

Data File : VW010778.D
Acq On : 12 Jun 2019 15:15
Operator : SY/VA
Sample : K3303-01
Misc : 5.71G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BAT-B03

Quant Time: Jun 13 07:37:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	135707	58.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.06%	
35) Dibromofluoromethane	7.88	113	99624	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	10.32	98	451646	55.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.14%	
62) 4-Bromofluorobenzene	12.62	95	154071	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

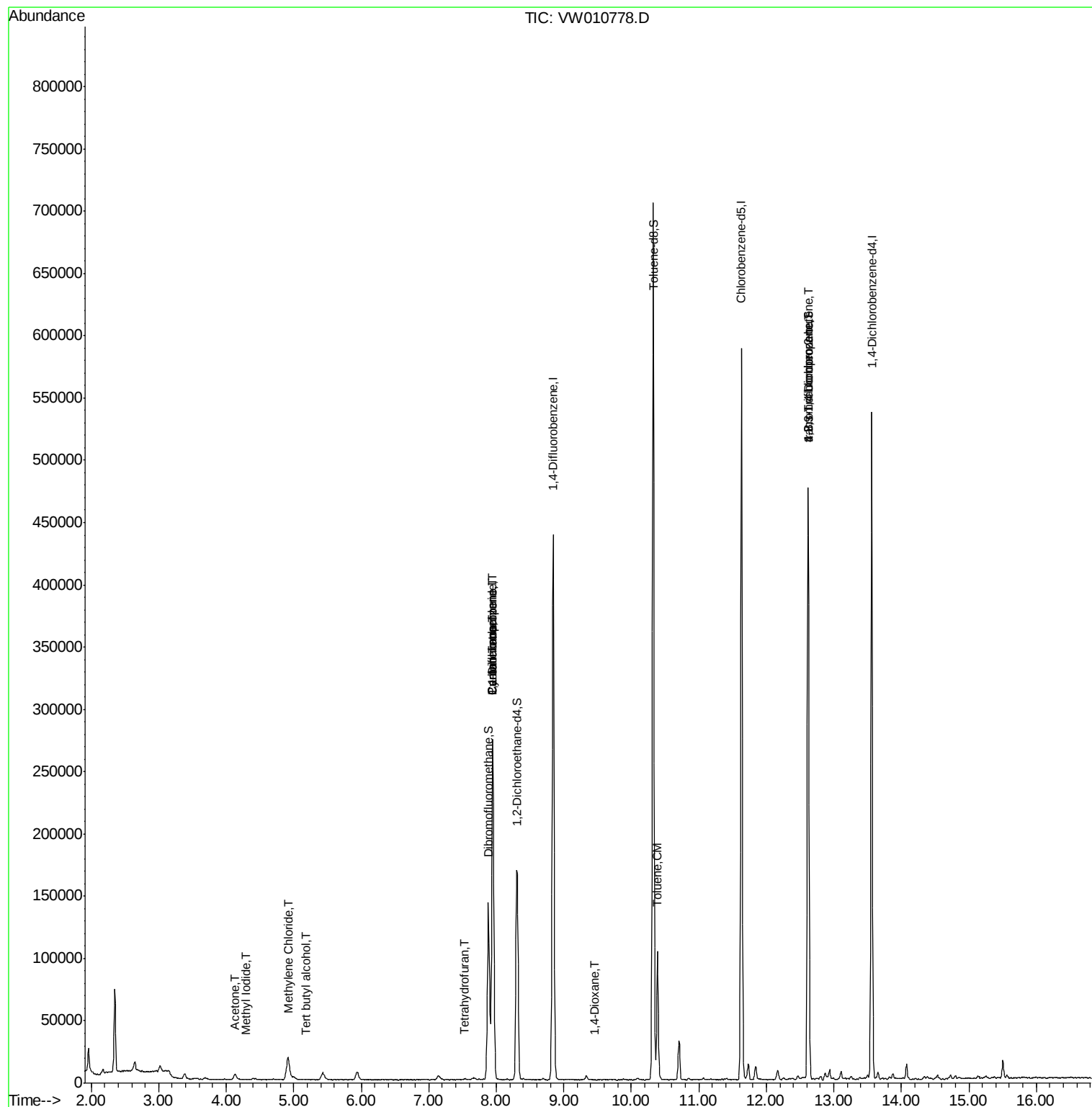
						Qvalue
10) Methyl Iodide	4.29	142	164	4.871	ug/l #	41
11) Tert butyl alcohol	5.18	59	400	2.118	ug/l #	72
16) Acetone	4.13	43	8121	13.073	ug/l	94
20) Methylene Chloride	4.91	84	12414	5.696	ug/l	94
29) Tetrahydrofuran	7.52	42	791	1.460	ug/l #	40
31) Cyclohexane	7.95	56	5803	1.241	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	17338	4.961	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20212	6.699	ug/l #	16
49) 1,4-Dioxane	9.46	88	19	1.037	ug/l #	68
52) Toluene	10.39	92	41918	7.145	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	83976	61.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83976	142.033	ug/l #	5

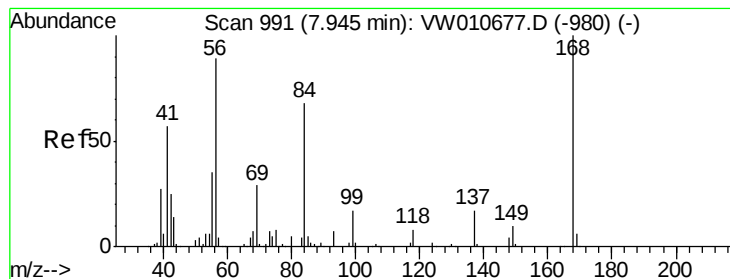
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

Instrument :

MSVOA_W

ClientSampleId :

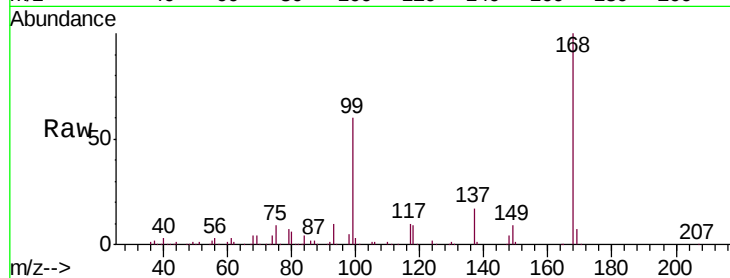
BAT-B03

Tgt Ion:168 Resp: 196698

Ion Ratio Lower Upper

168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

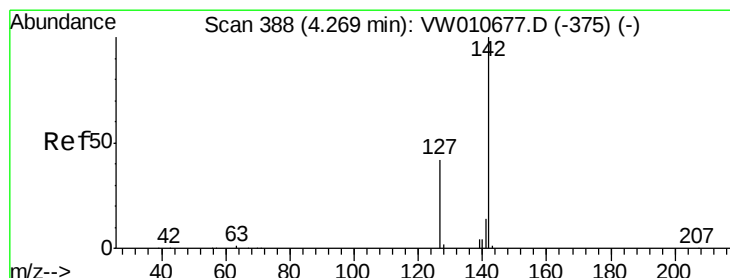
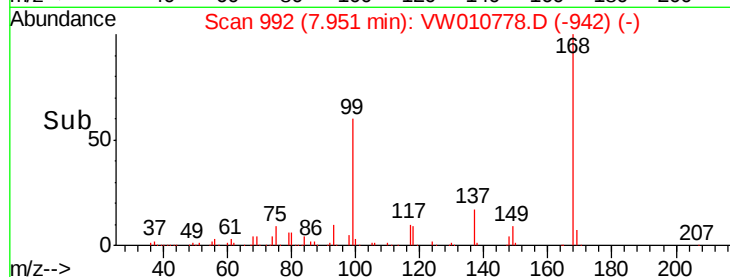
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.871 ug/l

