

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090618\
 Data File : VW005176.D
 Acq On : 06 Sep 2018 20:32
 Operator : SY/AP
 Sample : J4757-01
 Misc : 5.57G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-BR

Quant Time: Sep 07 01:06:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	388539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	645811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	627881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	277863	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	229880	71.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.74%	
35) Dibromofluoromethane	7.88	113	74	0.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.04%	
50) Toluene-d8	10.33	98	901900	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.63	95	284772	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

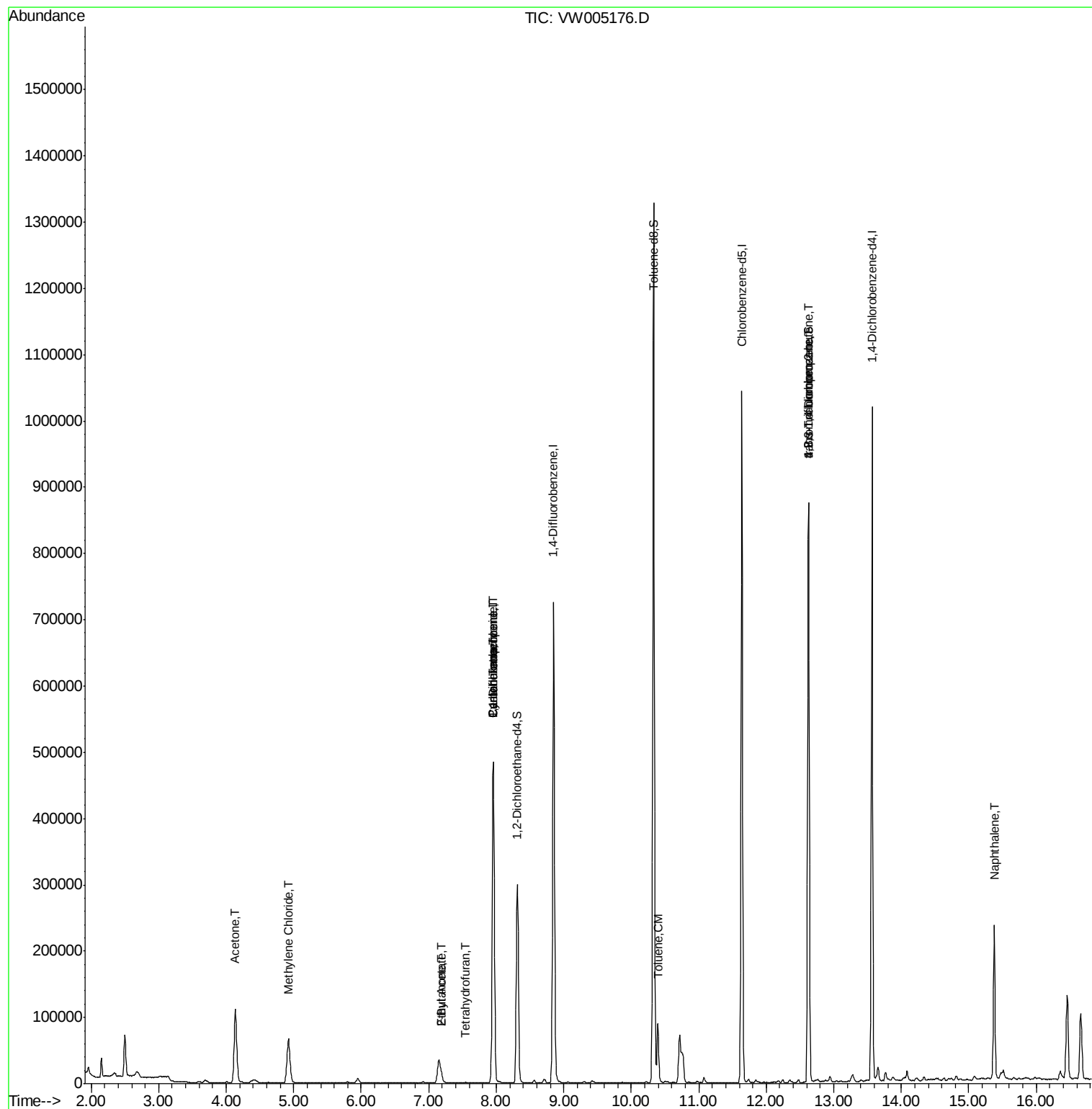
Target Compounds					Qvalue
5) Bromomethane	2.78	94	347	Below Cal	# 75
11) Tert butyl alcohol	5.18	59	411	Below Cal	# 94
16) Acetone	4.14	43	190511	294.942	ug/l 96
20) Methylene Chloride	4.92	84	53882	9.169	ug/l 94
25) 2-Butanone	7.19	43	20220	18.048	ug/l 90
29) Tetrahydrofuran	7.55	42	691	1.207	ug/l 96
31) Cyclohexane	7.95	56	6669	1.054	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	26574	4.321	ug/l # 47
37) Ethyl Acetate	7.19	43	20220	8.790	ug/l # 67
38) Carbon Tetrachloride	7.96	117	34297	5.864	ug/l # 16
52) Toluene	10.40	92	40111	3.144	ug/l 95
76) 1,2,3-Trichloropropane	12.63	75	131300	62.952	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.63	75	131300	151.519	ug/l # 15
95) Naphthalene	15.38	128	210892	23.355	ug/l 100

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

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QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA_W

ClientSampled :

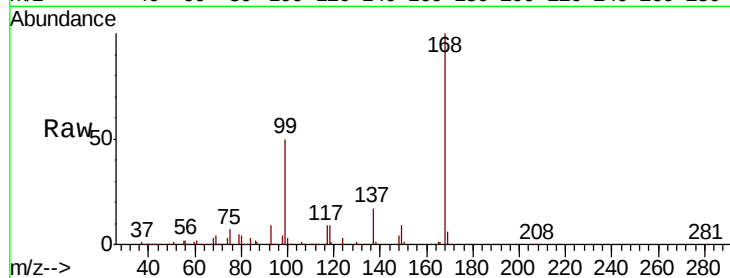
WC-BR

Tgt Ion:168 Resp: 388539

Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

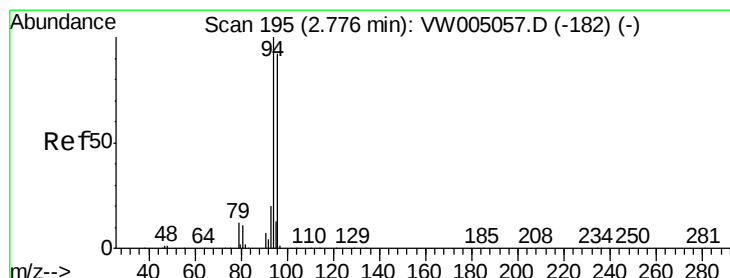
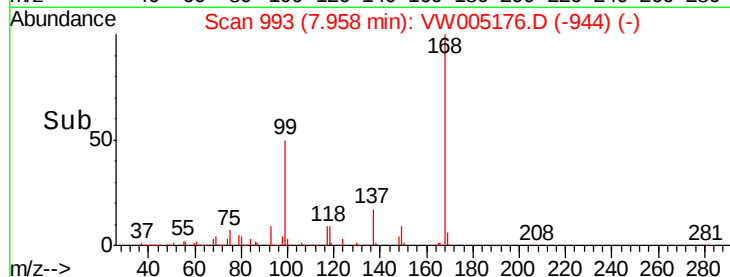
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005176.D

