

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007220.D
 Acq On : 05 Dec 2018 07:24
 Operator : SY/AP
 Sample : J6210-06
 Misc : 6.86G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(9)

Quant Time: Dec 05 08:04:44 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	100326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	161098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	66873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	44242	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
35) Dibromofluoromethane	7.89	113	41641	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	
50) Toluene-d8	10.33	98	176566	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	
62) 4-Bromofluorobenzene	12.62	95	67227	43.83	ug/l	0.00
Spiked Amount			Recovery	=	87.66%	

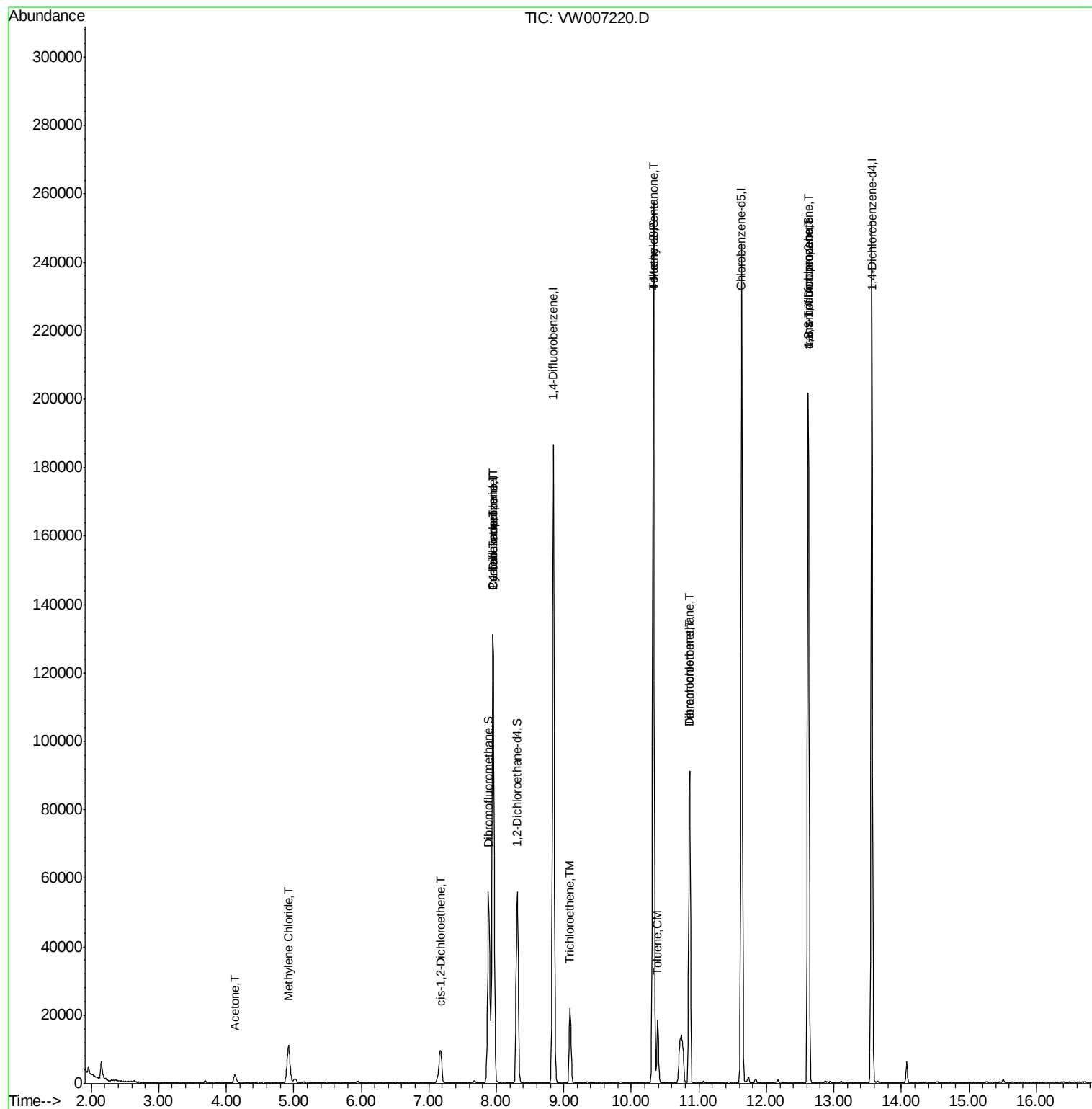
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	125	Below Cal	#	75
16) Acetone	4.13	43	4496	20.332	ug/l	92
20) Methylene Chloride	4.92	84	8874	3.074	ug/l	97
27) cis-1,2-Dichloroethene	7.18	96	6022	5.237	ug/l	90
31) Cyclohexane	7.95	56	1885	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	7241	4.619	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10318	6.449	ug/l #	18
44) Trichloroethene	9.09	130	7676	6.353	ug/l	97
51) 4-Methyl-2-Pentanone	10.32	43	790	1.456	ug/l #	1
52) Toluene	10.40	92	7999	2.675	ug/l	98
60) Dibromochloromethane	10.87	129	19767	21.754	ug/l #	10
64) Tetrachloroethene	10.87	164	19980	18.887	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	32294	32.135	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32294	134.424	ug/l #	13

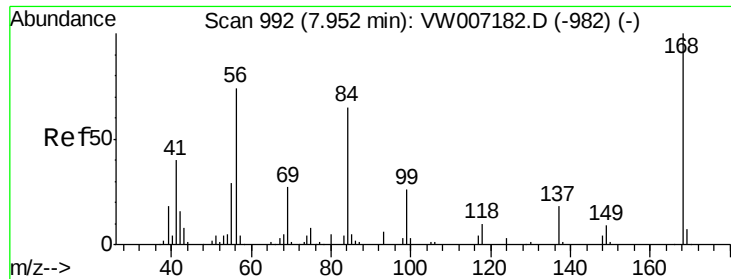
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 05 08:04:44 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: VW007220.D

Acq: 05 Dec 2018 07:24

Instrument :

MSVOA_W

ClientSampleId :

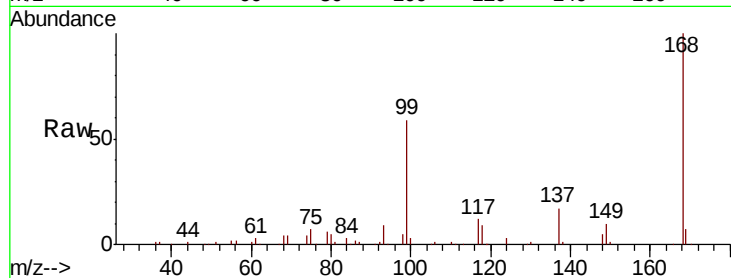
WC-9(9)

Tot Ion:168 Resp: 100326

Ion Ratio Lower Upper

168 100

99 58.5 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

50000

40000

30000

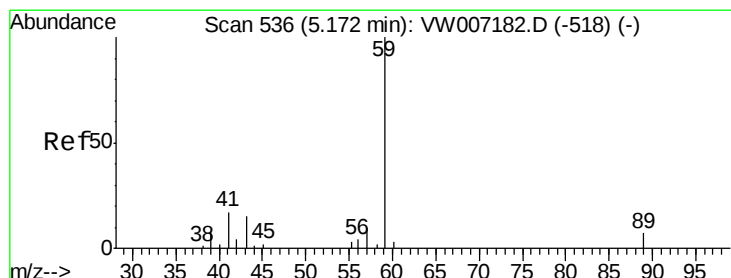
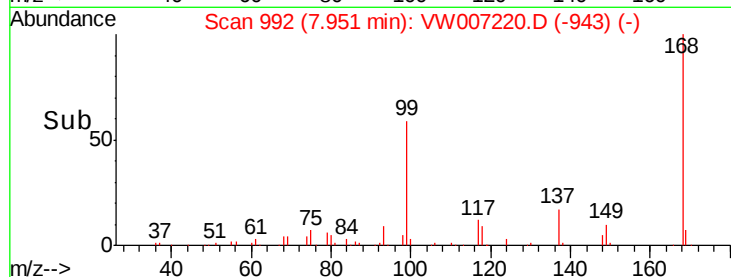
20000

