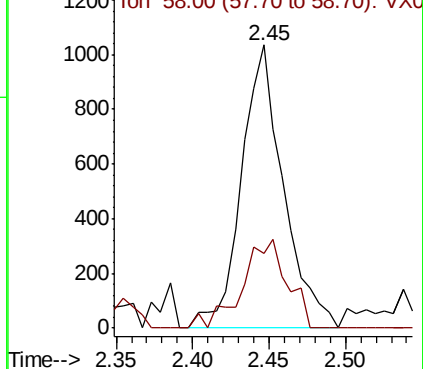
Ion Ratio Lower Upper

43 100

58 26.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX009359.D (-163) (-)



#20

Methylene Chloride

Concen: 0.297 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

Tgt Ion: 84 Resp: 641

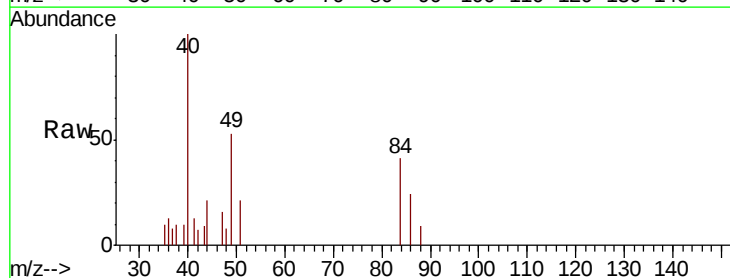
Ion Ratio Lower Upper

84 100

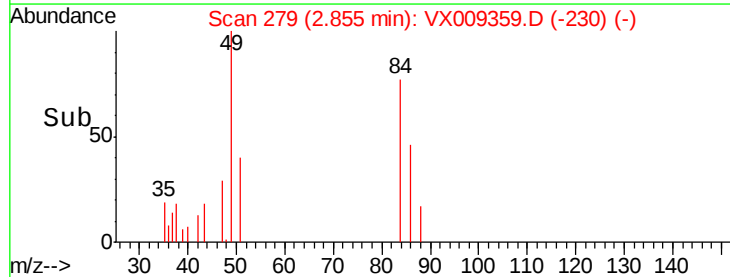
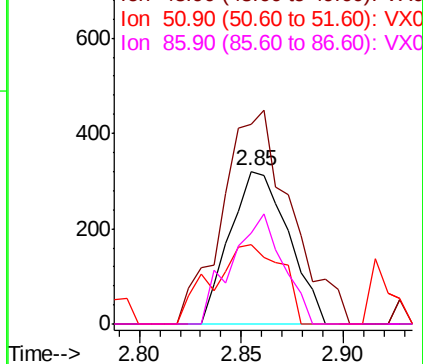
49 108.1 109.9 164.9#

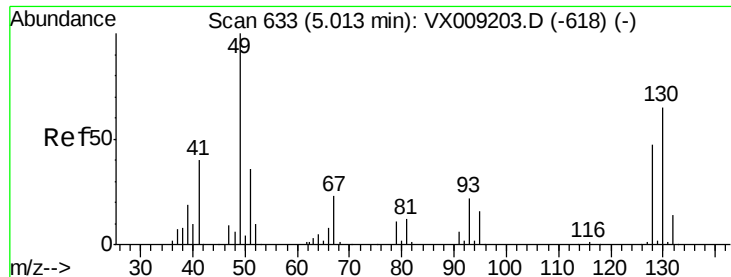
51 52.3 32.7 49.1#

86 59.5 52.0 78.0



Abundance Ion 83.90 (83.60 to 84.60): VX009359.D (-230) (-)





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502-A

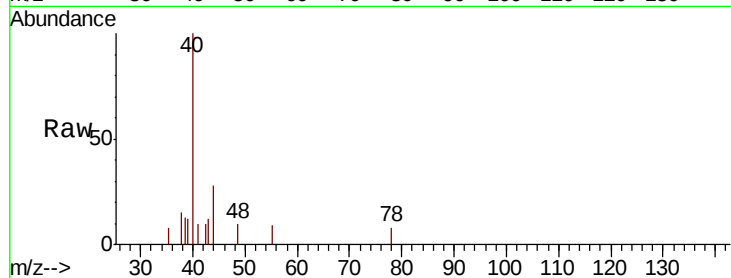
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

