

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122118\
 Data File : VW007743.D
 Acq On : 20 Dec 2018 12:25
 Operator : SY/AP
 Sample : J6386-11RE
 Misc : 5.89G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1218-01RE

Quant Time: Dec 20 13:10:43 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	50622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	93462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	70446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22197	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	32618	58.79	ug/l	0.00
Spiked Amount			Recovery	=	117.58%	
35) Dibromofluoromethane	7.88	113	28056	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.32	98	75916	35.32	ug/l	0.00
Spiked Amount			Recovery	=	70.64%	
62) 4-Bromofluorobenzene	12.62	95	22969	27.66	ug/l	0.00
Spiked Amount			Recovery	=	55.32%	

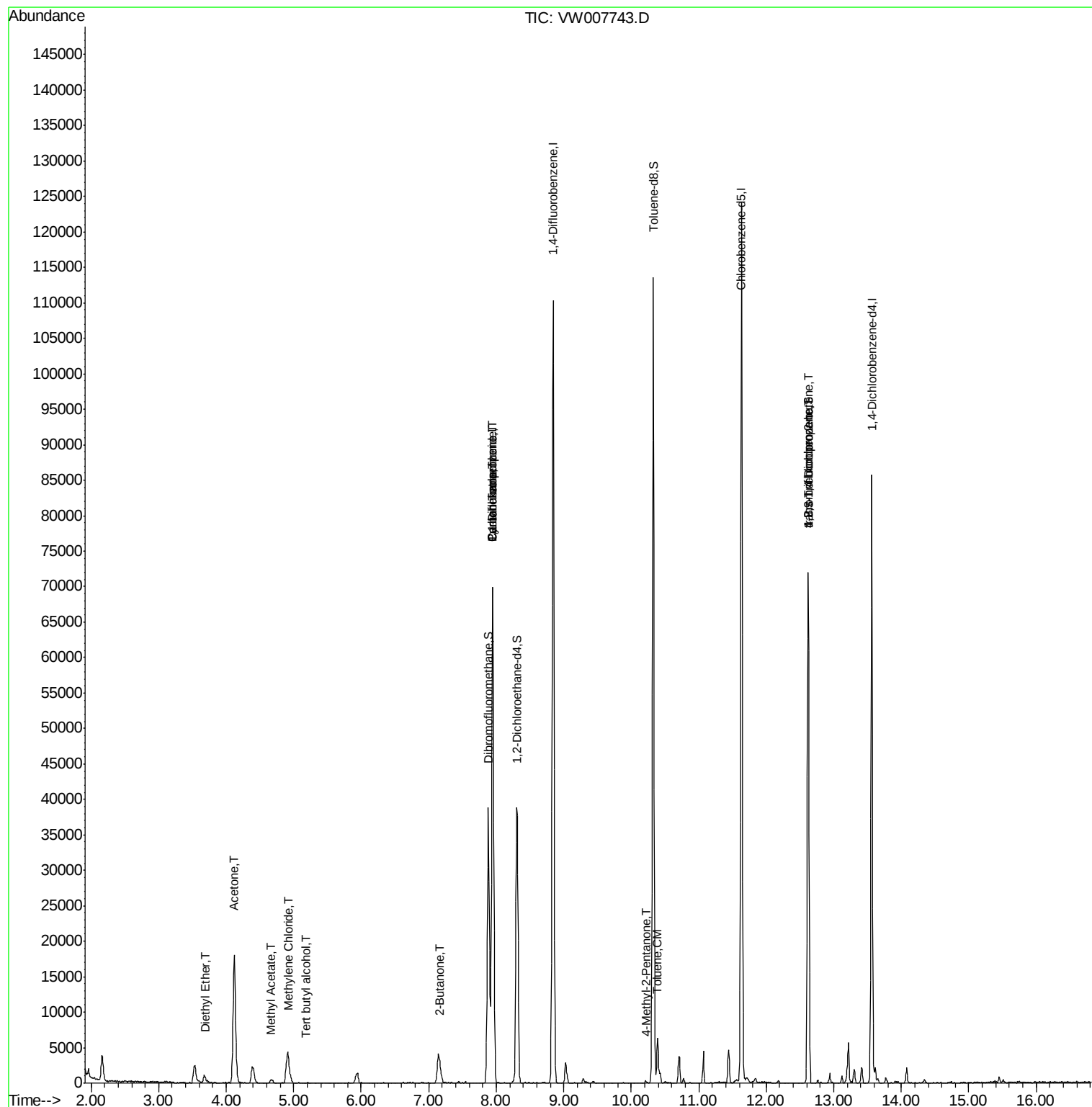
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	441	1.966	ug/l #	1
11) Tert butyl alcohol	5.18	59	44	1.176	ug/l #	73
16) Acetone	4.12	43	30399	292.582	ug/l	95
18) Methyl Acetate	4.67	43	535	2.165	ug/l	97
20) Methylene Chloride	4.92	84	3845	1.252	ug/l #	95
25) 2-Butanone	7.17	43	2071	17.018	ug/l	91
31) Cyclohexane	7.95	56	936	1.133	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	3950	4.379	ug/l #	49
38) Carbon Tetrachloride	7.95	117	5713	5.378	ug/l #	14
51) 4-Methyl-2-Pentanone	10.23	43	357	1.211	ug/l #	82
52) Toluene	10.39	92	3013	1.866	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	11712	68.267	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11712	143.297	ug/l #	9

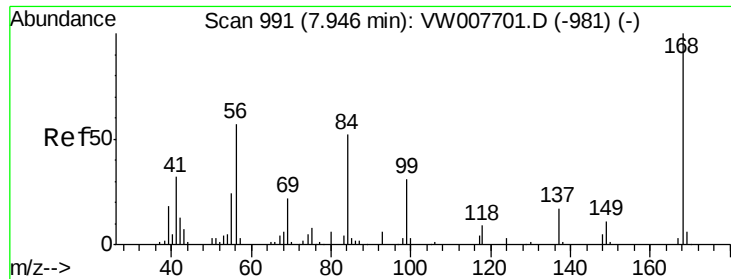
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122118\
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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: VW007743.D

Acq: 20 Dec 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

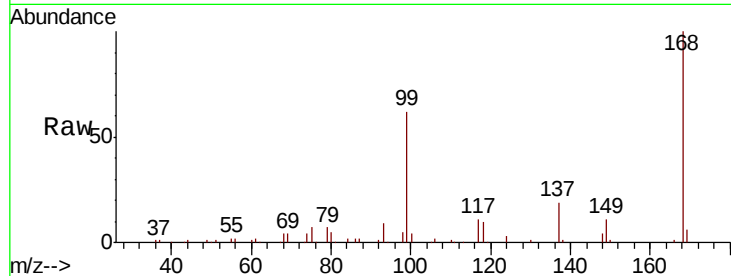
P001-SS006-1218-01RE

Tot Ion:168 Resp: 50622

Ion Ratio Lower Upper

168 100

99 62.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

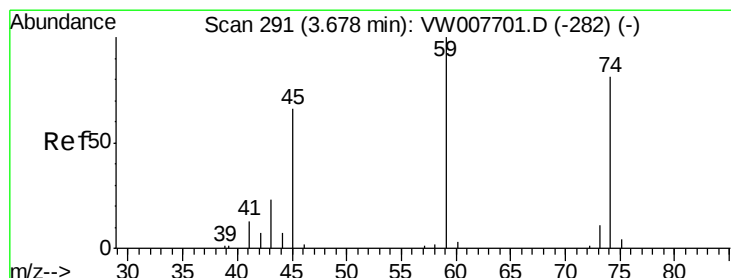
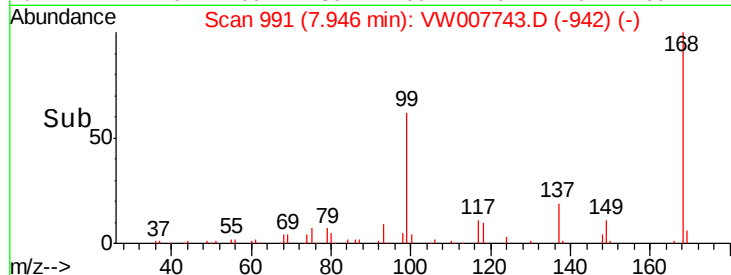
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.966 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW007743.D

