

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007798.D
 Acq On : 21 Dec 2018 16:38
 Operator : SY/AP
 Sample : WV1223SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:48:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	116864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	41829	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	7.88	113	38262	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.32	98	152378	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	59289	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	

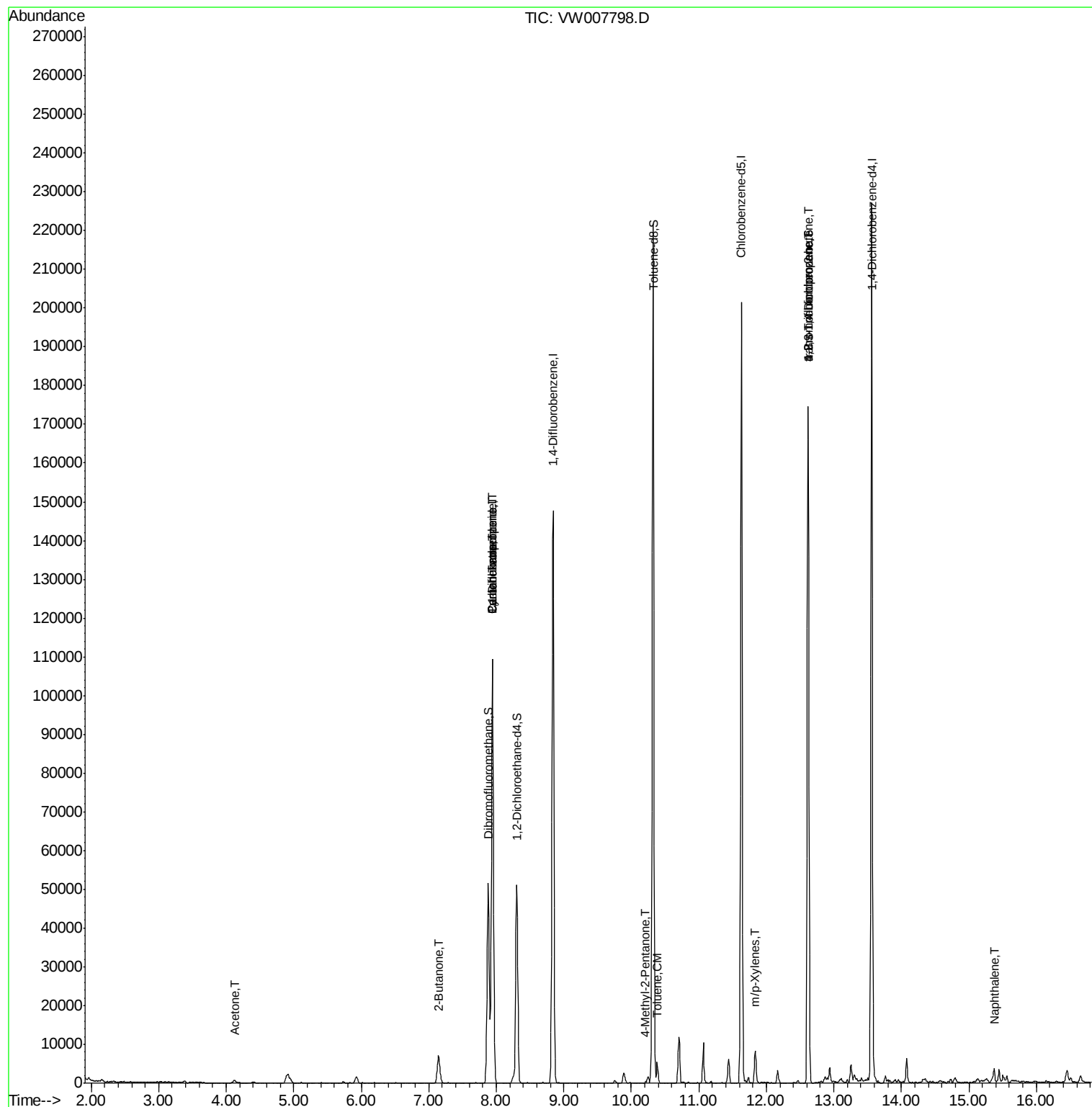
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1631	9.775	ug/l	93
20) Methylene Chloride	4.92	84	2479	Below Cal	#	93
25) 2-Butanone	7.14	43	417	2.134	ug/l #	44
31) Cyclohexane	7.94	56	1465	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6236	5.066	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8681	5.988	ug/l #	15
51) 4-Methyl-2-Pentanone	10.22	43	409	1.017	ug/l #	34
52) Toluene	10.39	92	2612	1.185	ug/l	93
68) m/p-Xylenes	11.83	106	2597	1.542	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	29479	65.511	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	29479	137.512	ug/l #	9
95) Naphthalene	15.38	128	3083	1.340	ug/l	98

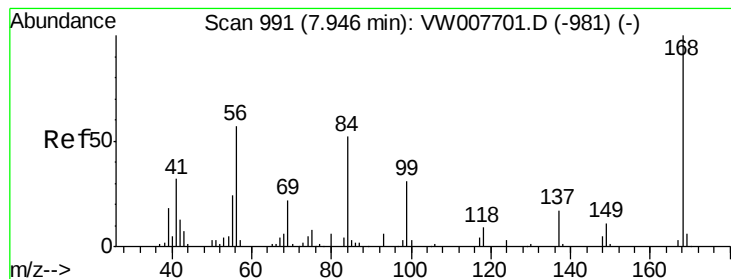
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

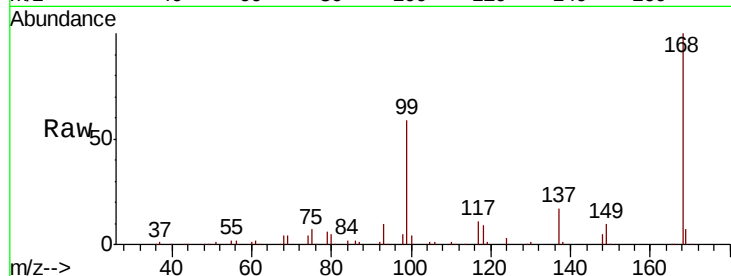
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 81294

Ion Ratio Lower Upper

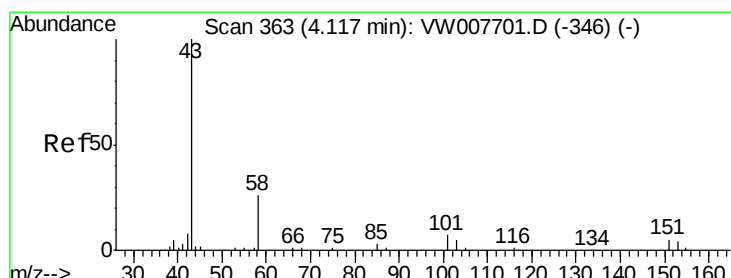
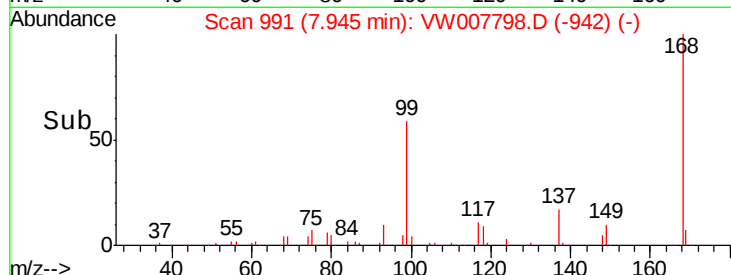
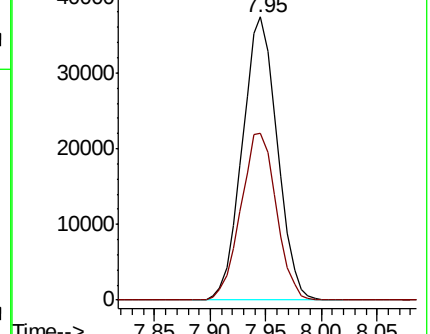
168 100