RT: 4.29 min Scan# 392

Delta R.T. 0.02 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

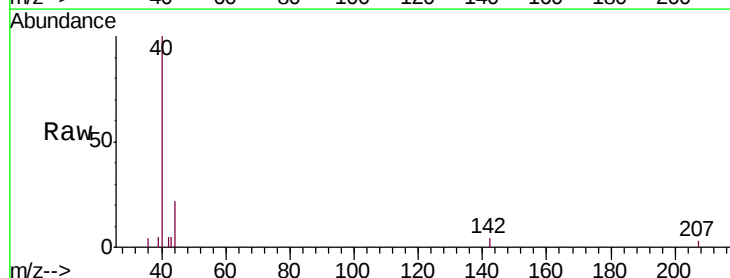
Tgt Ion:142 Resp: 164

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



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

4.29

80

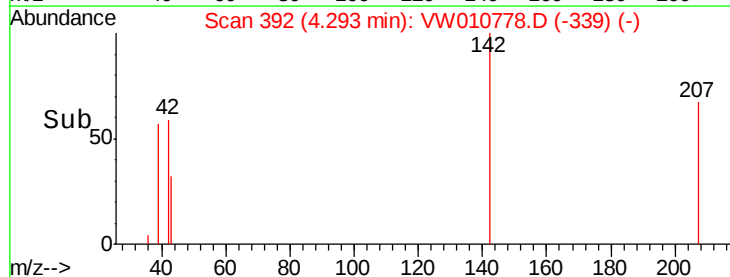
60

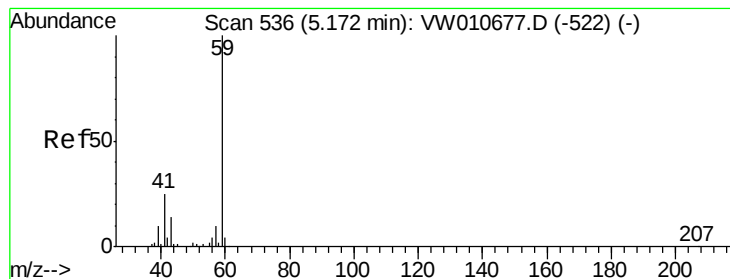
40

20

0

Time-->



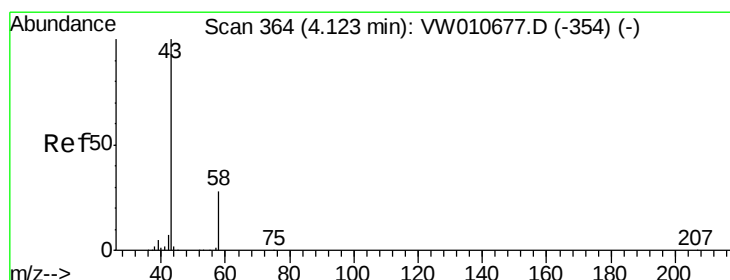
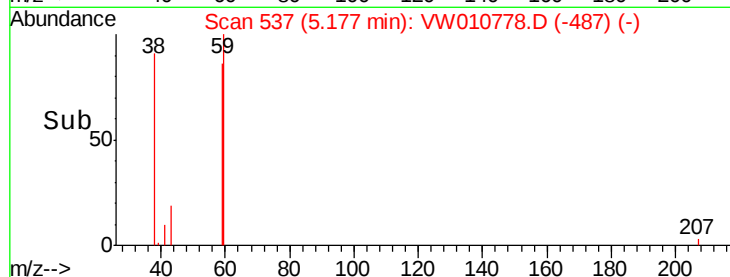
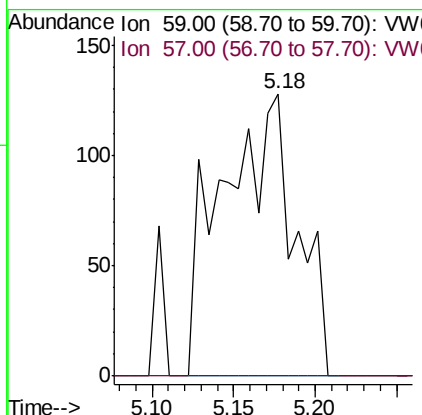
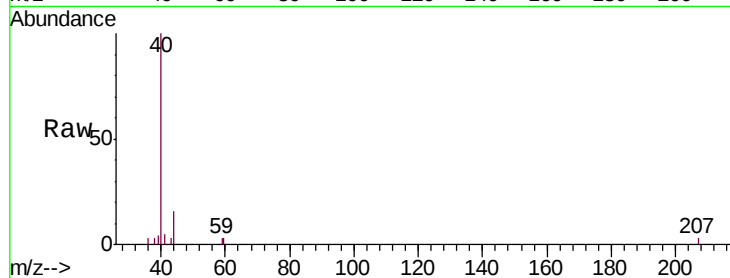


#11

Tert butyl alcohol
 Concen: 2.118 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010778.D
 Acq: 12 Jun 2019 15:15

Instrument :
 MSVOA_W
 ClientSampled :
 BAT-B03

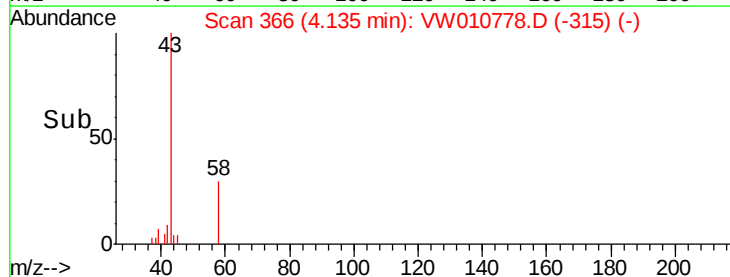
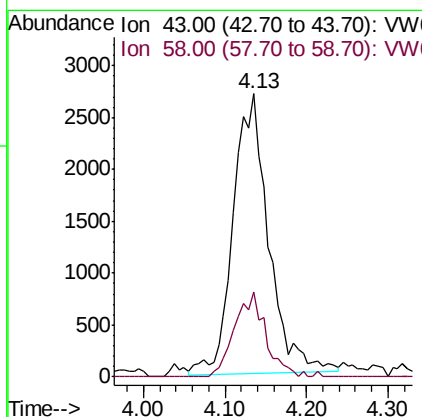
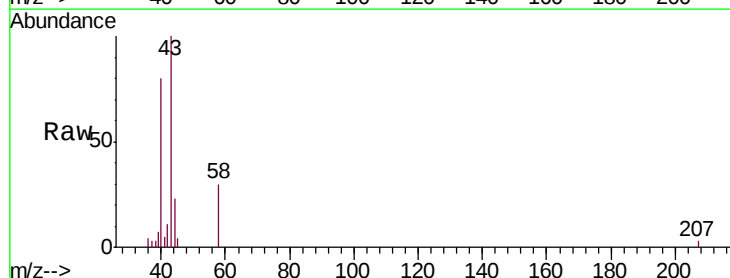
Tgt Ion: 59 Resp: 400
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