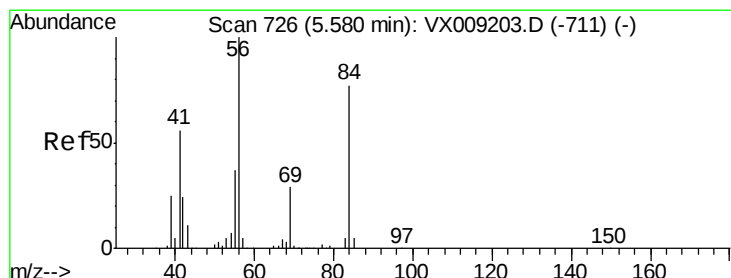
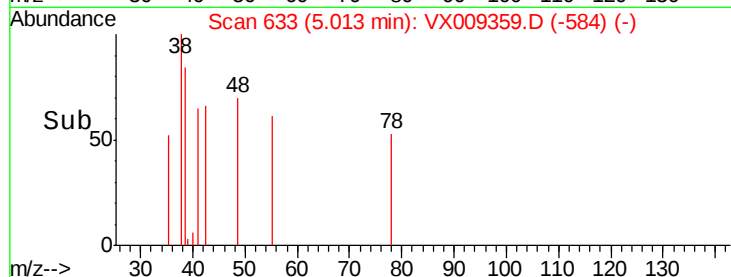
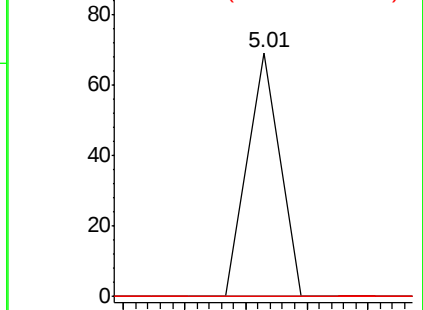
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

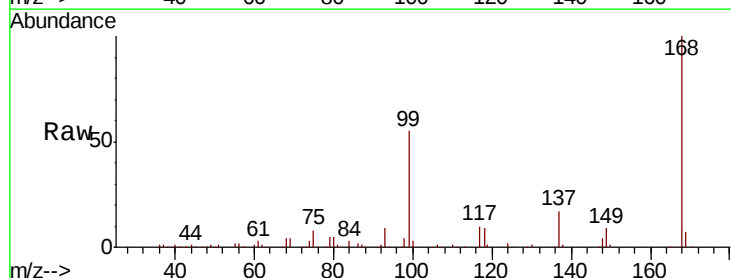
Tgt Ion: 56 Resp: 3926

Ion Ratio Lower Upper

56 100

69 171.3 23.4 35.0#

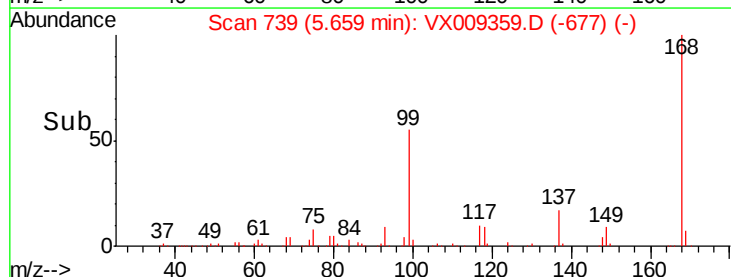
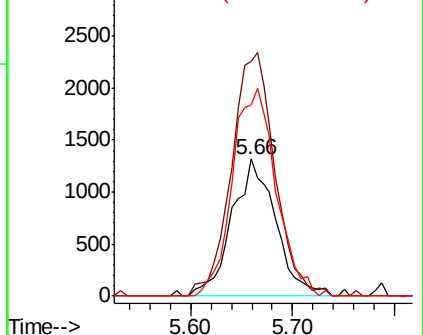
84 140.2 61.9 92.9#