99 58.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 9.775 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007798.D

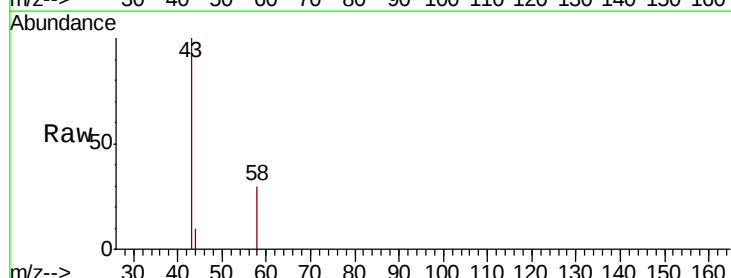
Acq: 21 Dec 2018 16:38

Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

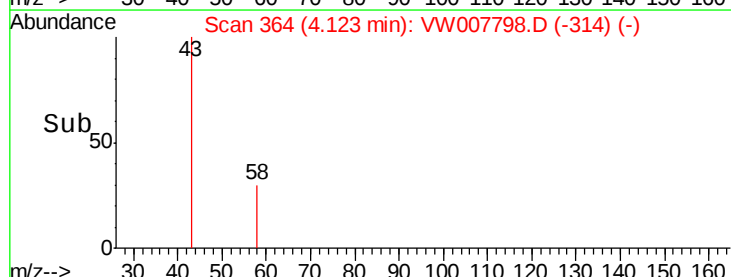
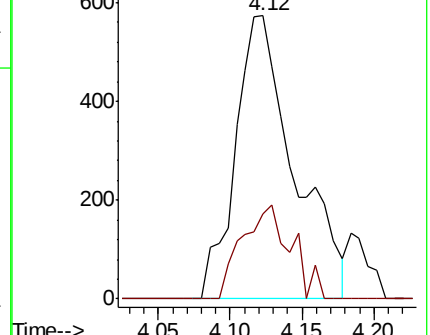
43 100

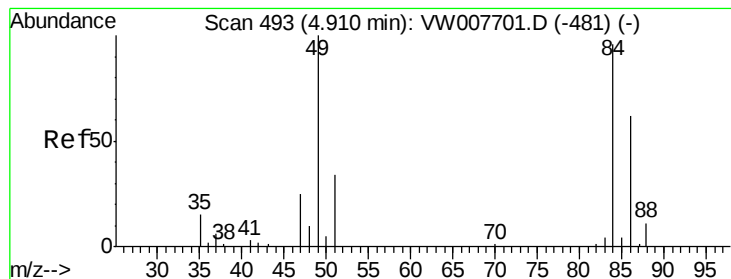
58 30.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 2479

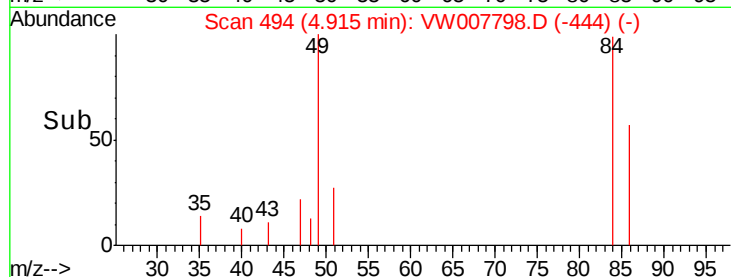
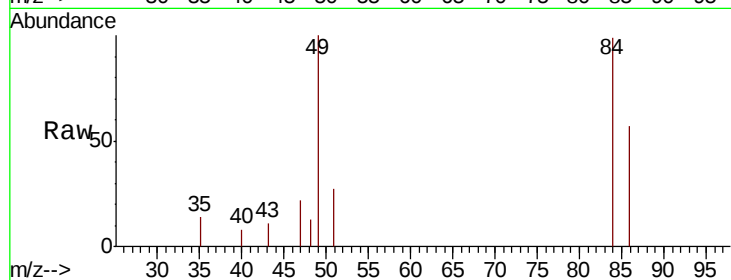
Ion Ratio Lower Upper

84 100

49 101.2 83.7 125.5

51 27.1 28.2 42.2#

86 57.3 52.2 78.2

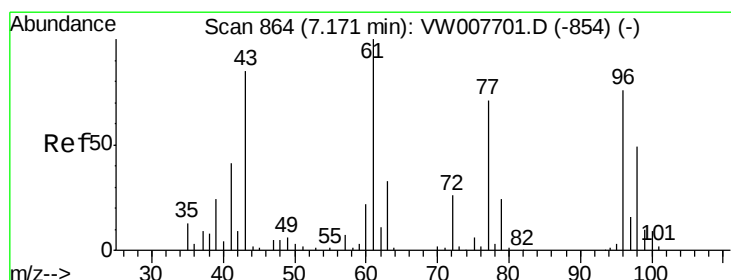
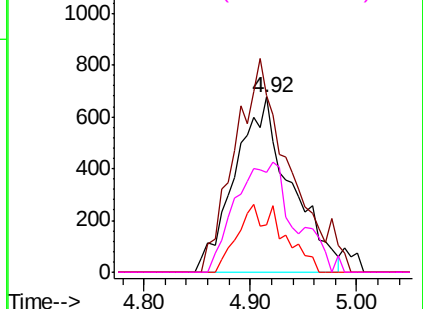


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 2.134 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007798.D

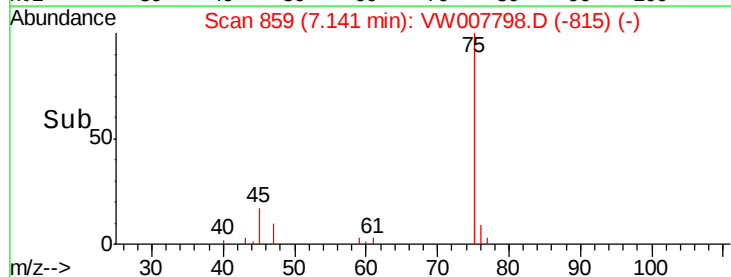
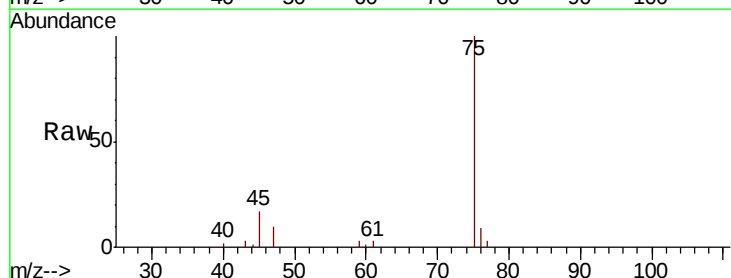
Acq: 21 Dec 2018 16:38