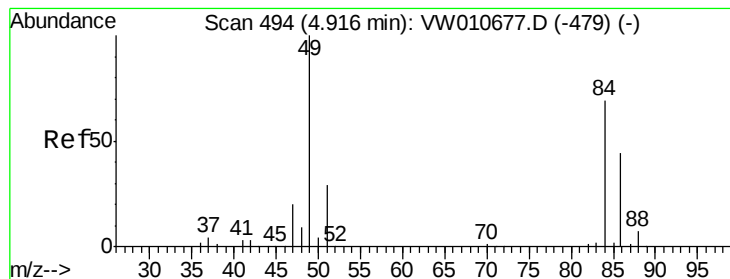


#16

Acetone
 Concen: 13.073 ug/l
 RT: 4.13 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW010778.D
 Acq: 12 Jun 2019 15:15

Tgt Ion: 43 Resp: 8121
 Ion Ratio Lower Upper
 43 100
 58 30.9 22.1 33.1





#20

Methylene Chloride

Concen: 5.696 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

Instrument :

MSVOA_W

ClientSampled :

BAT-B03

Tgt Ion: 84 Resp: 12414

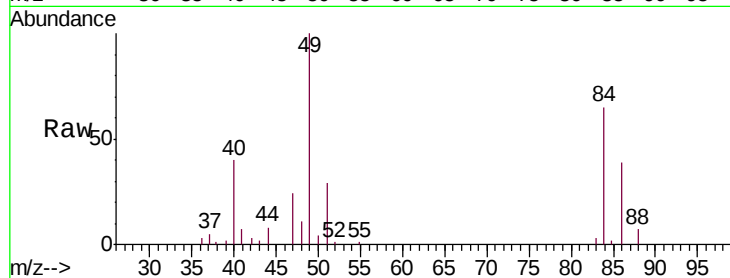
Ion Ratio Lower Upper

84 100

49 154.7 116.7 175.1

51 45.2 34.2 51.2

86 60.3 51.2 76.8



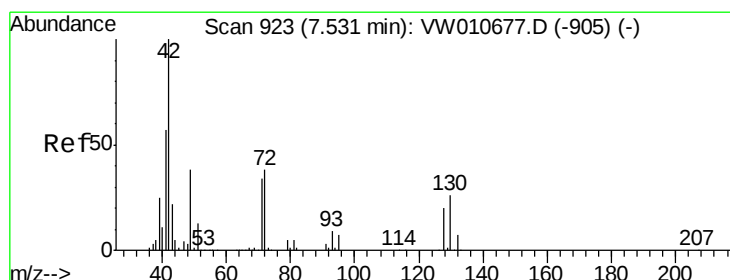
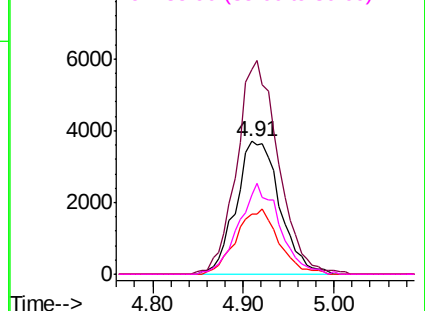
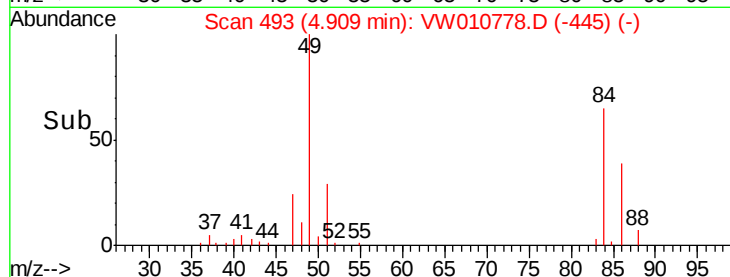
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 1.460 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

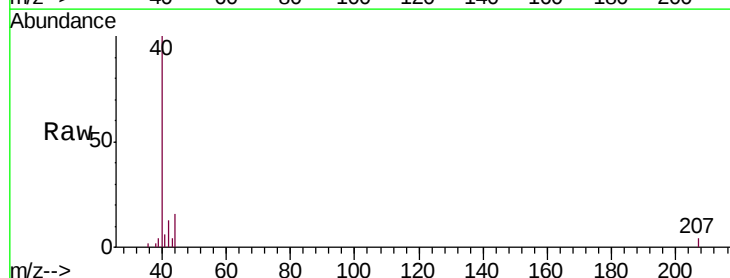
Tgt Ion: 42 Resp: 791

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 0.0 26.6 39.8#

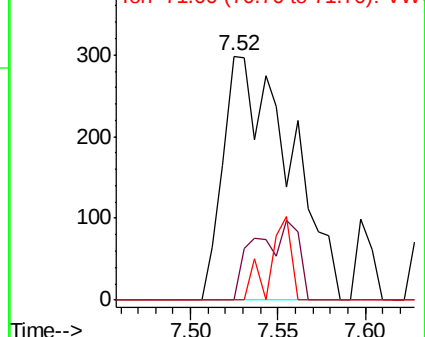
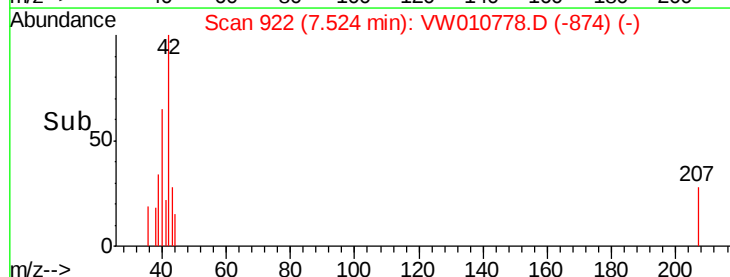


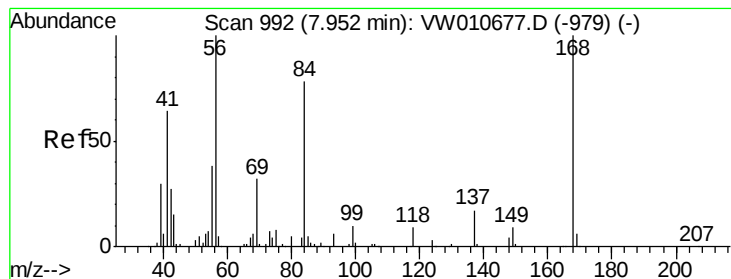
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.241 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

Instrument :

MSVOA_W

ClientSampled :