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

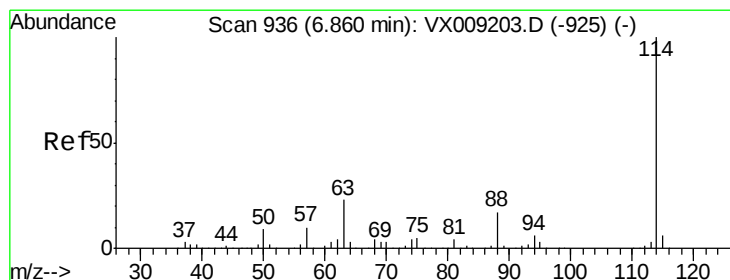
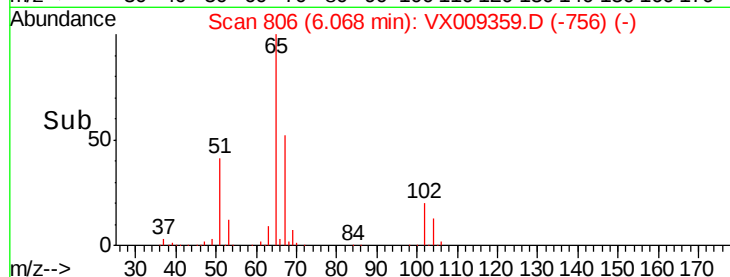
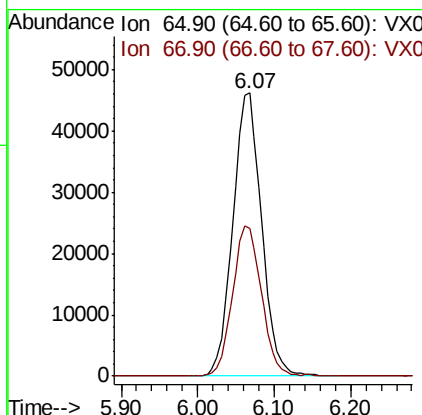
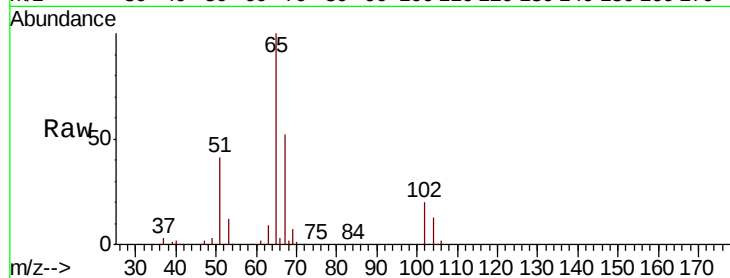




#33
 1,2-Dichloroethane-d4
 Concen: 48.412 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009359.D
 Acq: 06 May 2019 18:36

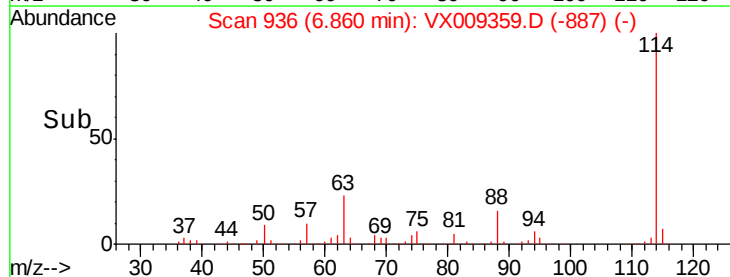
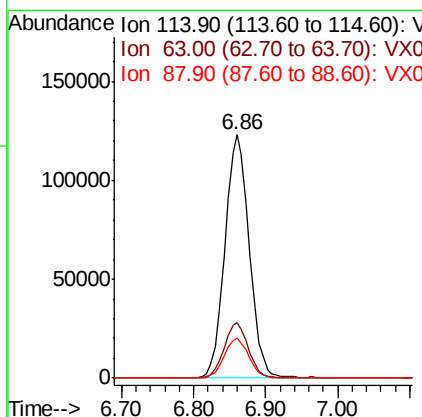
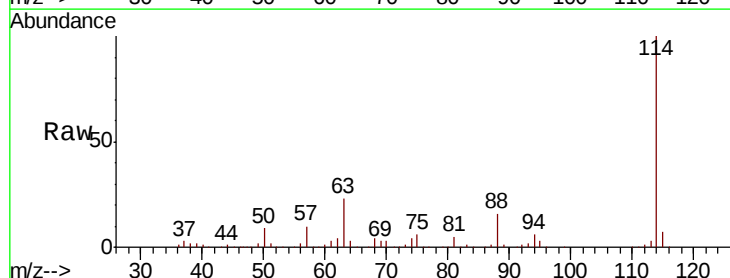
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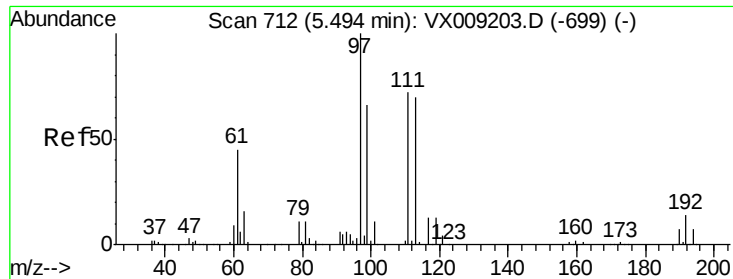
Tot Ion: 65 Resp: 120237
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009359.D
 Acq: 06 May 2019 18:36