Tgt Ion: 43 Resp: 417

Ion Ratio Lower Upper

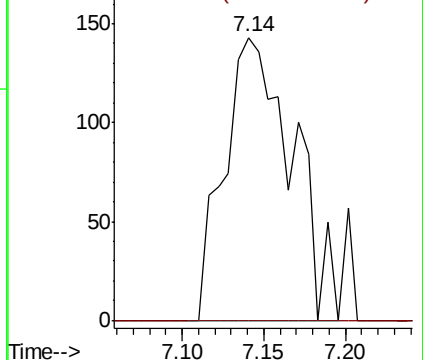
43 100

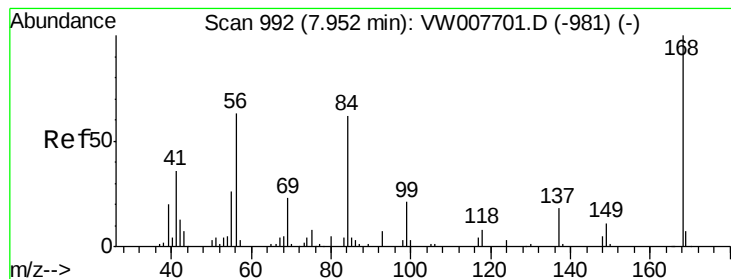
72 0.0 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

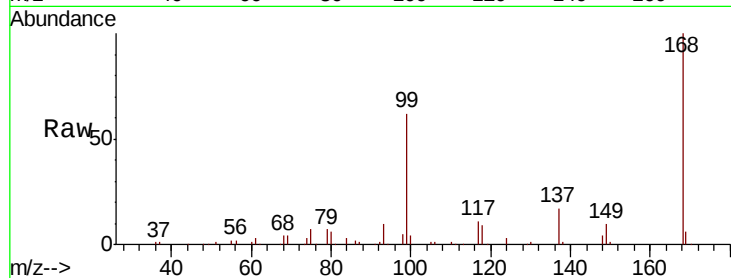




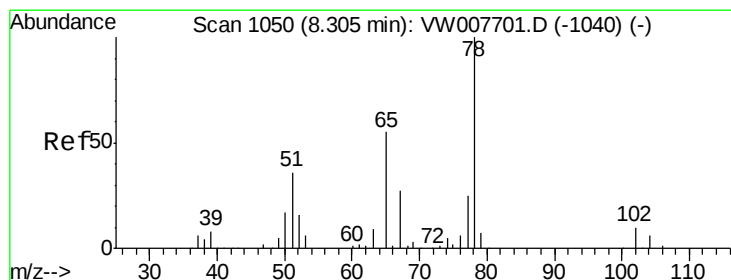
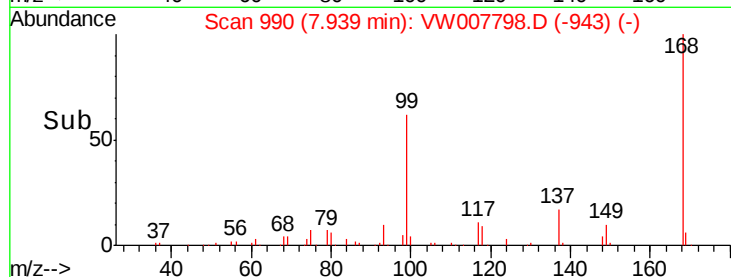
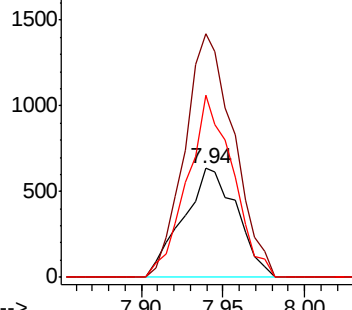
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007798.D
Acq: 21 Dec 2018 16:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 1465
Ion Ratio Lower Upper
56 100
69 223.6 29.7 44.5#
84 167.6 78.9 118.3#

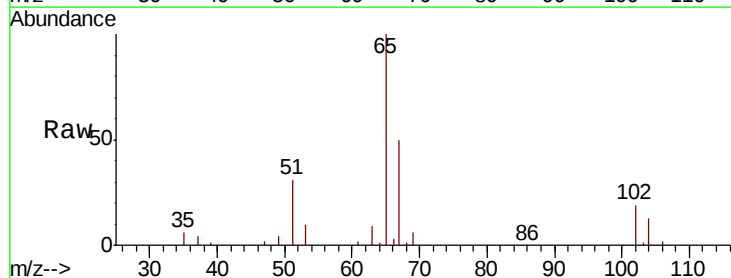


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

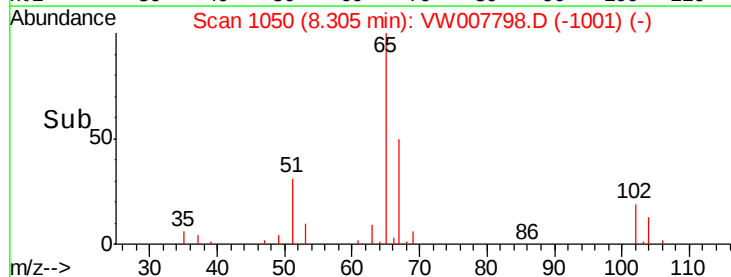
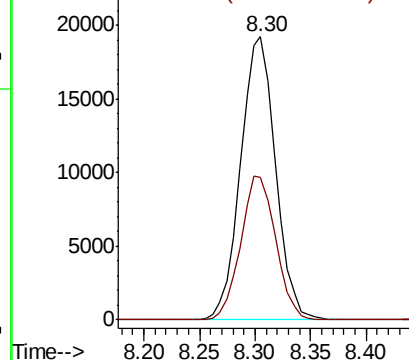


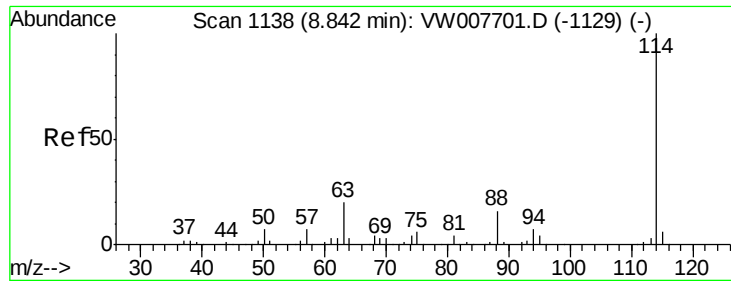
#33
1,2-Dichloroethane-d4
Concen: 46.945 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007798.D
Acq: 21 Dec 2018 16:38