BAT-B03

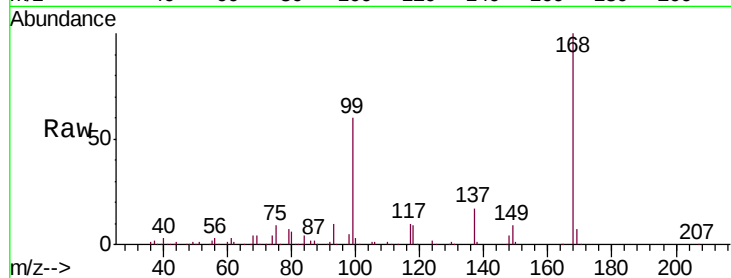
Tgt Ion: 56 Resp: 5803

Ion Ratio Lower Upper

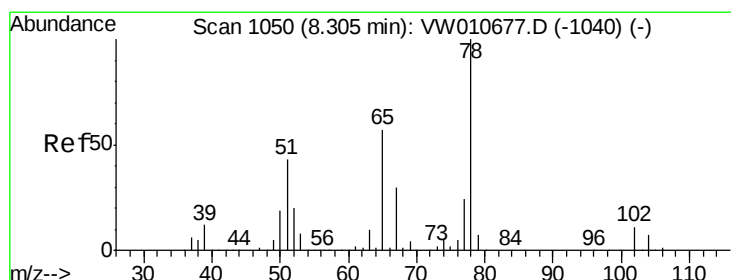
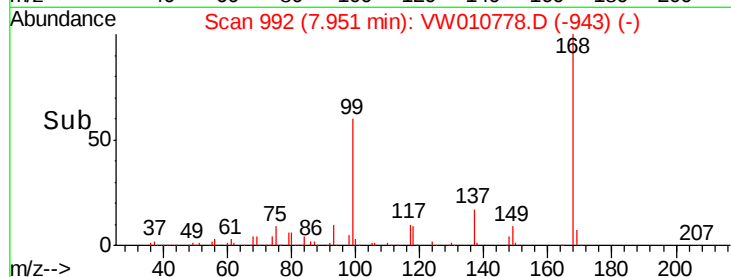
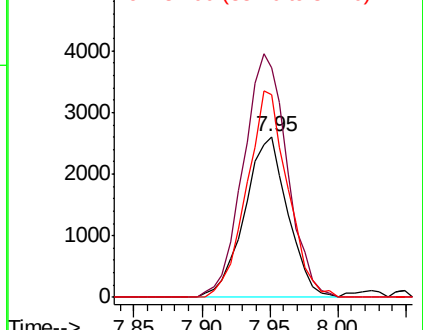
56 100

69 143.1 25.2 37.8#

84 126.0 62.2 93.2#



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



#33

1,2-Dichloroethane-d4

Concen: 58.534 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010778.D

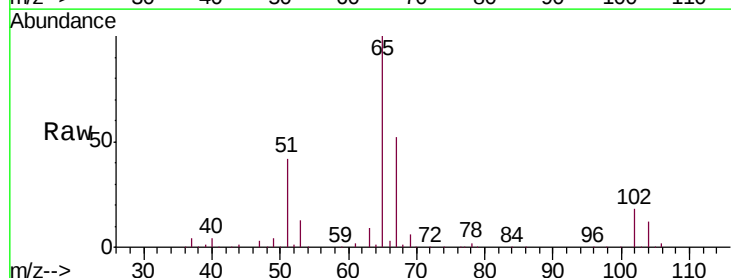
Acq: 12 Jun 2019 15:15

Tgt Ion: 65 Resp: 135707

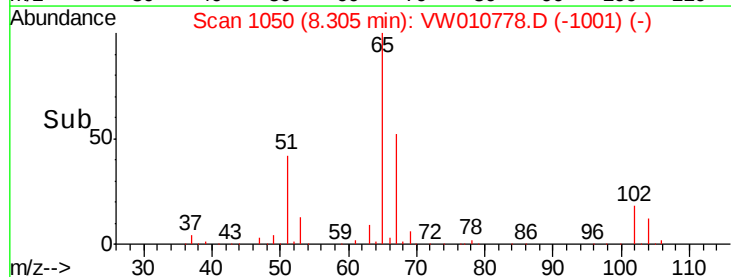
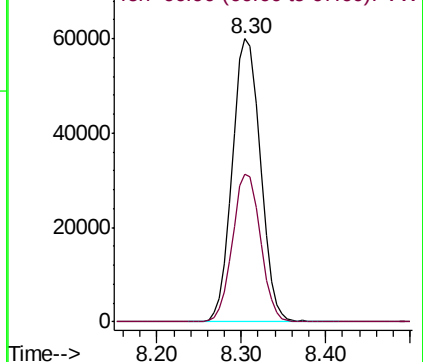
Ion Ratio Lower Upper

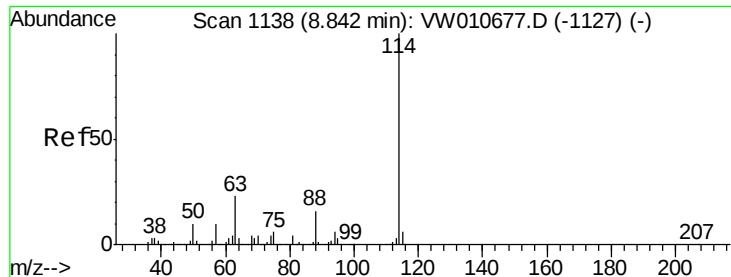
65 100

67 51.7 0.0 102.6



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

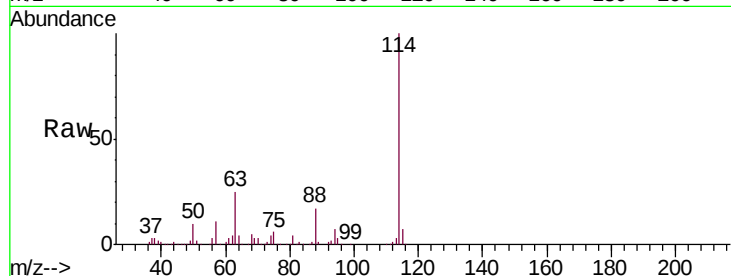




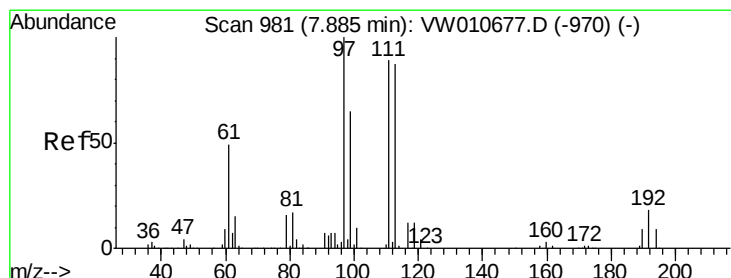
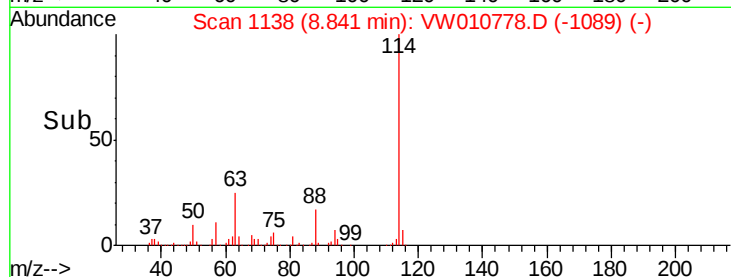
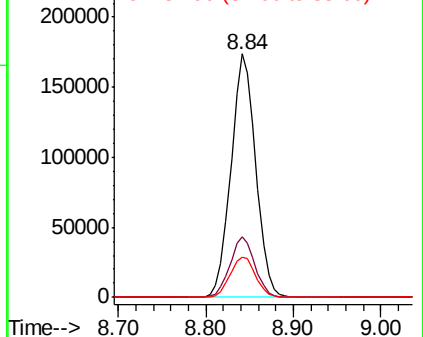
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010778.D
 Acq: 12 Jun 2019 15:15