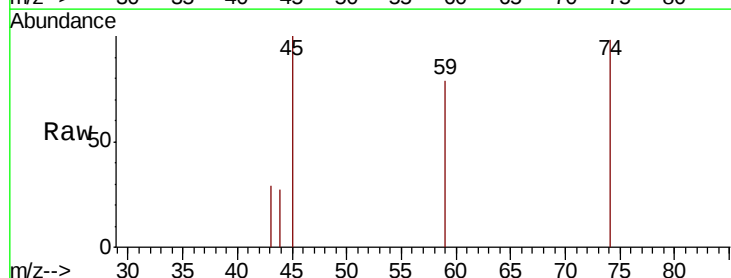
Acq: 20 Dec 2018 12:25

Tgt Ion: 74 Resp: 441

Ion Ratio Lower Upper

74 100

45 185.0 39.4 118.1#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

300

250

200

150

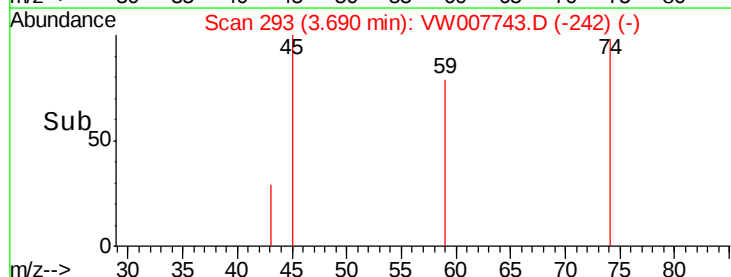
100

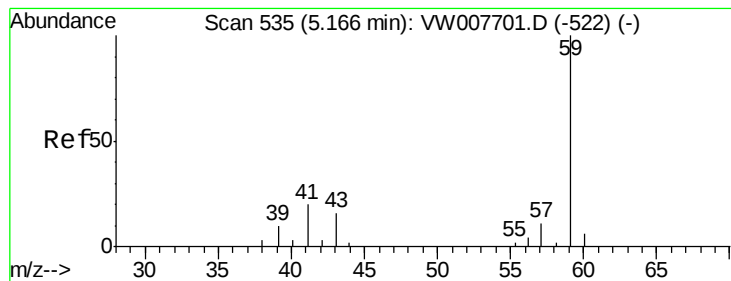
50

0

3.65 3.69 3.70 3.75

Time-->



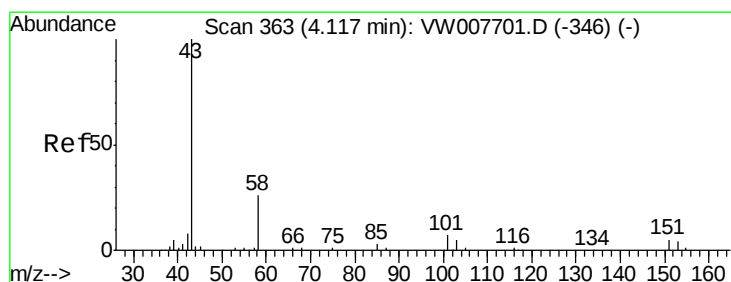
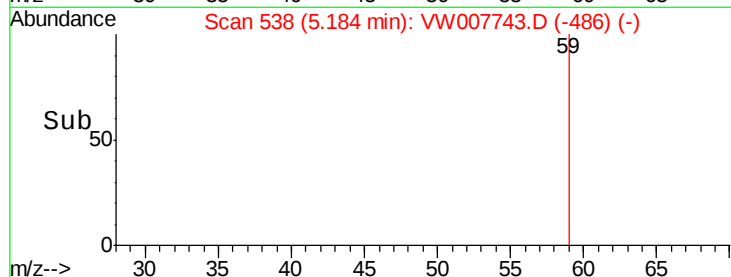
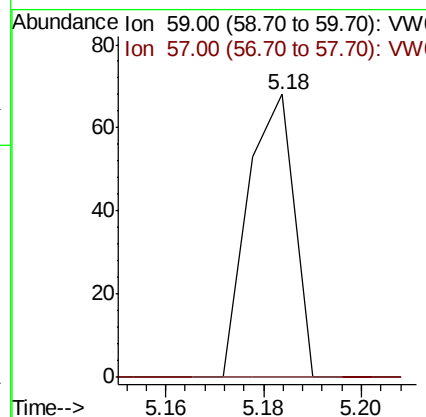
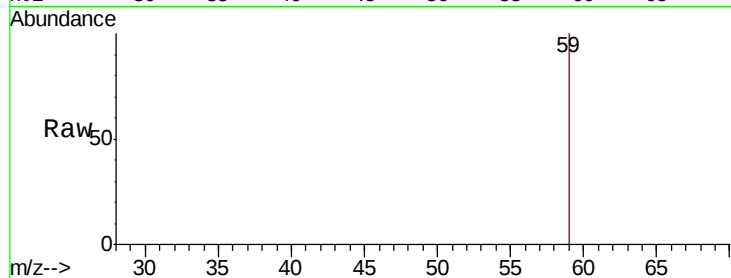


#11

Tert butyl alcohol
 Concen: 1.176 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW007743.D
 Acq: 20 Dec 2018 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1218-01RE

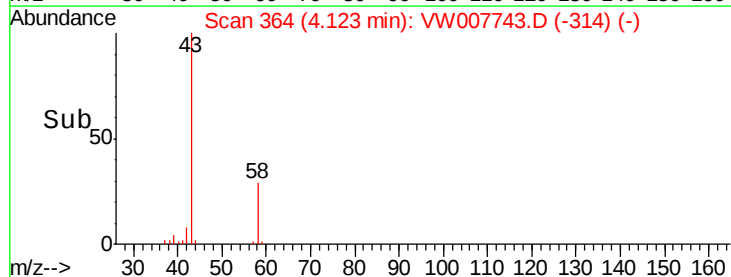
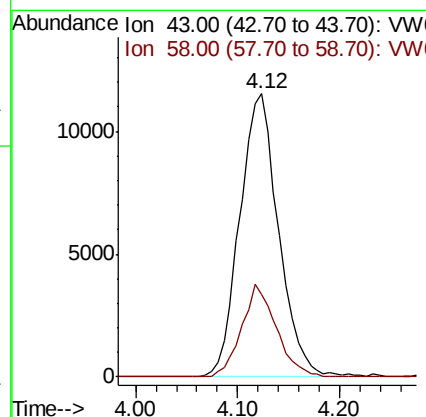
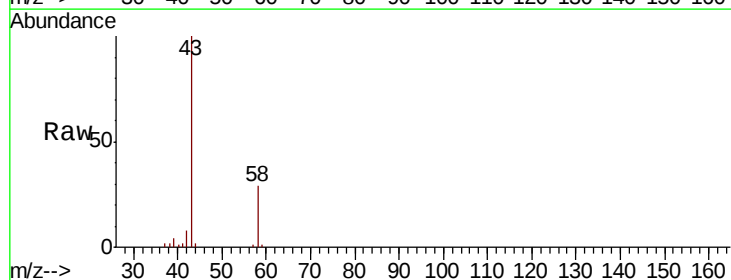
Tot Ion: 59 Resp: 44
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