Tgt Ion: 65 Resp: 41829
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.6



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

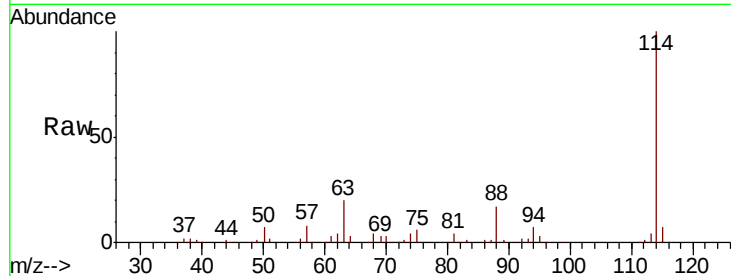




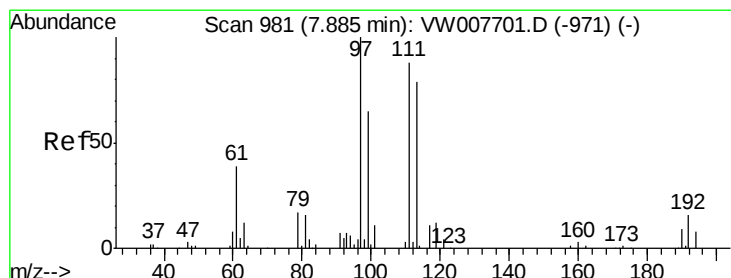
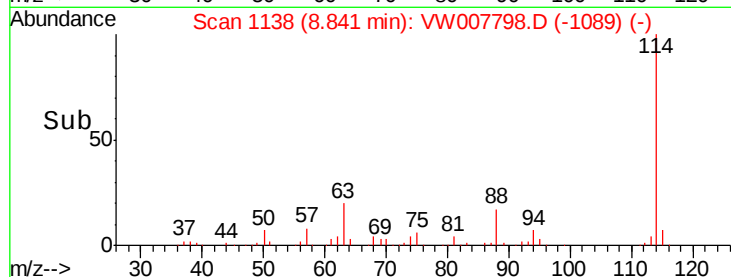
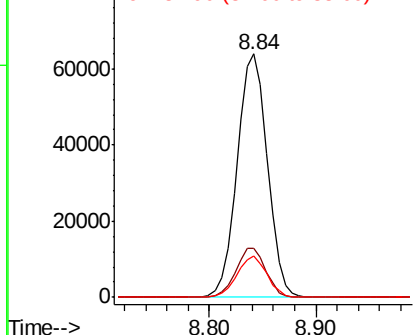
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007798.D
 Acq: 21 Dec 2018 16:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.0
88	17.0	0.0	32.6

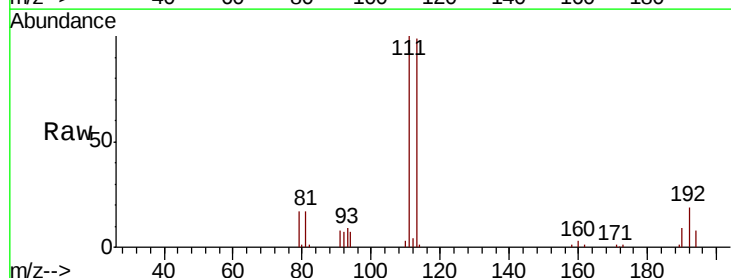


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

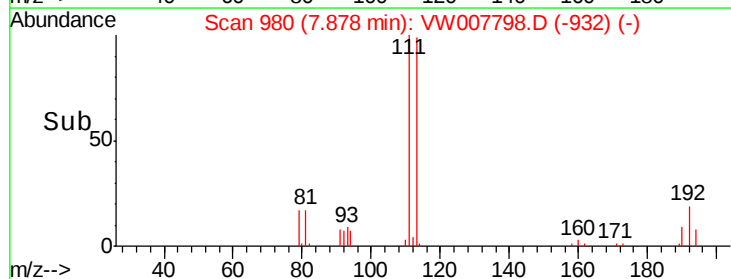
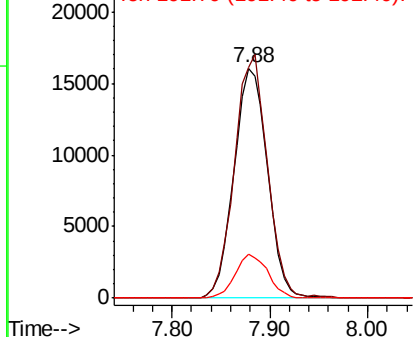


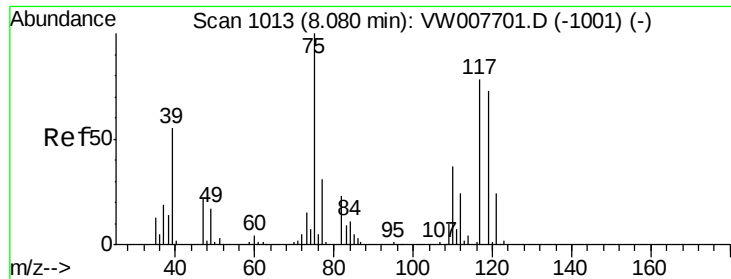
#35
 Dibromofluoromethane
 Concen: 49.177 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007798.D
 Acq: 21 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	18.5	15.5	23.3



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

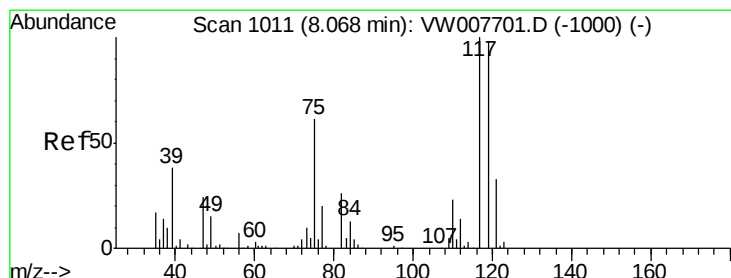
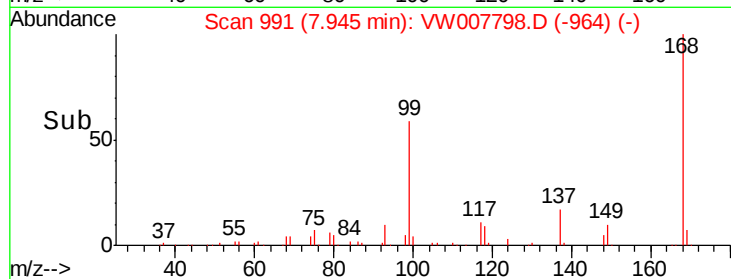
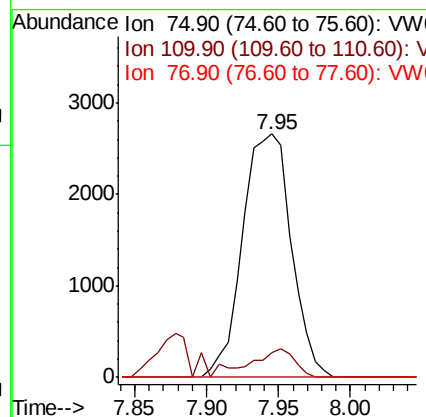
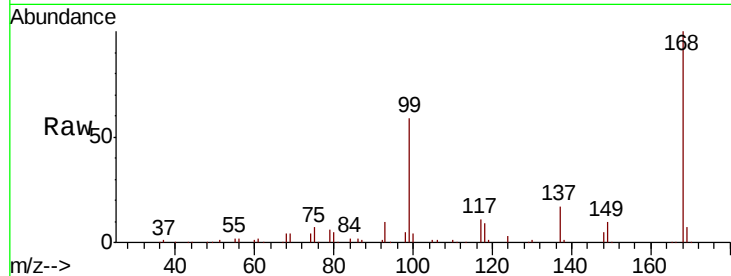