Instrument :
 MSVOA_W
 ClientSampleId :
 BAT-B03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	46.4
88	16.7	0.0	32.2

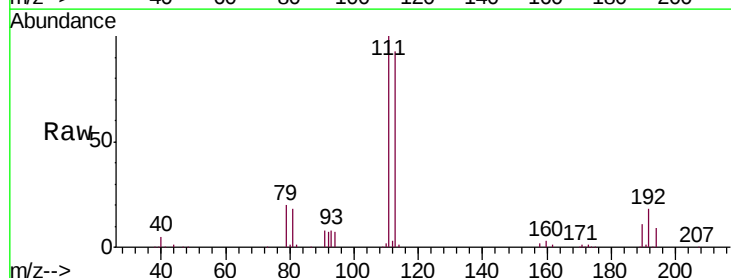


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

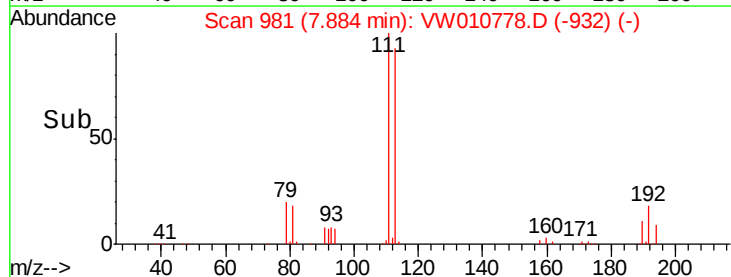
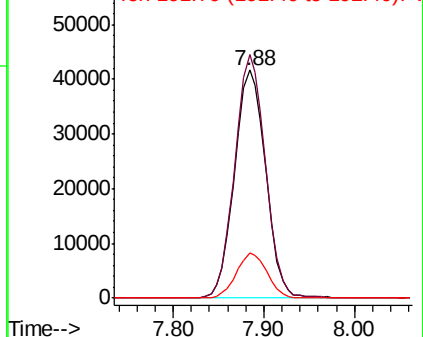


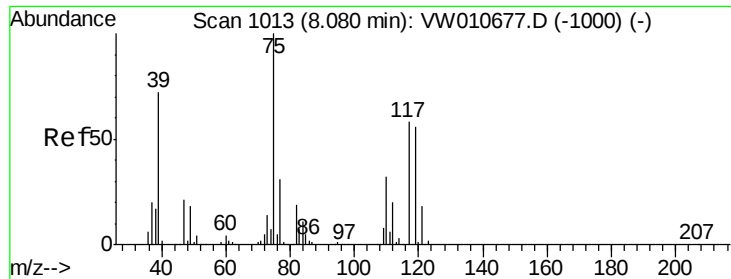
#35
 Dibromofluoromethane
 Concen: 53.755 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010778.D
 Acq: 12 Jun 2019 15:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.6	123.8
192	19.5	16.4	24.6



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

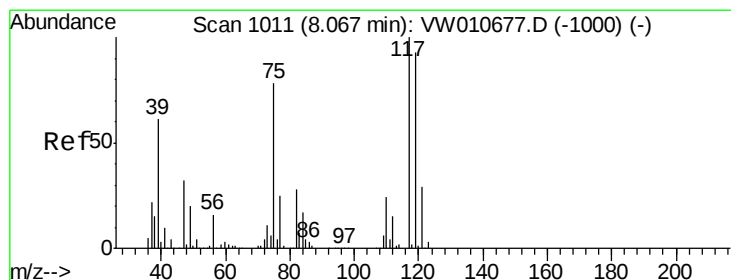
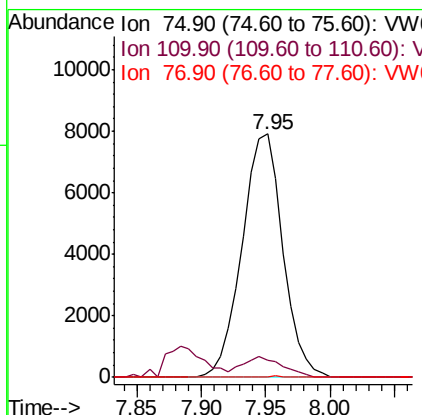
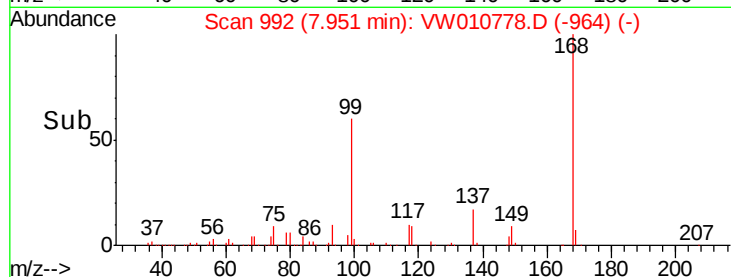
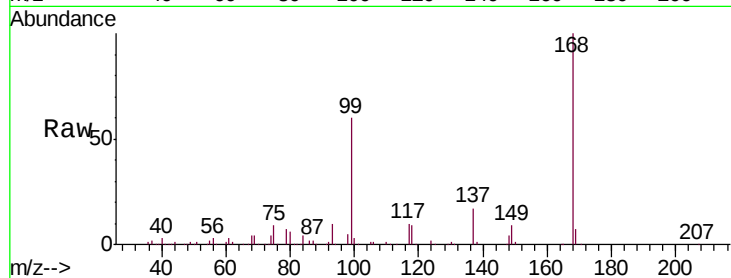




#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010778.D
 Acq: 12 Jun 2019 15:15