10000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW007220.D

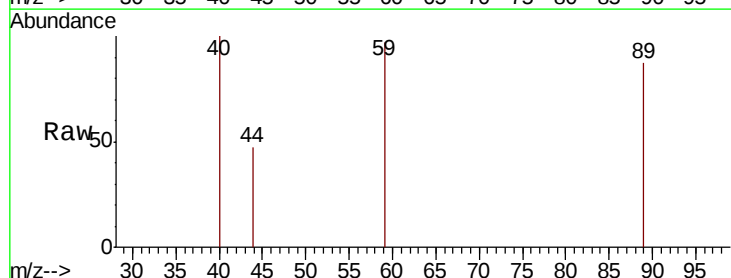
Acq: 05 Dec 2018 07:24

Tgt Ion: 59 Resp: 125

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

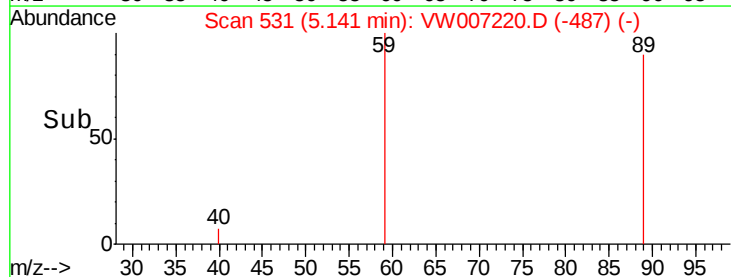
100

50

0

Time-->

5.12 5.14 5.16 5.18





#16

Acetone

Concen: 20.332 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007220.D

Acq: 05 Dec 2018 07:24

Instrument :

MSVOA_W

ClientSampleId :

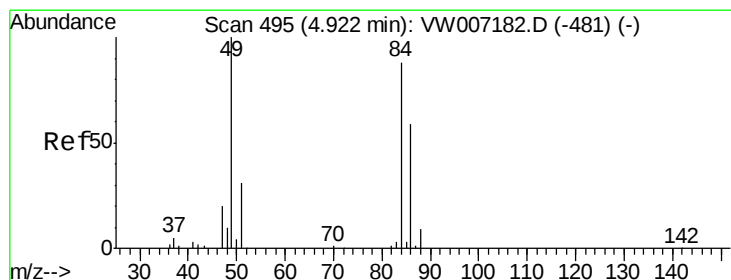
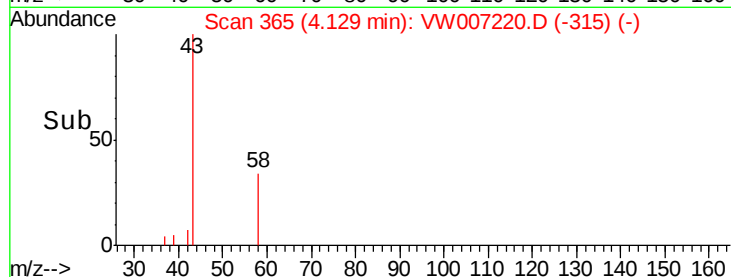
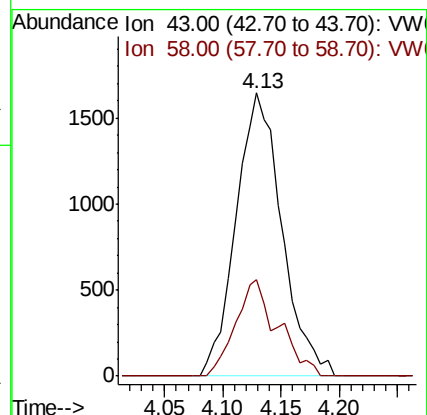
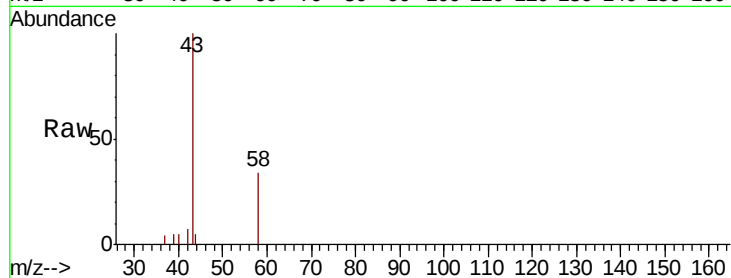
WC-9(9)

Tot Ion: 43 Resp: 4496

Ion Ratio Lower Upper

43 100

58 34.2 23.8 35.8



#20

Methylene Chloride

Concen: 3.074 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007220.D

Acq: 05 Dec 2018 07:24

Tgt Ion: 84 Resp: 8874

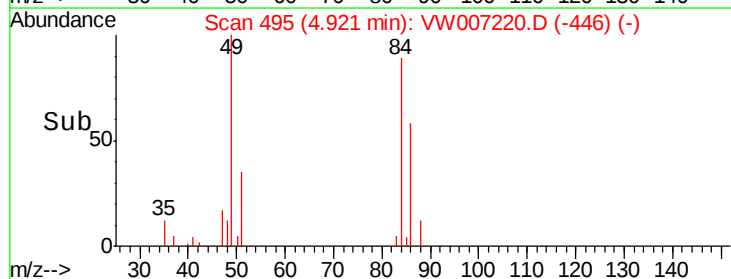
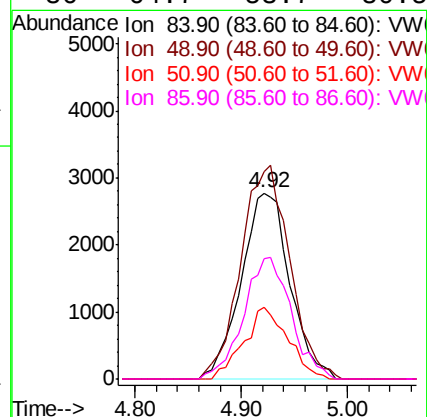
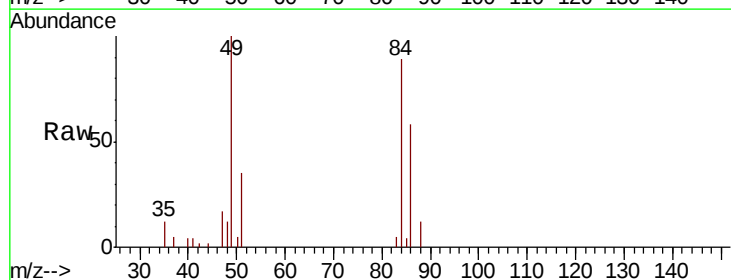
Ion Ratio Lower Upper