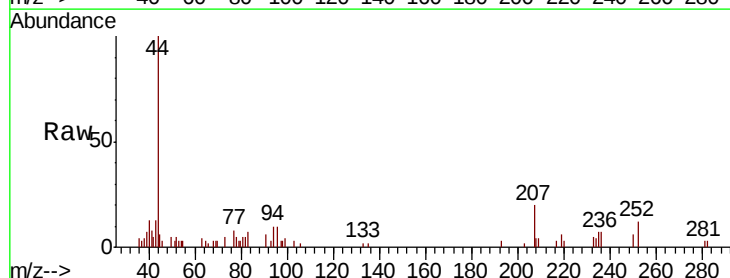
Acq: 06 Sep 2018 20:32

Tgt Ion: 94 Resp: 347

Ion Ratio Lower Upper

94 100

96 67.6 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

400

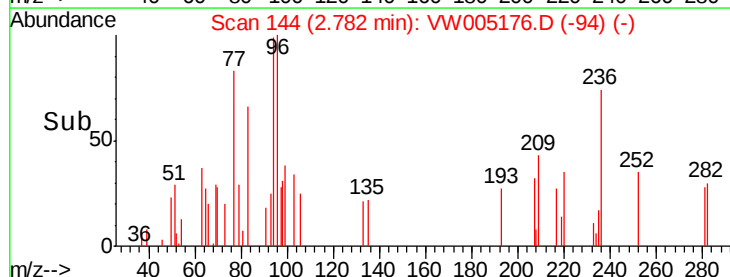
300

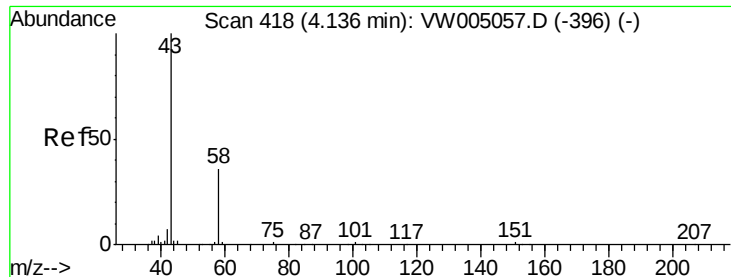
200

100

0

Time-->

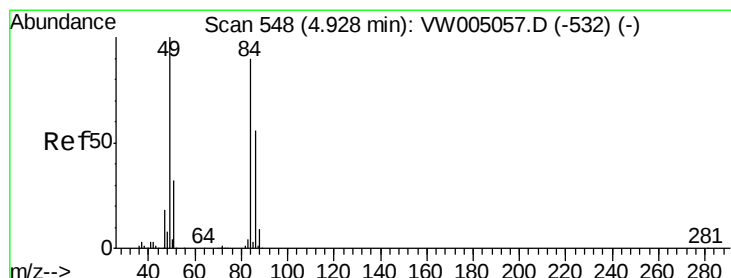
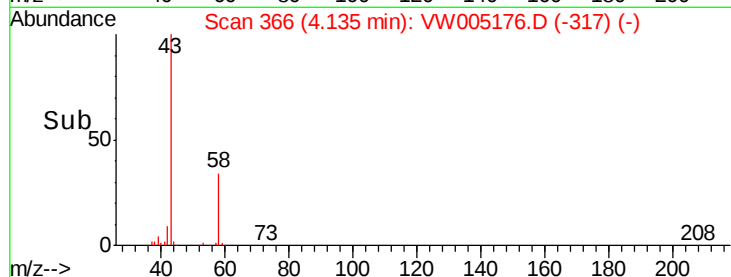
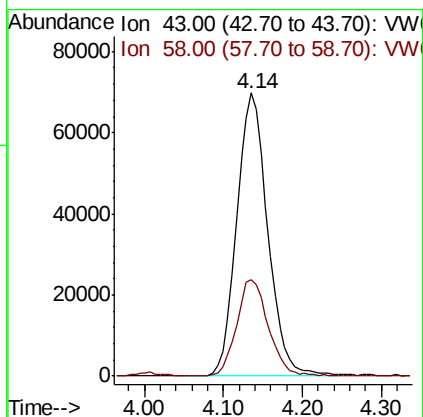
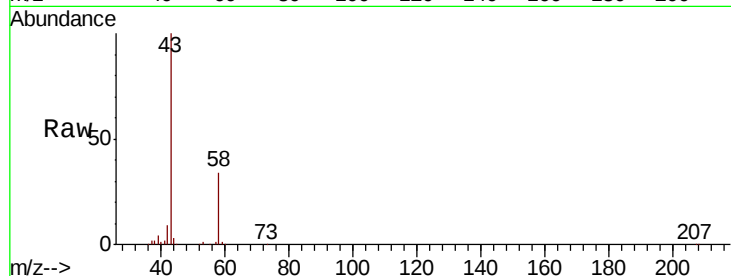




#16
Acetone
Concen: 294.942 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.00 min
Lab File: VW005176.D
Acq: 06 Sep 2018 20:32

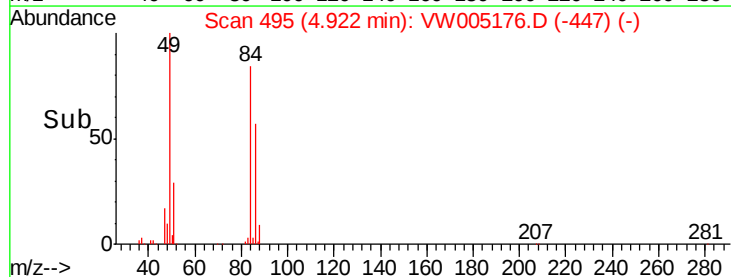
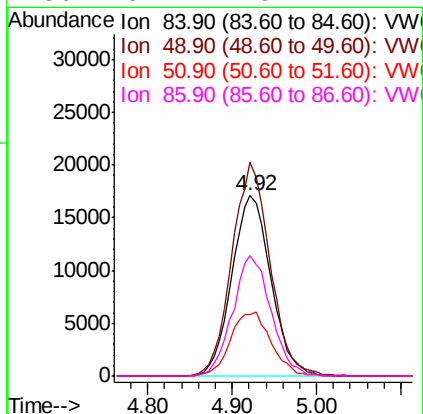
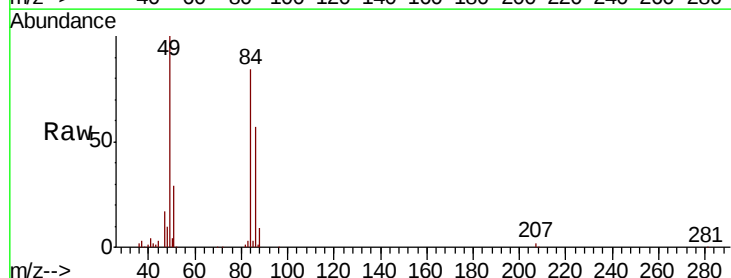
Instrument :
MSVOA_W
ClientSampleId :
WC-BR

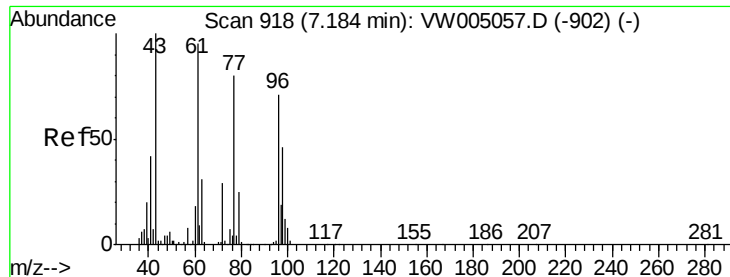
Tgt Ion: 43 Resp: 190511
Ion Ratio Lower Upper
43 100
58 34.1 29.0 43.6