#36
 1,1-Dichloropropene
 Concen: 5.066 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007798.D
 Acq: 21 Dec 2018 16:38

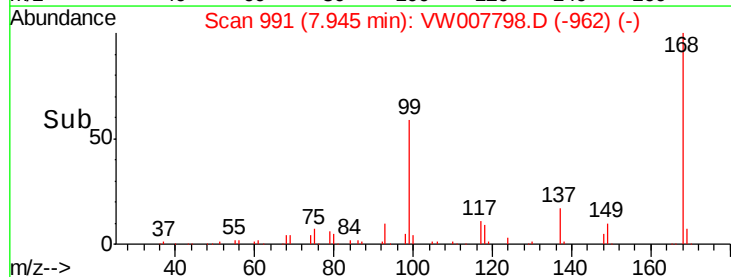
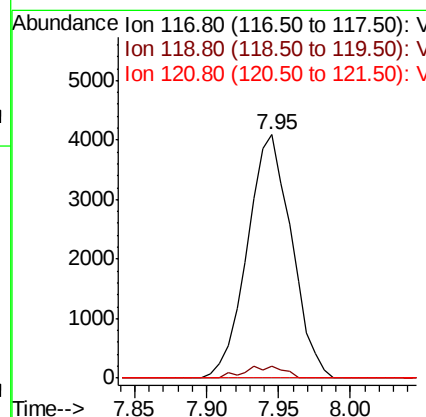
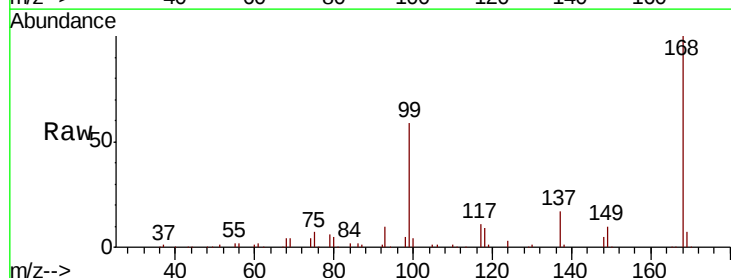
Instrument :
 MSVOA_W
 ClientSampleId :

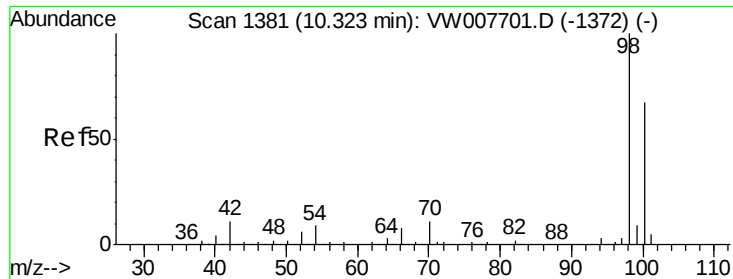
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.6	55.8#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.988 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007798.D
 Acq: 21 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.2	117.2#
121	0.0	26.1	39.1#





#50

Toluene-d8

Concen: 51.951 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

Instrument :

MSVOA_W

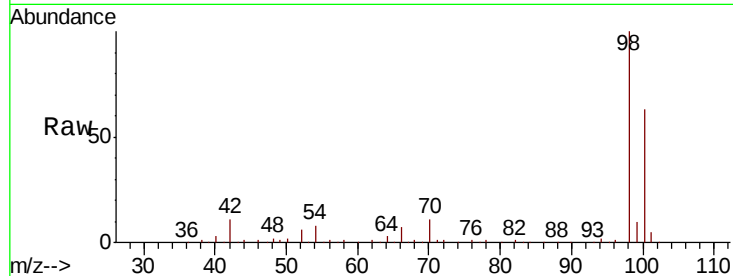
ClientSampleId :

Tot Ion: 98 Resp: 152378

Ion Ratio Lower Upper

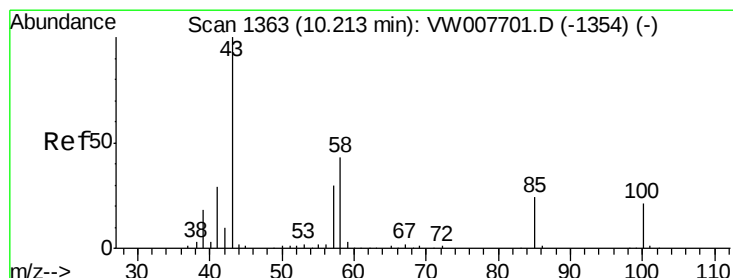
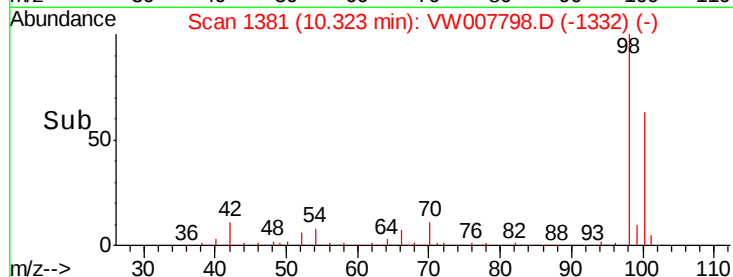
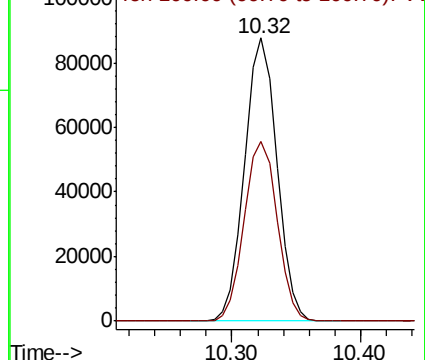
98 100

100 64.9 52.2 78.2



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: 1.017 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007798.D

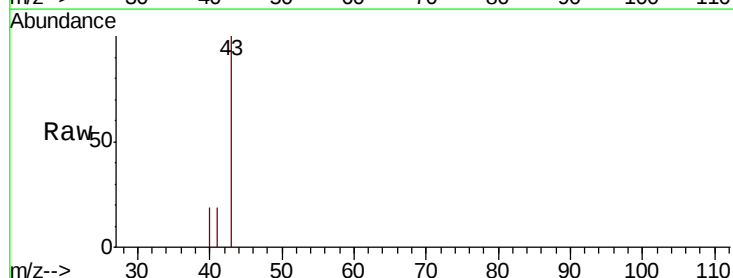
Acq: 21 Dec 2018 16:38

Tgt Ion: 43 Resp: 409

Ion Ratio Lower Upper

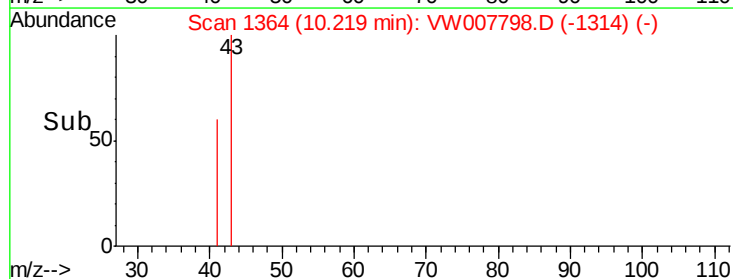
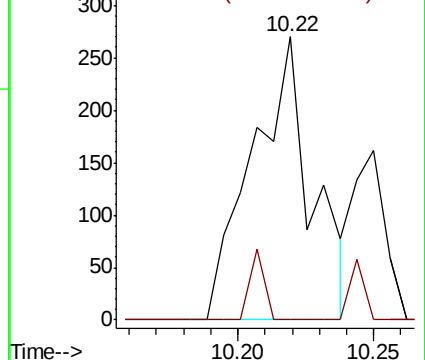
43 100