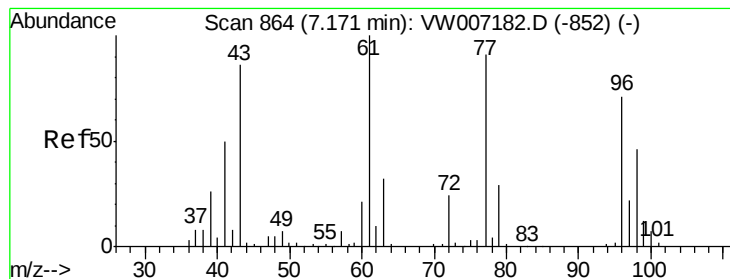
84 100

49 112.0 90.6 135.8

51 38.8 27.6 41.4

86 64.7 53.7 80.5



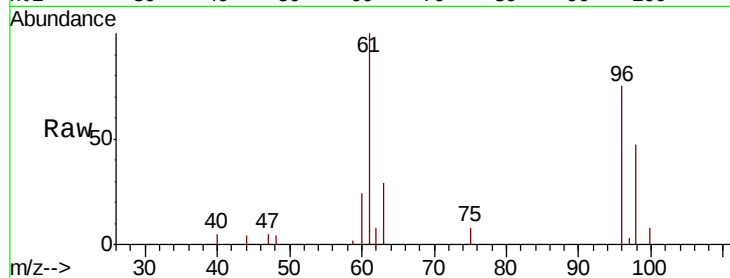


#27

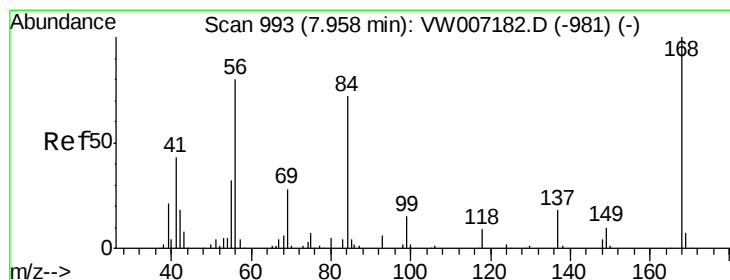
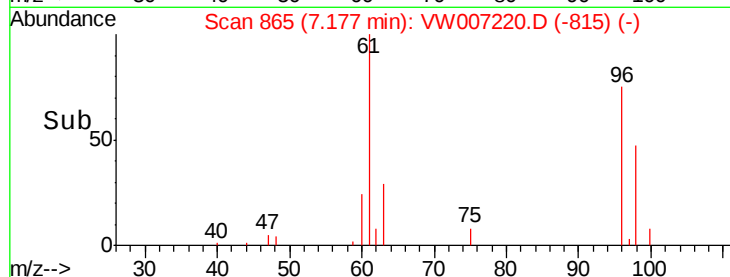
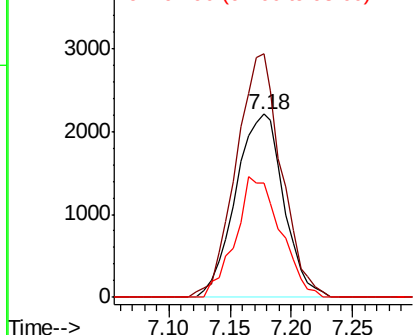
cis-1,2-Dichloroethene
 Concen: 5.237 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(9)

Tot Ion: 96 Resp: 6022
 Ion Ratio Lower Upper
 96 100
 61 125.1 0.0 282.4
 98 61.7 0.0 129.8



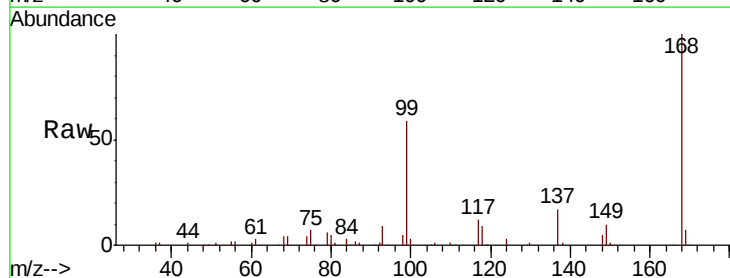
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



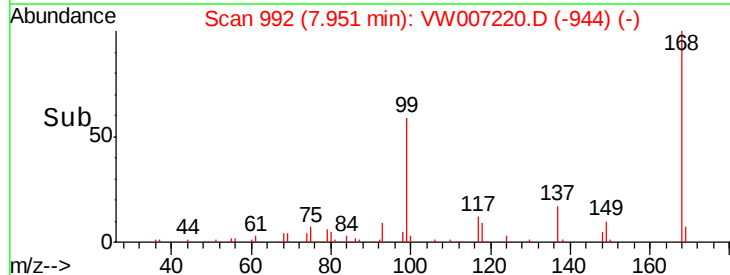
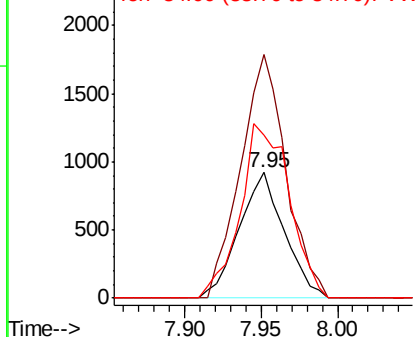
#31

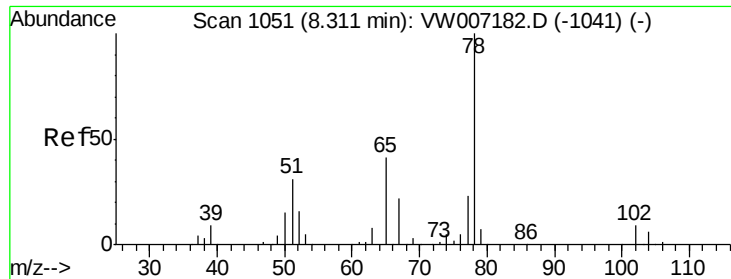
Cyclohexane
 Concen: 1.017 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

Tgt Ion: 56 Resp: 1885
 Ion Ratio Lower Upper
 56 100
 69 194.5 28.2 42.2#
 84 130.3 72.1 108.1#



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

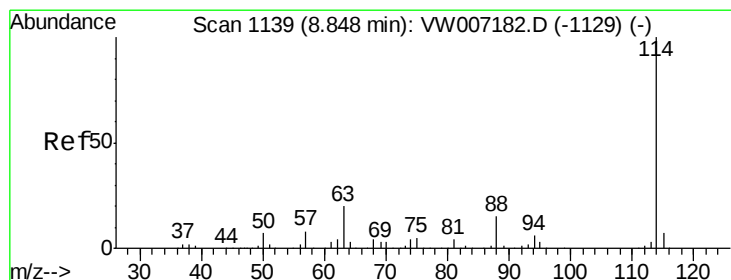
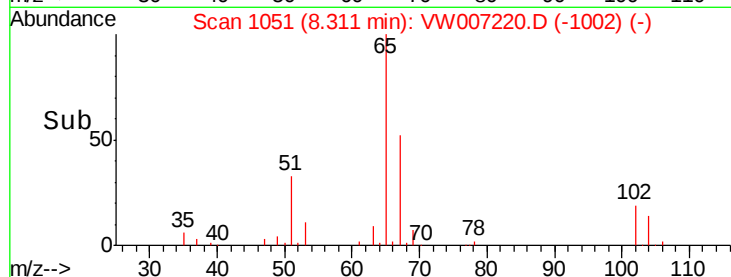
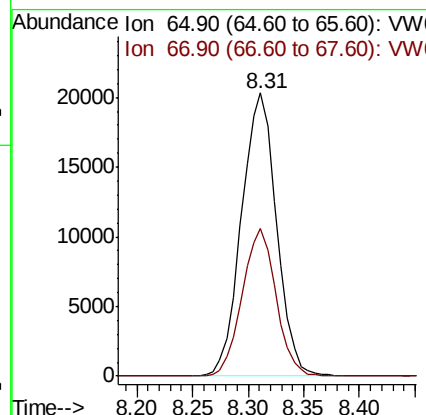
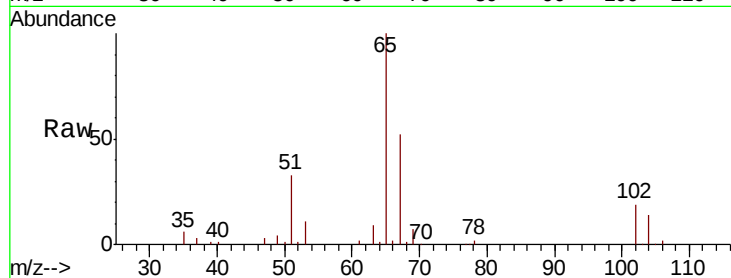