#20
Methylene Chloride
Concen: 9.169 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005176.D
Acq: 06 Sep 2018 20:32

Tgt Ion: 84 Resp: 53882
Ion Ratio Lower Upper
84 100
49 118.5 88.7 133.1
51 33.8 28.6 42.8
86 67.1 49.4 74.2





#25

2-Butanone

Concen: 18.048 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA_W

ClientSampleId :

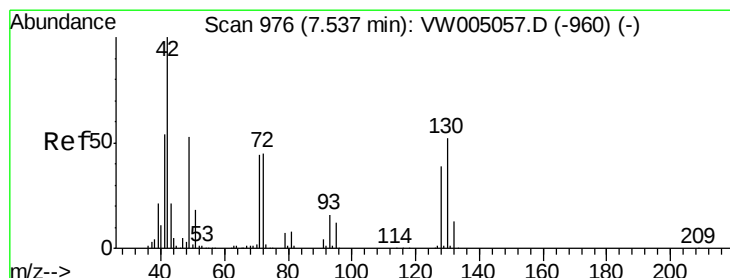
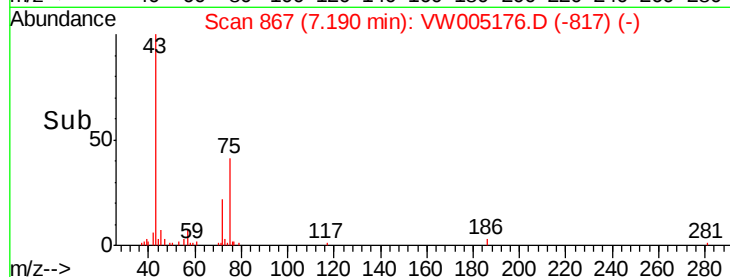
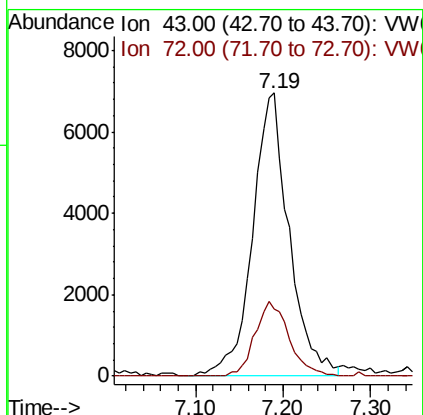
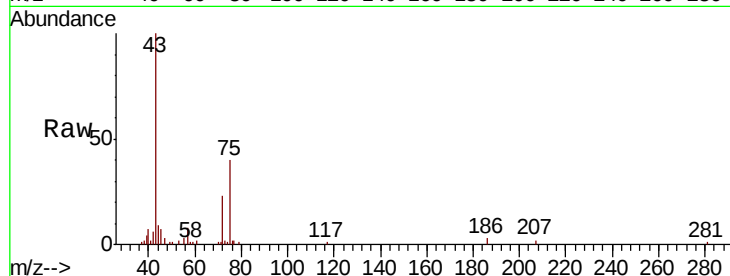
WC-BR

Tgt Ion: 43 Resp: 20220

Ion Ratio Lower Upper

43 100

72 23.5 23.1 34.7



#29

Tetrahydrofuran

Concen: 1.207 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

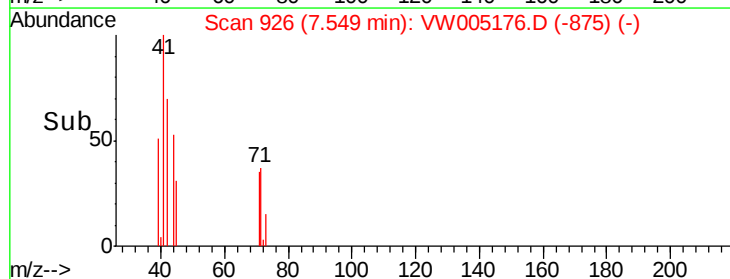
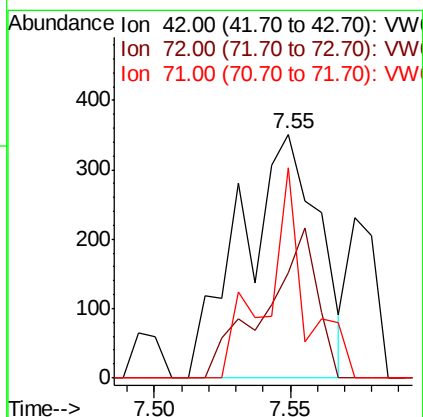
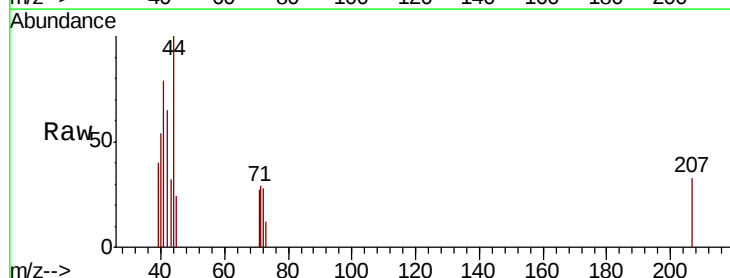
Tgt Ion: 42 Resp: 691