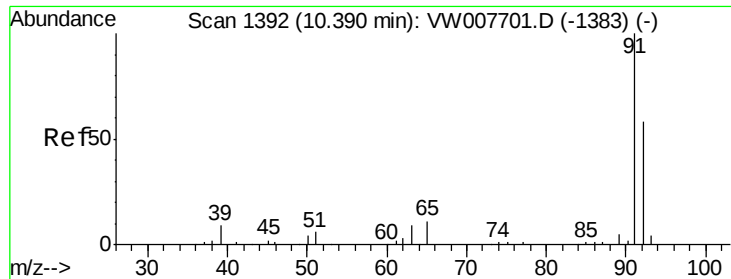
58 0.0 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 1.185 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

Instrument :

MSVOA_W

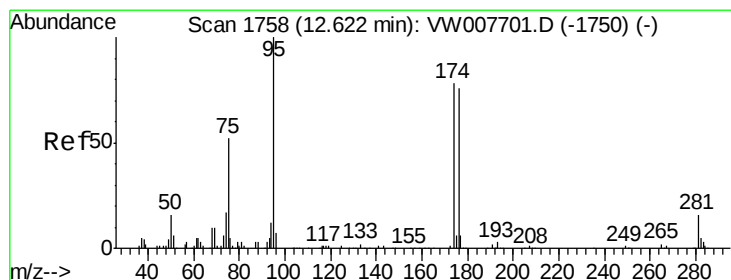
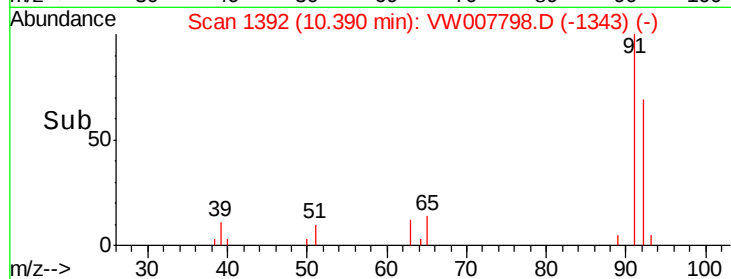
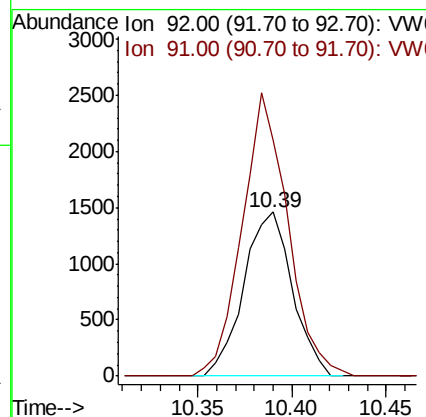
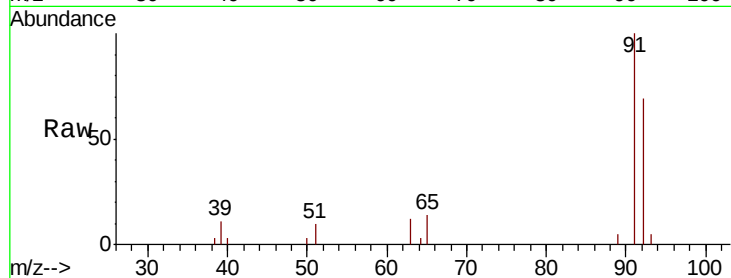
ClientSampleId :

Tot Ion: 92 Resp: 2612

Ion Ratio Lower Upper

92 100

91 161.7 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 52.324 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

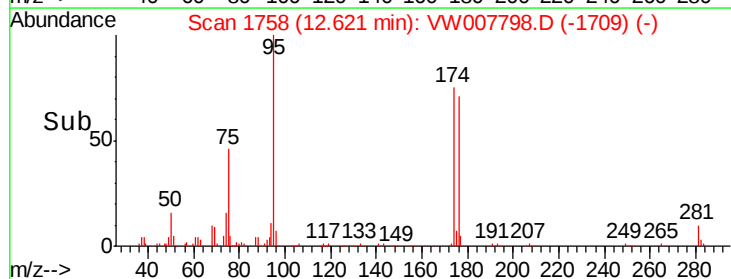
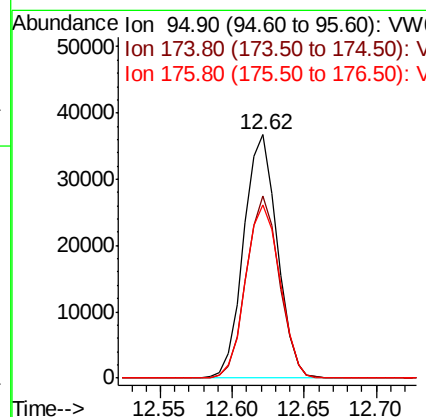
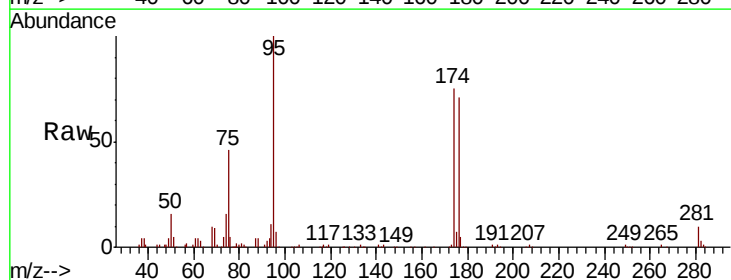
Tgt Ion: 95 Resp: 59289

