

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009357.D
 Acq On : 06 May 2019 17:49
 Operator : JC/SP
 Sample : K2697-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190502

Quant Time: May 07 06:37:36 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	180044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	246118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117712	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
35) Dibromofluoromethane	5.50	113	88555	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	8.71	98	353711	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.13	95	114349	43.34	ug/l	0.00
Spiked Amount			Recovery	=	86.68%	

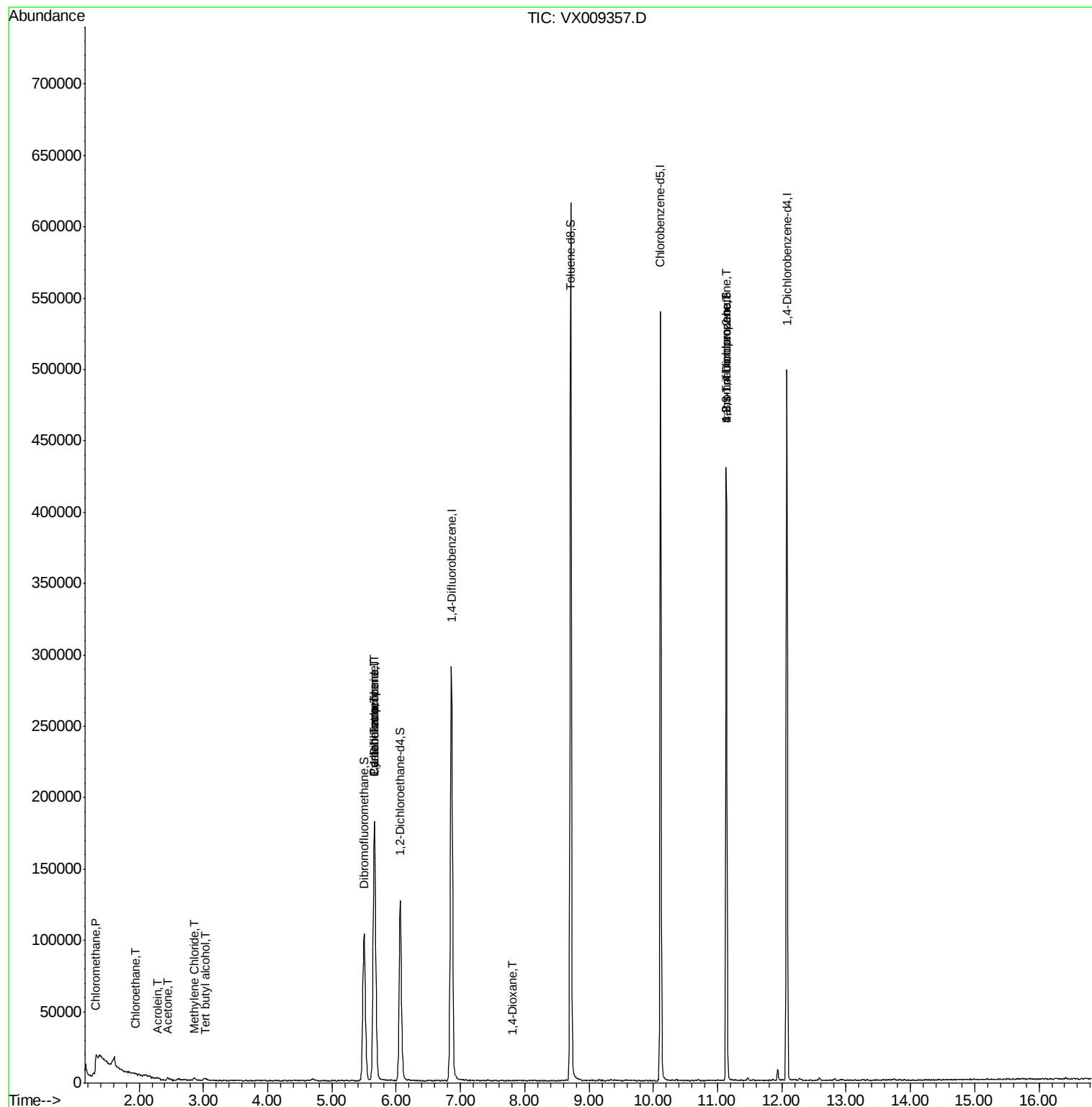
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	794	0.351	ug/l	93
6) Chloroethane	1.95	64	327	0.231	ug/l #	43
11) Tert butyl alcohol	3.03	59	791	1.390	ug/l #	73
13) Acrolein	2.29	56	133	0.258	ug/l #	73
16) Acetone	2.44	43	2156	1.634	ug/l	99
20) Methylene Chloride	2.85	84	679	0.318	ug/l #	88
28) Bromochloromethane	5.04	49	21	Below Cal	#	20
31) Cyclohexane	5.67	56	3821	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13629	5.126	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16970	7.025	ug/l #	15
49) 1,4-Dioxane	7.81	88	19	0.319	ug/l #	20
76) 1,2,3-Trichloropropane	11.13	75	57787	24.563	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57787	62.847	ug/l #	10

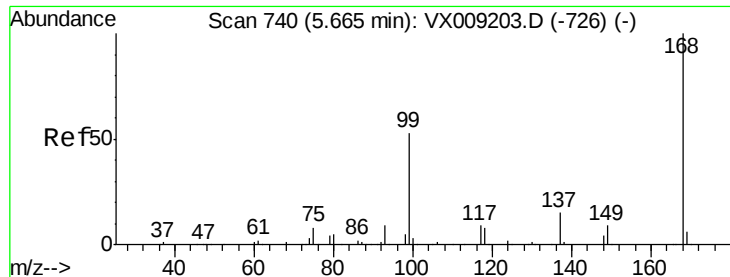
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

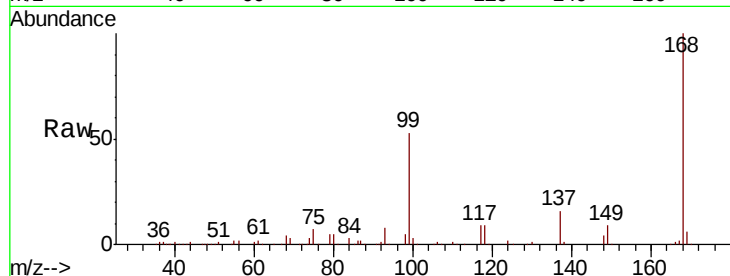
MW-2-20190502

Tot Ion:168 Resp: 180044

Ion Ratio Lower Upper

168 100

99 52.9 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

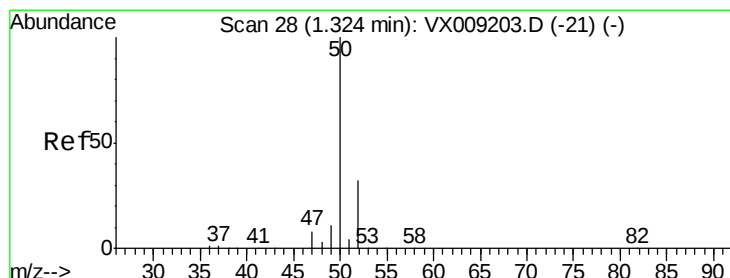
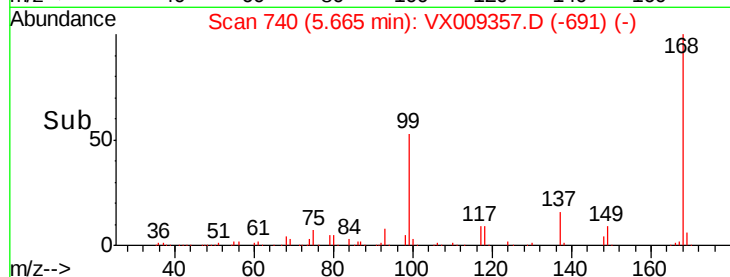
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.351 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009357.D