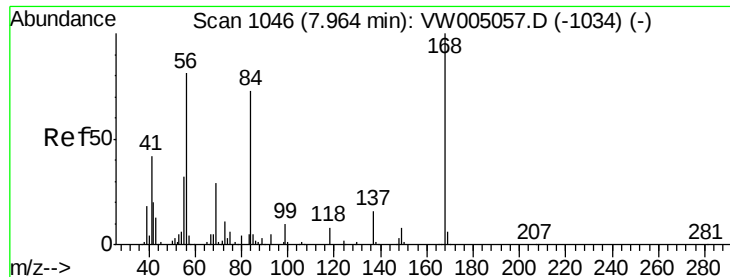
Ion Ratio Lower Upper

42 100

72 41.2 37.0 55.4

71 43.1 35.0 52.6

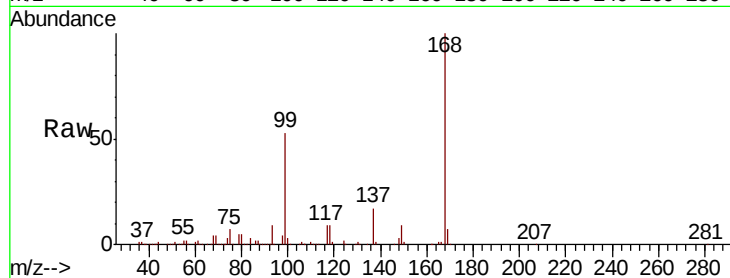




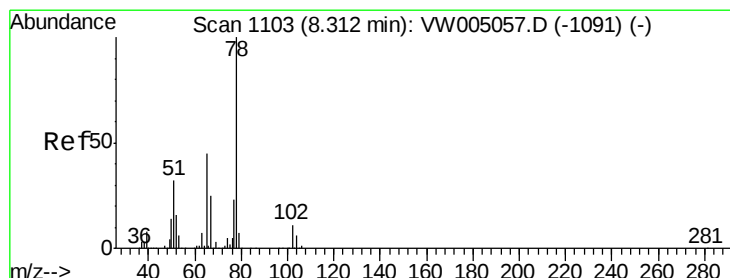
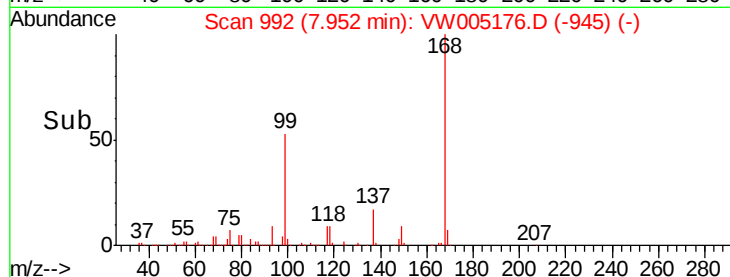
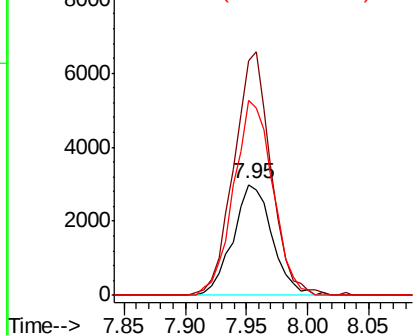
#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005176.D
Acq: 06 Sep 2018 20:32

Instrument :
MSVOA_W
ClientSampled :
WC-BR

Tgt Ion: 56 Resp: 6669
Ion Ratio Lower Upper
56 100
69 212.2 28.2 42.2#
84 176.0 71.8 107.8#

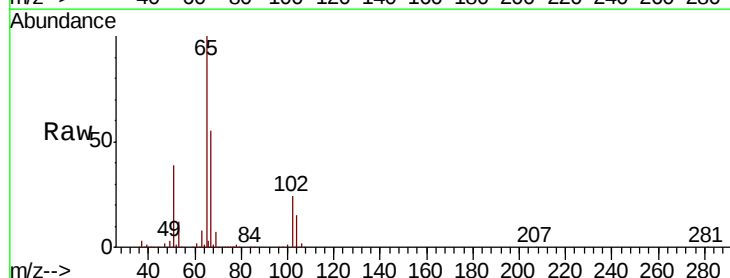


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

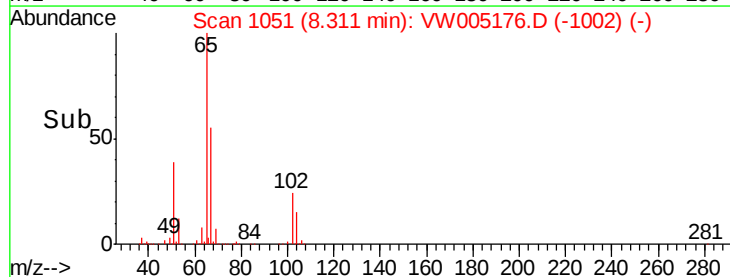
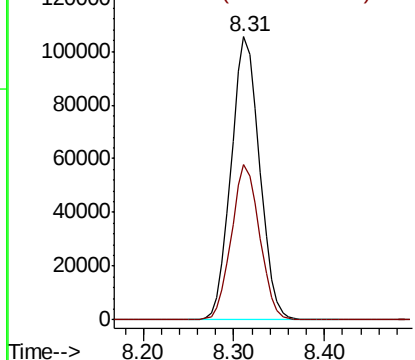


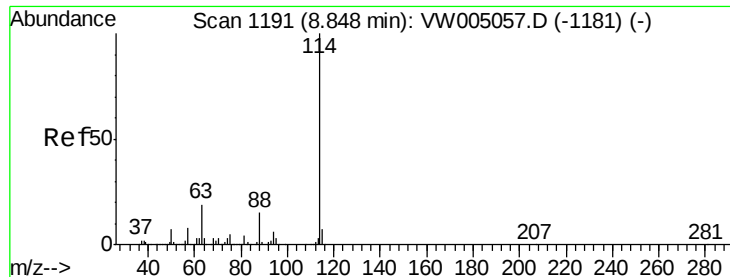
#33
1,2-Dichloroethane-d4
Concen: 71.373 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005176.D
Acq: 06 Sep 2018 20:32

Tgt Ion: 65 Resp: 229880
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.4



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: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA_W

ClientSampleId :

WC-BR

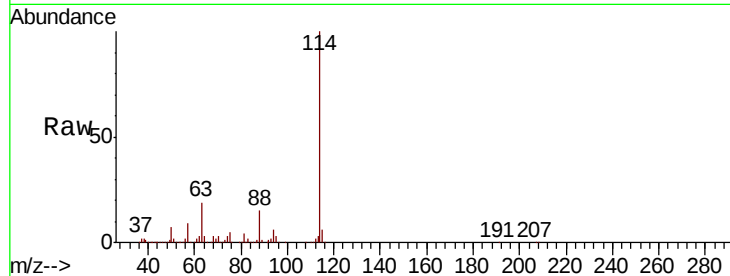
Tgt Ion:114 Resp: 645811

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

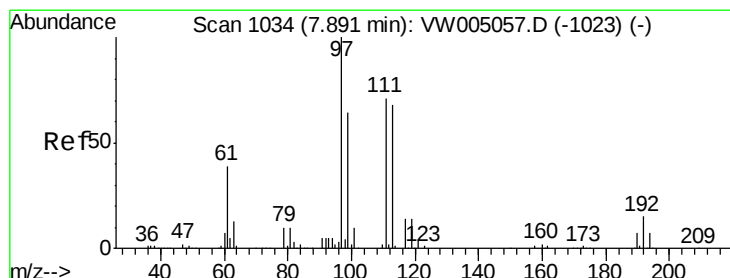
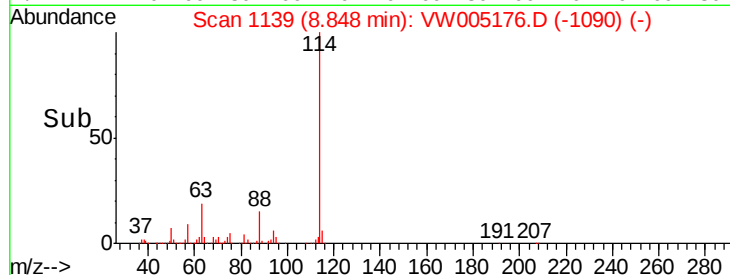
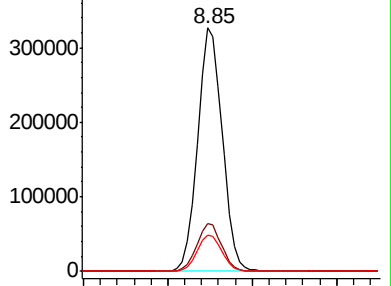
88 14.9 0.0 30.2



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: 0.020 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