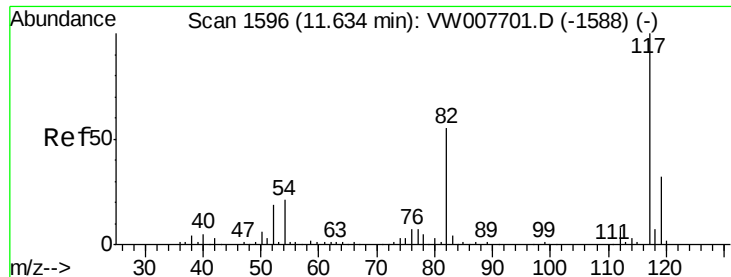
Ion Ratio Lower Upper

95 100

174 73.7 0.0 152.2

176 72.7 0.0 146.8

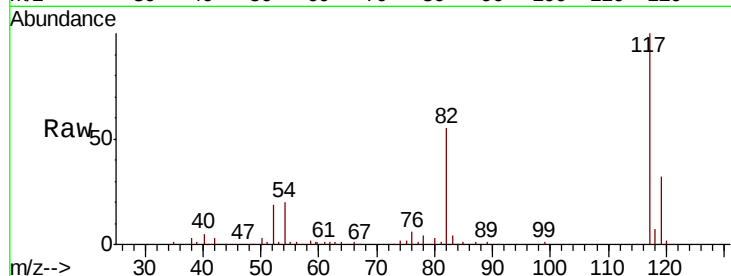




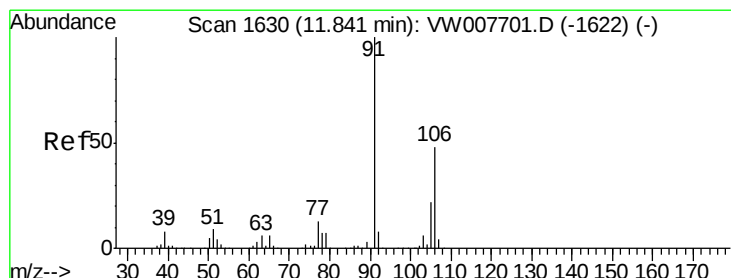
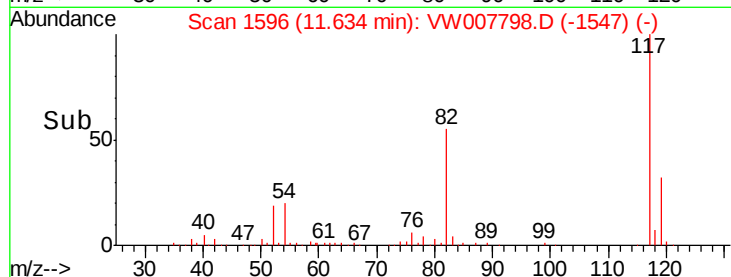
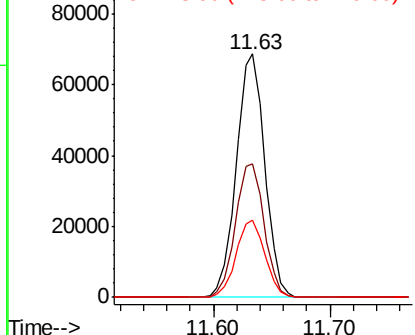
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007798.D
Acq: 21 Dec 2018 16:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 116864
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 31.6 25.7 38.5

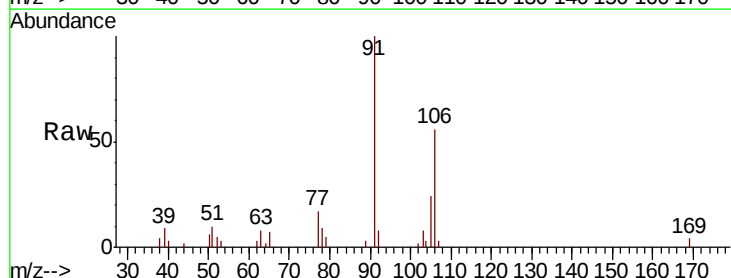


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

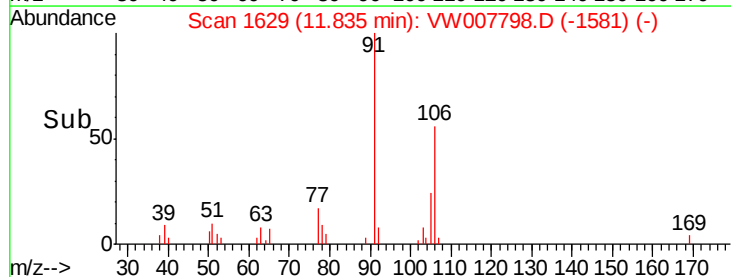
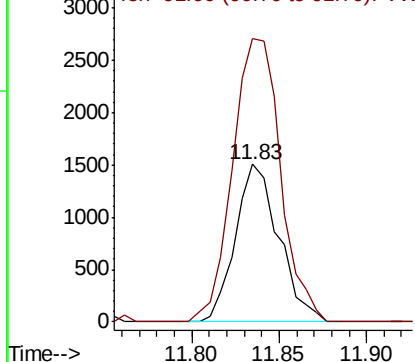


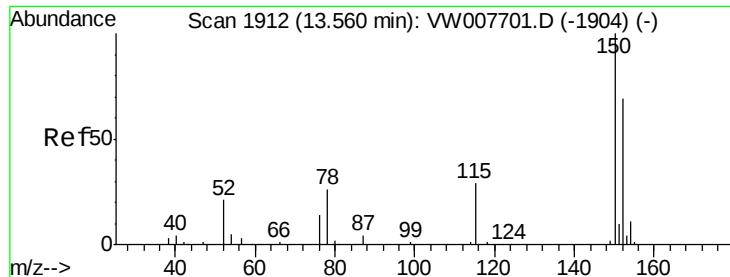
#68
m/p-Xylenes
Concen: 1.542 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007798.D
Acq: 21 Dec 2018 16:38

Tgt Ion:106 Resp: 2597
Ion Ratio Lower Upper
106 100
91 199.3 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

Instrument :

MSVOA_W

ClientSampleId :

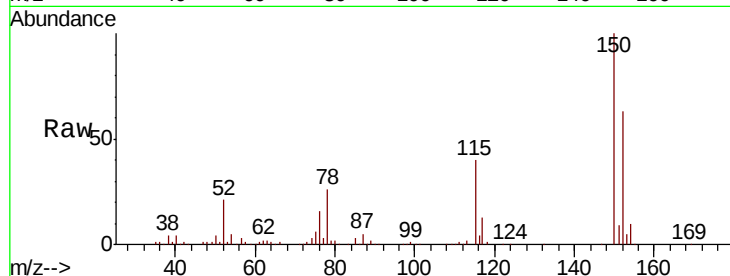
Tot Ion:152 Resp: 58220

Ion Ratio Lower Upper

152 100

115 64.4 31.8 95.4

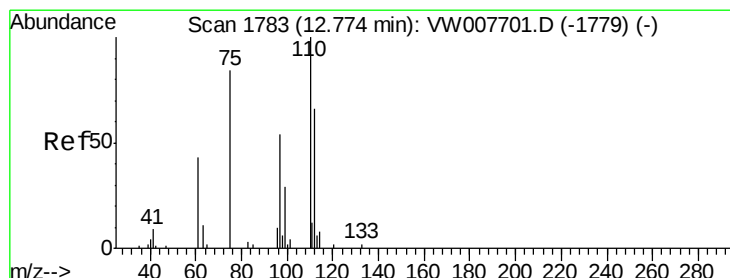
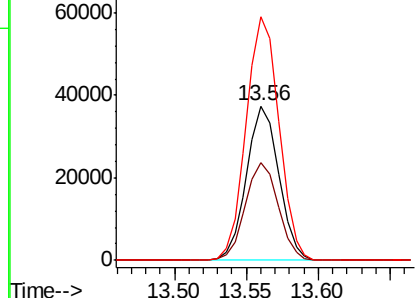
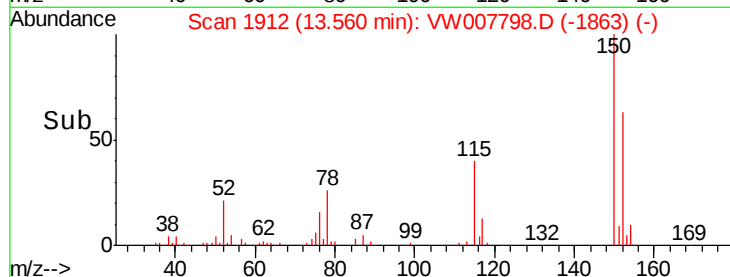
150 159.9 0.0 350.8



