

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007218.D
 Acq On : 05 Dec 2018 06:33
 Operator : SY/AP
 Sample : J6210-04
 Misc : 6.58G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3(9)

Quant Time: Dec 05 07:27:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	160161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	68445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43836	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.89	113	41502	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
50) Toluene-d8	10.33	98	168243	41.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.30%	
62) 4-Bromofluorobenzene	12.62	95	64111	42.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.10%	

Target Compounds

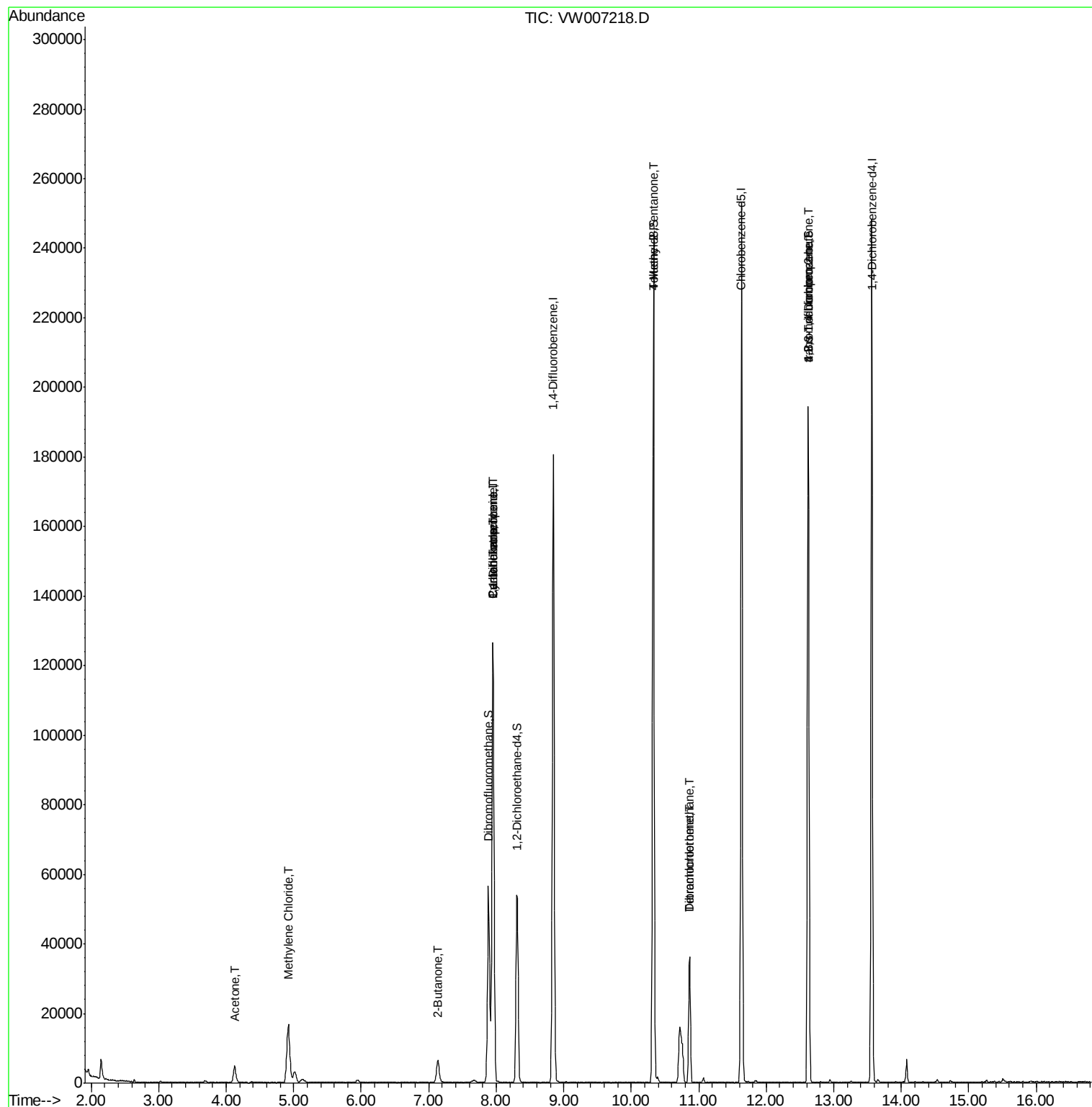
					Qvalue
11) Tert butyl alcohol	5.14	59	1371	Below Cal	# 75
16) Acetone	4.12	43	8526	40.335	ug/l 95
20) Methylene Chloride	4.92	84	13298	8.124	ug/l 97
25) 2-Butanone	7.15	43	321	1.310	ug/l # 46
31) Cyclohexane	7.95	56	1836	1.036	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	7292	4.679	ug/l # 49
38) Carbon Tetrachloride	7.95	117	9709	6.104	ug/l # 18
51) 4-Methyl-2-Pentanone	10.32	43	721	1.336	ug/l # 1
60) Dibromochloromethane	10.87	129	7350	8.136	ug/l # 10
64) Tetrachloroethene	10.87	164	8272	7.902	ug/l 97
76) 1,2,3-Trichloropropane	12.62	75	30928	30.069	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	30928	125.781	ug/l # 13

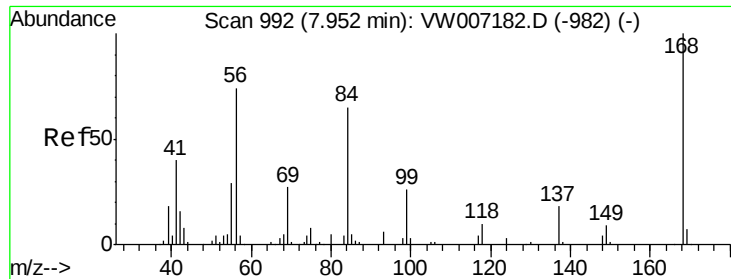
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120418\
Data File : VW007218.D
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WC-3(9)

Quant Time: Dec 05 07:27:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

Instrument :

MSVOA_W

ClientSampleId :

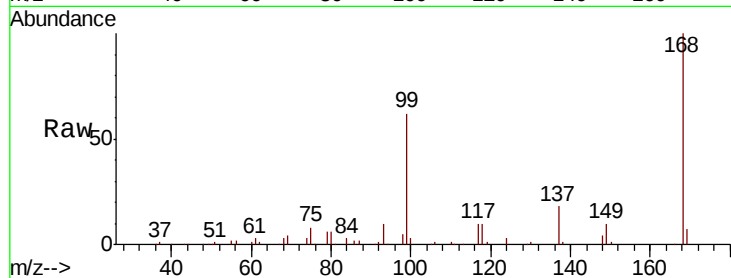
WC-3(9)