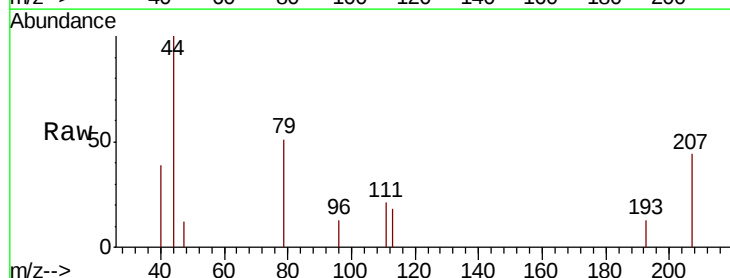
Tgt Ion:113 Resp: 74

Ion Ratio Lower Upper

113 100

111 127.0 82.2 123.2#

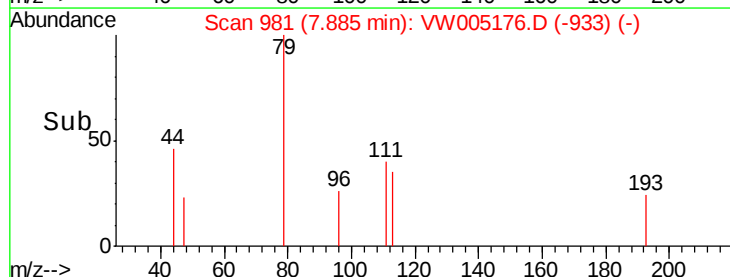
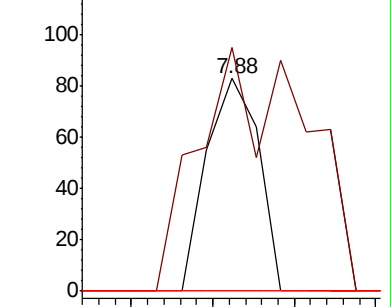
192 0.0 18.1 27.1#

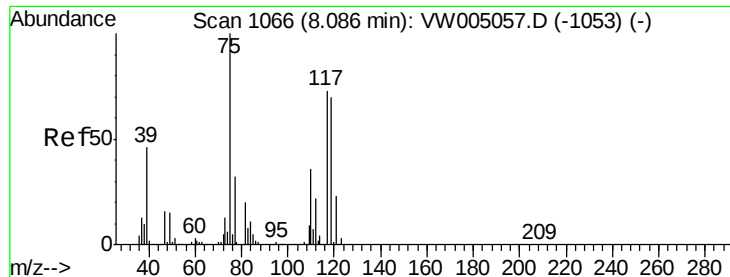


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.321 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

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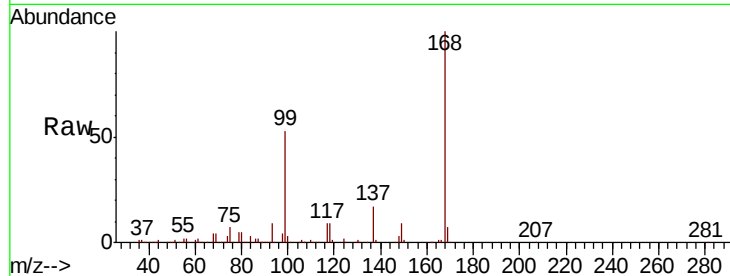
Tgt Ion: 75 Resp: 26574

Ion Ratio Lower Upper

75 100

110 8.6 18.9 56.7#

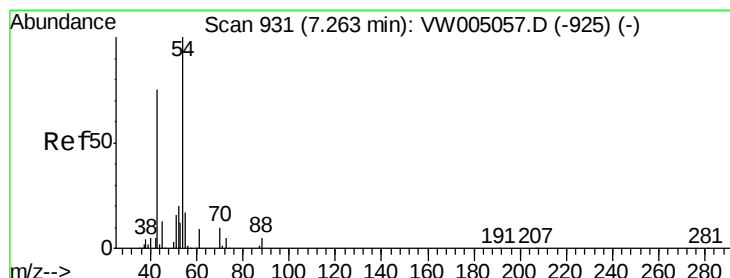
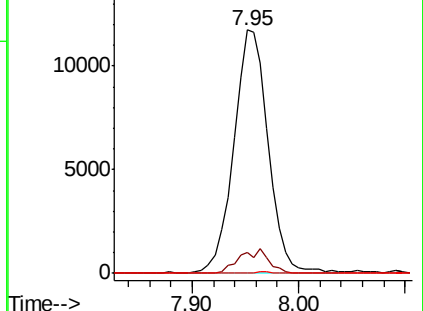
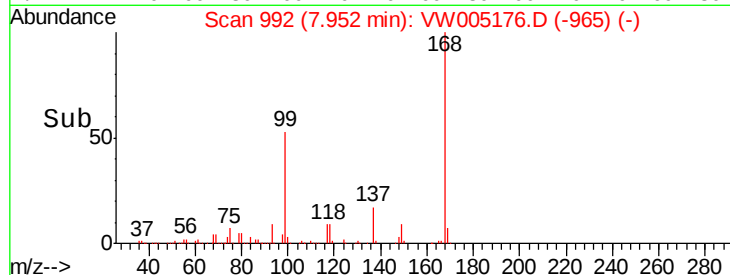
77 0.0 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 8.790 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

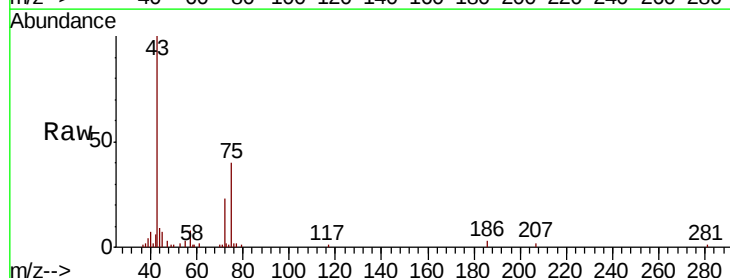
Tgt Ion: 43 Resp: 20220

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

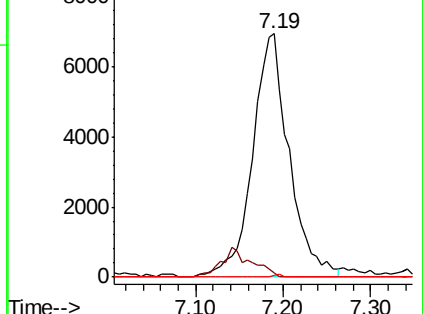
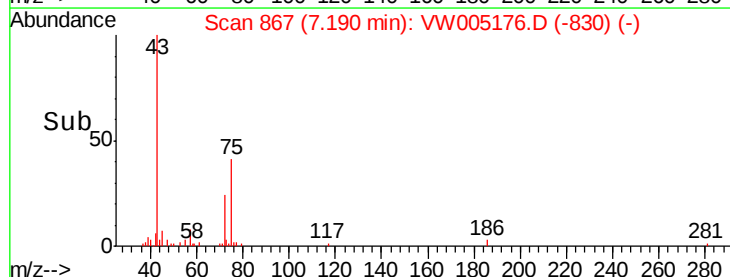
70 0.2 9.4 14.2#

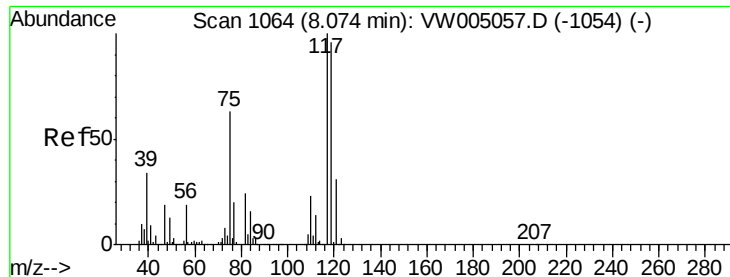


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 5.864 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