Tgt Ion: 114 Resp: 289561
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.5 0.0 33.2

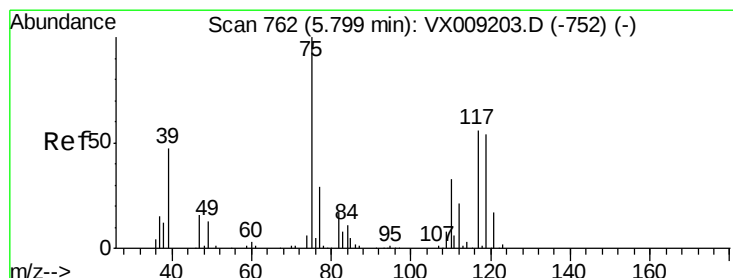
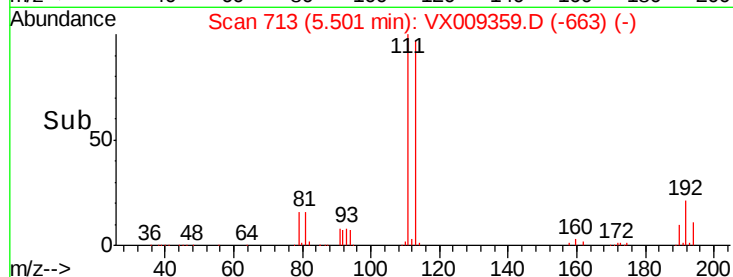
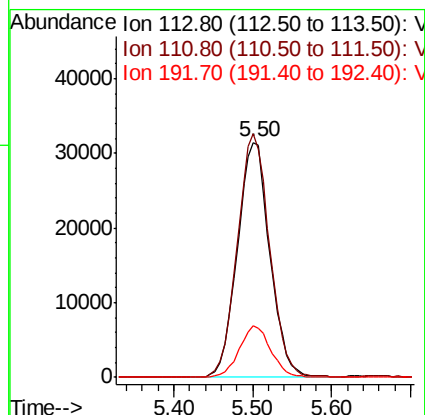
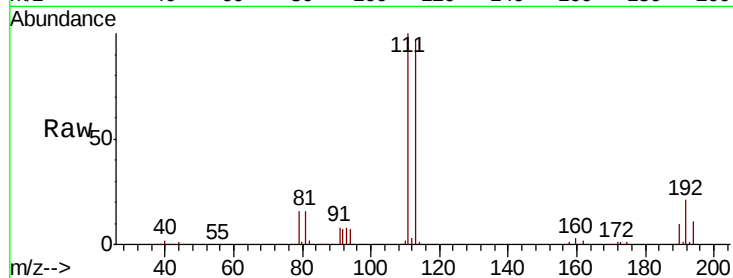




#35
 Dibromofluoromethane
 Concen: 49.486 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009359.D
 Acq: 06 May 2019 18:36

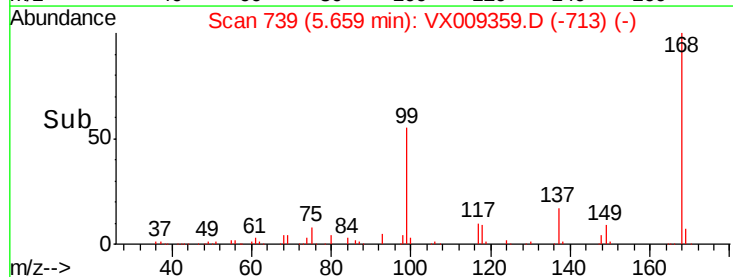
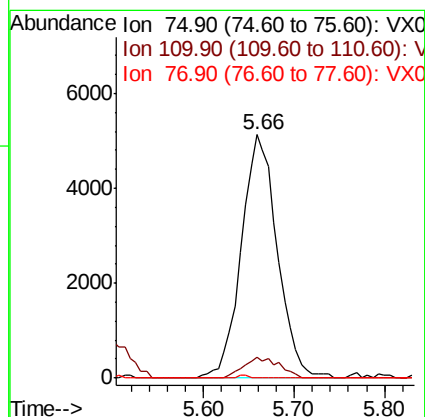
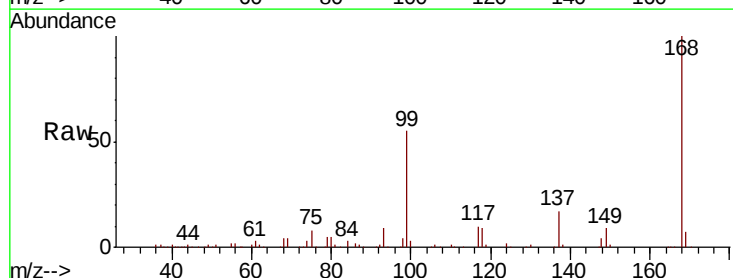
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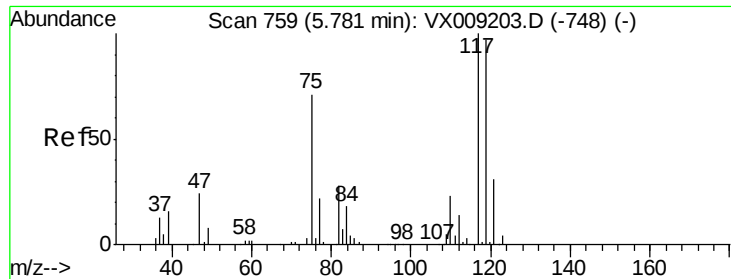
Tot Ion:113 Resp: 90080
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 21.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.233 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009359.D
 Acq: 06 May 2019 18:36