Tot Ion:168 Resp: 95904

Ion Ratio Lower Upper

168 100

99 61.7 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

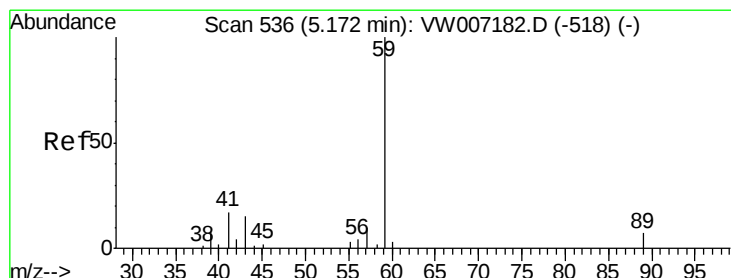
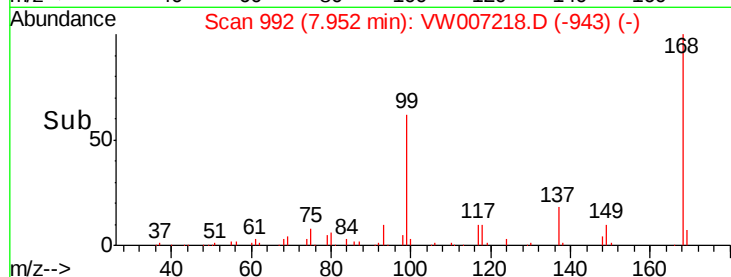
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW007218.D

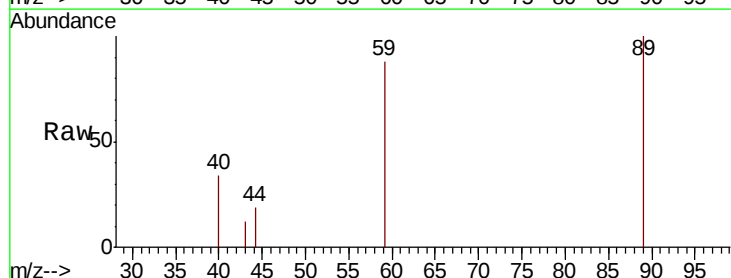
Acq: 05 Dec 2018 06:33

Tgt Ion: 59 Resp: 1371

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

400

300

200

100

0

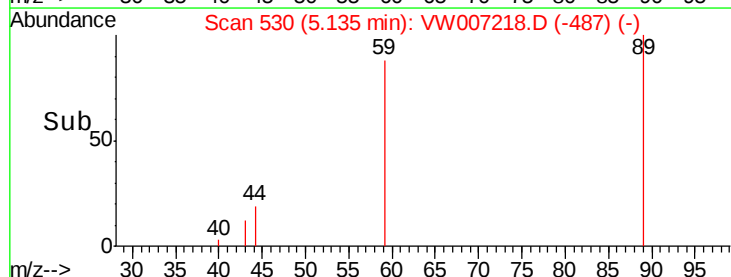
Time-->

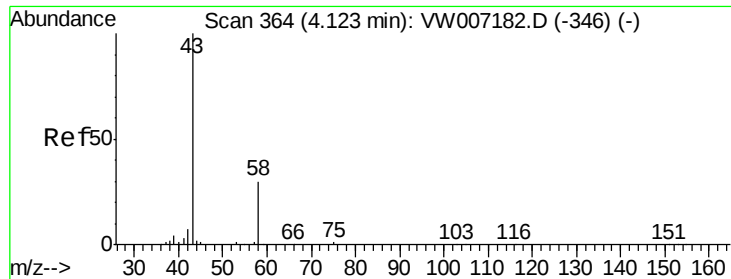
5.05

5.10

5.15

5.20





#16

Acetone

Concen: 40.335 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

Instrument :

MSVOA_W

ClientSampleId :

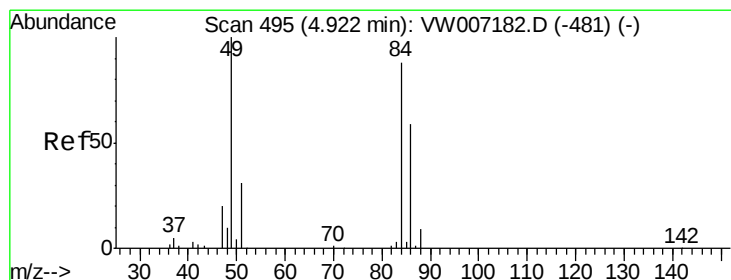
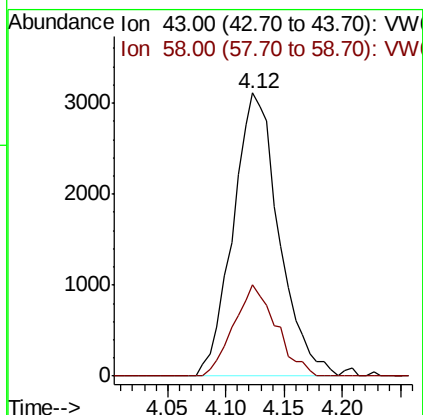
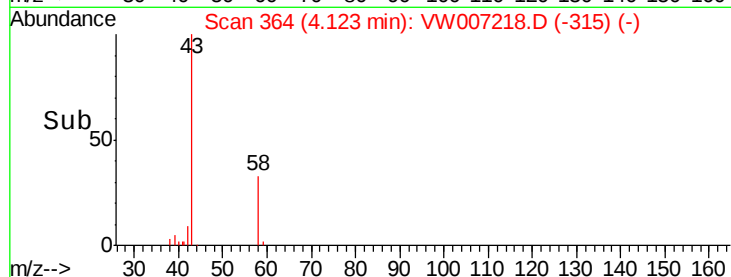
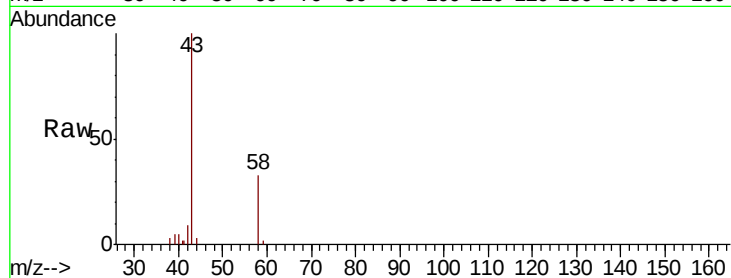
WC-3(9)

Tot Ion: 43 Resp: 8526

Ion Ratio Lower Upper

43 100

58 32.5 23.8 35.8



#20

Methylene Chloride

Concen: 8.124 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

Tgt Ion: 84 Resp: 13298

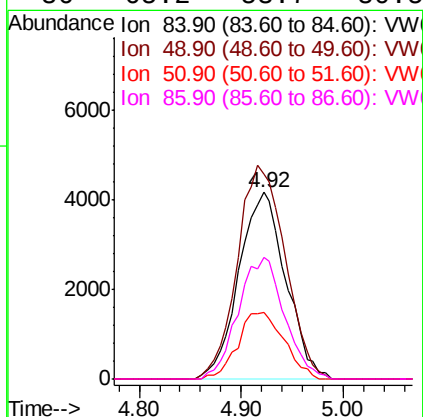
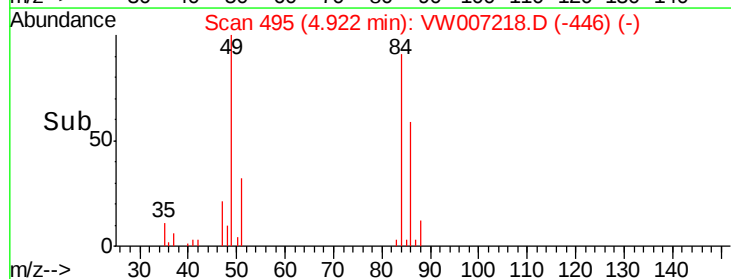
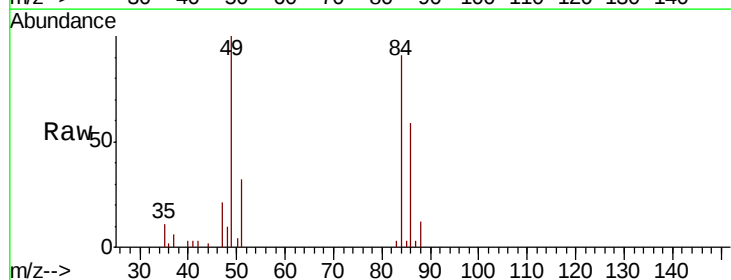
Ion Ratio Lower Upper