#33
 1,2-Dichloroethane-d4
 Concen: 47.364 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

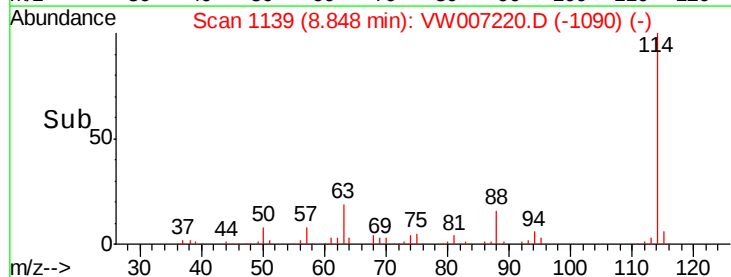
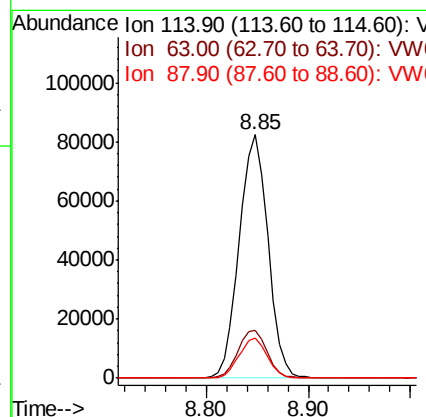
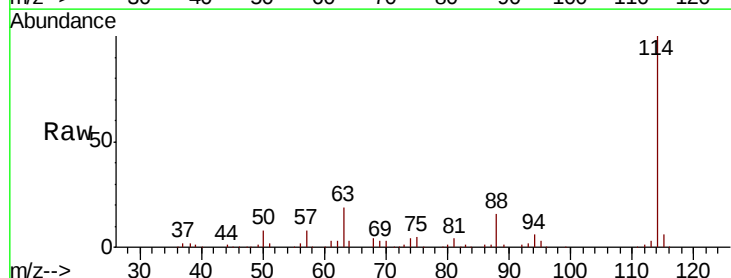
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(9)

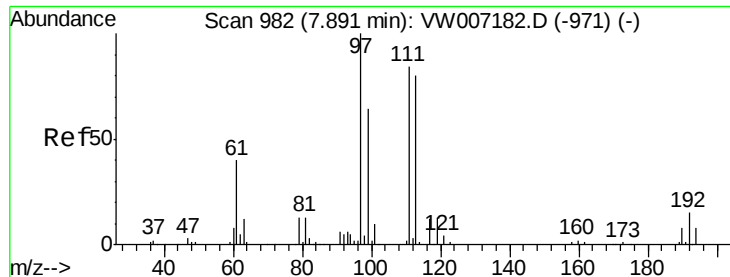
Tot Ion: 65 Resp: 44242
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

Tgt Ion: 114 Resp: 161098
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.2
 88 16.2 0.0 30.0

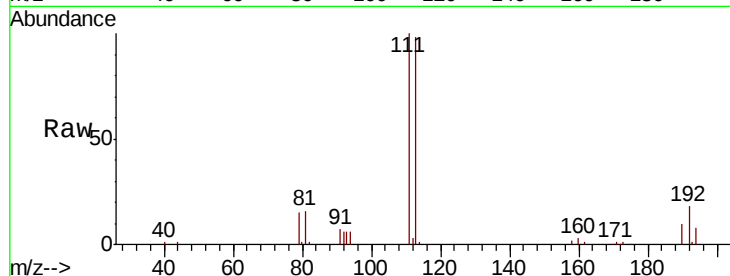




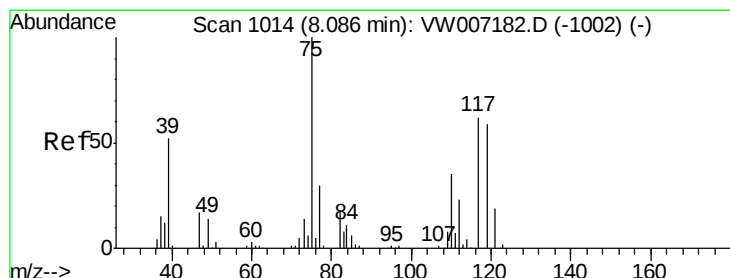
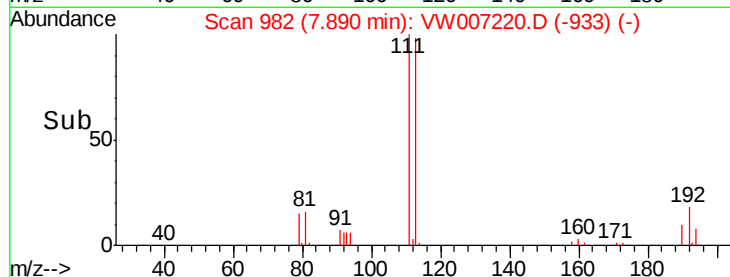
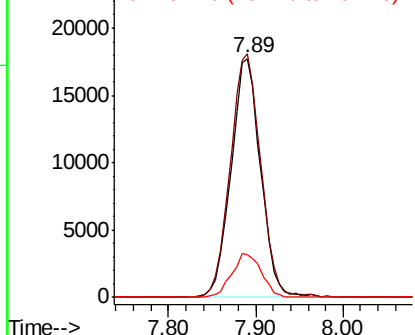
#35
 Dibromofluoromethane
 Concen: 45.142 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(9)

Tot Ion:113 Resp: 41641
 Ion Ratio Lower Upper
 113 100
 111 105.1 82.2 123.4
 192 18.4 14.4 21.6

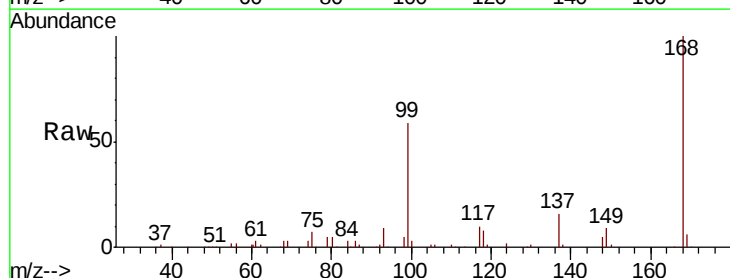


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

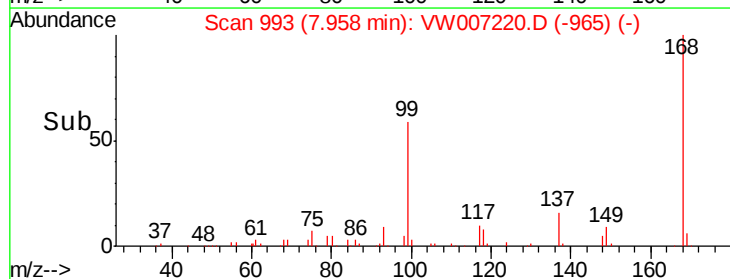
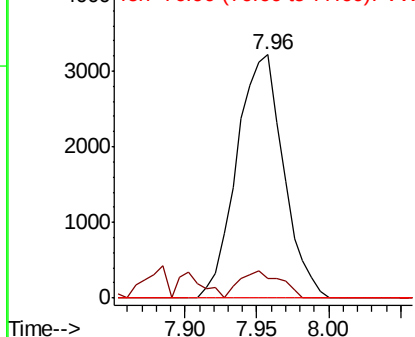