Tgt Ion: 75 Resp: 14081
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.3 24.8 37.2#

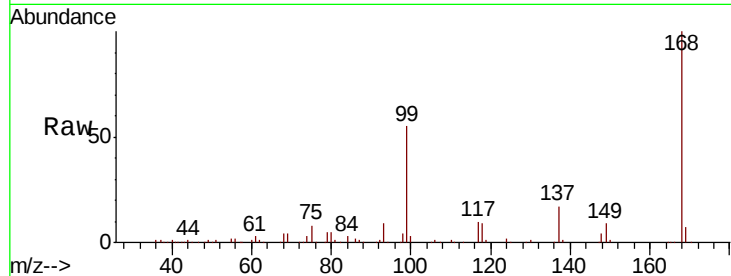




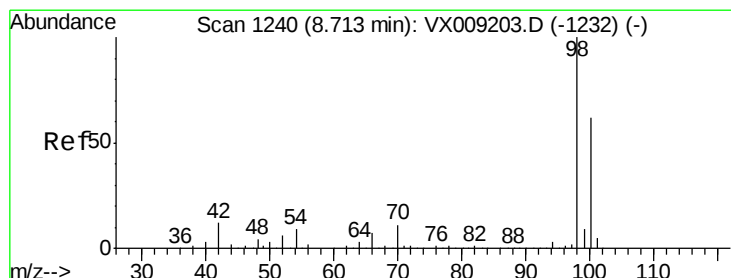
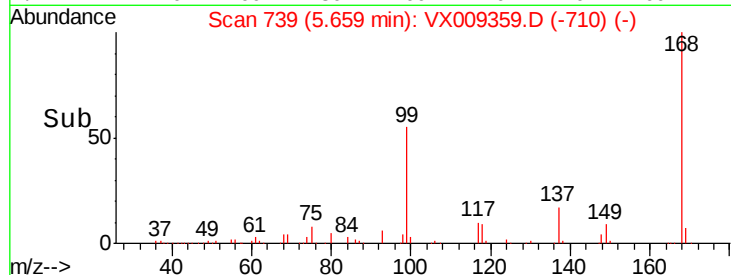
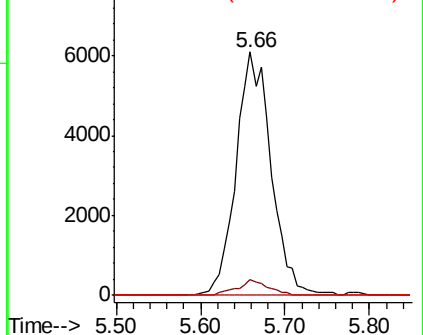
#38
Carbon Tetrachloride
Concen: 6.988 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009359.D
Acq: 06 May 2019 18:36

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502-A

Tot Ion:117 Resp: 17085
Ion Ratio Lower Upper
117 100
119 6.7 77.5 116.3#
121 0.0 24.7 37.1#