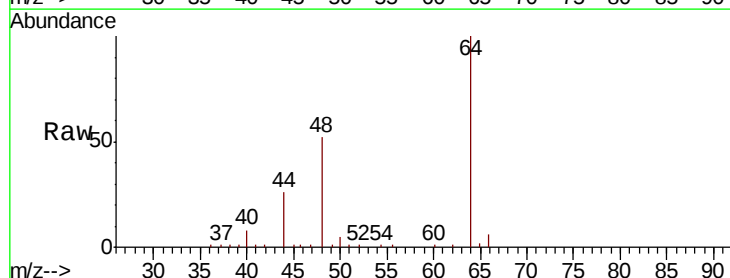
Acq: 06 May 2019 17:49

Tgt Ion: 50 Resp: 794

Ion Ratio Lower Upper

50 100

52 28.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

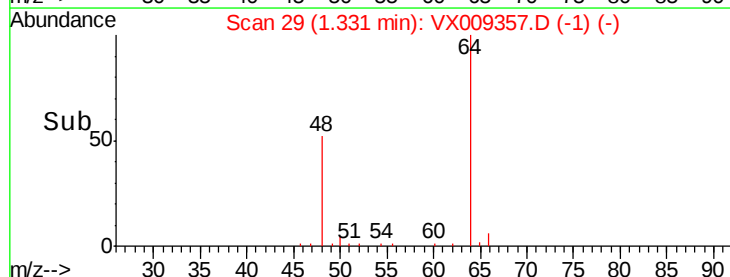
300

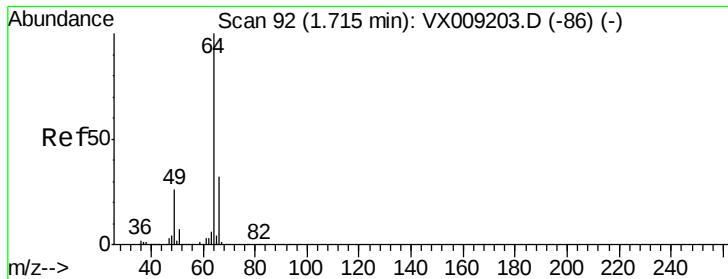
200

100

0

Time--> 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 0.231 ug/l

RT: 1.95 min Scan# 130

Delta R.T. 0.23 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

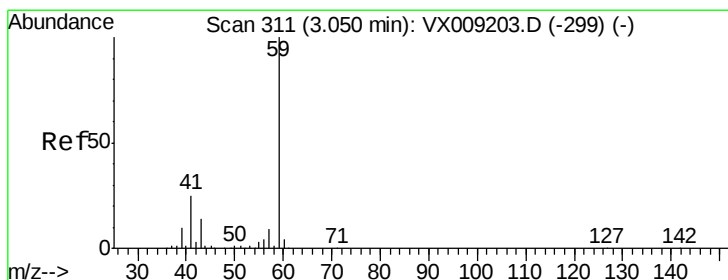
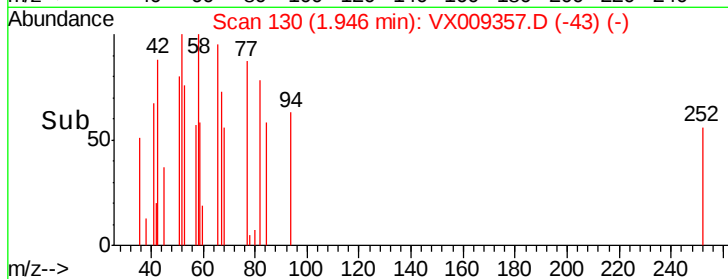
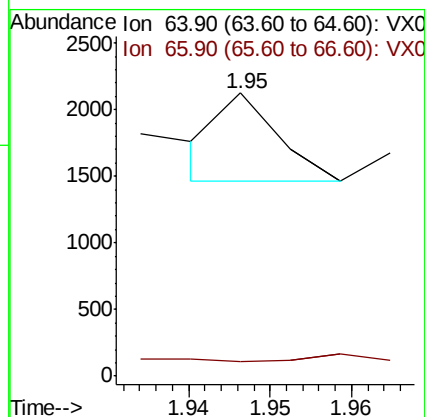
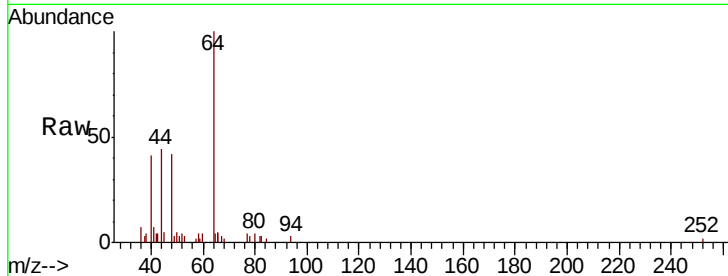
MW-2-20190502

Tot Ion: 64 Resp: 327

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#11

Tert butyl alcohol

Concen: 1.390 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009357.D

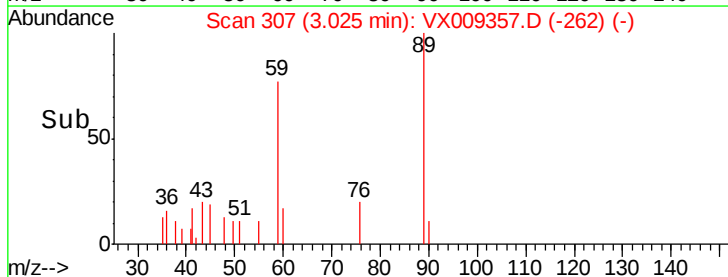
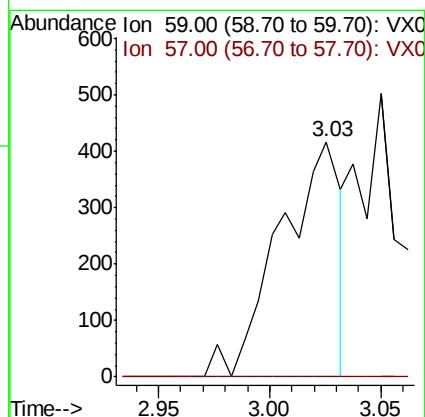
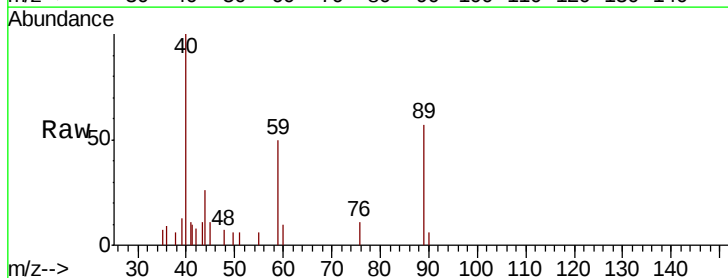
Acq: 06 May 2019 17:49