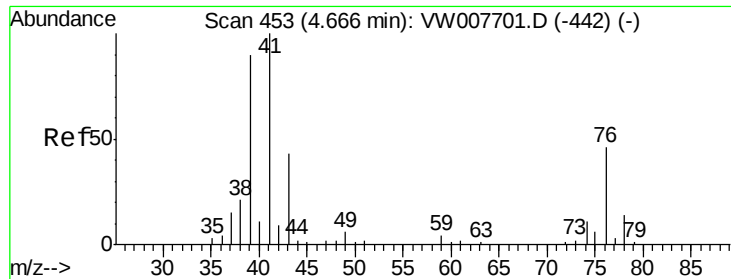


#16

Acetone
 Concen: 292.582 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW007743.D
 Acq: 20 Dec 2018 12:25

Tgt Ion: 43 Resp: 30399
 Ion Ratio Lower Upper
 43 100
 58 29.1 21.2 31.8

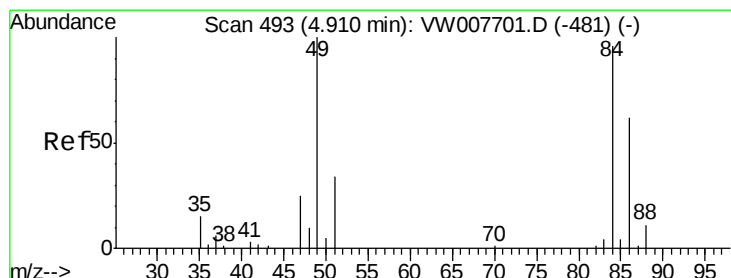
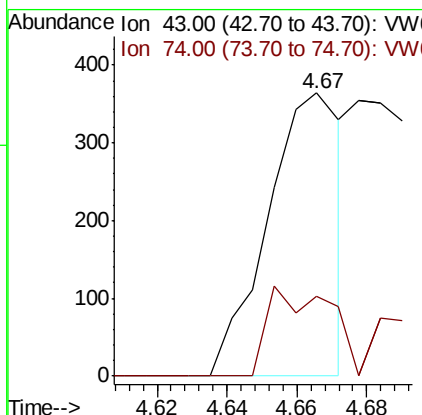
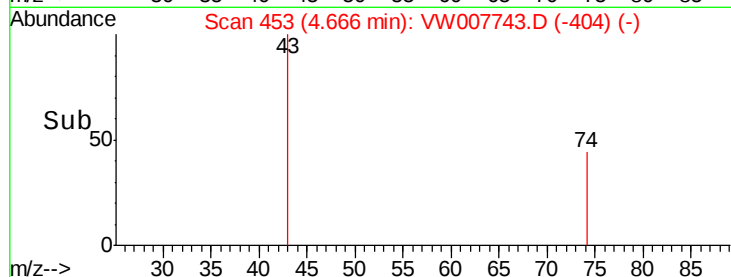
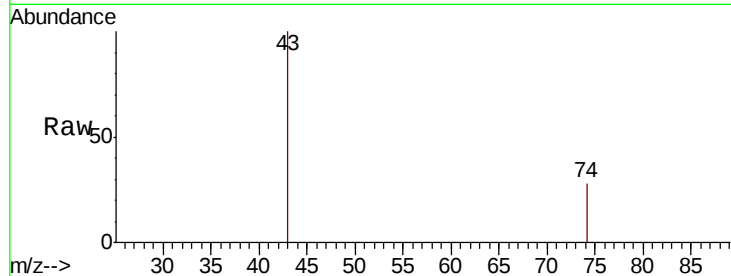




#18
Methyl Acetate
Concen: 2.165 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007743.D
Acq: 20 Dec 2018 12:25

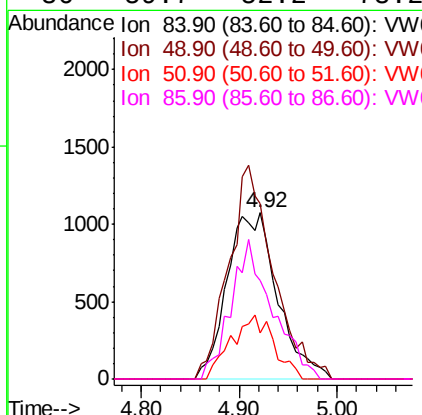
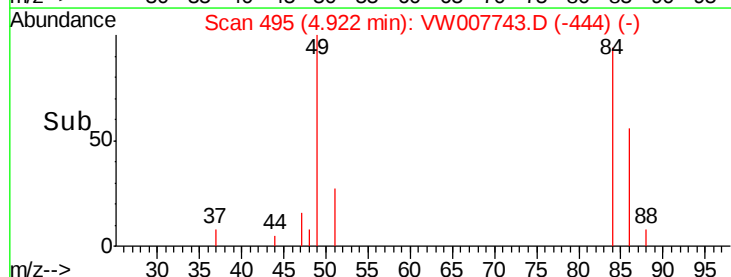
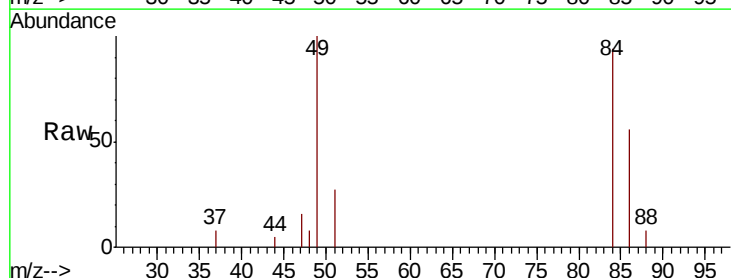
Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1218-01RE

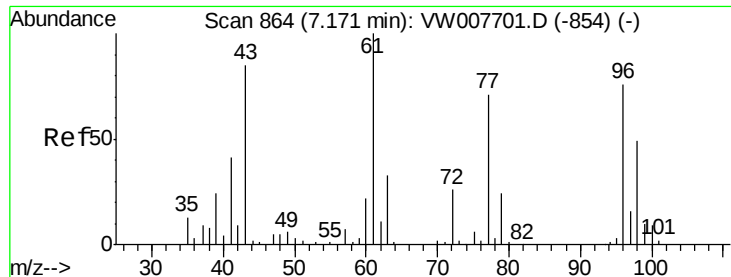
Tot Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
74 26.7 22.7 34.1



#20
Methylene Chloride
Concen: 1.252 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW007743.D
Acq: 20 Dec 2018 12:25

Tgt Ion: 84 Resp: 3845
Ion Ratio Lower Upper
84 100
49 106.0 83.7 125.5
51 28.1 28.2 42.2#
86 59.7 52.2 78.2