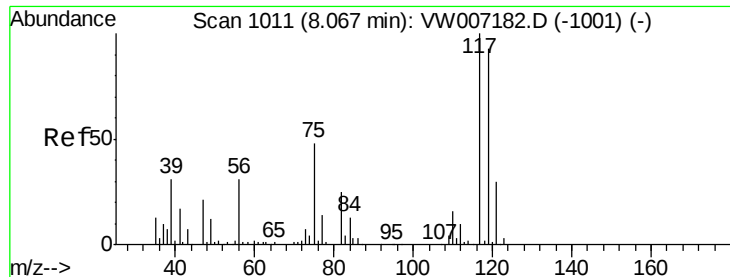
#36
 1,1-Dichloropropene
 Concen: 4.619 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

Tgt Ion: 75 Resp: 7241
 Ion Ratio Lower Upper
 75 100
 110 9.8 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: 6.449 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007220.D

Acq: 05 Dec 2018 07:24

Instrument :

MSVOA_W

ClientSampleId :

WC-9(9)

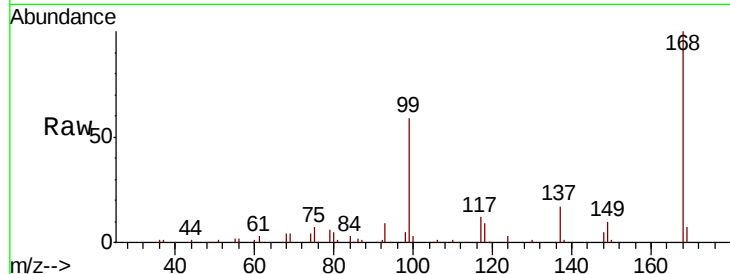
Tot Ion:117 Resp: 10318

Ion Ratio Lower Upper

117 100

119 6.2 74.1 111.1#

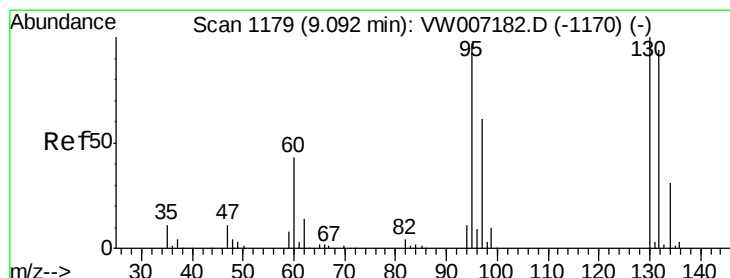
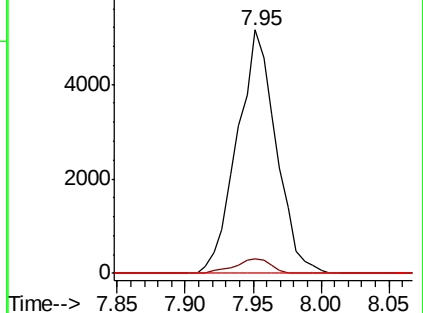
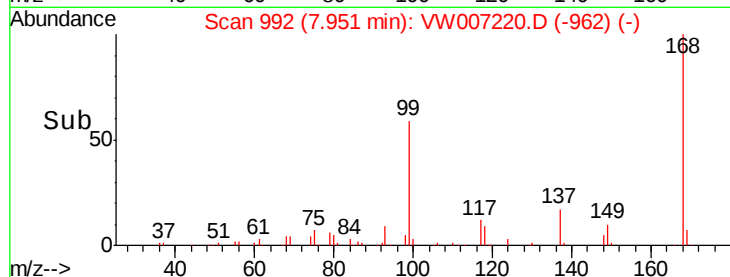
121 0.0 23.9 35.9#



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



#44

Trichloroethene

Concen: 6.353 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007220.D

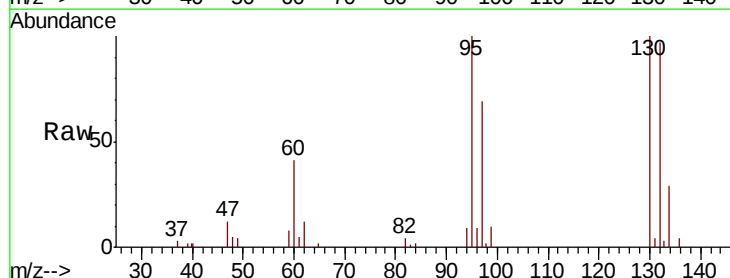
Acq: 05 Dec 2018 07:24

Tgt Ion:130 Resp: 7676

Ion Ratio Lower Upper

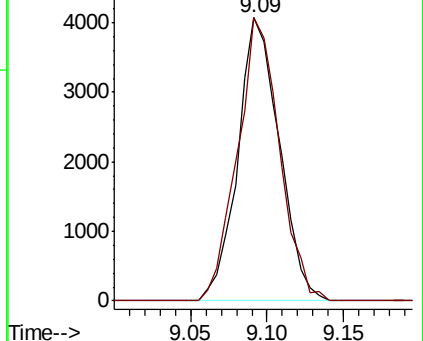
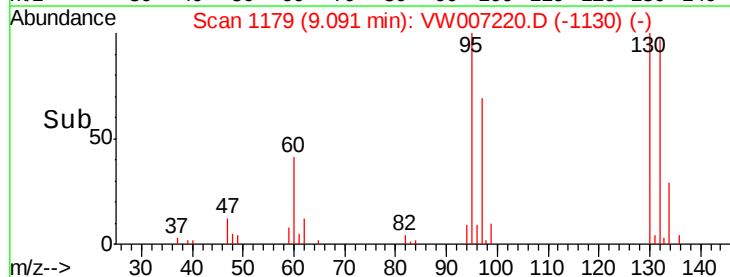
130 100

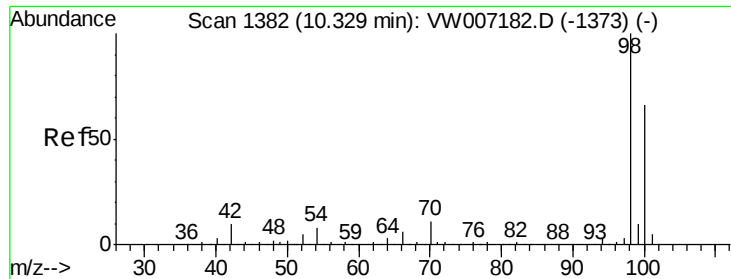
95 100.0 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV





#50

Toluene-d8

Concen: 43.453 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007220.D

Acq: 05 Dec 2018 07:24

Instrument :

MSVOA_W

ClientSampled :

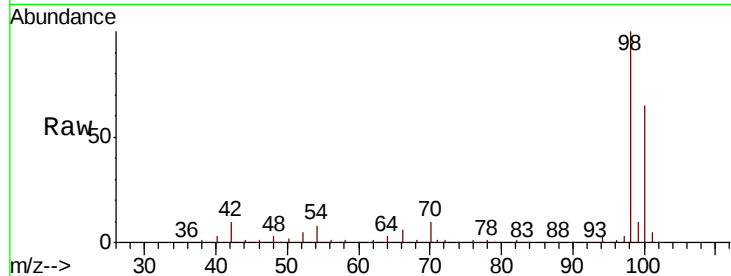
WC-9(9)