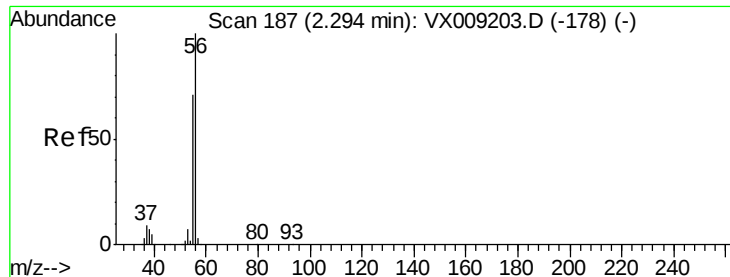
Tgt Ion: 59 Resp: 791

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.258 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

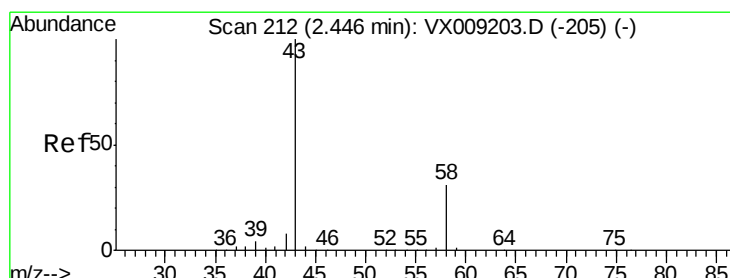
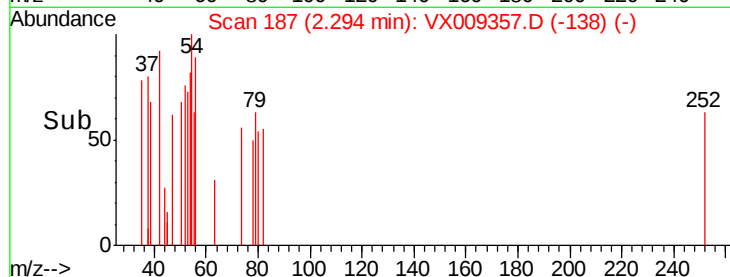
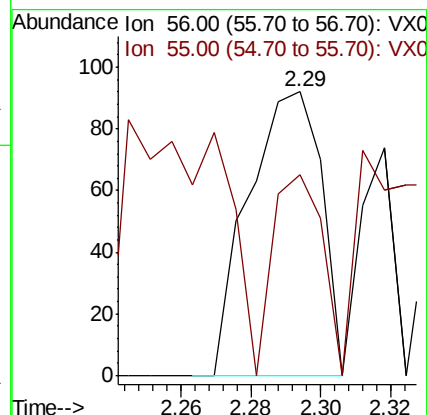
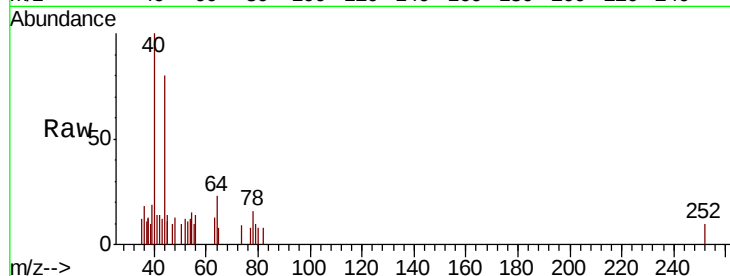
MW-2-20190502

Tot Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 48.1 56.6 85.0#



#16

Acetone

Concen: 1.634 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009357.D

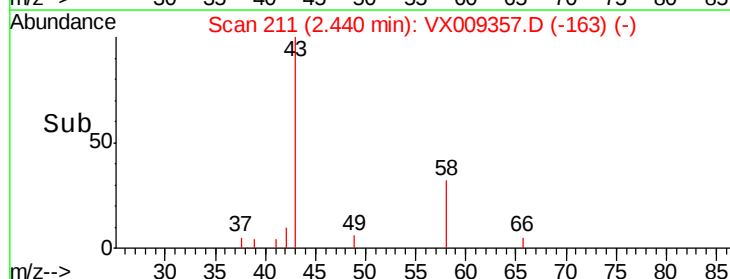
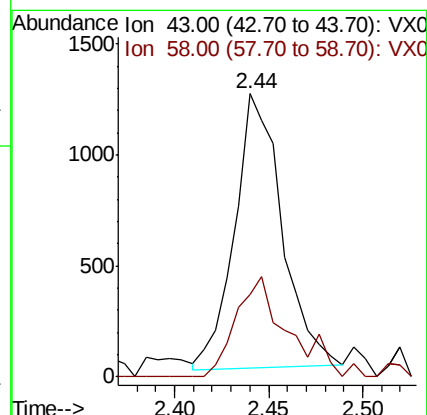
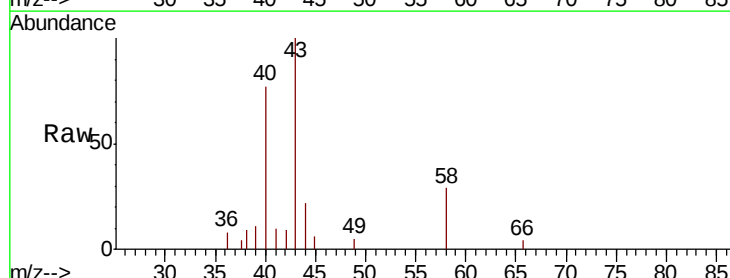
Acq: 06 May 2019 17:49

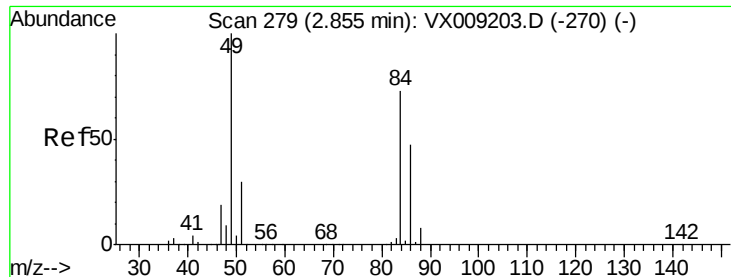
Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3