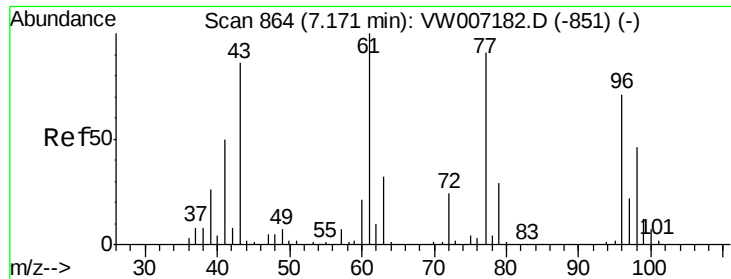
84 100

49 110.0 90.6 135.8

51 35.6 27.6 41.4

86 65.2 53.7 80.5

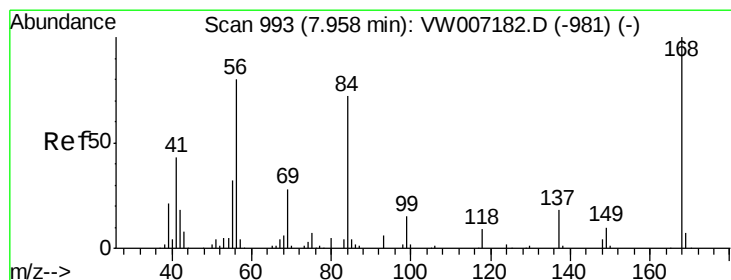
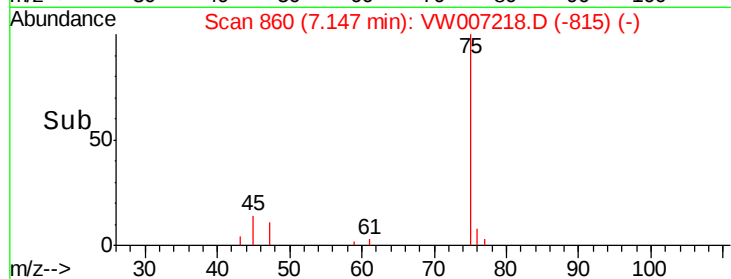
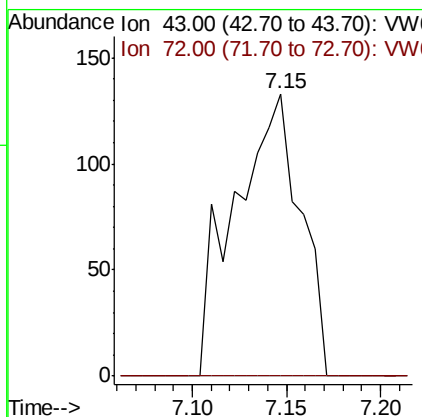
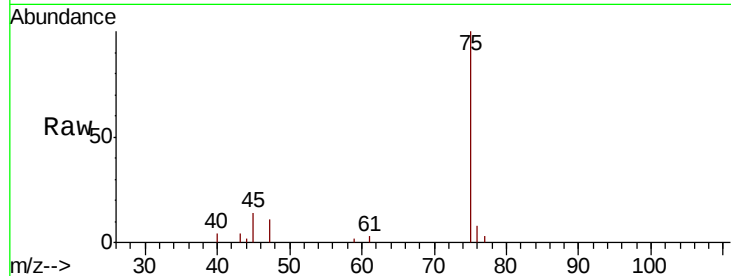




#25
2-Butanone
Concen: 1.310 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW007218.D
Acq: 05 Dec 2018 06:33

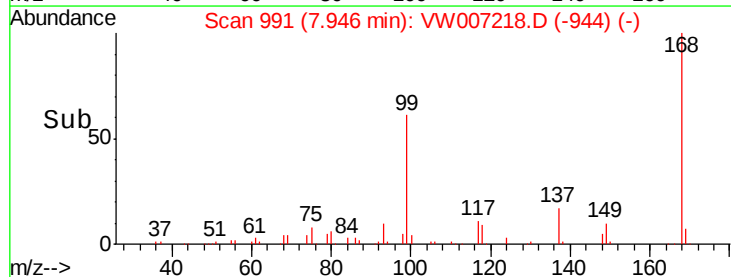
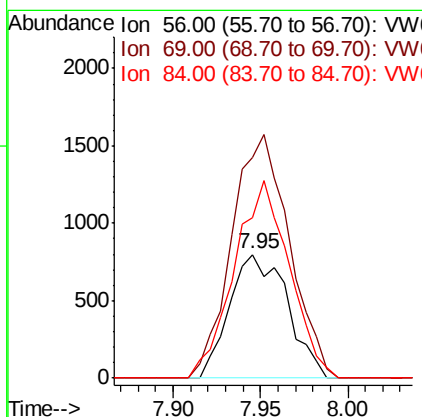
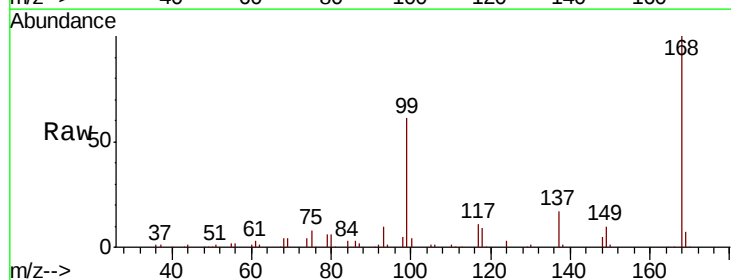
Instrument :
MSVOA_W
ClientSampleId :
WC-3(9)

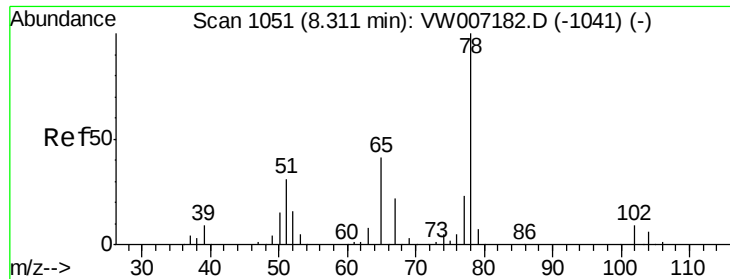
Tot Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007218.D
Acq: 05 Dec 2018 06:33

Tgt Ion: 56 Resp: 1836
Ion Ratio Lower Upper
56 100
69 178.6 28.2 42.2#
84 130.2 72.1 108.1#