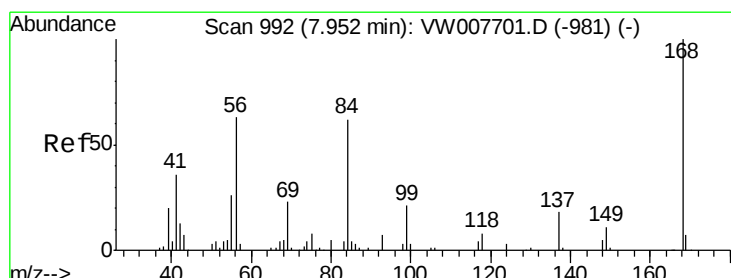
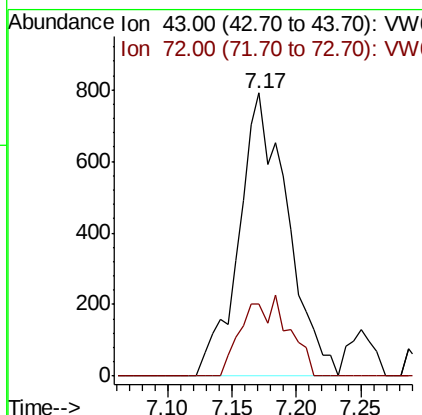
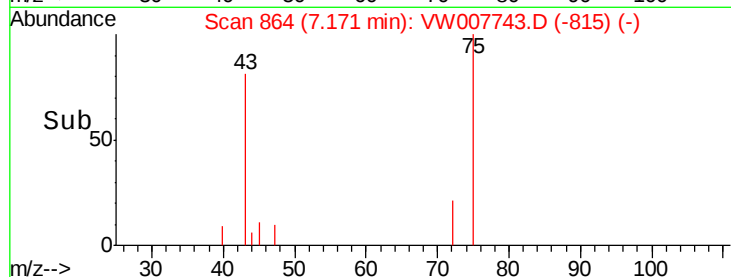
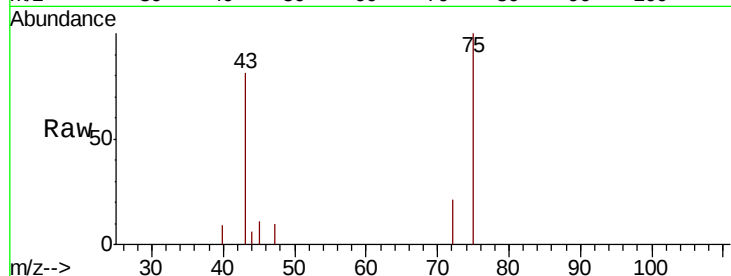




#25
2-Butanone
Concen: 17.018 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007743.D
Acq: 20 Dec 2018 12:25

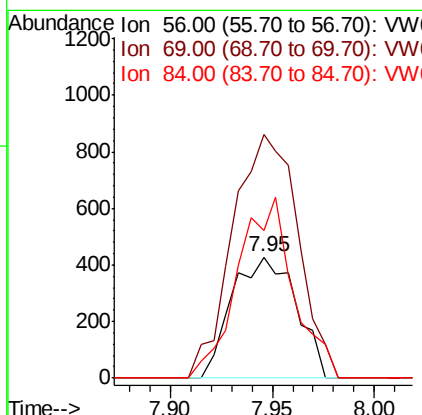
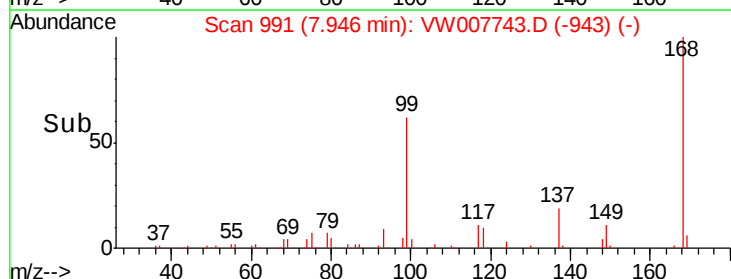
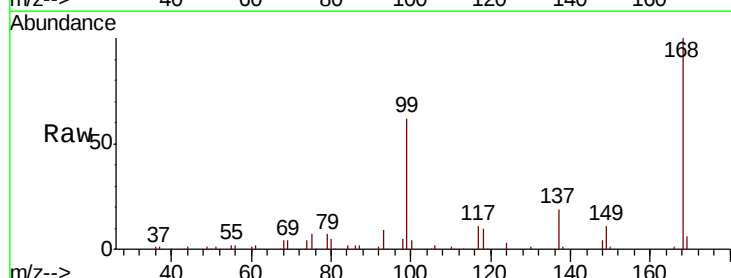
Instrument :
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P001-SS006-1218-01RE

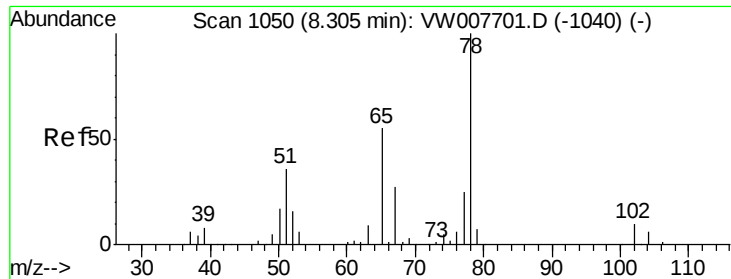
Tot Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
72 25.5 24.5 36.7



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007743.D
Acq: 20 Dec 2018 12:25

Tgt Ion: 56 Resp: 936
Ion Ratio Lower Upper
56 100
69 201.2 29.7 44.5#
84 122.4 78.9 118.3#

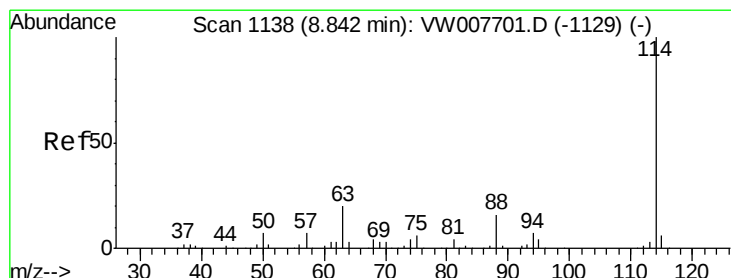
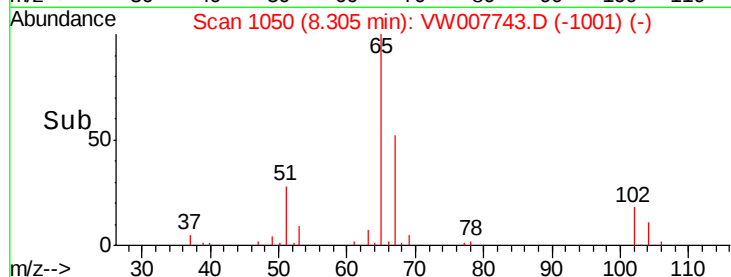
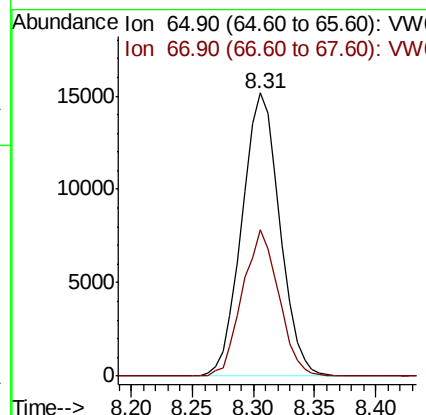
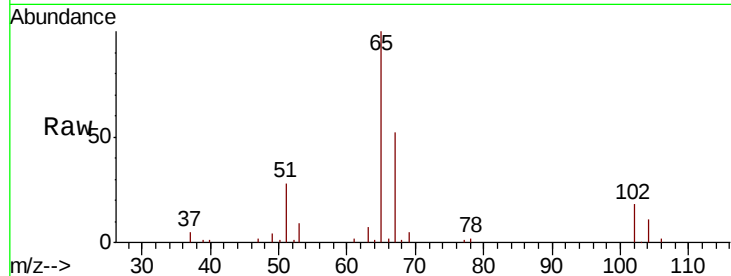