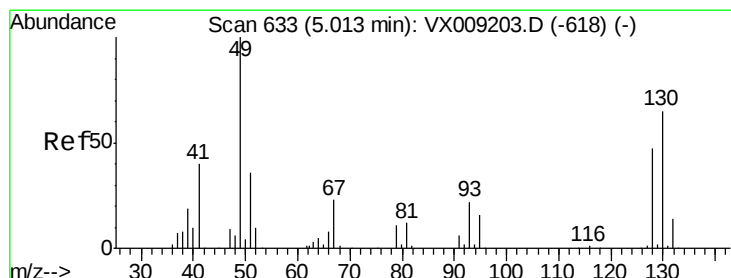
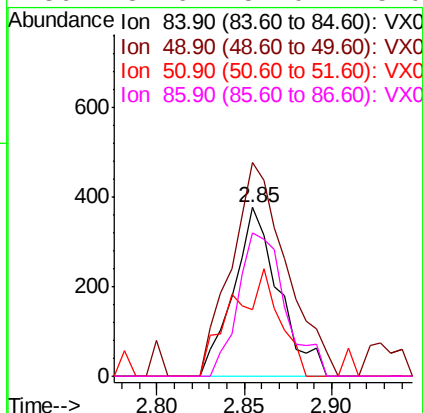
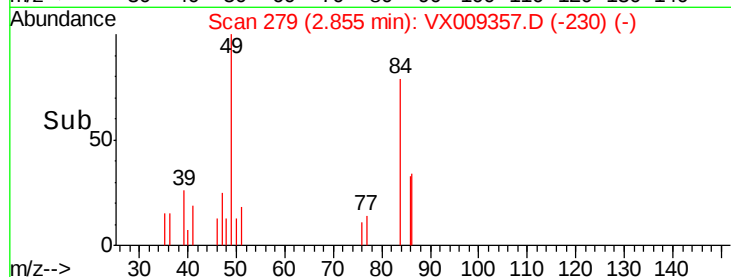
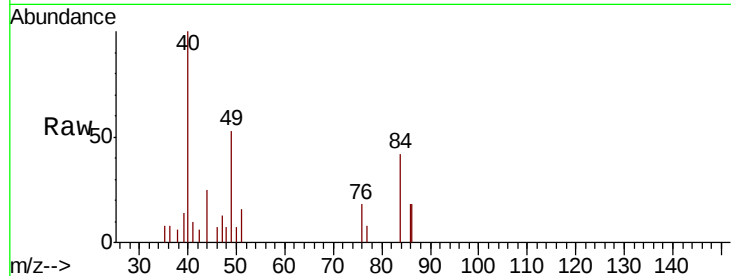




#20
Methvlene Chloride
Concen: 0.318 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009357.D
Acq: 06 May 2019 17:49

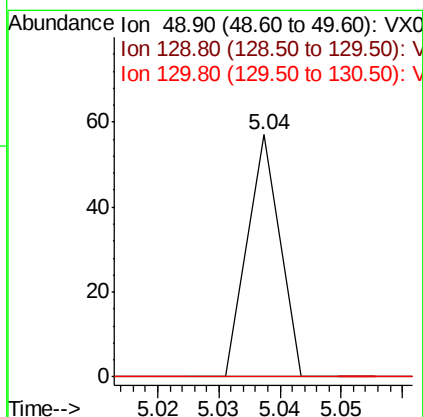
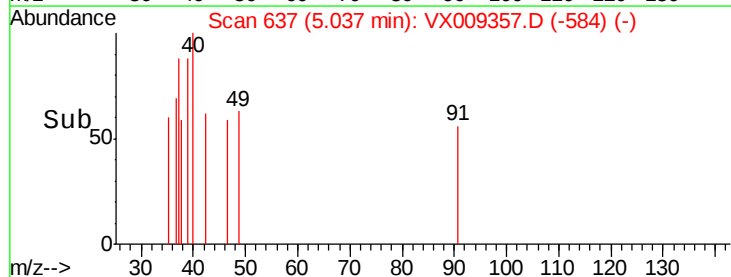
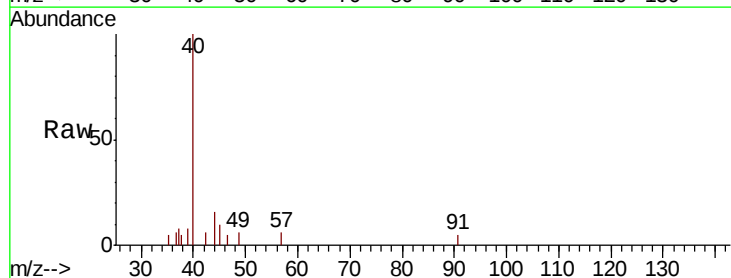
Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190502

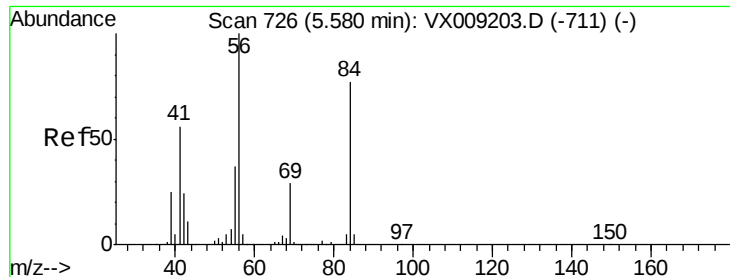
Tot Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
49 126.5 109.9 164.9
51 39.5 32.7 49.1
86 84.6 52.0 78.0#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 637
Delta R.T. 0.03 min
Lab File: VX009357.D
Acq: 06 May 2019 17:49

Tgt Ion: 49 Resp: 21
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

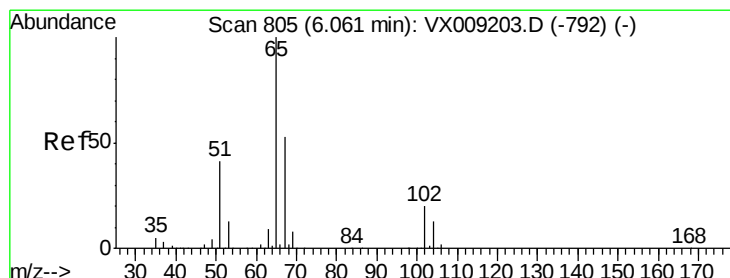
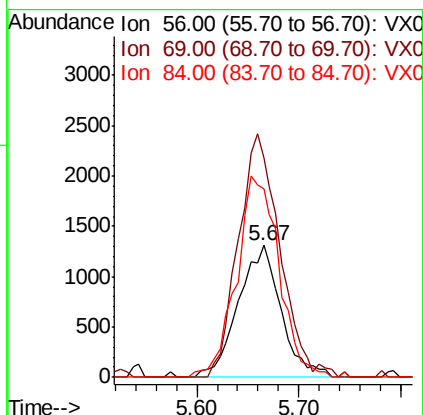
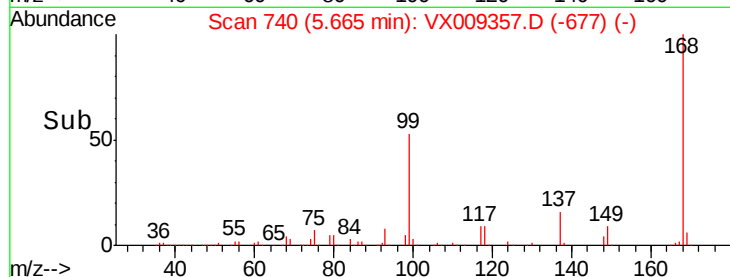
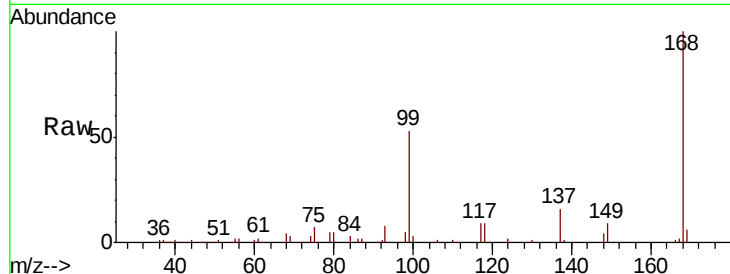




#31
Cvclohexane
Concen: 1.052 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009357.D
Acq: 06 May 2019 17:49