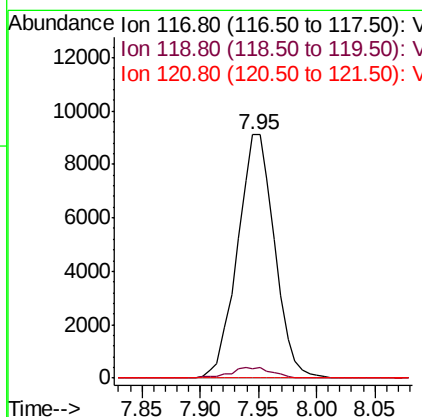
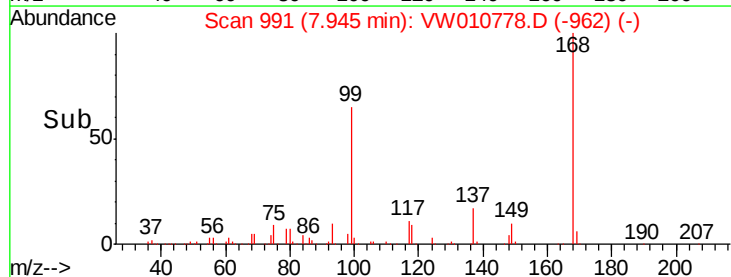
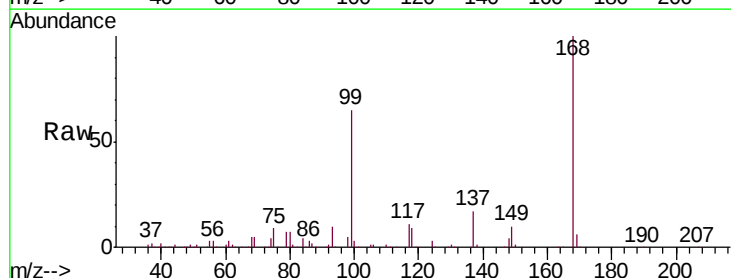
Instrument :
 MSVOA_W
 ClientSampleId :
 BAT-B03

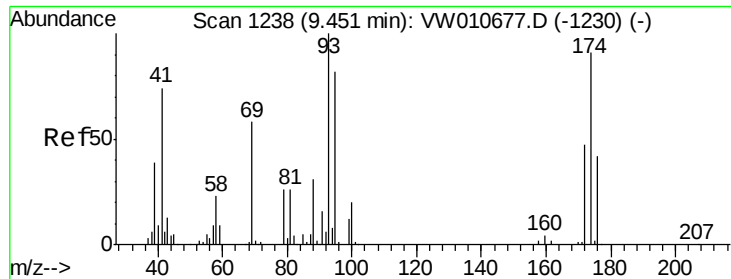
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.8	47.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.699 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010778.D
 Acq: 12 Jun 2019 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	74.2	111.4#
121	0.0	22.9	34.3#





#49

1,4-Dioxane

Concen: 1.037 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

Instrument :

MSVOA_W

ClientSampled :

BAT-B03

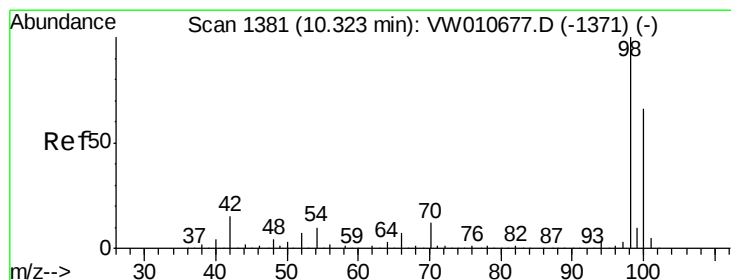
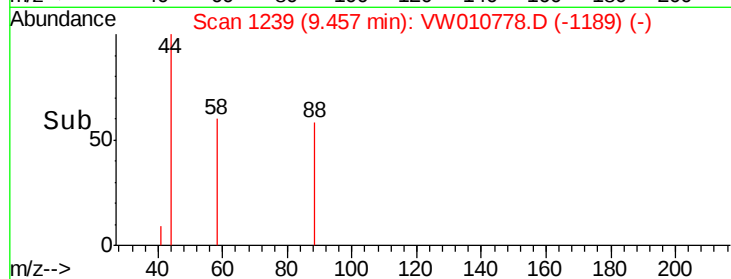
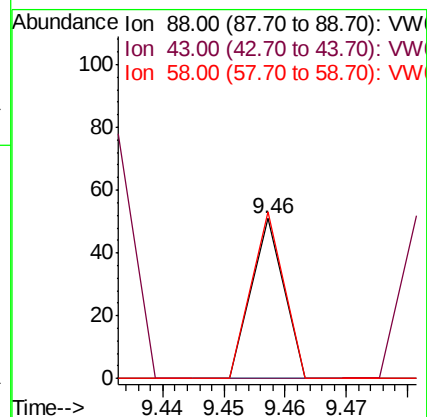
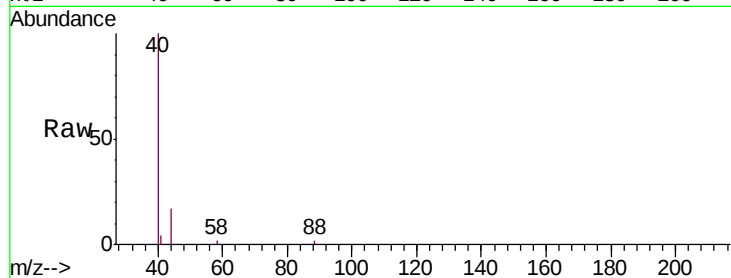
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.4#

58 100.0 69.0 103.4



#50

Toluene-d8

Concen: 55.574 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010778.D

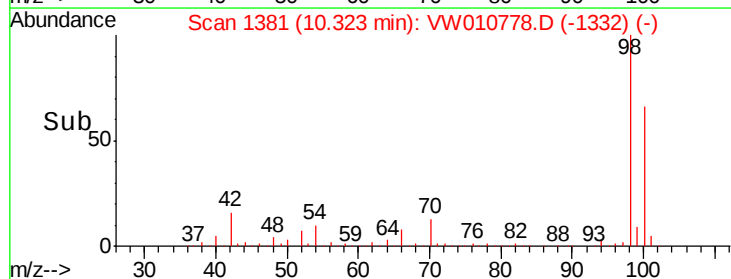
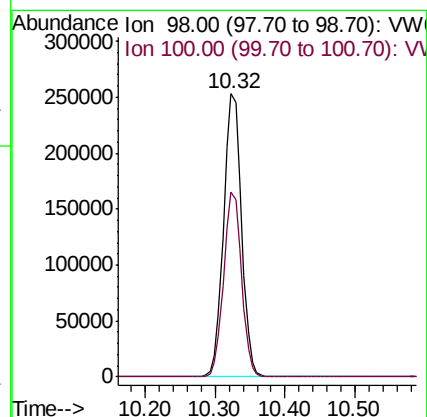
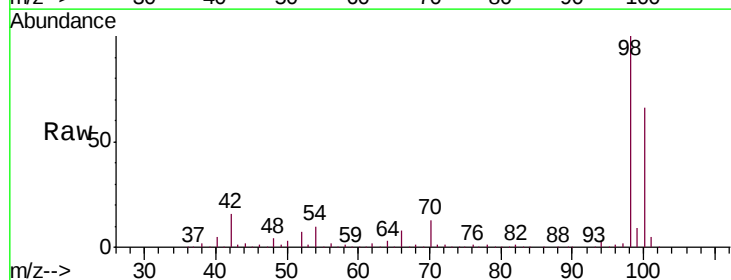
Acq: 12 Jun 2019 15:15