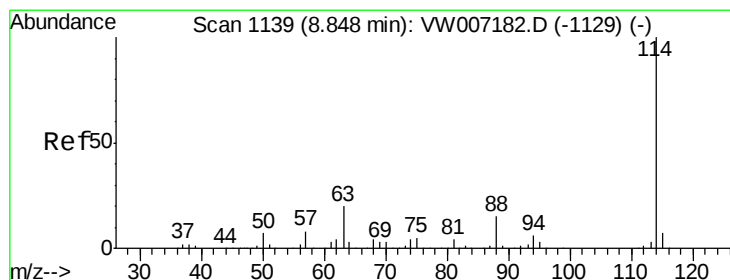
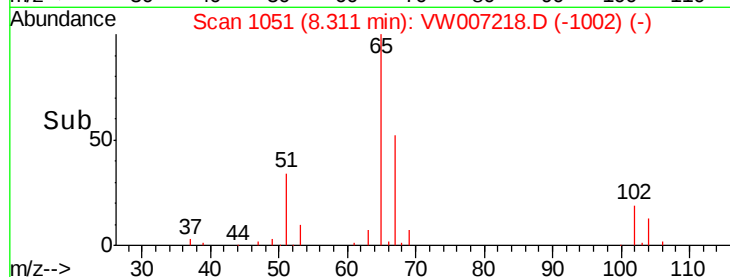
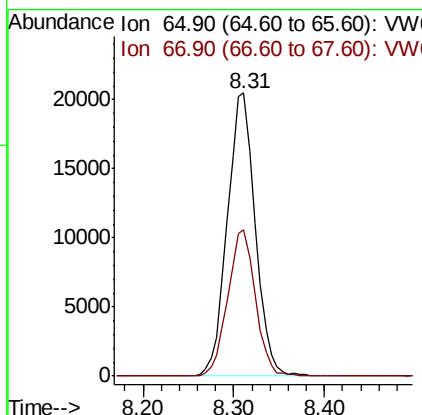
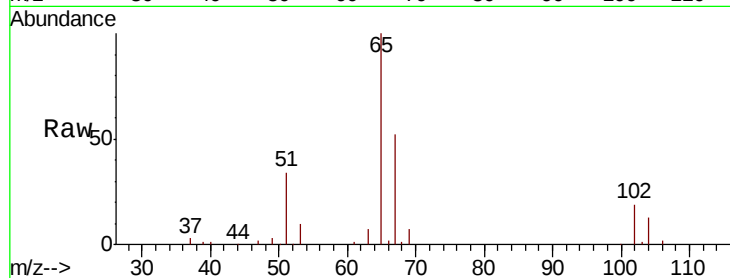




#33
 1,2-Dichloroethane-d4
 Concen: 49.094 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007218.D
 Acq: 05 Dec 2018 06:33

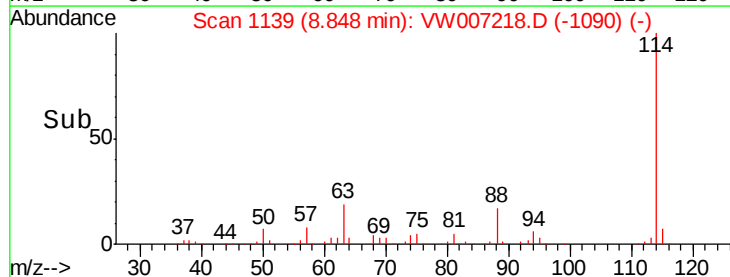
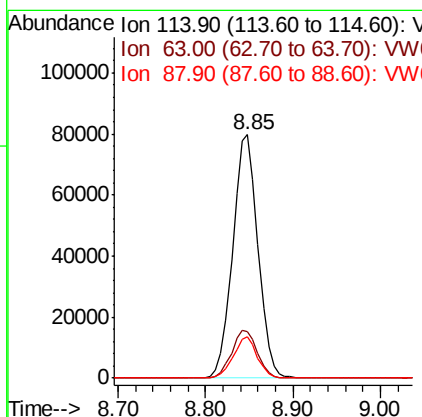
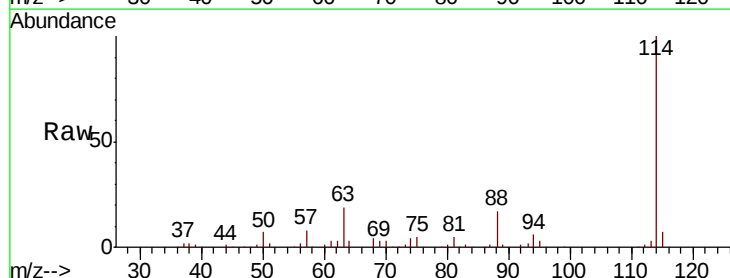
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3(9)

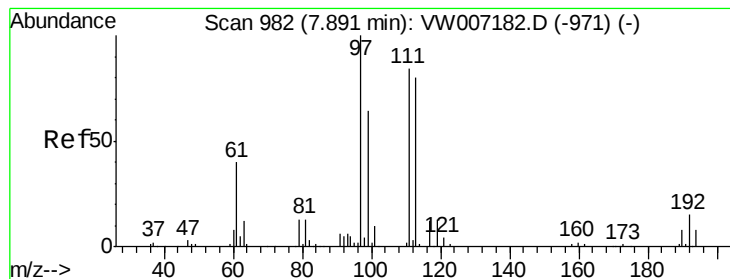
Tot Ion: 65 Resp: 43836
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007218.D
 Acq: 05 Dec 2018 06:33

Tgt Ion: 114 Resp: 160161
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.2
 88 17.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.255 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

Instrument :

MSVOA_W

ClientSampleId :

WC-3(9)

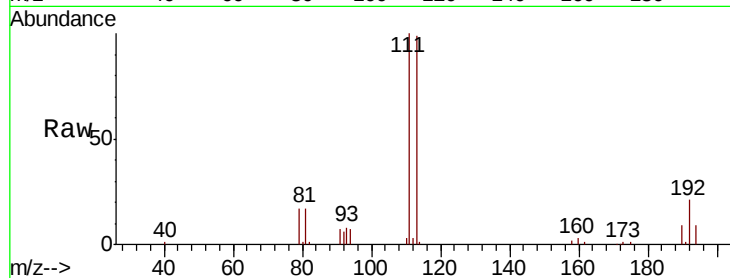
Tot Ion:113 Resp: 41502

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

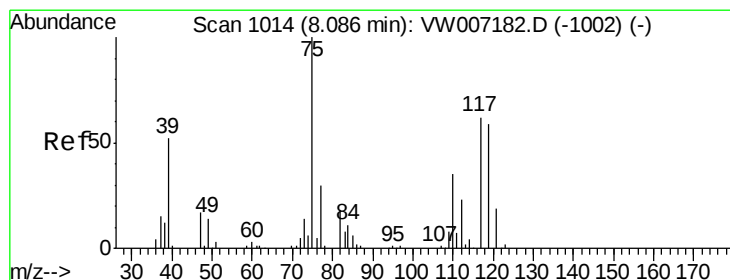
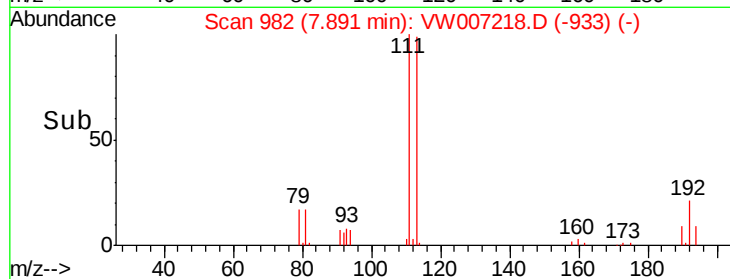
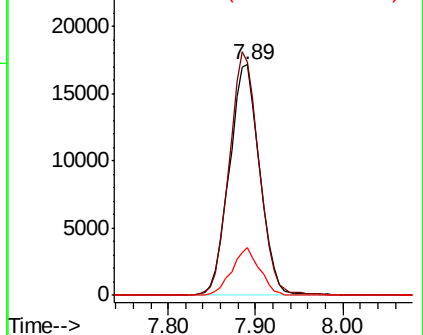
192 18.9 14.4 21.6