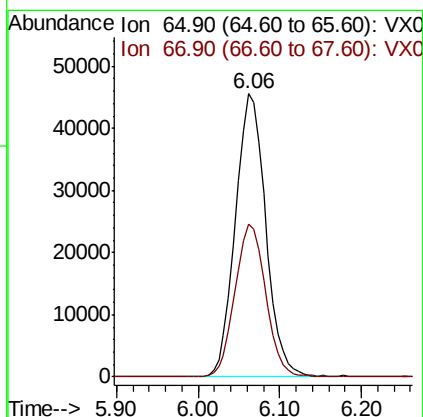
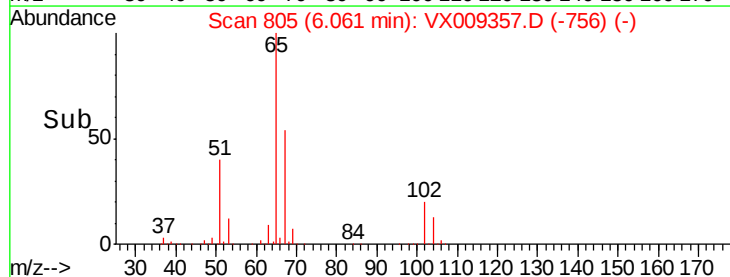
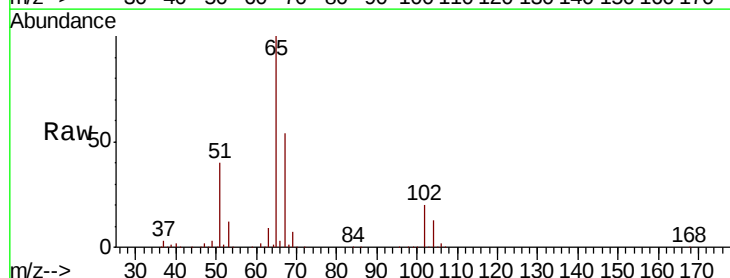
Instrument :
MSVOA_X
ClientSampleId :
MW-2-20190502

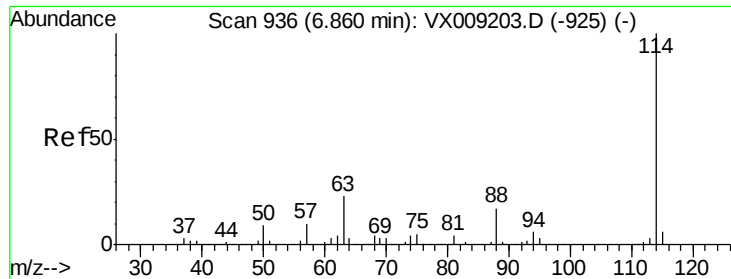
Tot Ion: 56 Resp: 3821
Ion Ratio Lower Upper
56 100
69 165.7 23.4 35.0#
84 142.9 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 47.893 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009357.D
Acq: 06 May 2019 17:49

Tgt Ion: 65 Resp: 117712
Ion Ratio Lower Upper
65 100
67 54.8 0.0 106.6

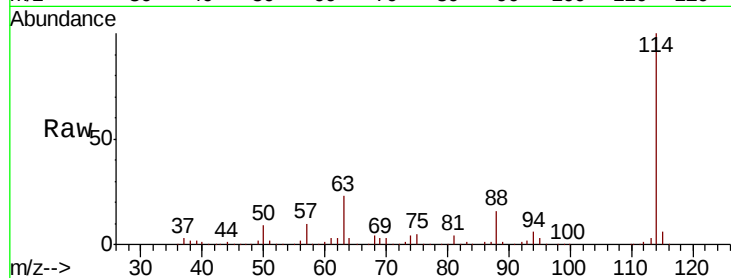




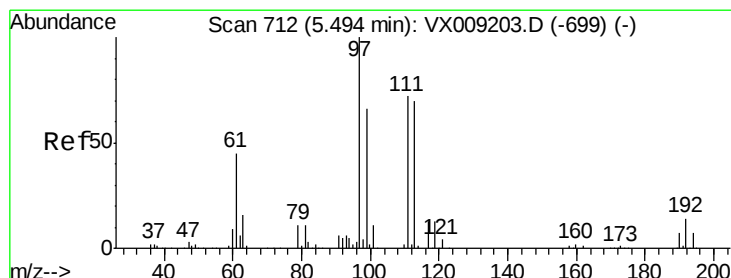
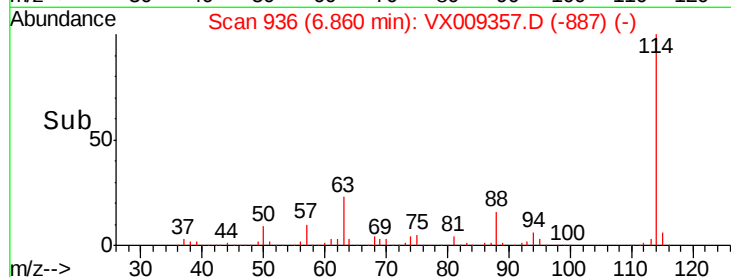
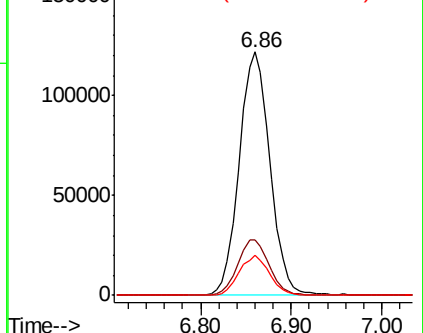
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009357.D
 Acq: 06 May 2019 17:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190502

Tot Ion:114 Resp: 286102
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.4 0.0 33.2

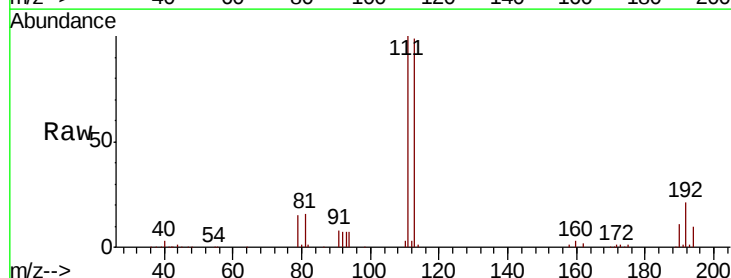


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

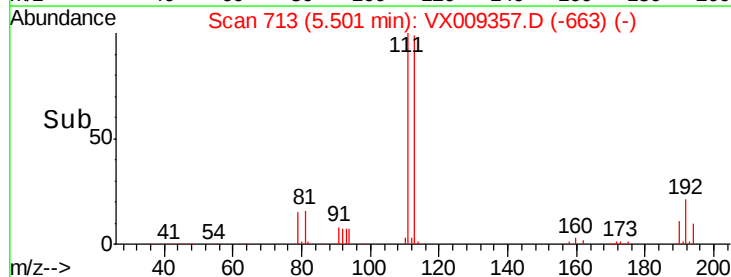
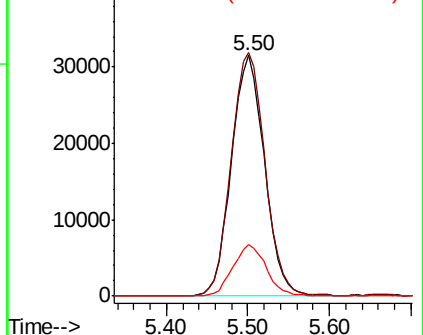