#33
 1,2-Dichloroethane-d4
 Concen: 58.788 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007743.D
 Acq: 20 Dec 2018 12:25

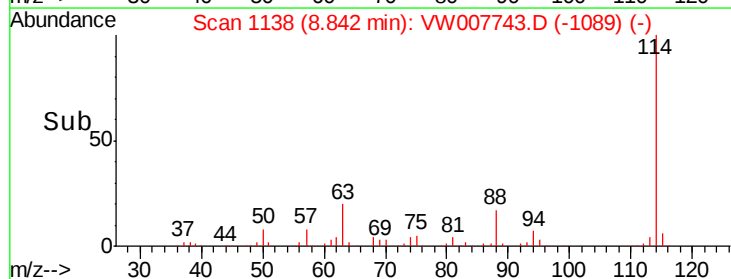
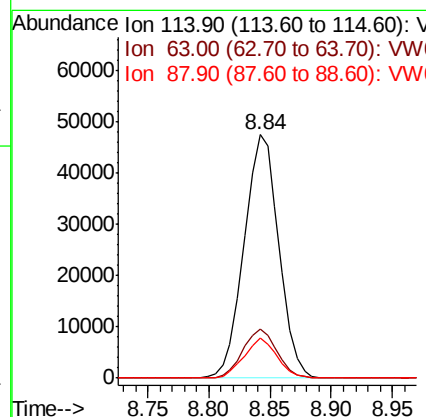
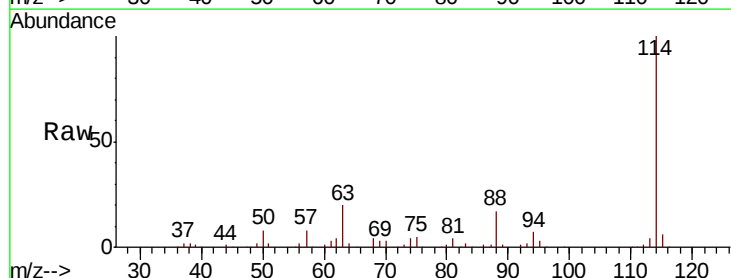
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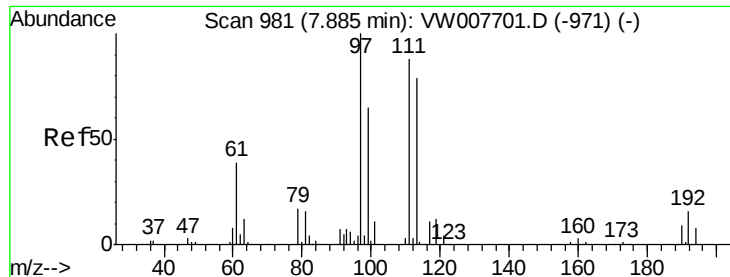
Tot Ion: 65 Resp: 32618
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007743.D
 Acq: 20 Dec 2018 12:25

Tgt Ion: 114 Resp: 93462
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 16.5 0.0 32.6

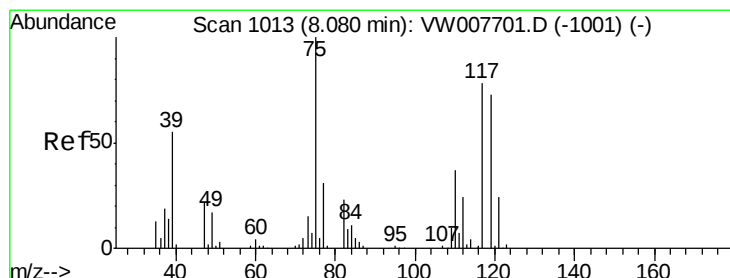
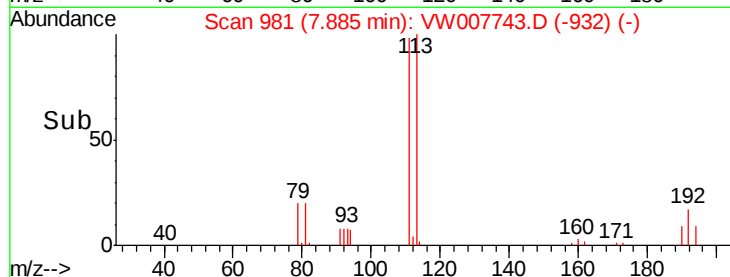
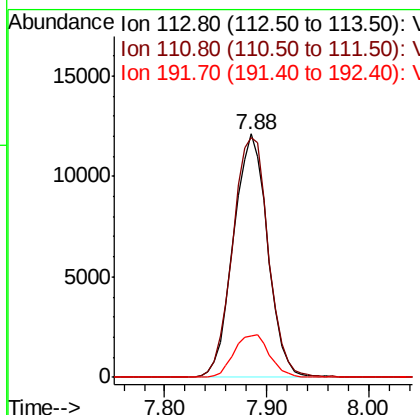
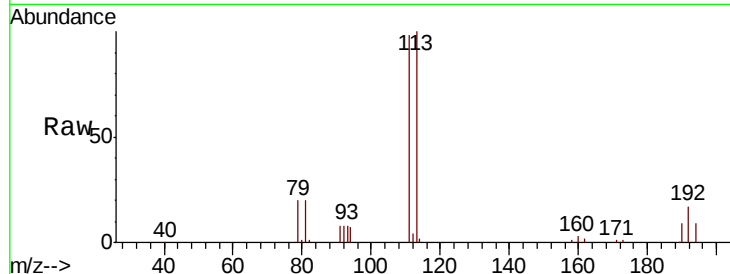




#35
 Dibromofluoromethane
 Concen: 49.207 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007743.D
 Acq: 20 Dec 2018 12:25

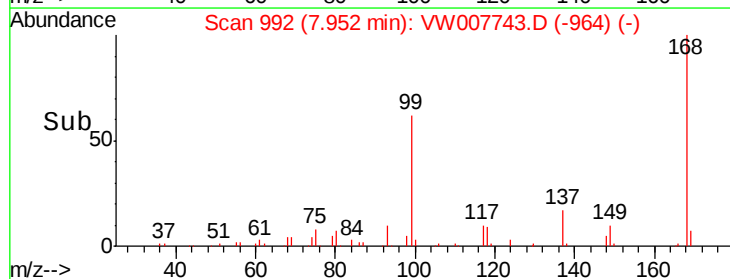
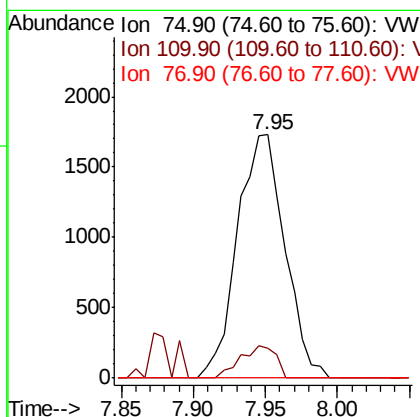
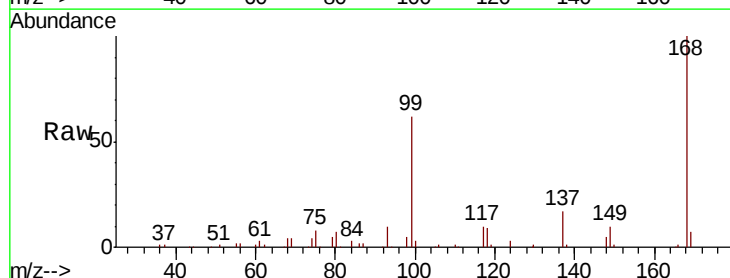
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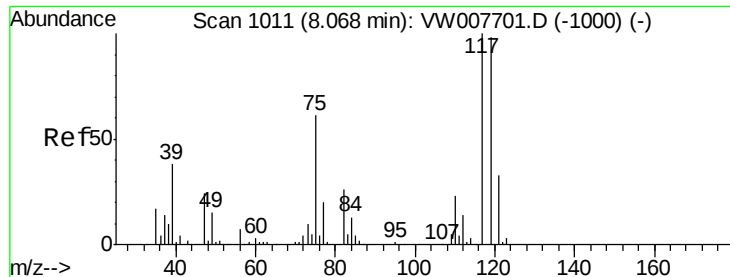
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	18.2	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.379 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007743.D
 Acq: 20 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.6	55.8#
77	0.0	25.0	37.4#