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: 4.679 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

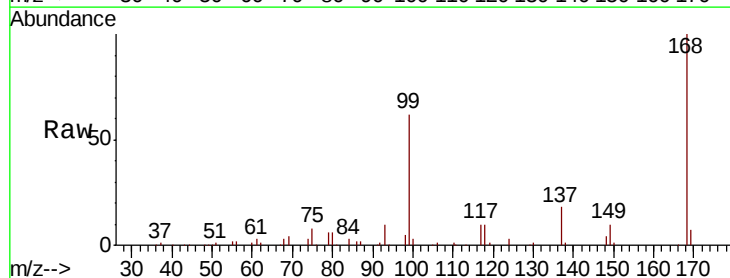
Tgt Ion: 75 Resp: 7292

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.9#

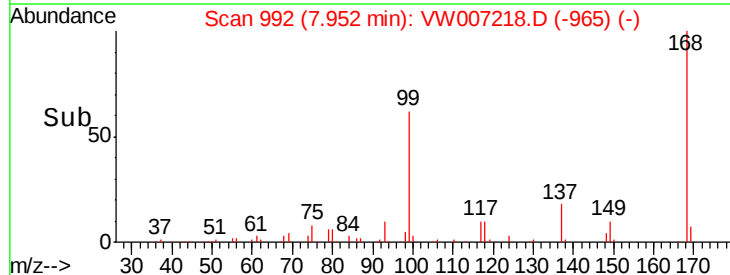
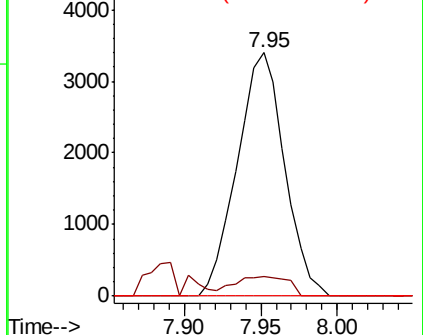
77 0.0 24.9 37.3#

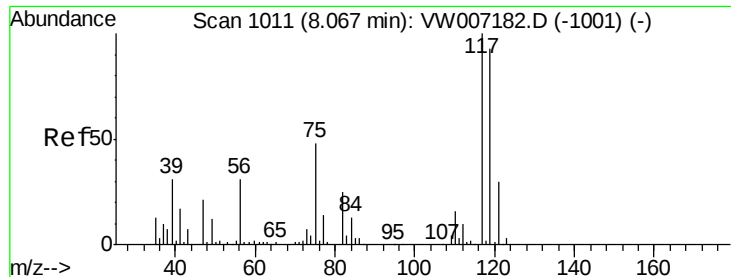


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

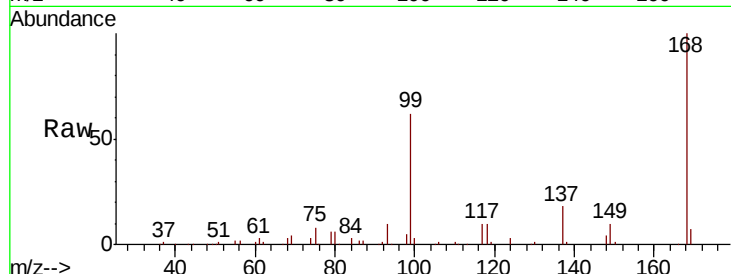




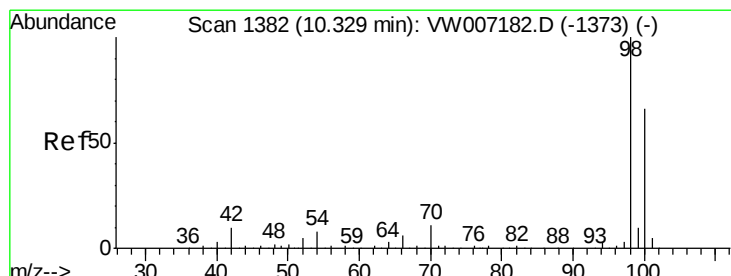
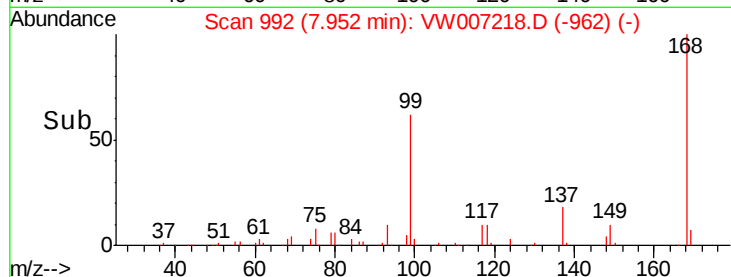
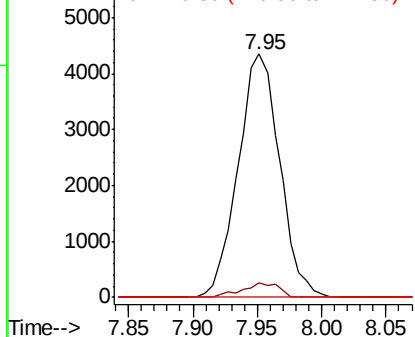
#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007218.D
Acq: 05 Dec 2018 06:33

Instrument :
MSVOA_W
ClientSampleId :
WC-3(9)

Tot Ion:117 Resp: 9709
Ion Ratio Lower Upper
117 100
119 6.0 74.1 111.1#
121 0.0 23.9 35.9#