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WC-BR

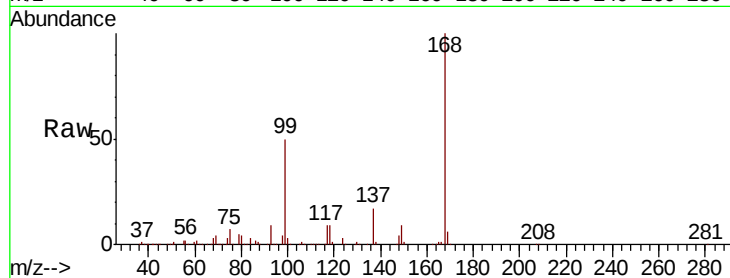
Tgt Ion:117 Resp: 34297

Ion Ratio Lower Upper

117 100

119 5.7 76.6 115.0#

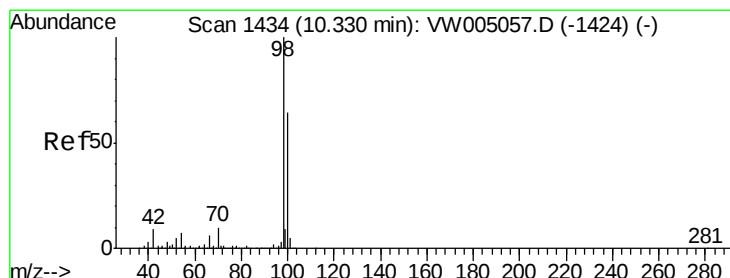
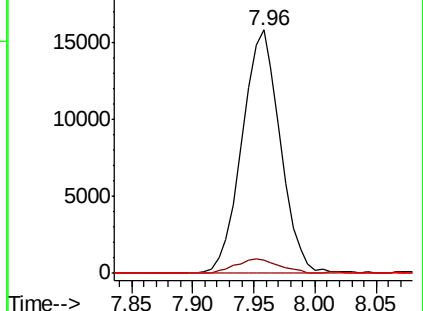
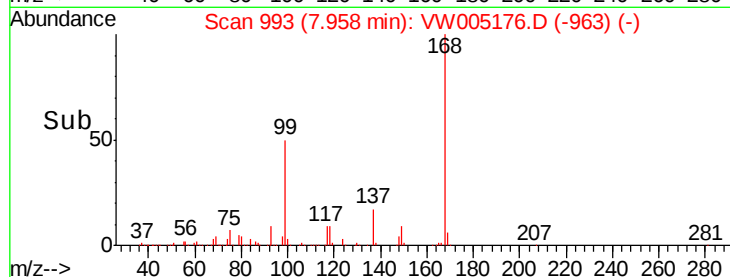
121 0.0 24.8 37.2#



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: 52.447 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005176.D

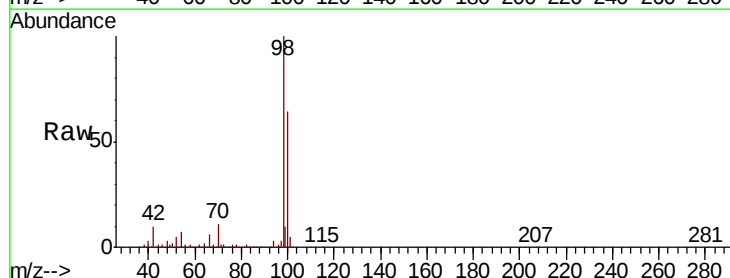
Acq: 06 Sep 2018 20:32

Tgt Ion: 98 Resp: 901900

Ion Ratio Lower Upper

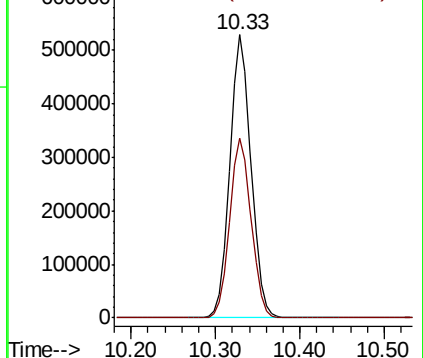
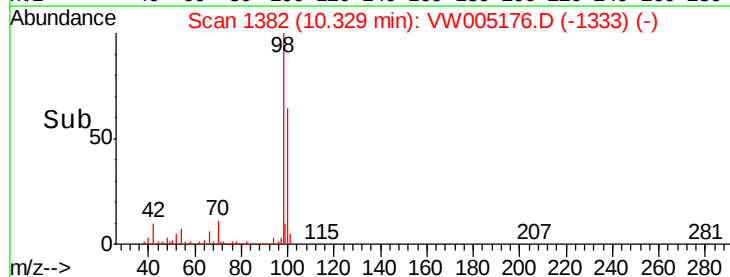
98 100

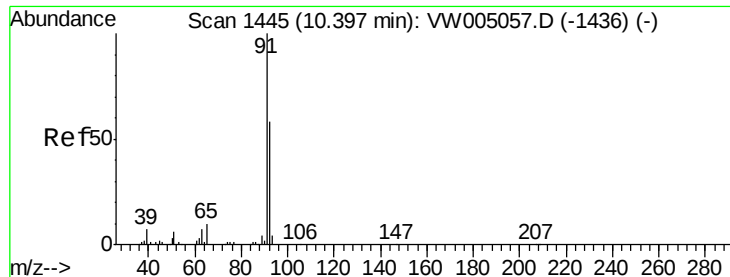
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.144 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA_W

ClientSampleId :

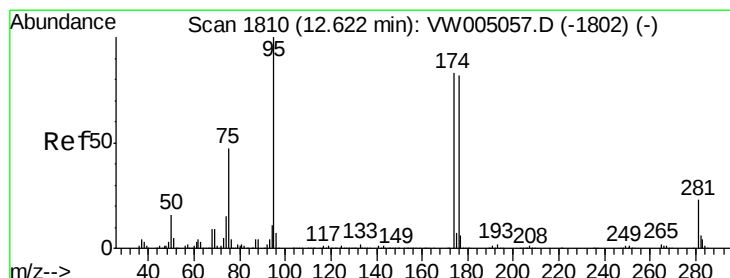
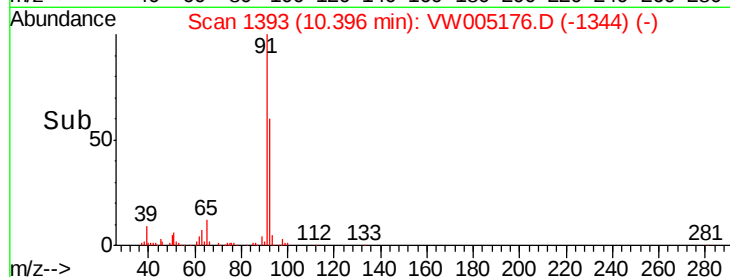
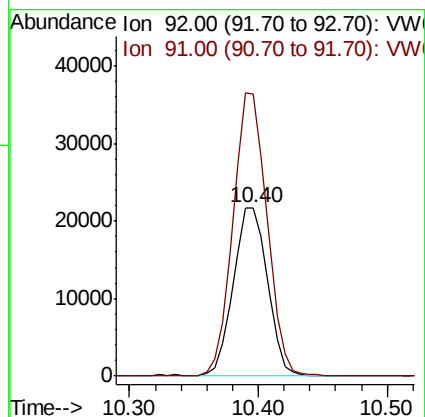
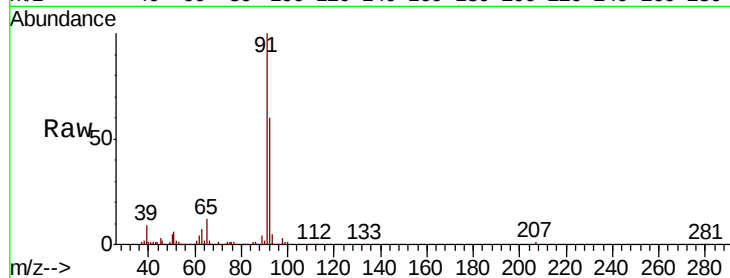
WC-BR