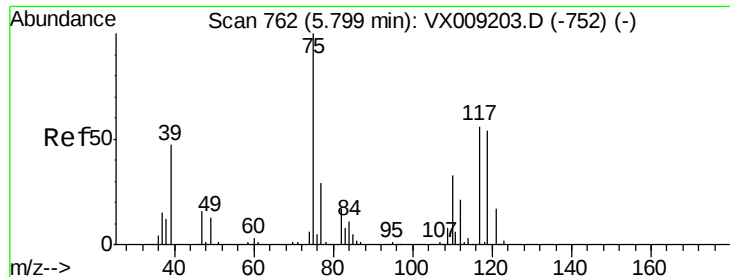
#35
 Dibromofluoromethane
 Concen: 49.237 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009357.D
 Acq: 06 May 2019 17:49

Tgt Ion:113 Resp: 88555
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 21.5 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: 5.126 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190502

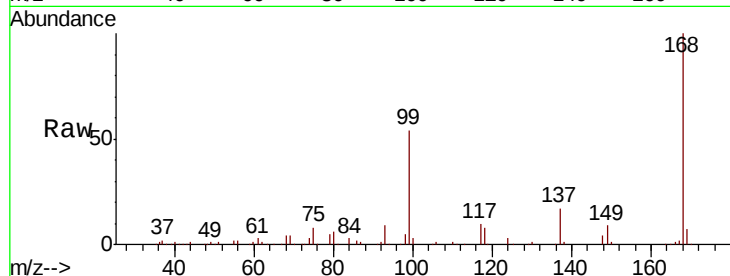
Tot Ion: 75 Resp: 13629

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.6#

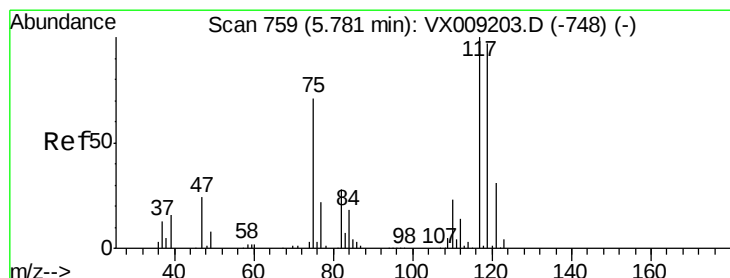
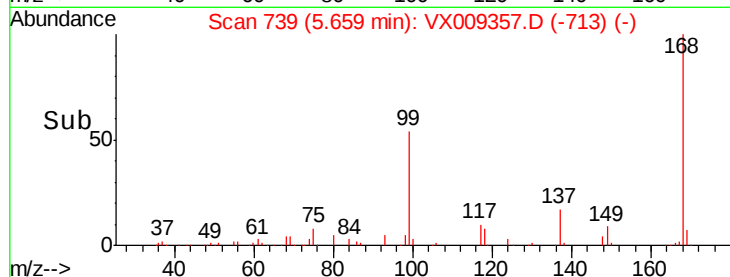
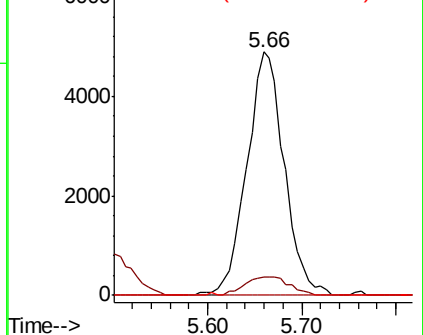
77 0.0 24.8 37.2#



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: 7.025 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

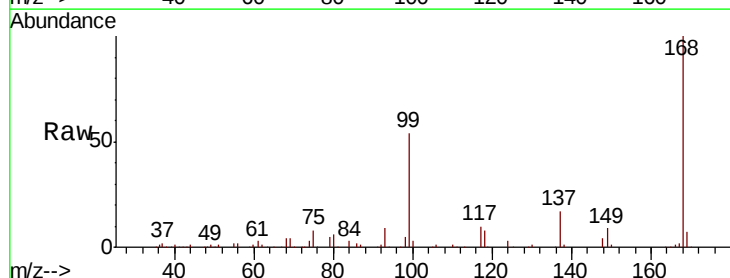
Tgt Ion:117 Resp: 16970

Ion Ratio Lower Upper

117 100

119 3.9 77.5 116.3#

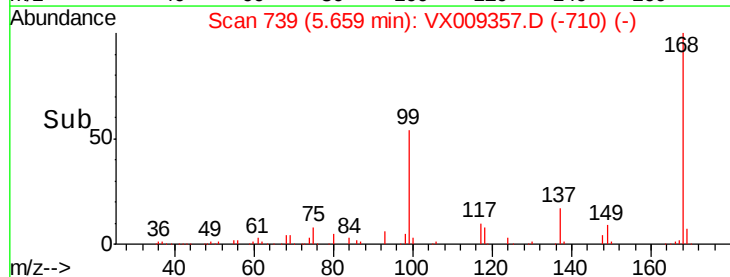
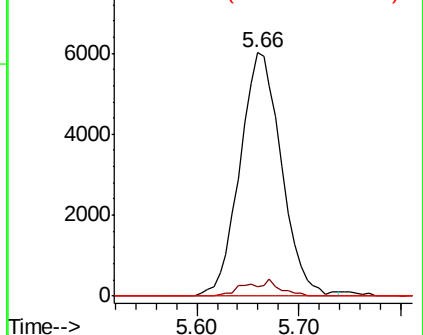
121 0.0 24.7 37.1#

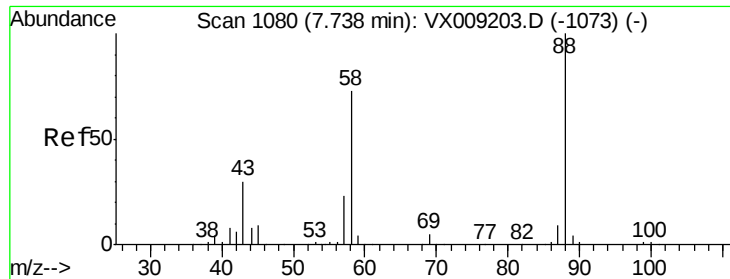


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.319 ug/l

RT: 7.81 min Scan# 1091

Delta R.T. 0.07 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampled :

MW-2-20190502

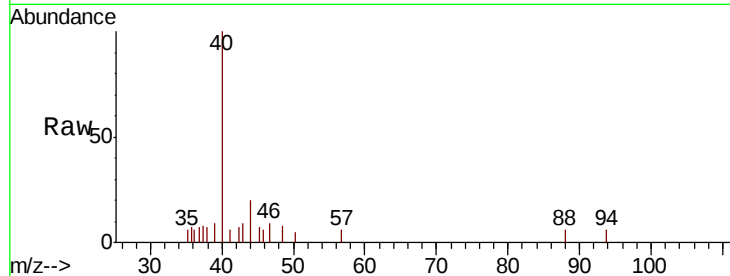
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