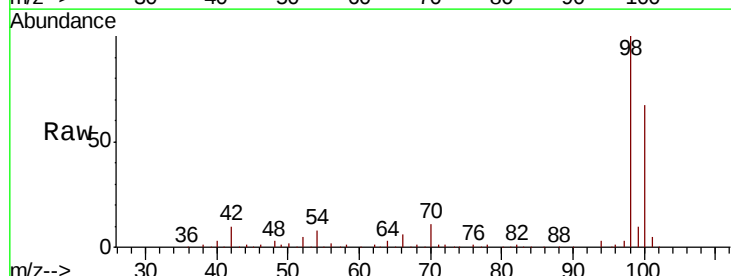


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

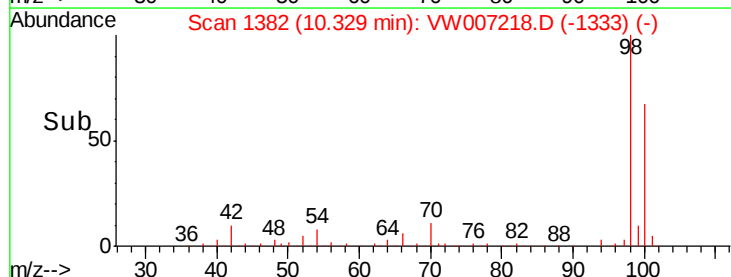
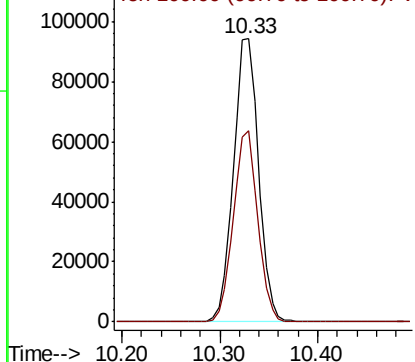


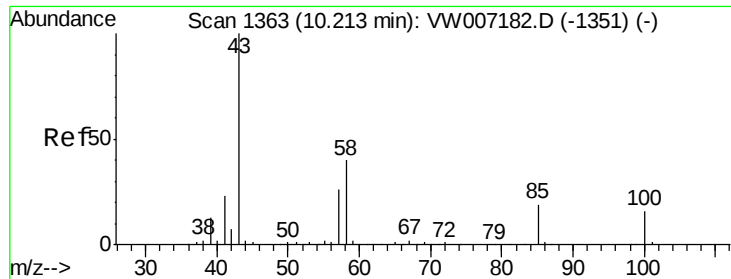
#50
Toluene-d8
Concen: 41.647 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW007218.D
Acq: 05 Dec 2018 06:33

Tgt Ion: 98 Resp: 168243
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 1.336 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

Instrument :

MSVOA_W

ClientSampled :

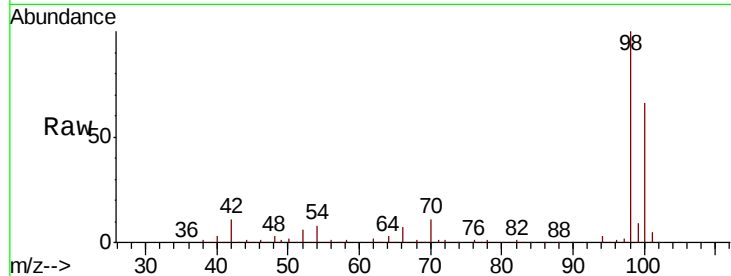
WC-3(9)

Tot Ion: 43 Resp: 721

Ion Ratio Lower Upper

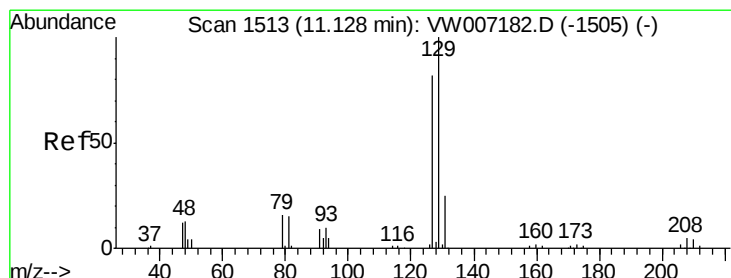
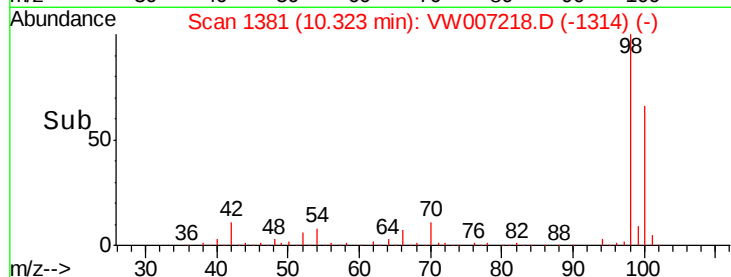
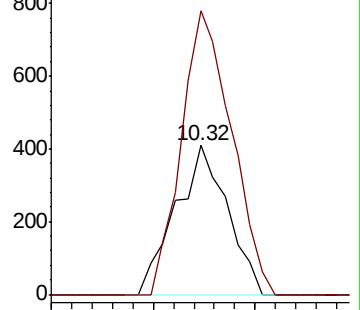
43 100

58 184.6 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 8.136 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW007218.D

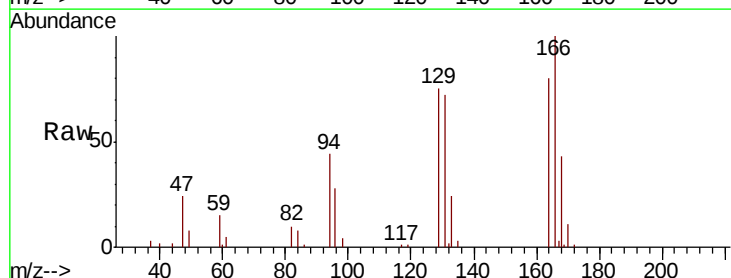
Acq: 05 Dec 2018 06:33

Tgt Ion: 129 Resp: 7350

Ion Ratio Lower Upper

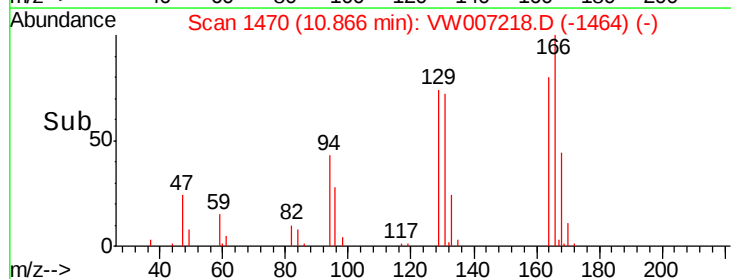
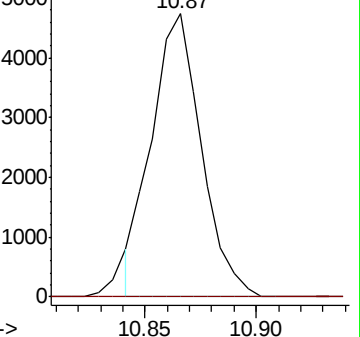
129 100

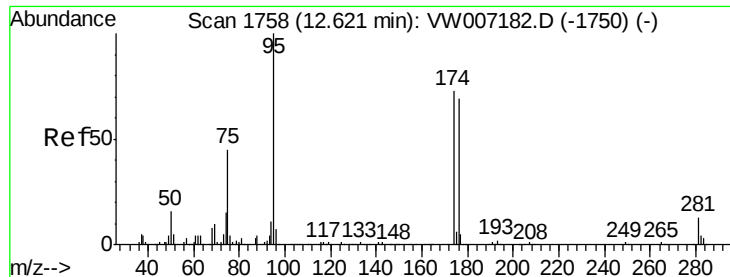
127 0.0 39.8 119.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