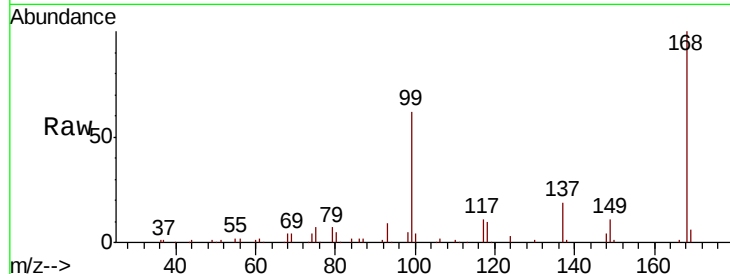




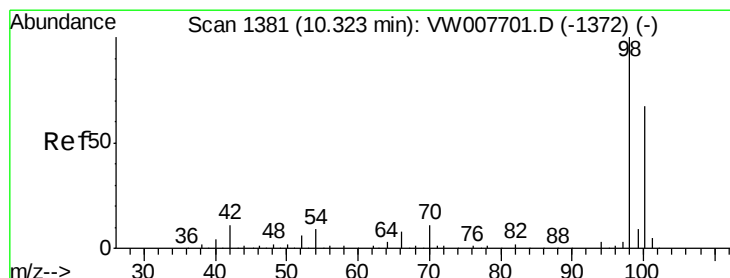
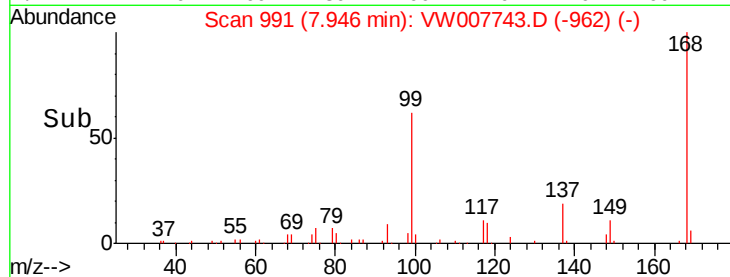
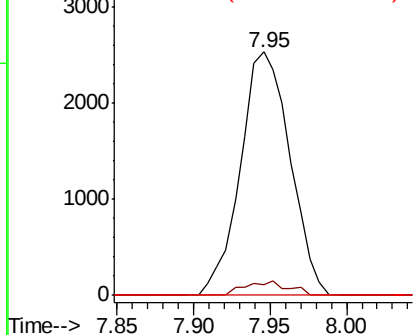
#38
Carbon Tetrachloride
Concen: 5.378 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007743.D
Acq: 20 Dec 2018 12:25

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1218-01RE

Tot Ion:117 Resp: 5713
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 26.1 39.1#

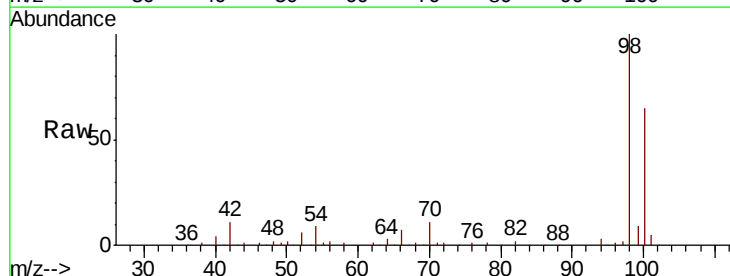


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

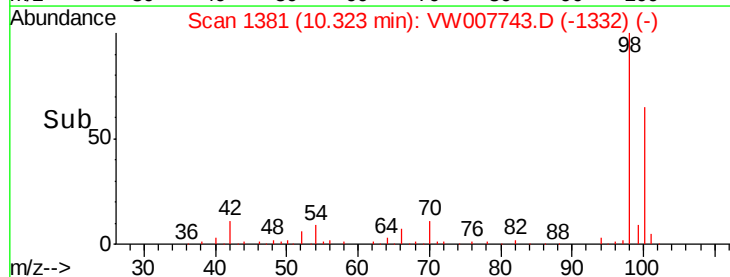
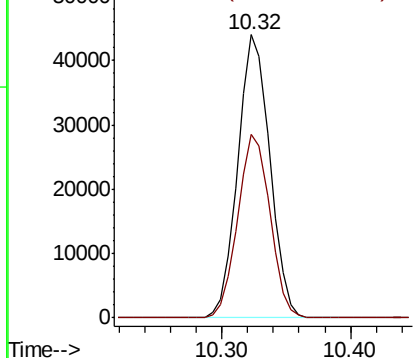


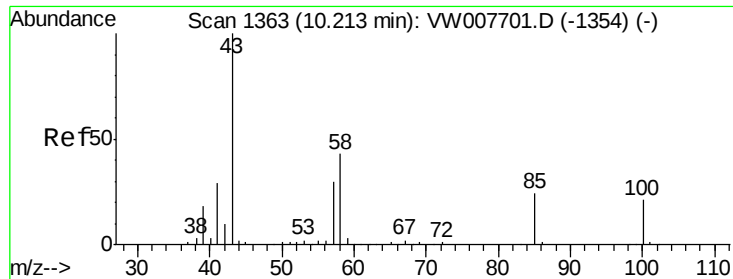
#50
Toluene-d8
Concen: 35.319 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007743.D
Acq: 20 Dec 2018 12:25

Tgt Ion: 98 Resp: 75916
Ion Ratio Lower Upper
98 100
100 65.3 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: 1.211 ug/l