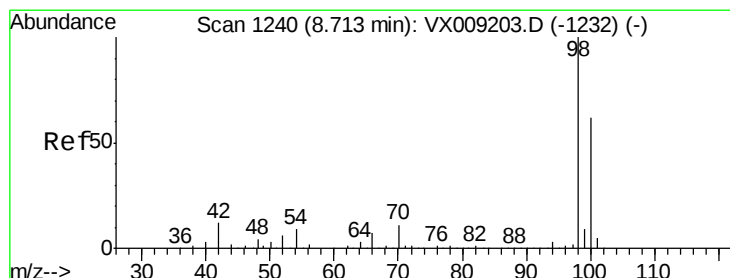
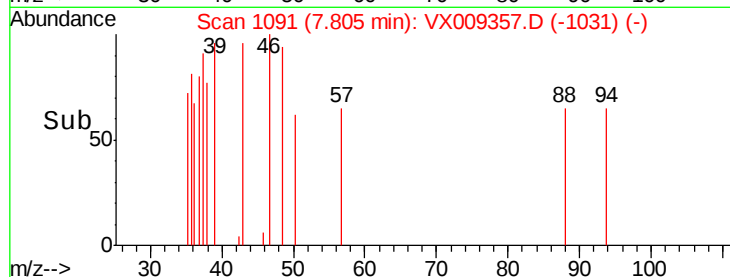
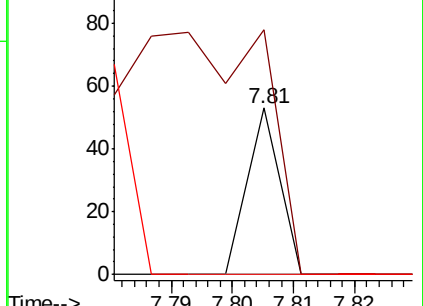
58 0.0 61.7 92.5#



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: 48.712 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009357.D

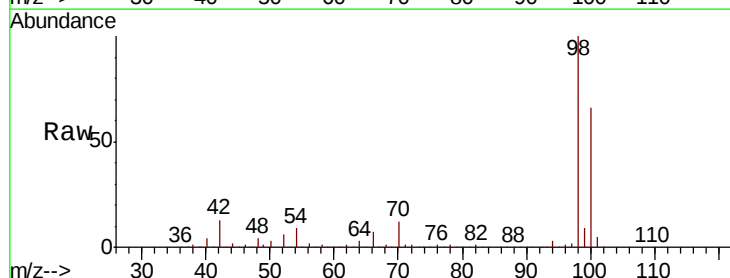
Acq: 06 May 2019 17:49

Tgt Ion: 98 Resp: 353711

Ion Ratio Lower Upper

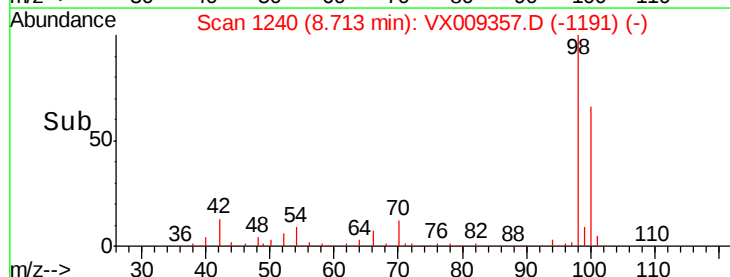
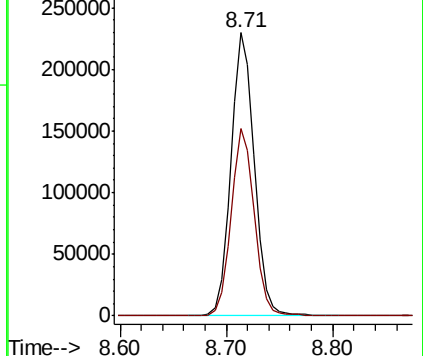
98 100

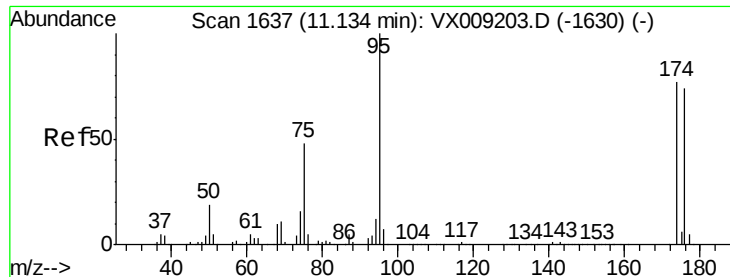
100 65.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.340 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190502

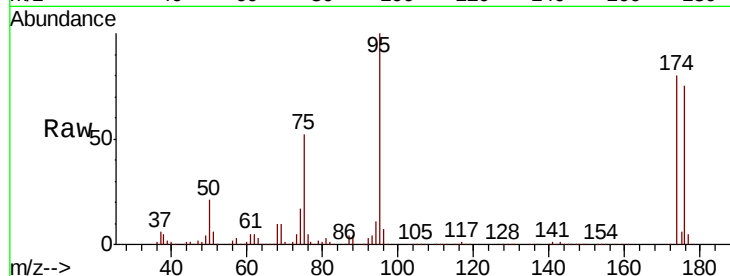
Tot Ion: 95 Resp: 114349

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

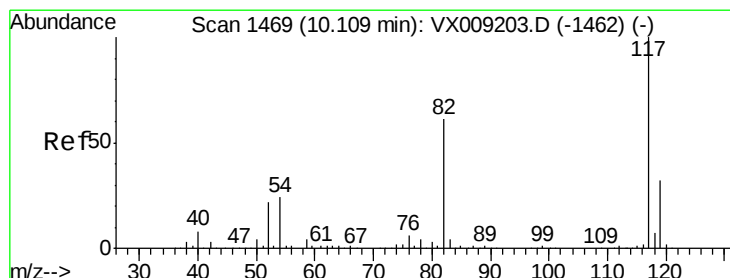
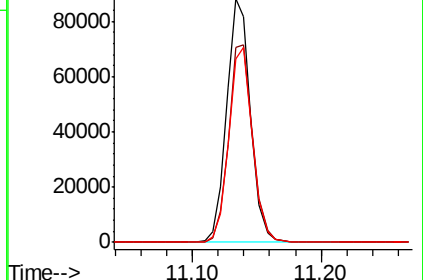
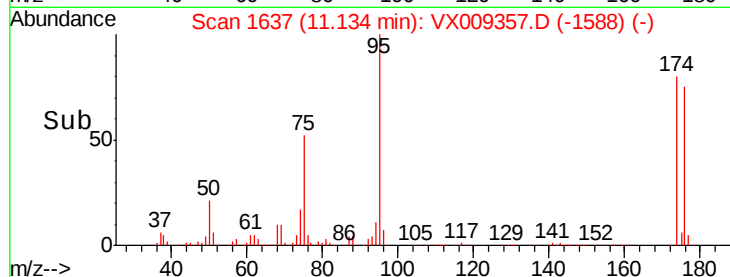
176 79.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009357.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009357.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009357.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