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: 65.511 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.16 min

Lab File: VW007798.D

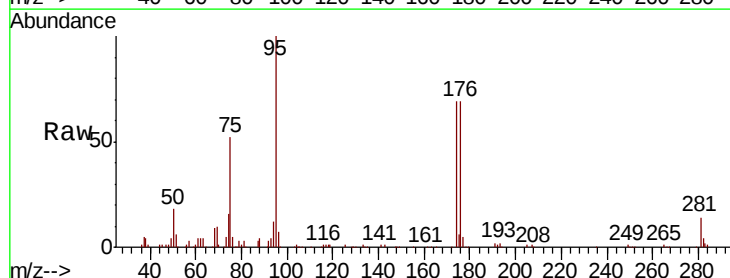
Acq: 21 Dec 2018 16:38

Tgt Ion: 75 Resp: 29479

Ion Ratio Lower Upper

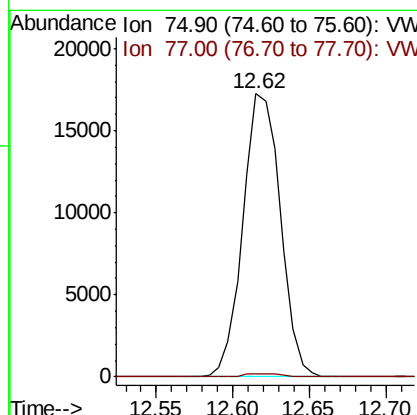
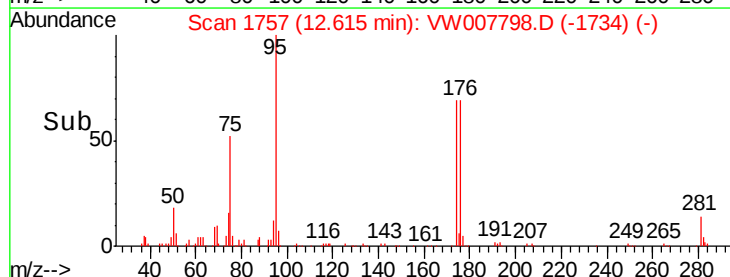
75 100

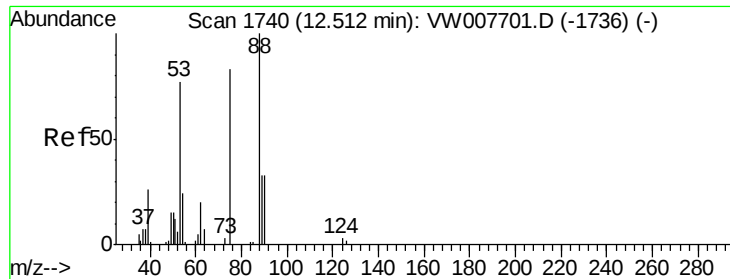
77 1.1 0.0 0.0#



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: 137.512 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

Instrument :

MSVOA_W

ClientSampleId :

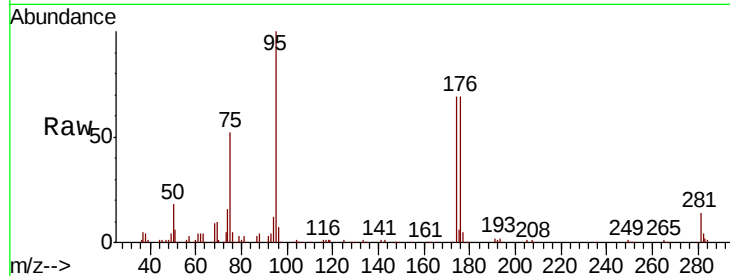
Tot Ion: 75 Resp: 29479

Ion Ratio Lower Upper

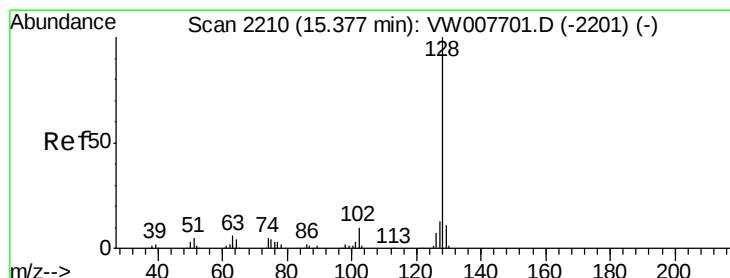
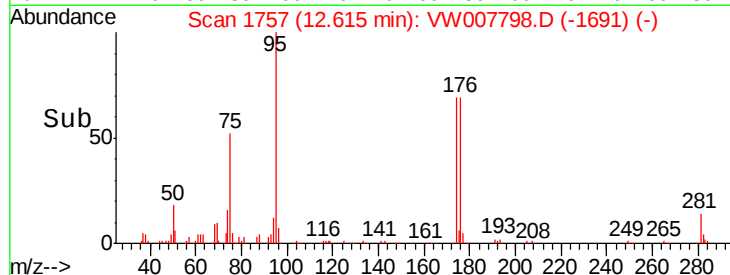
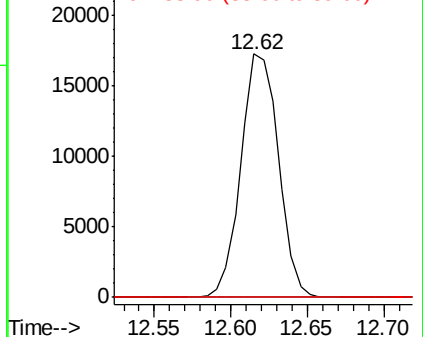
75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#



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



#95

Naphthalene

Concen: 1.340 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007798.D

Acq: 21 Dec 2018 16:38

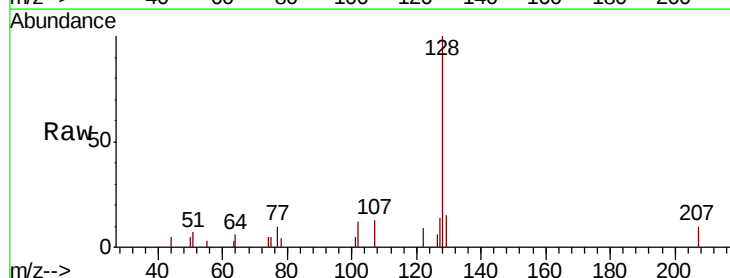
Tgt Ion:128 Resp: 3083

Ion Ratio Lower Upper

128 100

127 14.6 10.7 16.1

129 10.7 8.8 13.2



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