RT: 10.23 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VW007743.D

Acq: 20 Dec 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

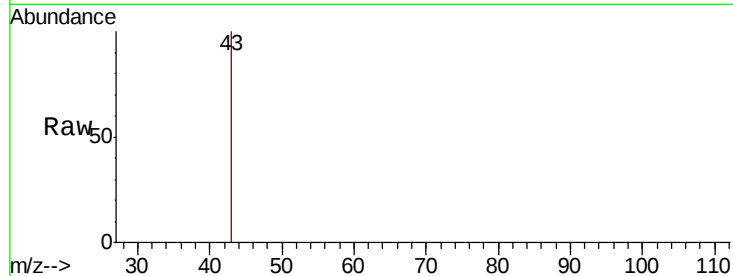
P001-SS006-1218-01RE

Tot Ion: 43 Resp: 357

Ion Ratio Lower Upper

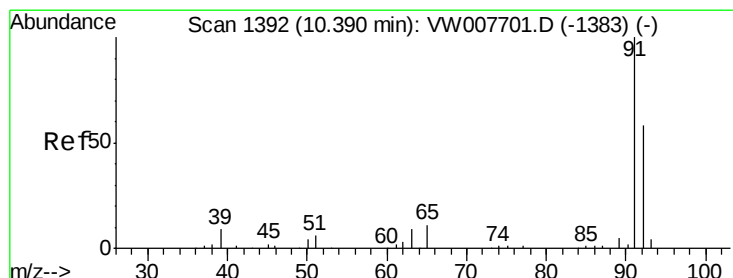
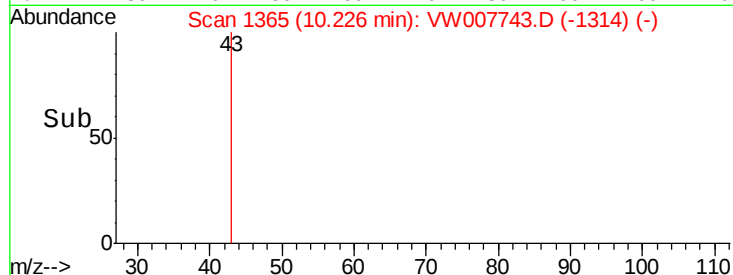
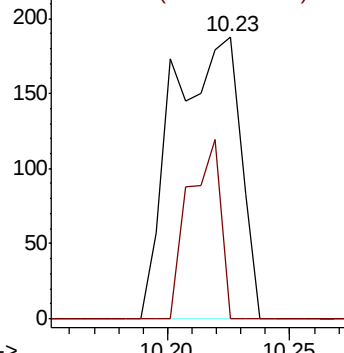
43 100

58 30.3 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: 1.866 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007743.D

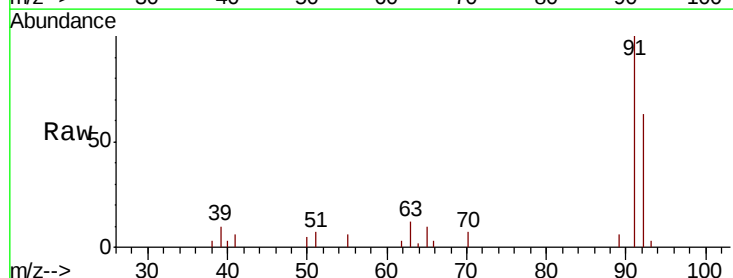
Acq: 20 Dec 2018 12:25

Tgt Ion: 92 Resp: 3013

Ion Ratio Lower Upper

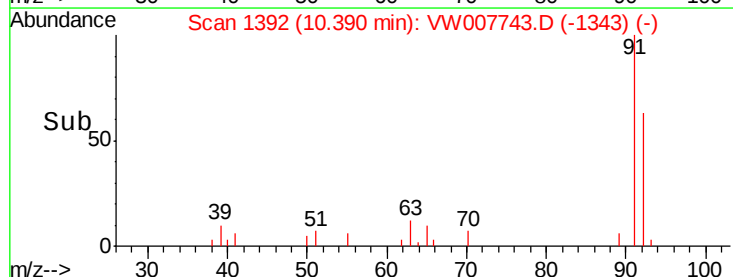
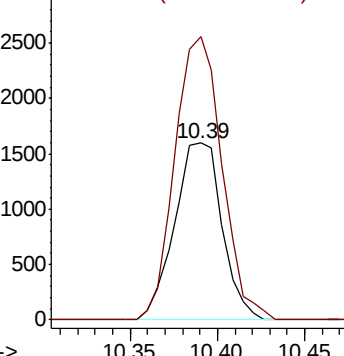
92 100

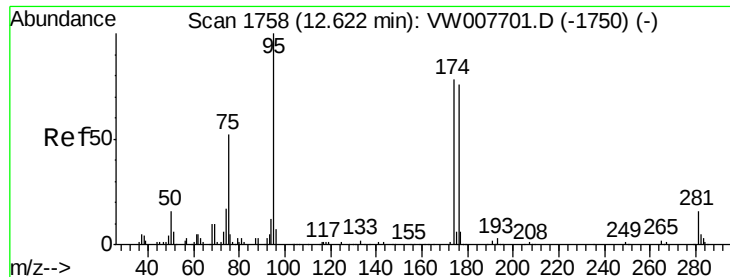
91 158.8 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 27.661 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007743.D

Acq: 20 Dec 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1218-01RE

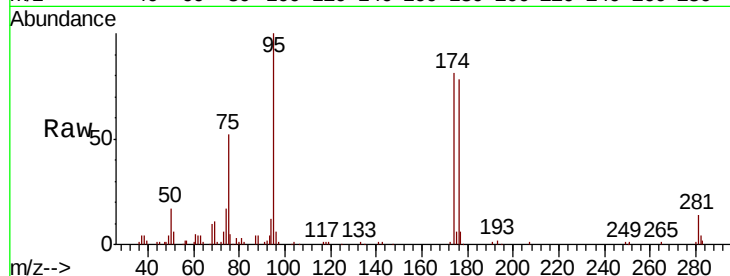
Tot Ion: 95 Resp: 22969

Ion Ratio Lower Upper

95 100

174 77.5 0.0 152.2

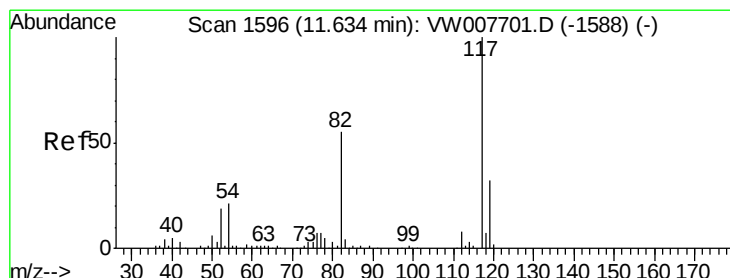
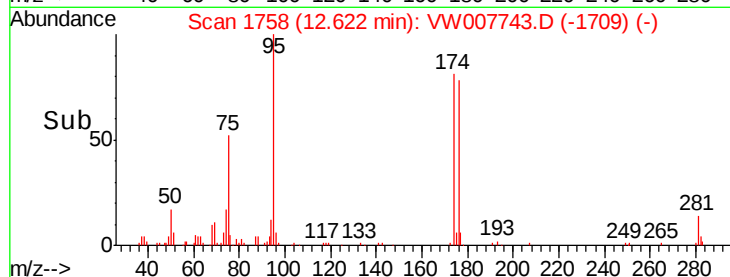
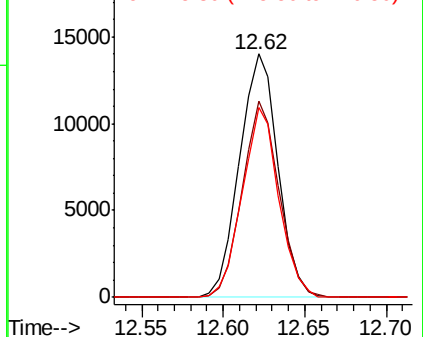
176 74.2 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007743.D