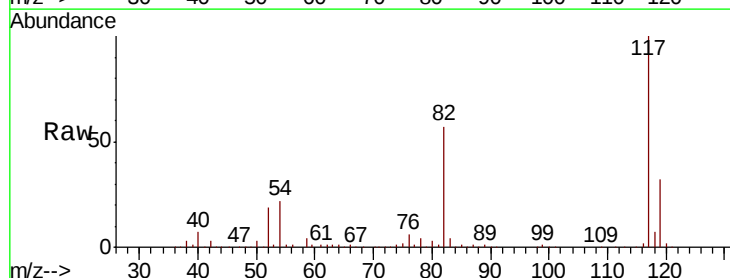
Tgt Ion: 117 Resp: 246118

Ion Ratio Lower Upper

117 100

82 56.5 48.8 73.2

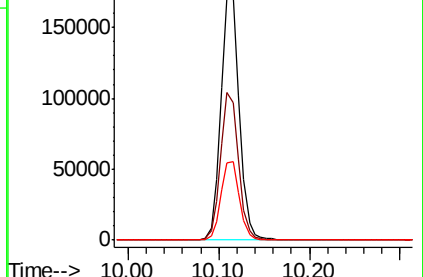
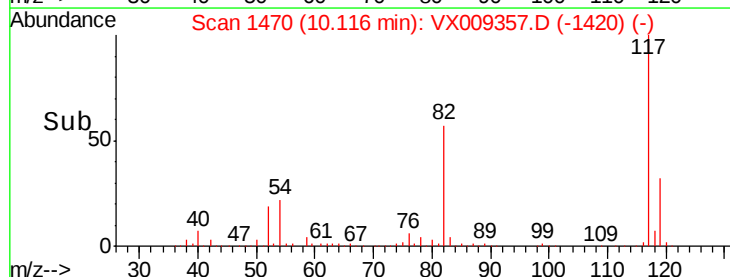
119 32.2 25.8 38.6

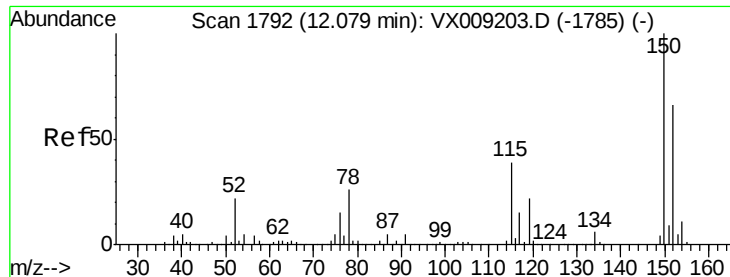


Abundance Ion 116.90 (116.60 to 117.60): VX009357.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009357.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009357.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: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190502

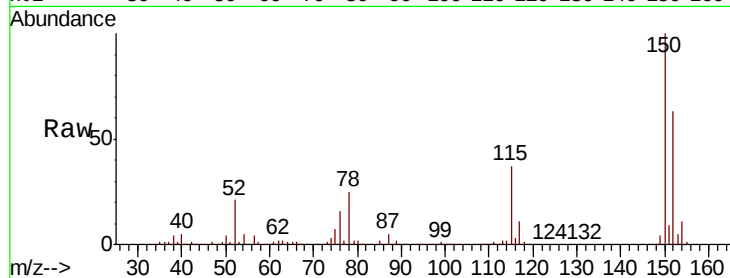
Tot Ion:152 Resp: 101423

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

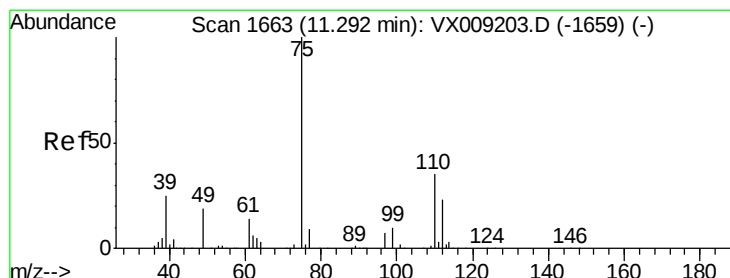
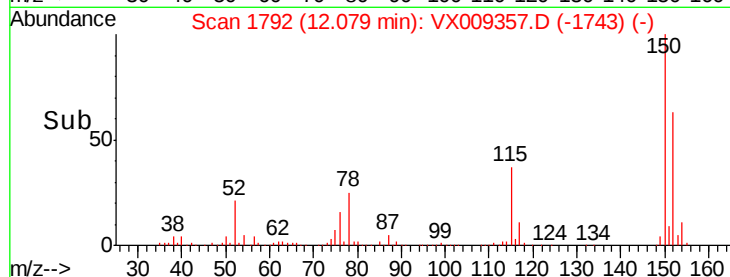
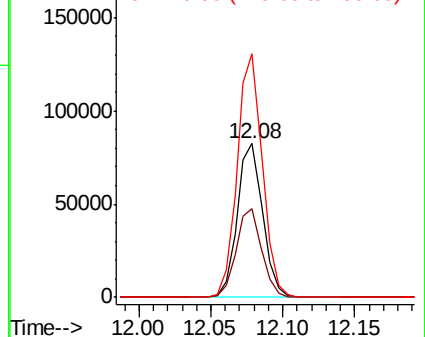
150 157.4 0.0 346.4



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: 24.563 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009357.D

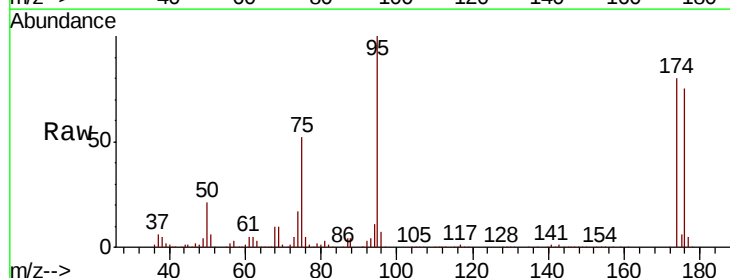
Acq: 06 May 2019 17:49

Tgt Ion: 75 Resp: 57787

Ion Ratio Lower Upper

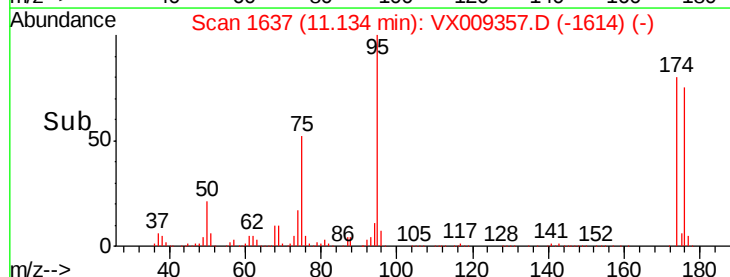
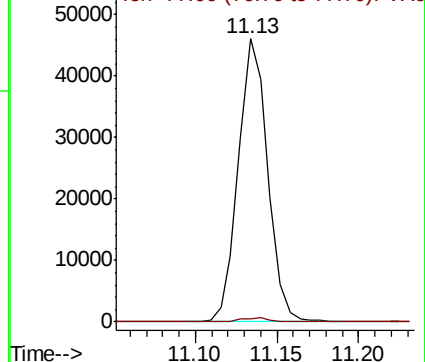
75 100

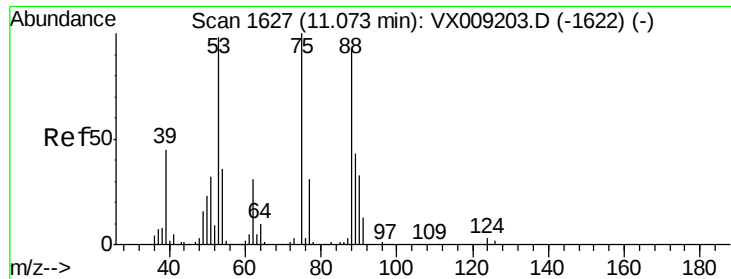
77 1.6 22.1 66.1#



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: 62.847 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009357.D

Acq: 06 May 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

MW-2-20190502

Tot Ion: 75 Resp: 57787

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