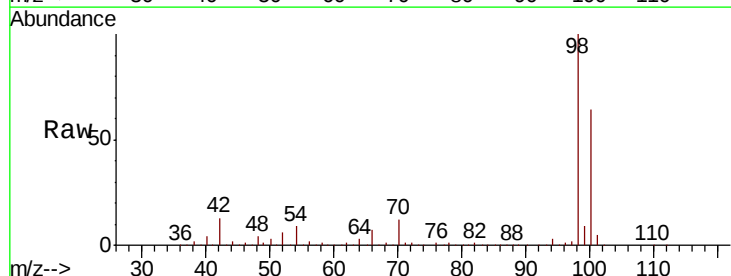


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

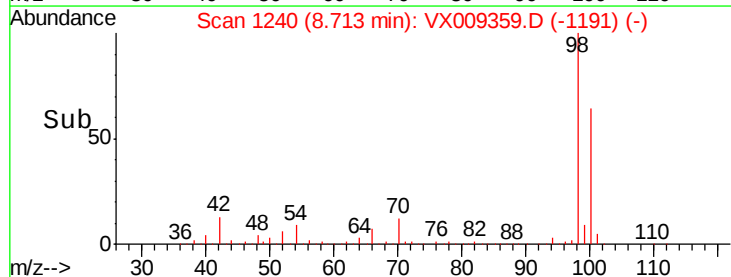
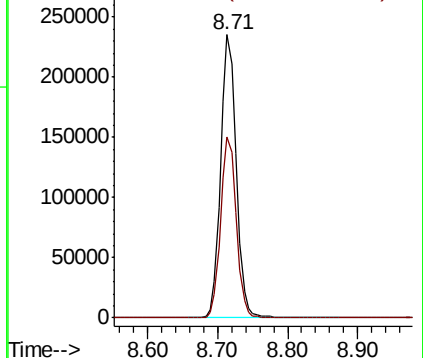


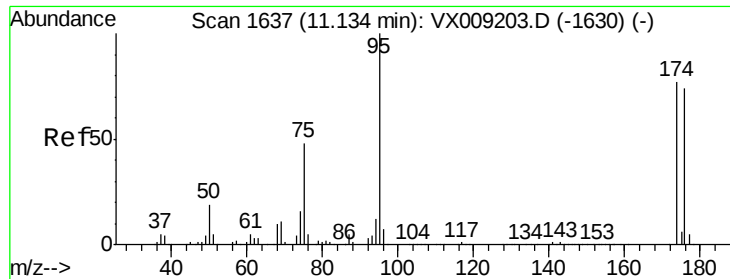
#50
Toluene-d8
Concen: 49.843 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009359.D
Acq: 06 May 2019 18:36

Tgt Ion: 98 Resp: 366299
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.882 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502-A

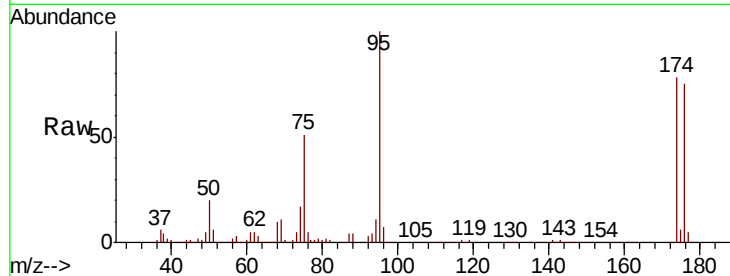
Tot Ion: 95 Resp: 119849

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

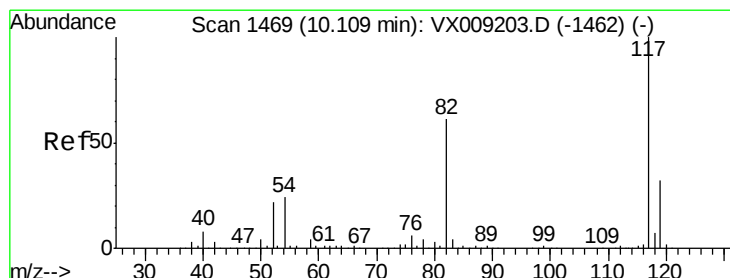
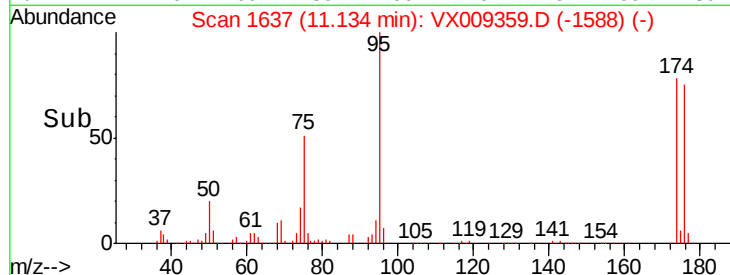
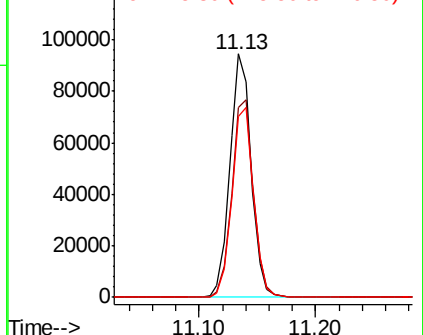
176 79.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009359.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009359.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009359.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