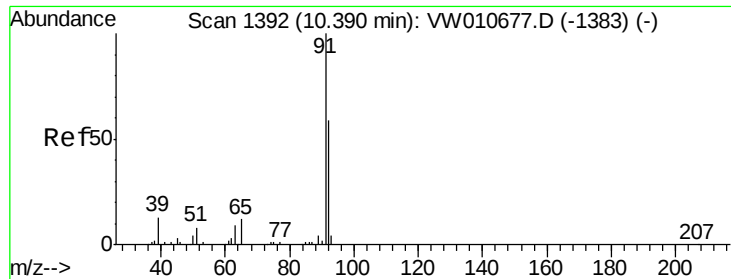
Tgt Ion: 98 Resp: 451646

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6





#52

Toluene

Concen: 7.145 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

Instrument :

MSVOA_W

ClientSampleId :

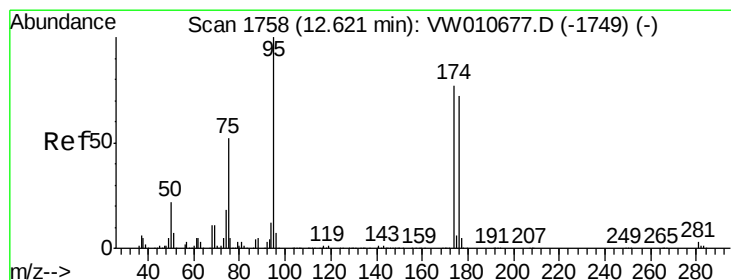
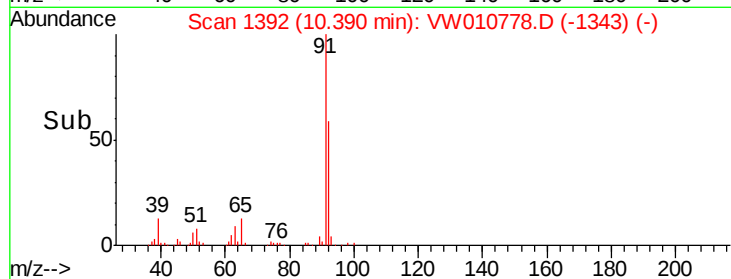
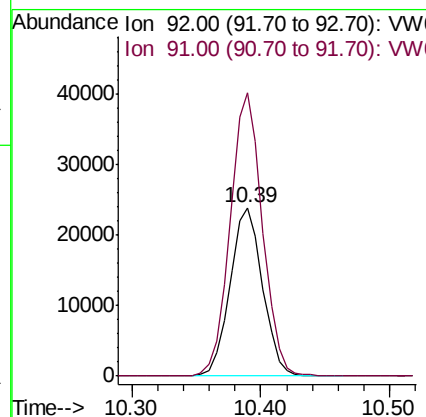
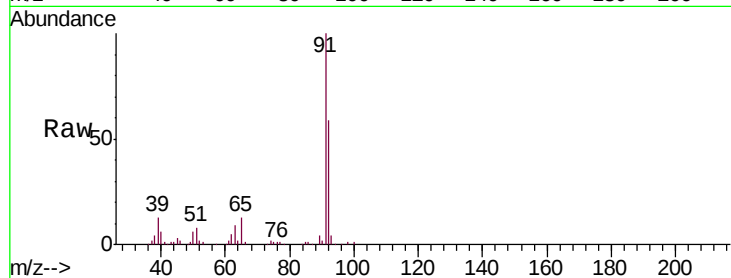
BAT-B03

Tgt Ion: 92 Resp: 41918

Ion Ratio Lower Upper

92 100

91 167.2 134.9 202.3



#62

4-Bromofluorobenzene

Concen: 52.099 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

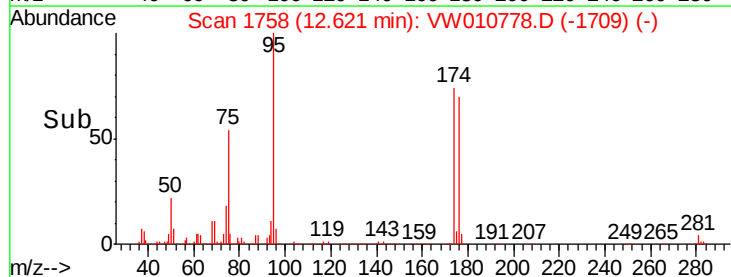
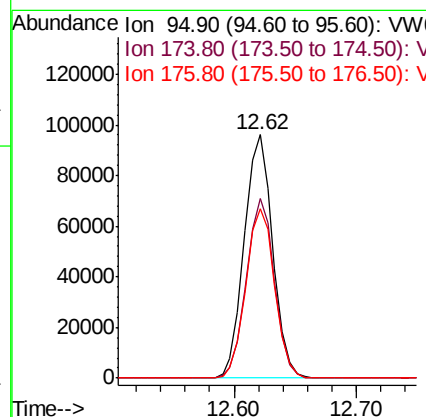
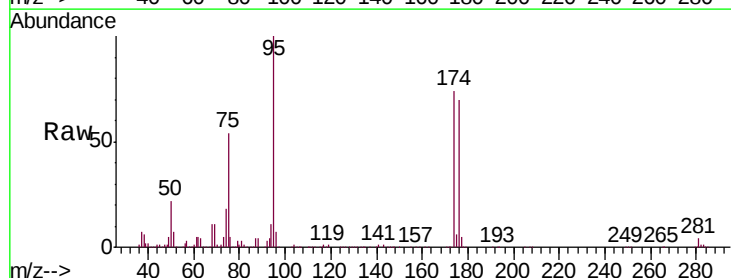
Tgt Ion: 95 Resp: 154071

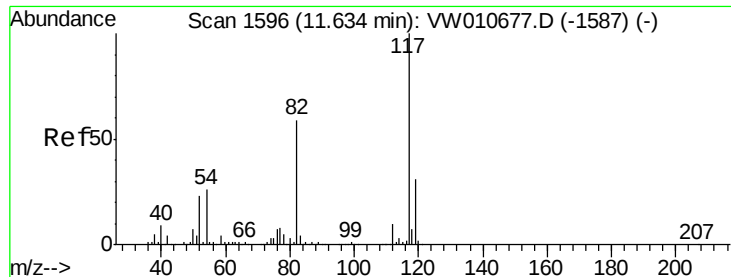
Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.4