Tgt Ion: 92 Resp: 40111

Ion Ratio Lower Upper

92 100

91 167.7 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 46.964 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

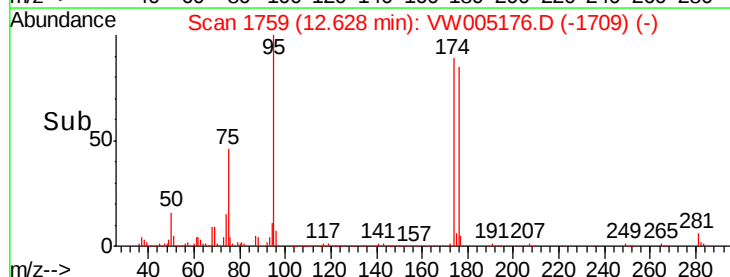
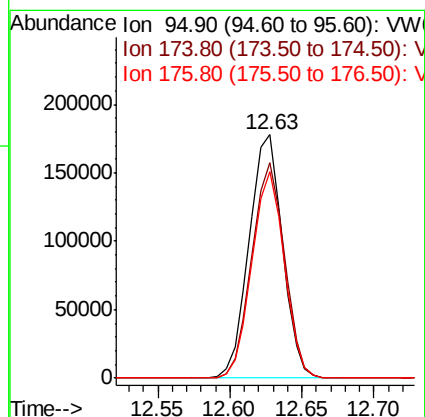
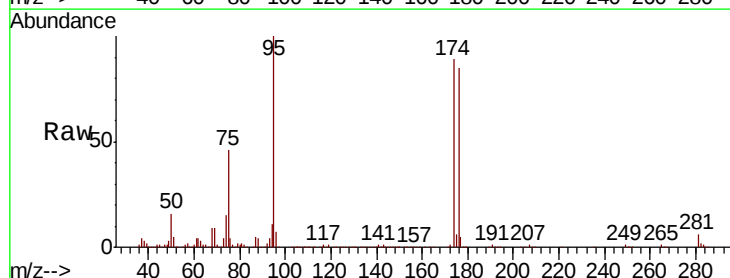
Tgt Ion: 95 Resp: 284772

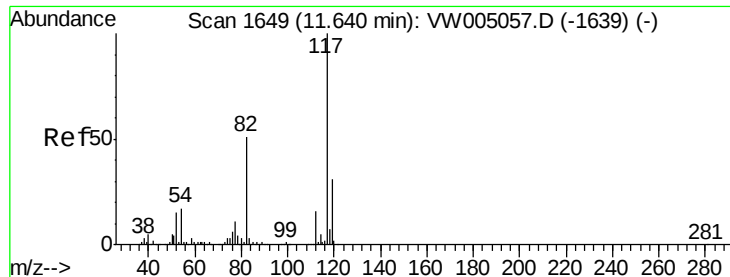
Ion Ratio Lower Upper

95 100

174 86.9 0.0 173.4

176 82.3 0.0 167.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA_W

ClientSampleId :

WC-BR

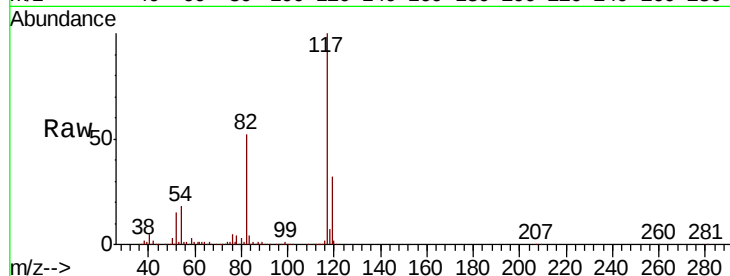
Tgt Ion:117 Resp: 627881

Ion Ratio Lower Upper

117 100

82 52.1 40.9 61.3

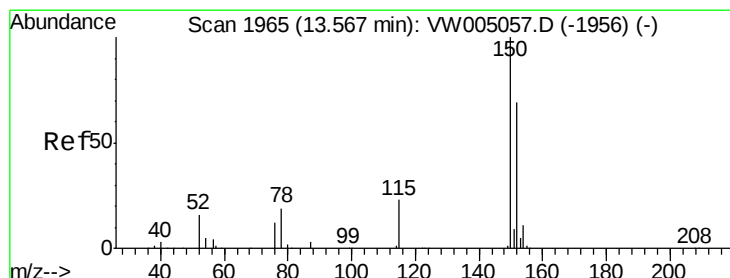
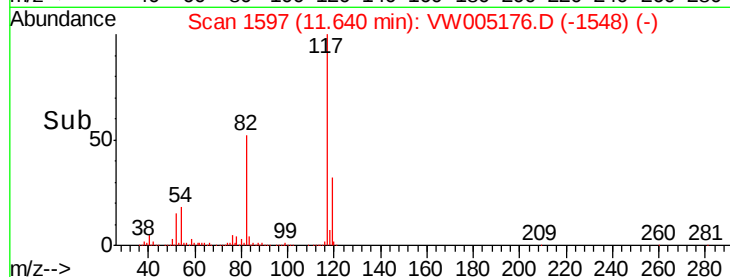
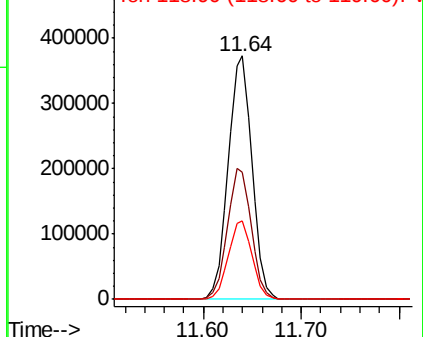
119 32.3 24.9 37.3



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: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

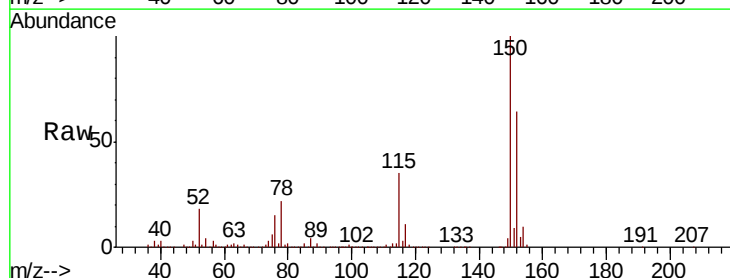
Tgt Ion:152 Resp: 277863

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

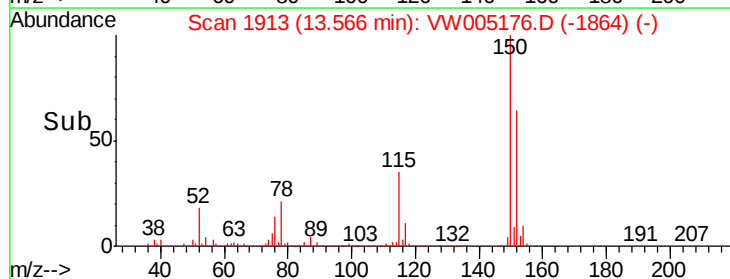
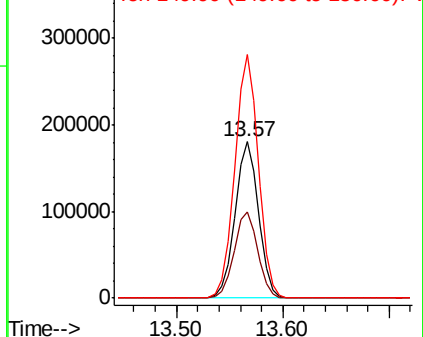
150 156.5 0.0 351.4