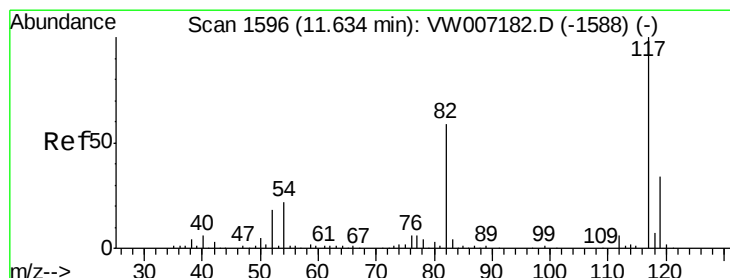
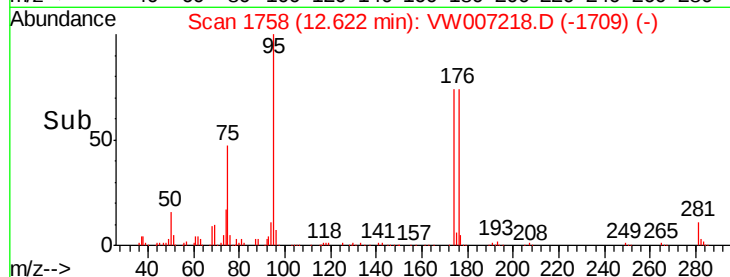
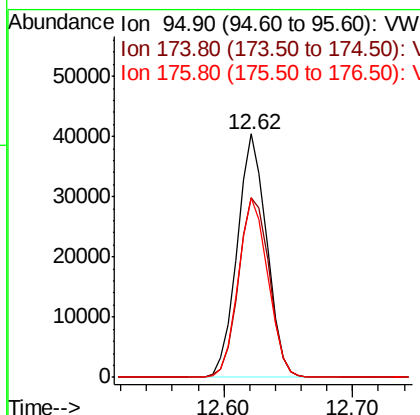
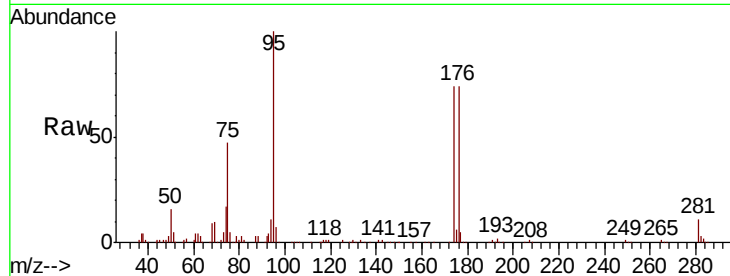




#62
4-Bromofluorobenzene
Concen: 42.046 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007218.D
Acq: 05 Dec 2018 06:33

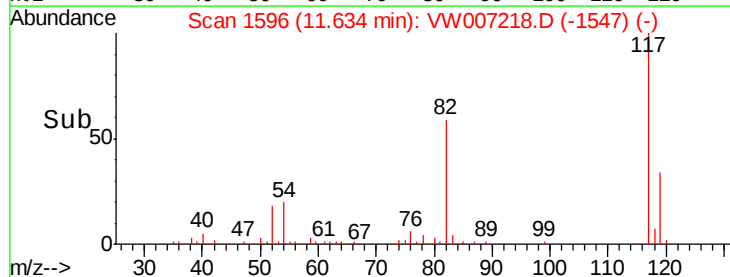
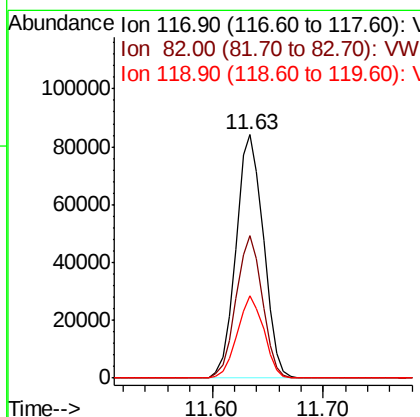
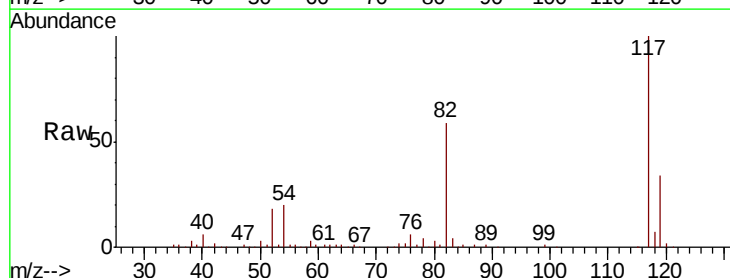
Instrument :
MSVOA_W
ClientSampled :
WC-3(9)

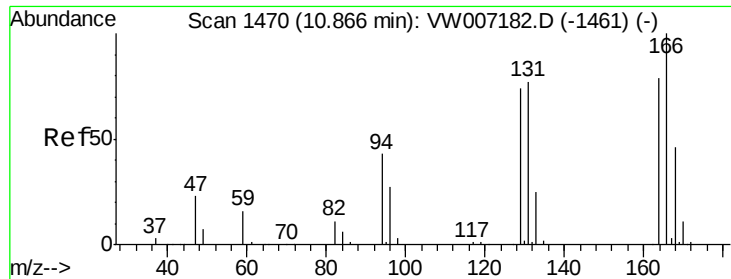
Tot Ion: 95 Resp: 64111
Ion Ratio Lower Upper
95 100
174 76.7 0.0 148.0
176 74.1 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007218.D
Acq: 05 Dec 2018 06:33

Tgt Ion: 117 Resp: 143288
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 33.7 26.8 40.2





#64

Tetrachloroethene

Concen: 7.902 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

Instrument :

MSVOA_W

ClientSampleId :

WC-3(9)

Tot Ion:164 Resp: 8272

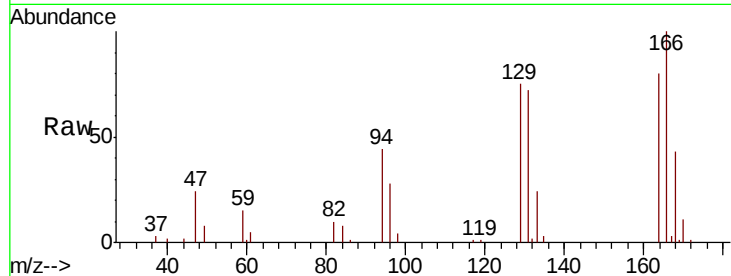
Ion Ratio Lower Upper

164 100

166 125.6 101.0 151.4

129 93.6 74.6 111.8

131 89.9 77.6 116.4



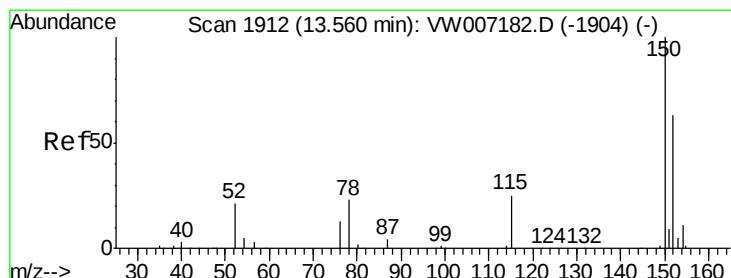
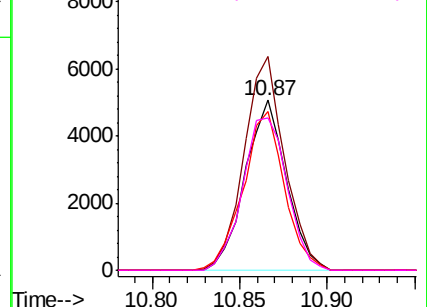
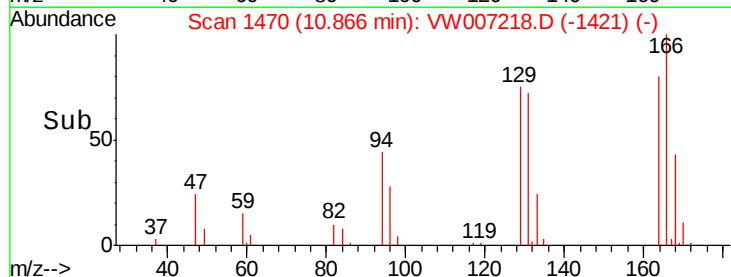
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VW007218.D