176 70.8 0.0 144.8

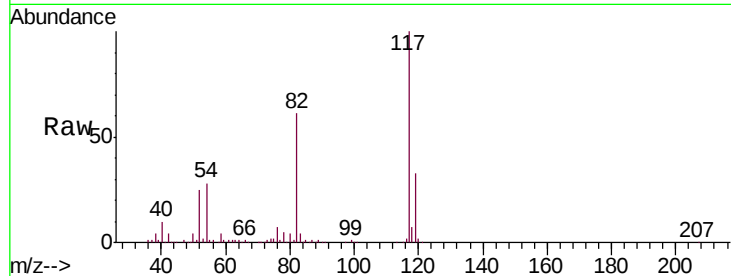




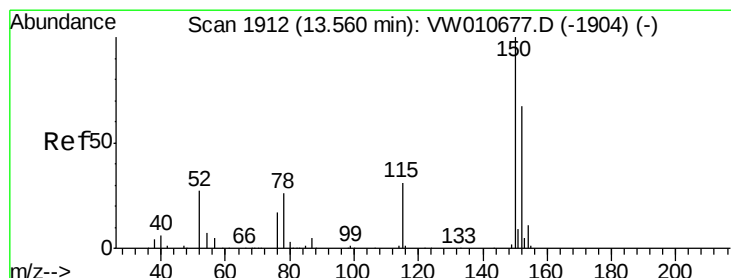
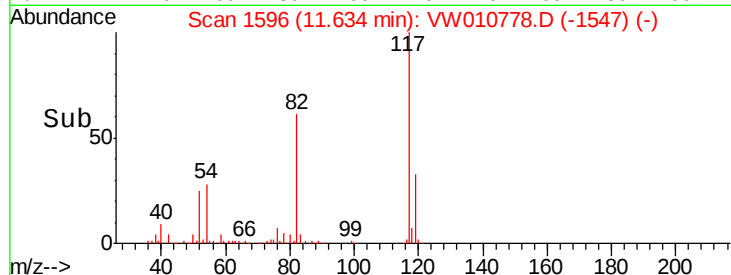
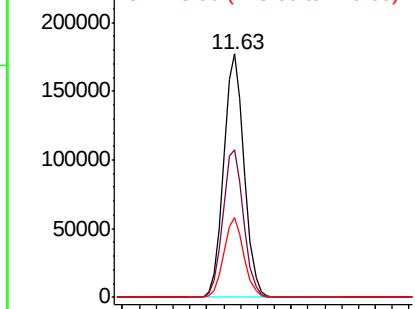
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010778.D
Acq: 12 Jun 2019 15:15

Instrument :
MSVOA_W
ClientSampleId :
BAT-B03

Tgt Ion:117 Resp: 296025
Ion Ratio Lower Upper
117 100
82 60.7 47.0 70.4
119 32.6 25.1 37.7

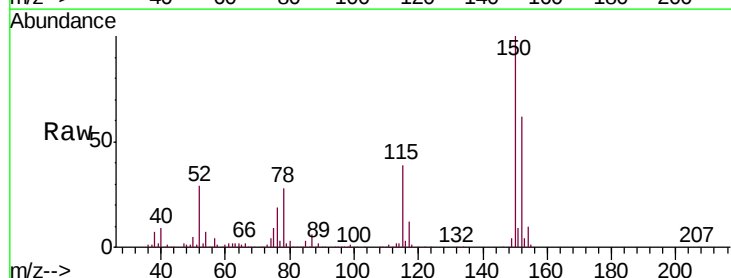


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

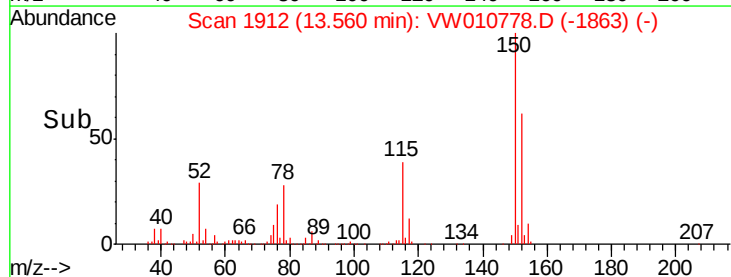
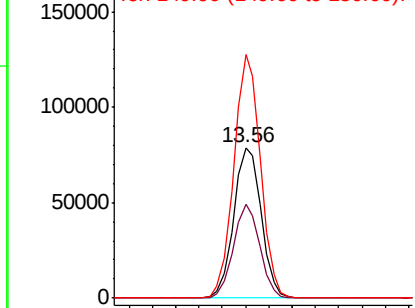


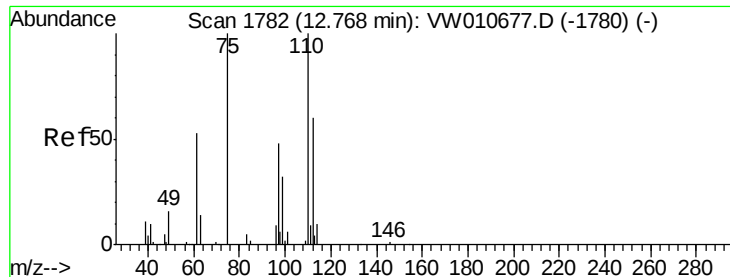
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010778.D
Acq: 12 Jun 2019 15:15

Tgt Ion:152 Resp: 129399
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 156.1 0.0 345.0



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: 61.799 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

Instrument :

MSVOA_W

ClientSampleId :

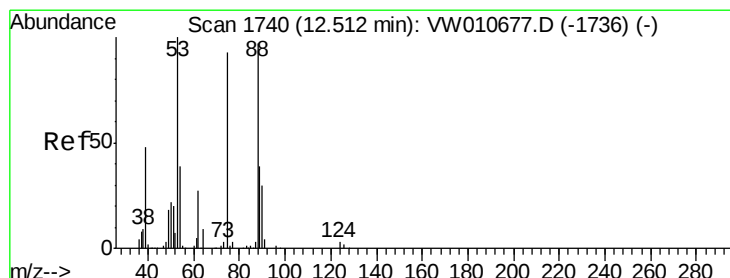
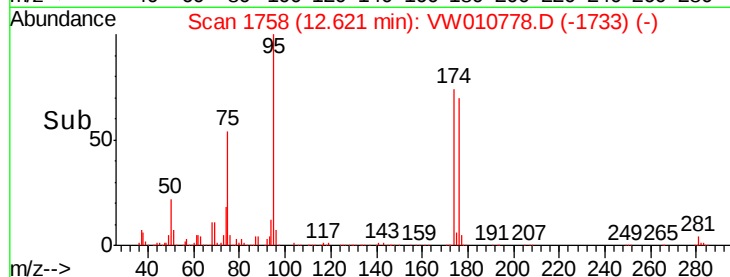
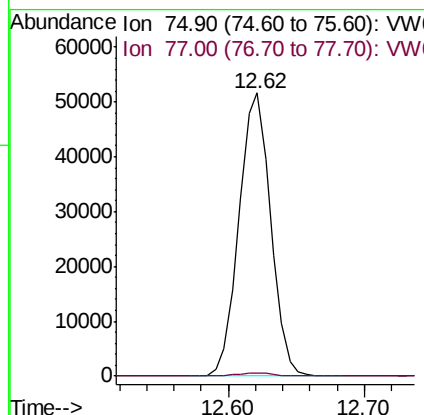
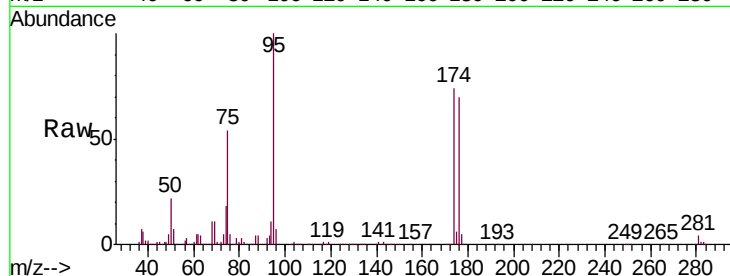
BAT-B03

Tgt Ion: 75 Resp: 83976

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.033 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010778.D

Acq: 12 Jun 2019 15:15

Tgt Ion: 75 Resp: 83976

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