Tot Ion: 98 Resp: 176566

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

100000

80000

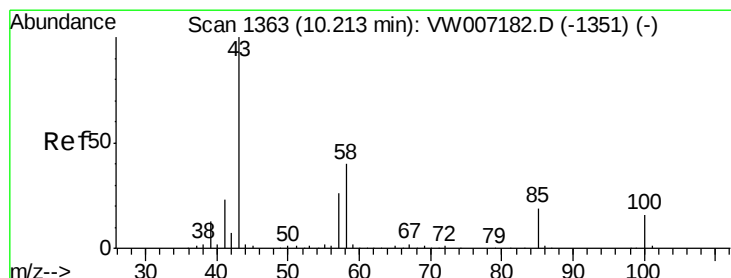
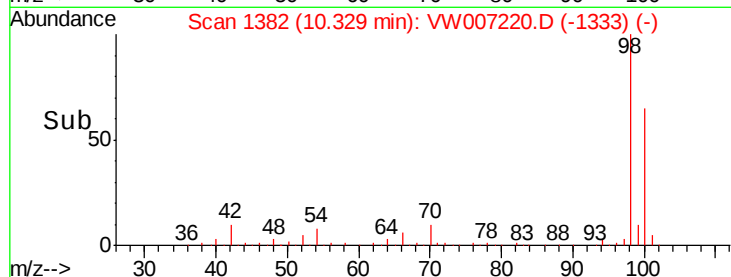
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.456 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.10 min

Lab File: VW007220.D

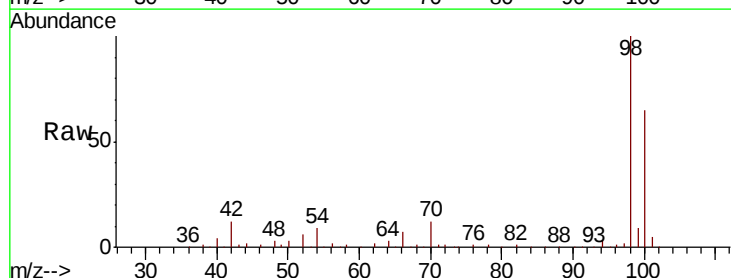
Acq: 05 Dec 2018 07:24

Tgt Ion: 43 Resp: 790

Ion Ratio Lower Upper

43 100

58 172.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800

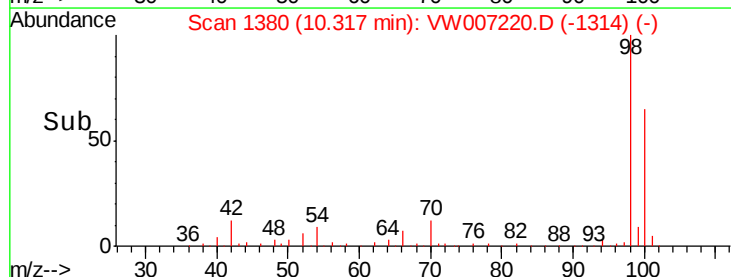
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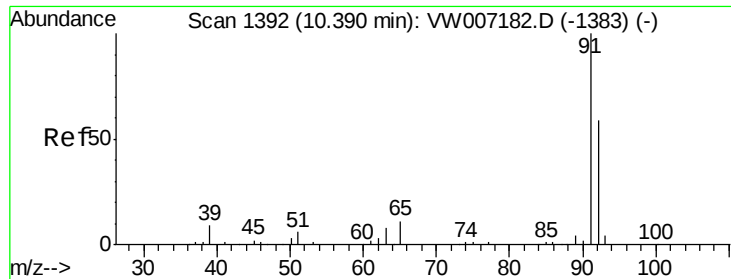
400

200

0

Time--> 10.30 10.35





#52

Toluene

Concen: 2.675 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007220.D

Acq: 05 Dec 2018 07:24

Instrument :

MSVOA_W

ClientSampled :

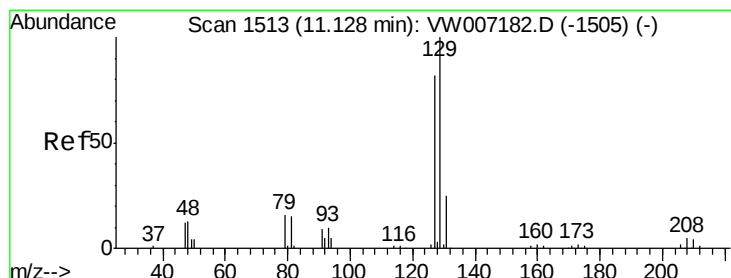
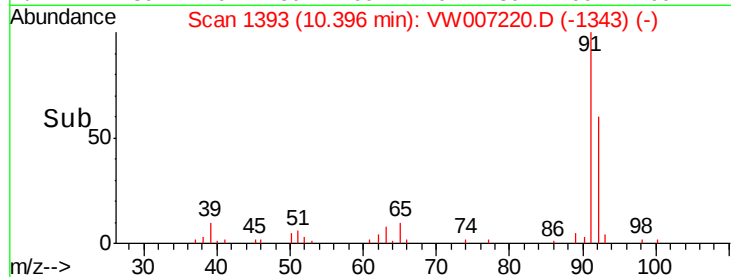
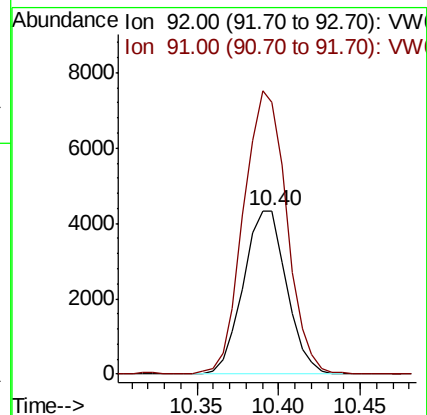
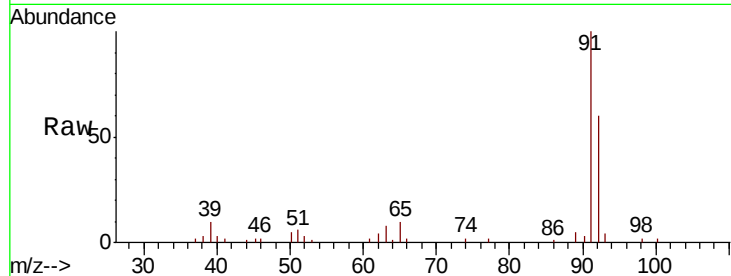
WC-9(9)

Tot Ion: 92 Resp: 7999

Ion Ratio Lower Upper

92 100

91 173.2 136.0 204.0



#60

Dibromochloromethane

Concen: 21.754 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW007220.D

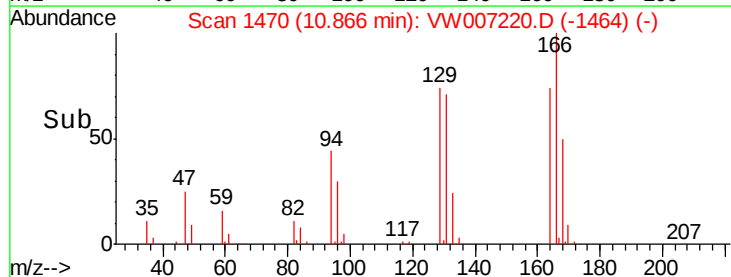
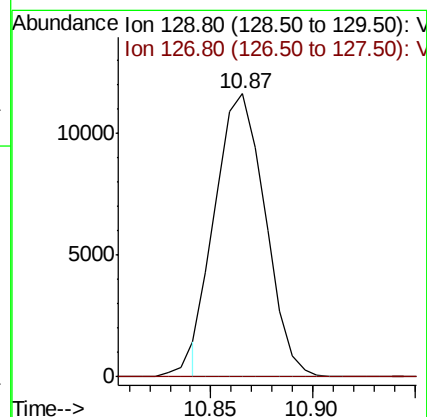
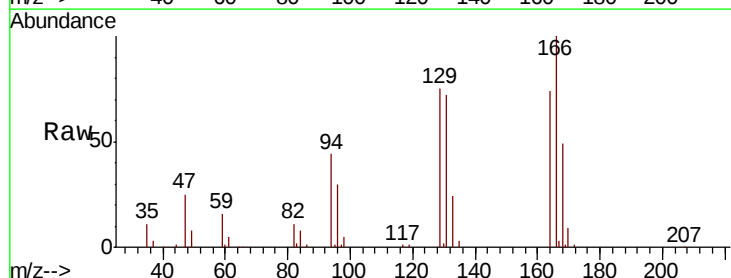
Acq: 05 Dec 2018 07:24