Acq: 05 Dec 2018 06:33

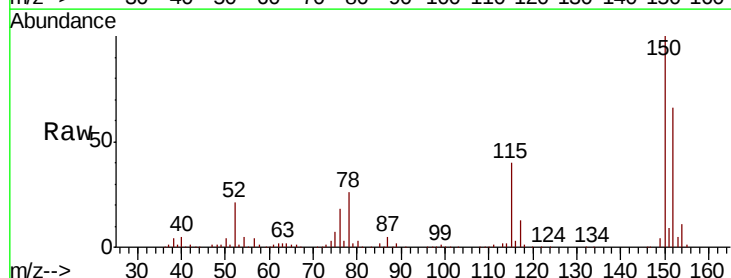
Tgt Ion:152 Resp: 68445

Ion Ratio Lower Upper

152 100

115 61.1 31.3 93.8

150 154.5 0.0 358.0

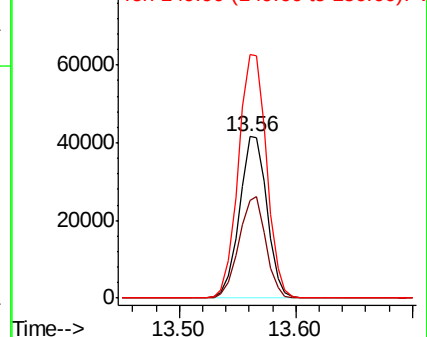
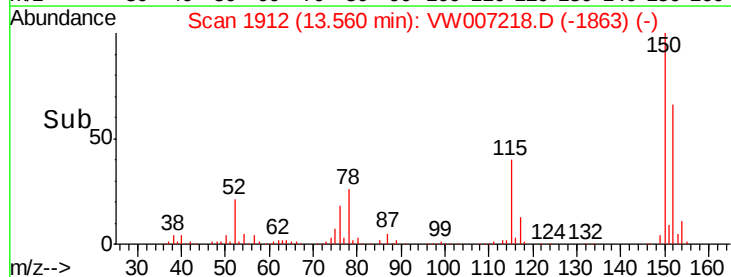


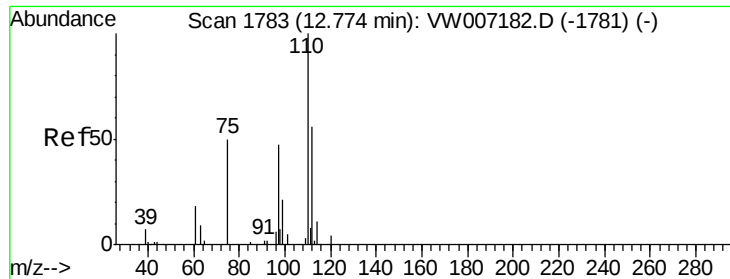
Abundance

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: 30.069 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

Instrument :

MSVOA_W

ClientSampleId :

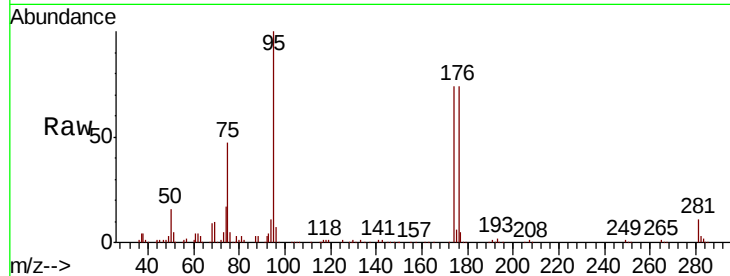
WC-3(9)

Tot Ion: 75 Resp: 30928

Ion Ratio Lower Upper

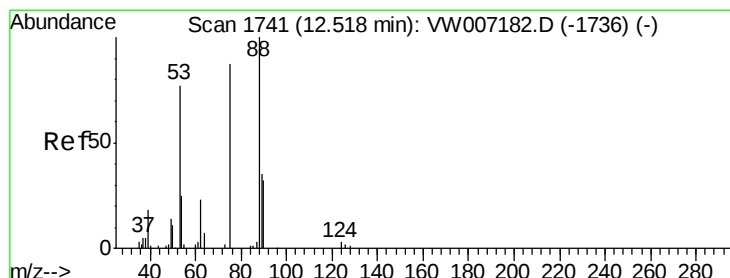
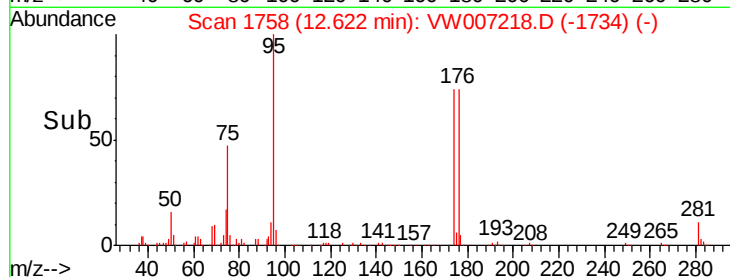
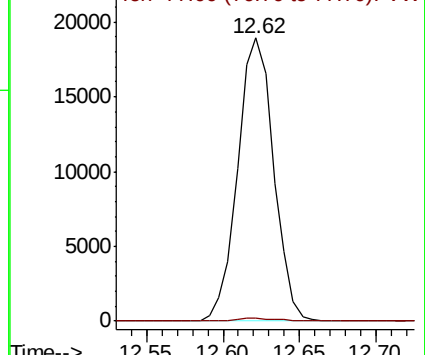
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 125.781 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007218.D

Acq: 05 Dec 2018 06:33

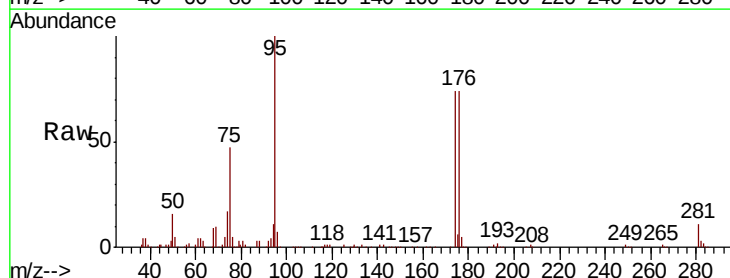
Tgt Ion: 75 Resp: 30928

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