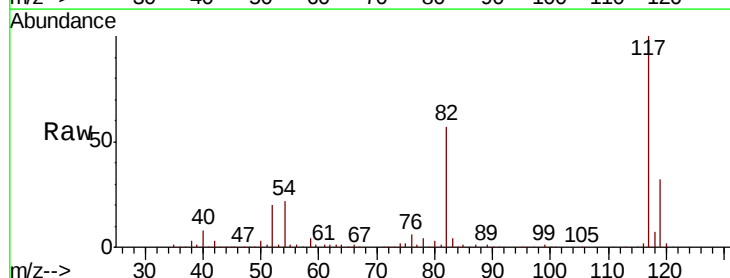
Tgt Ion: 117 Resp: 256238

Ion Ratio Lower Upper

117 100

82 57.0 48.8 73.2

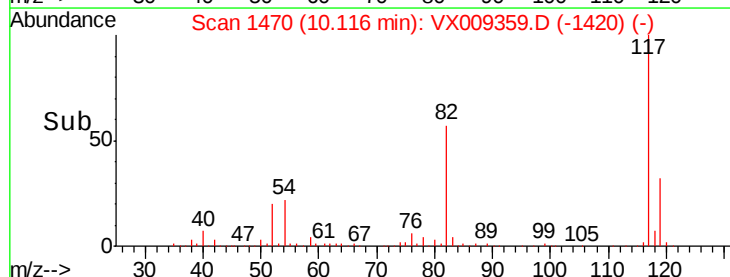
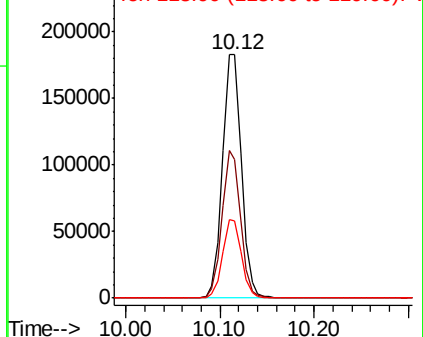
119 31.8 25.8 38.6

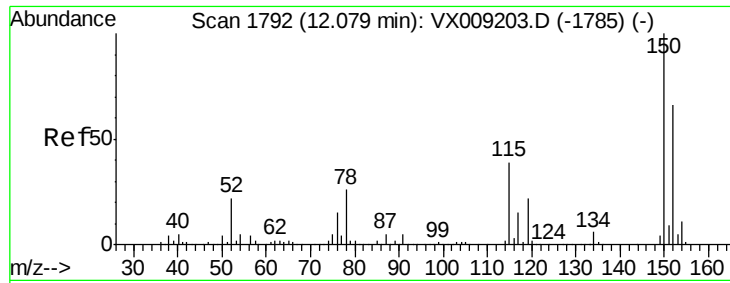


Abundance Ion 116.90 (116.60 to 117.60): VX009359.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009359.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009359.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502-A