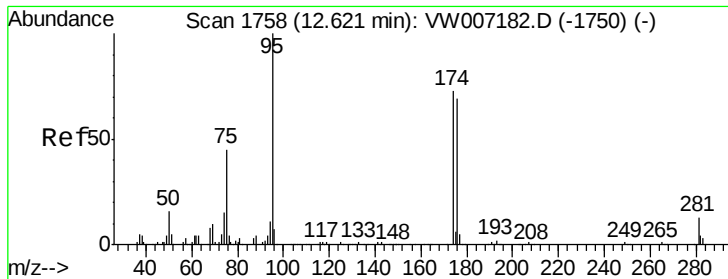
Tgt Ion: 129 Resp: 19767

Ion Ratio Lower Upper

129 100

127 0.0 39.8 119.4#

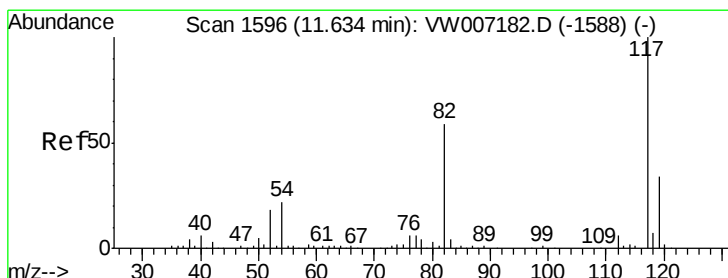
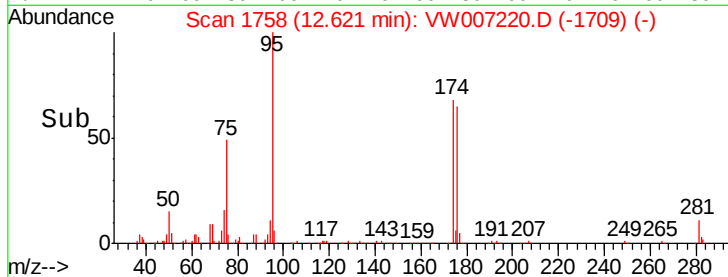
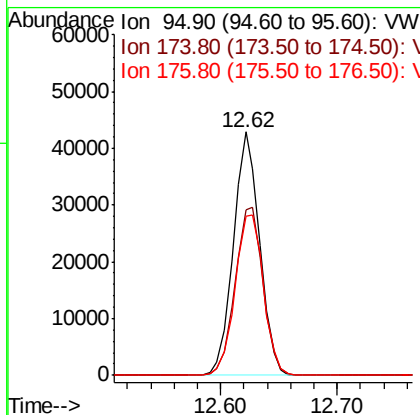
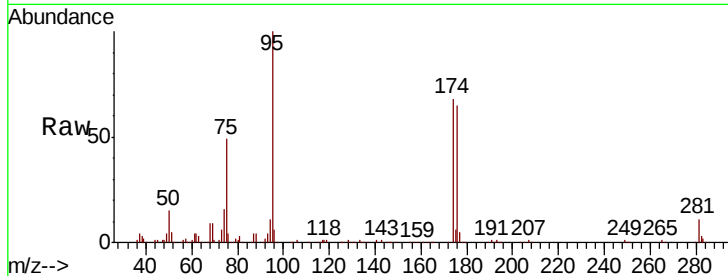




#62
4-Bromofluorobenzene
Concen: 43.834 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007220.D
Acq: 05 Dec 2018 07:24

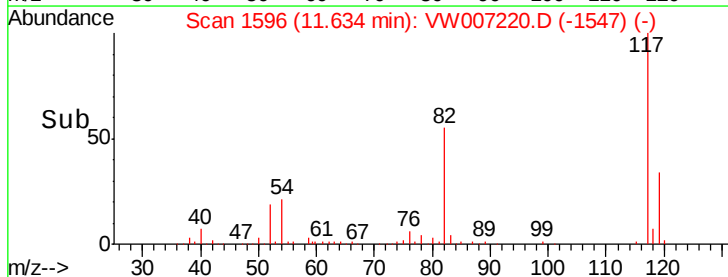
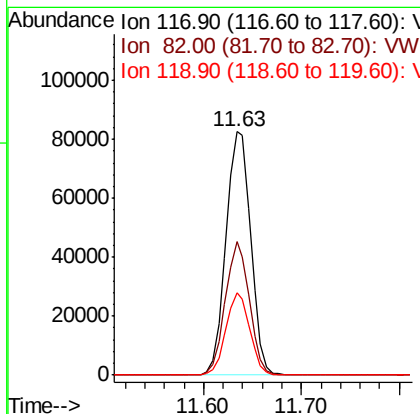
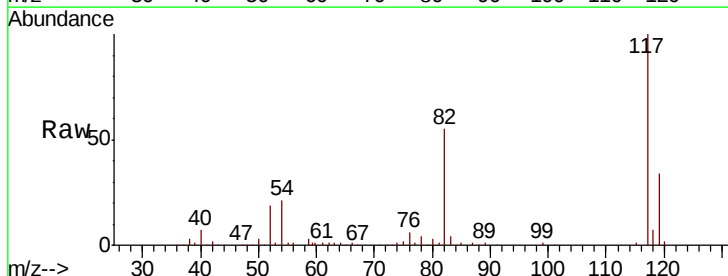
Instrument :
MSVOA_W
ClientSampleId :
WC-9(9)

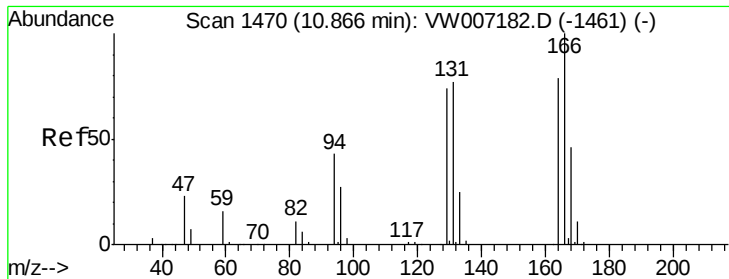
Tot Ion: 95 Resp: 67227
Ion Ratio Lower Upper
95 100
174 73.0 0.0 148.0
176 71.4 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007220.D
Acq: 05 Dec 2018 07:24

Tgt Ion: 117 Resp: 144793
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 33.8 26.8 40.2





#64

Tetrachloroethene

Concen: 18.887 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007220.D

Acq: 05 Dec 2018 07:24

Instrument :

MSVOA_W

ClientSampleId :

WC-9(9)

