

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007739.D
 Acq On : 20 Dec 2018 10:42
 Operator : SY/AP
 Sample : J6386-07RE
 Misc : 6.00G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS005-1218-01RE

Quant Time: Dec 20 11:39:59 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	37158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	63910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27384	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	23467	57.62	ug/l	0.00
Spiked Amount			Recovery	=	115.24%	
35) Dibromofluoromethane	7.88	113	20223	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	10.32	98	63304	39.16	ug/l	0.00
Spiked Amount			Recovery	=	78.32%	
62) 4-Bromofluorobenzene	12.62	95	22493	36.01	ug/l	0.00
Spiked Amount			Recovery	=	72.02%	

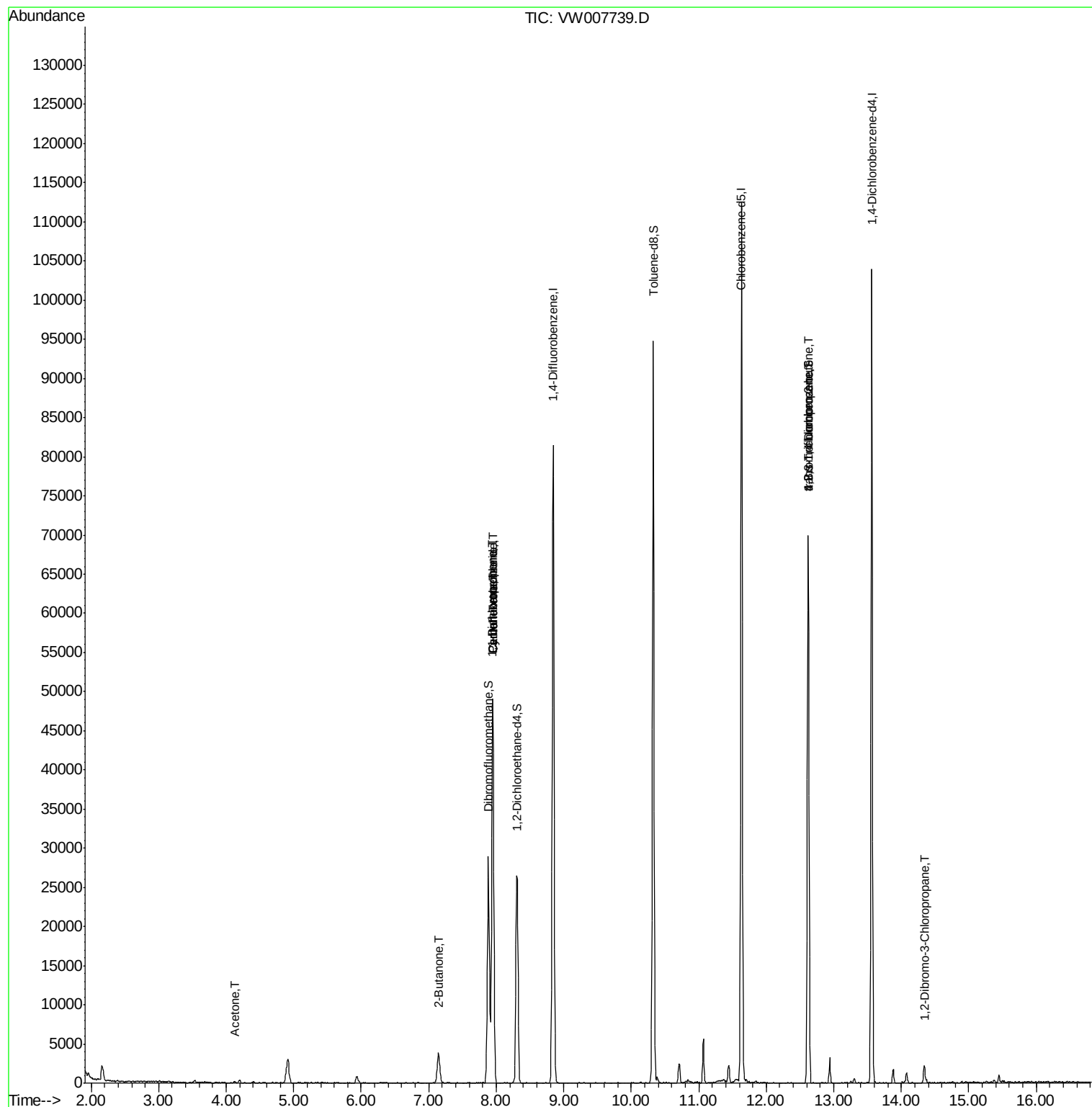
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	427	5.599	ug/l #	48
20) Methylene Chloride	4.92	84	2337	Below Cal		90
25) 2-Butanone	7.14	43	159	1.780	ug/l #	44
31) Cyclohexane	7.95	56	748	1.234	ug/l #	31
36) 1,1-Dichloropropene	7.94	75	2840	4.186	ug/l #	48
38) Carbon Tetrachloride	7.95	117	3881	4.857	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	11603	54.821	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11603	115.073	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.34	75	74	1.161	ug/l #	3