Acq: 20 Dec 2018 12:25

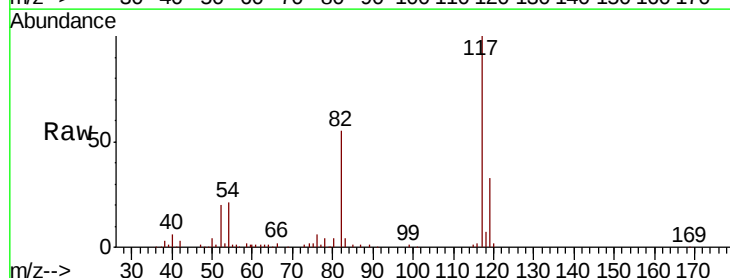
Tgt Ion: 117 Resp: 70446

Ion Ratio Lower Upper

117 100

82 55.1 44.3 66.5

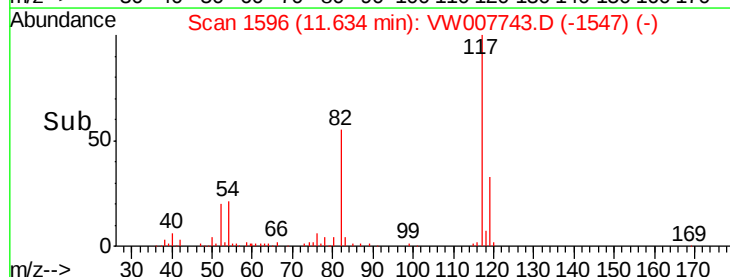
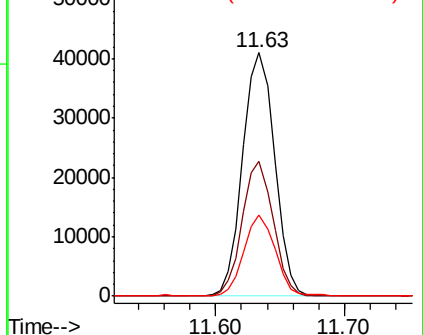
119 33.3 25.7 38.5

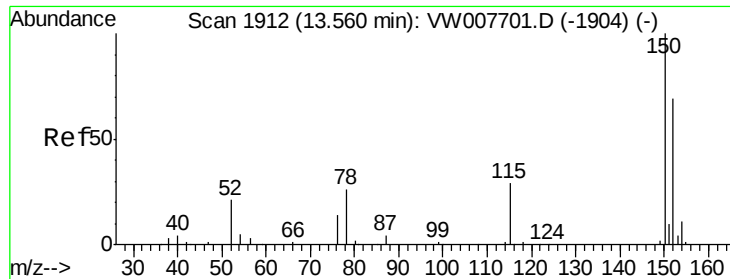


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): 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: VW007743.D

Acq: 20 Dec 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1218-01RE

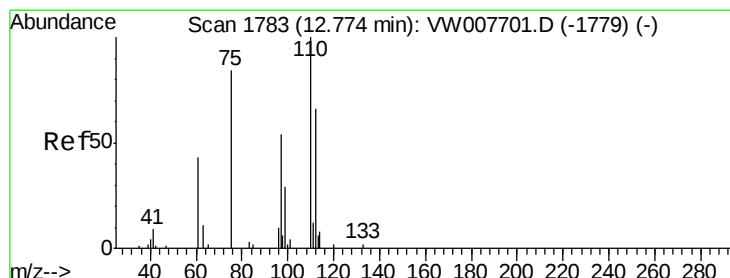
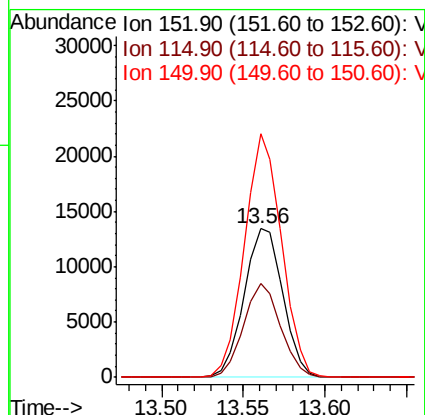
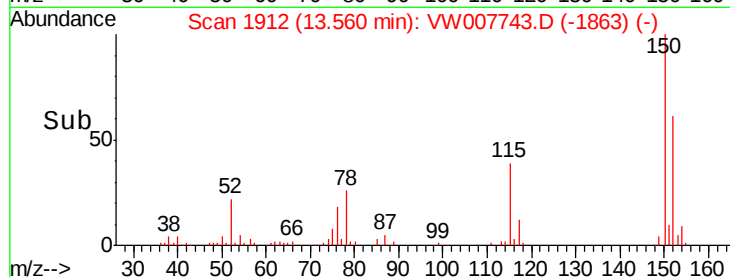
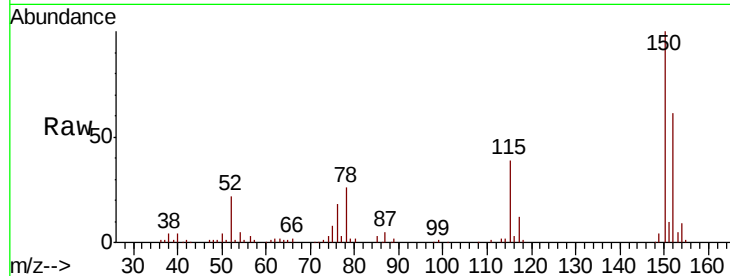
Tot Ion:152 Resp: 22197

Ion Ratio Lower Upper

152 100

115 60.8 31.8 95.4

150 156.7 0.0 350.8



#76

1,2,3-Trichloropropane

Concen: 68.267 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007743.D

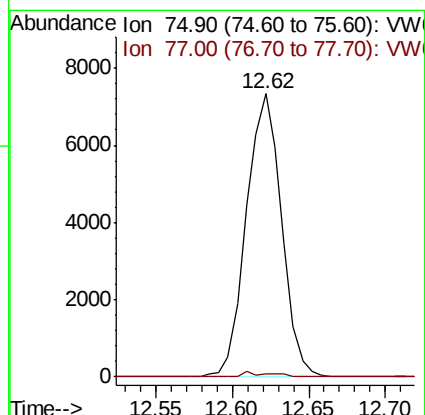
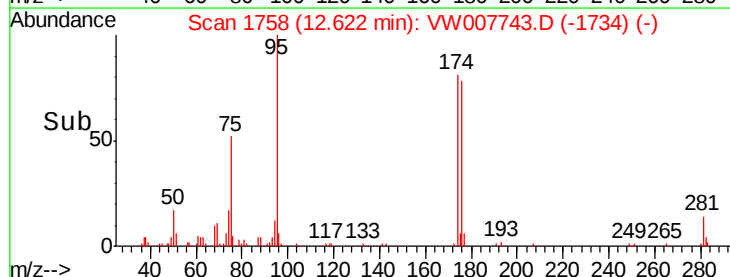
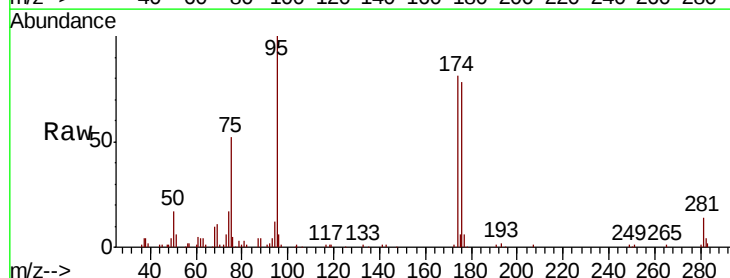
Acq: 20 Dec 2018 12:25

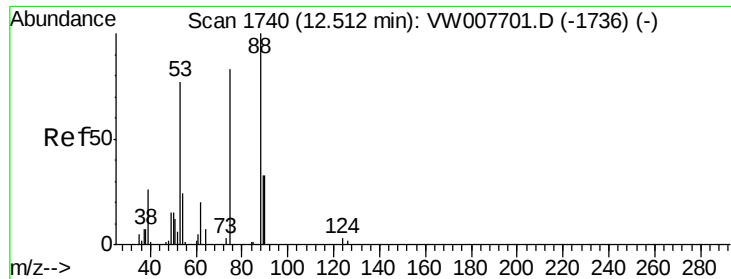
Tgt Ion: 75 Resp: 11712

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 143.297 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007743.D

Acq: 20 Dec 2018 12:25

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1218-01RE

Tot Ion: 75 Resp: 11712

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