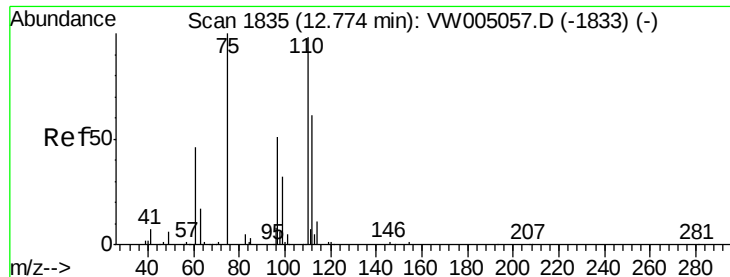


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.952 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

Instrument :

MSVOA_W

ClientSampleId :

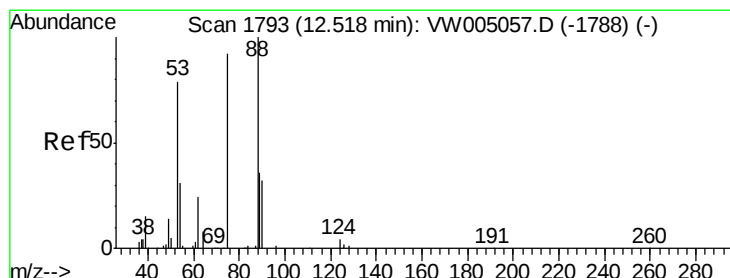
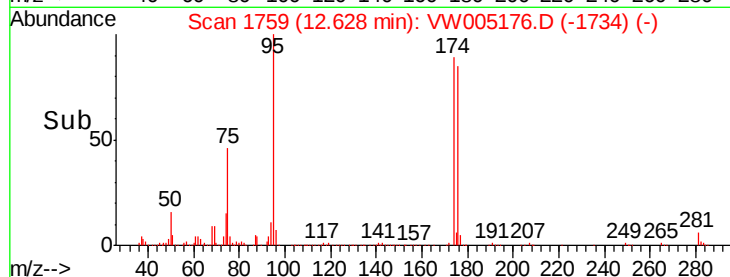
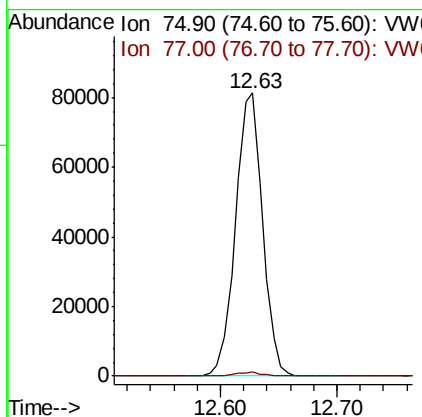
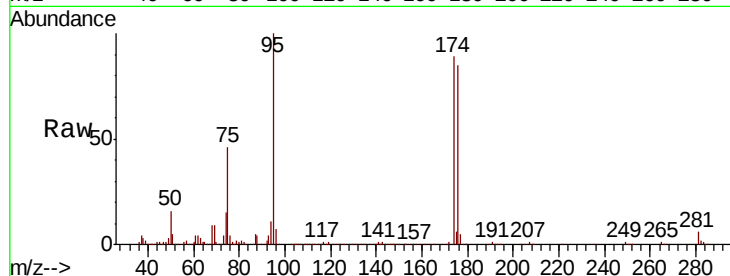
WC-BR

Tgt Ion: 75 Resp: 131300

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.519 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005176.D

Acq: 06 Sep 2018 20:32

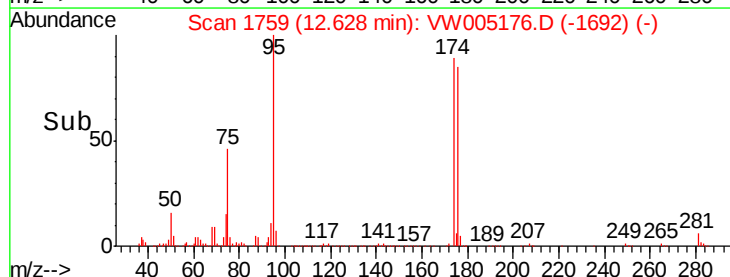
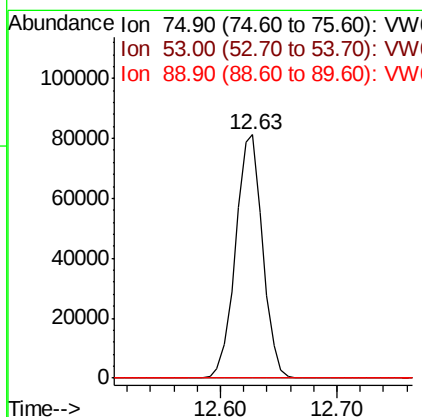
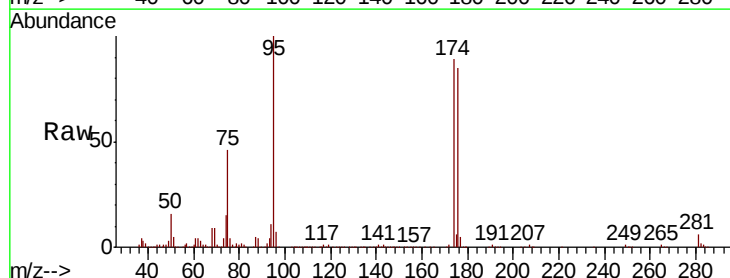
Tgt Ion: 75 Resp: 131300

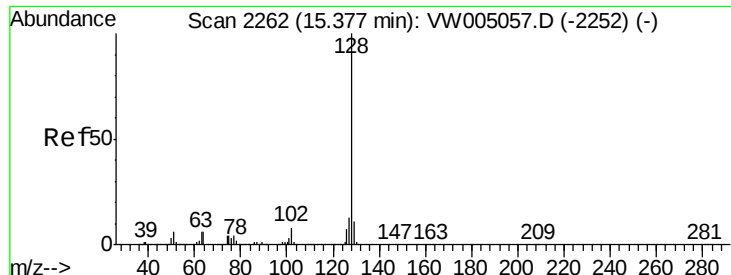
Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

89 0.1 36.0 54.0#

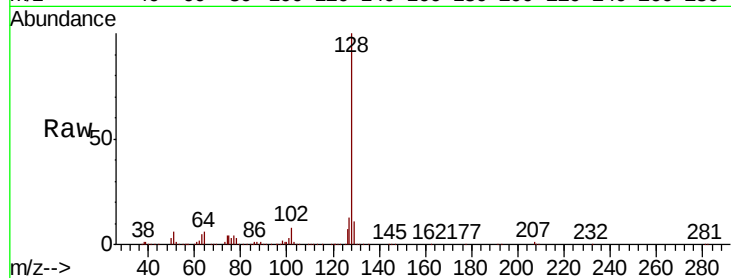




#95
Naphthalene
Concen: 23.355 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005176.D
Acq: 06 Sep 2018 20:32

Instrument :
MSVOA_W
ClientSampleId :
WC-BR

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