Tot Ion:164 Resp: 19980

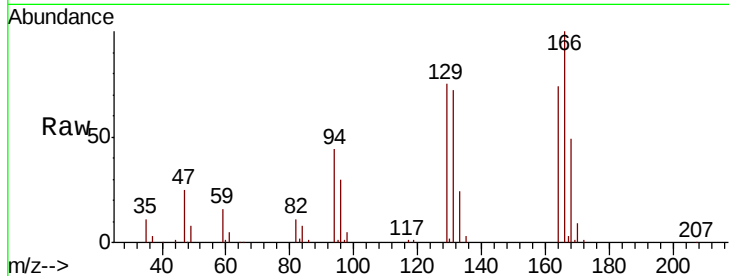
Ion Ratio Lower Upper

164 100

166 134.3 101.0 151.4

129 101.0 74.6 111.8

131 96.2 77.6 116.4

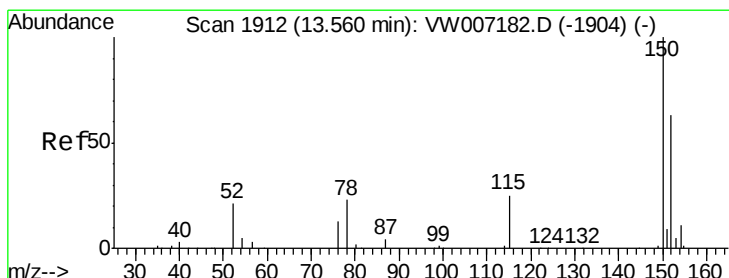
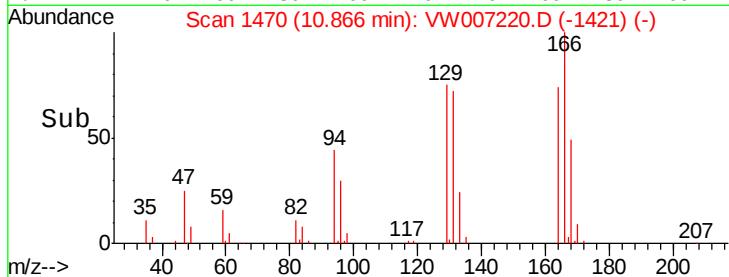
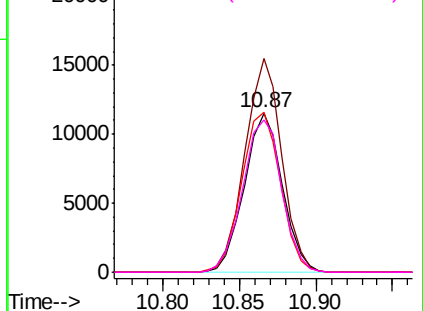


Abundance Ion 163.80 (163.50 to 164.50): V

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: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007220.D

Acq: 05 Dec 2018 07:24

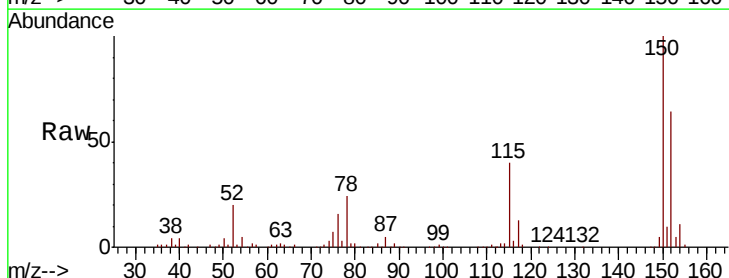
Tgt Ion:152 Resp: 66873

Ion Ratio Lower Upper

152 100

115 63.7 31.3 93.8

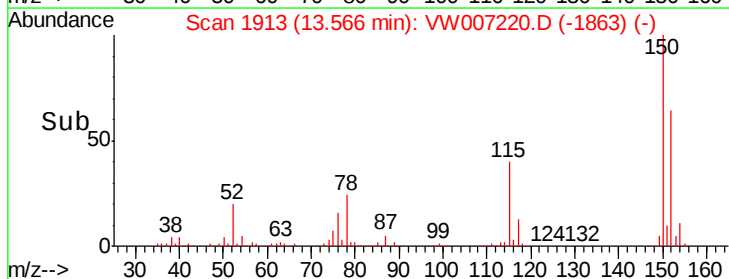
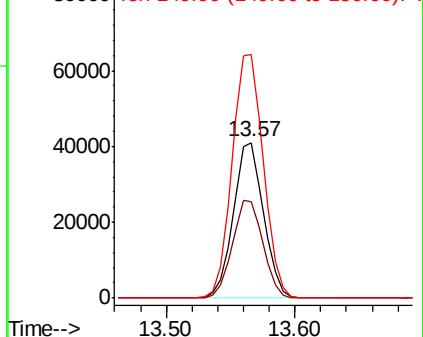
150 162.1 0.0 358.0

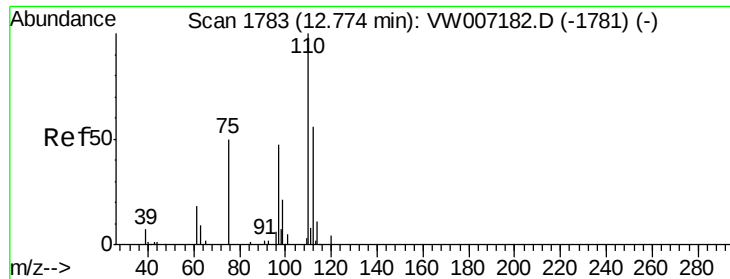


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

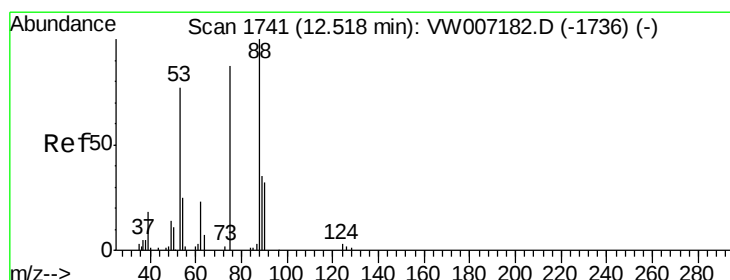
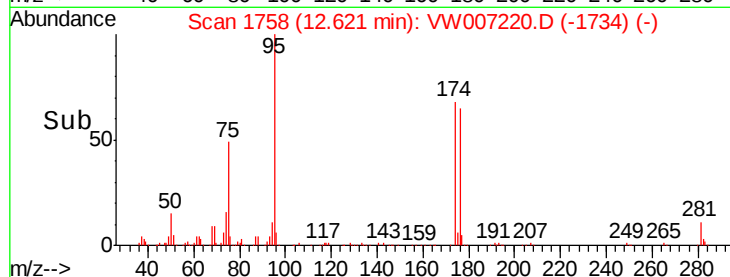
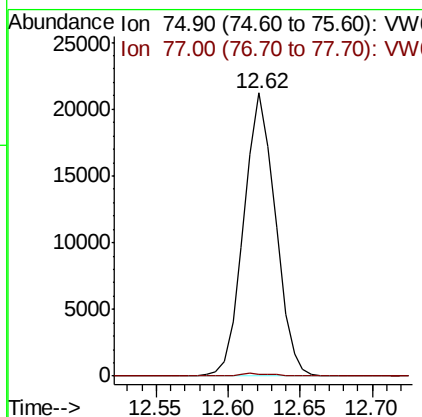
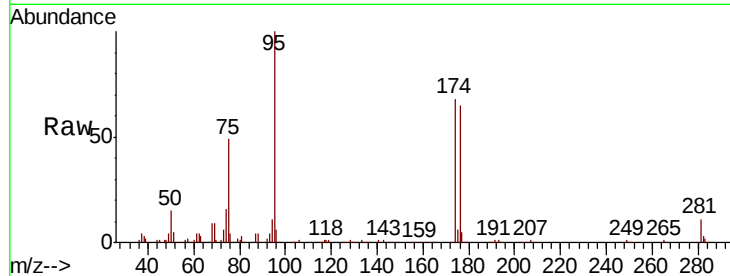




#76
 1,2,3-Trichloropropane
 Concen: 32.135 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

Instrument :
 MSVOA_W
 ClientSampleID :
 WC-9(9)

Tot Ion: 75 Resp: 32294
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.424 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007220.D
 Acq: 05 Dec 2018 07:24

Tgt Ion: 75 Resp: 32294
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 36.4 54.6#