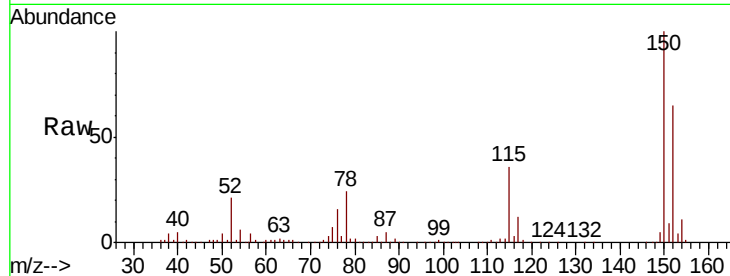
Tot Ion:152 Resp: 108326

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

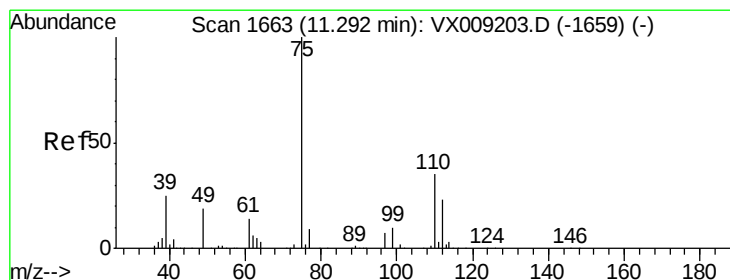
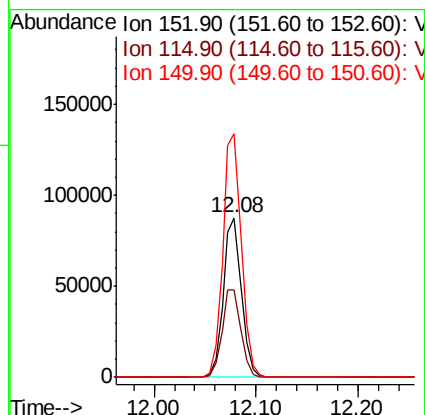
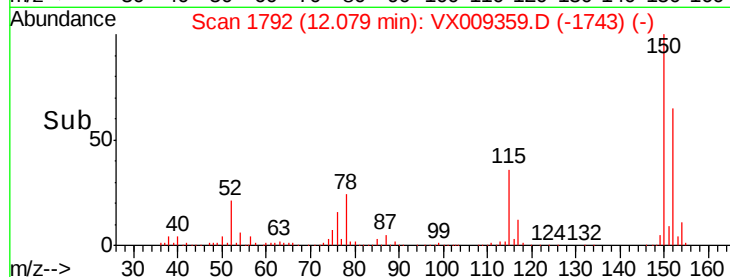
150 157.2 0.0 346.4



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: 24.100 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009359.D

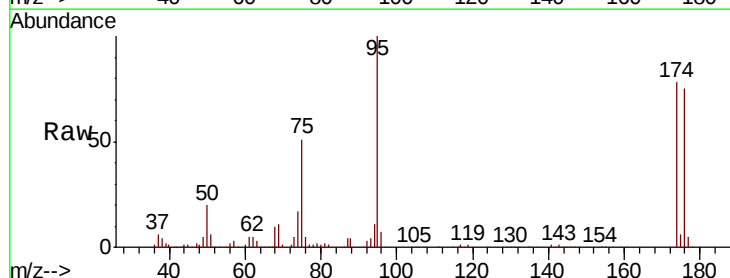
Acq: 06 May 2019 18:36

Tgt Ion: 75 Resp: 60558

Ion Ratio Lower Upper

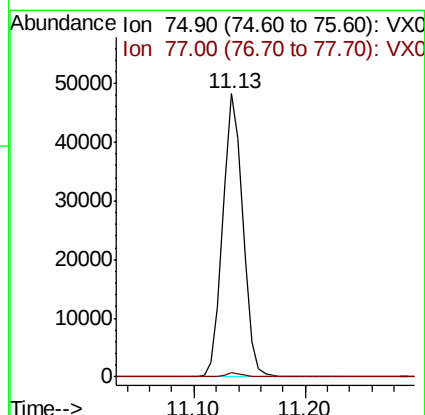
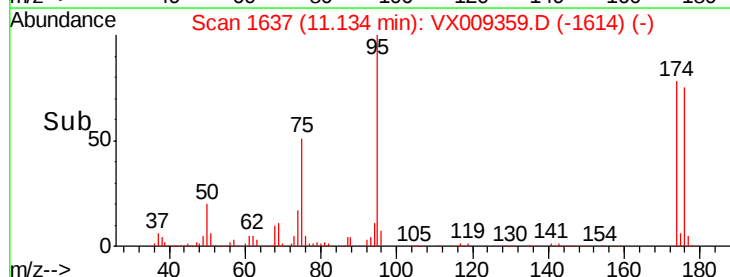
75 100

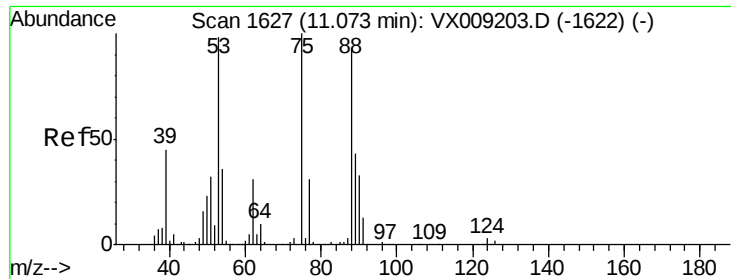
77 1.4 22.1 66.1#



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: 61.663 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009359.D

Acq: 06 May 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502-A

Tot Ion: 75 Resp: 60558

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