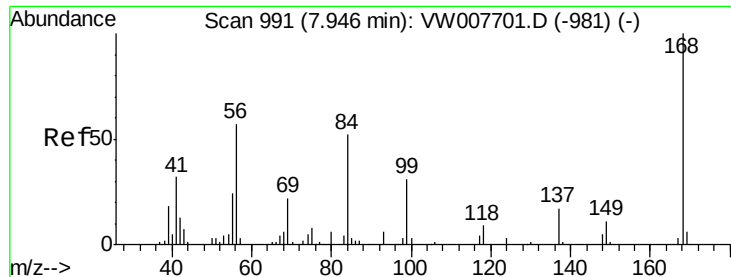
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 992

Delta R.T. 0.01 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

MSVOA_W

ClientSampleId :

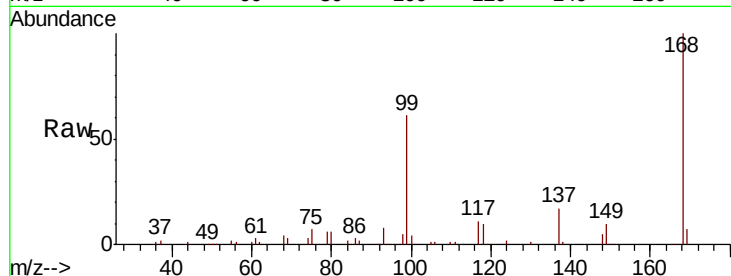
P001-SS005-1218-01RE

Tot Ion:168 Resp: 37158

Ion Ratio Lower Upper

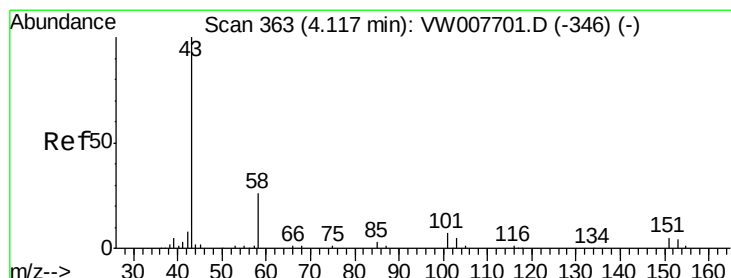
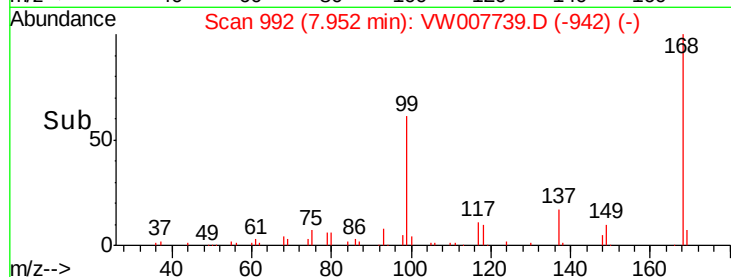
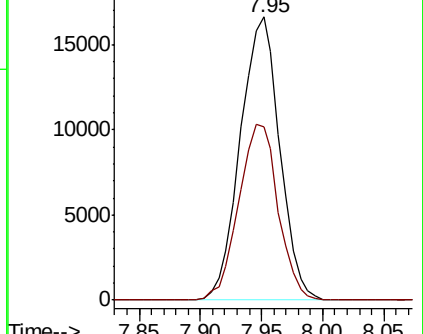
168 100

99 61.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 5.599 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007739.D

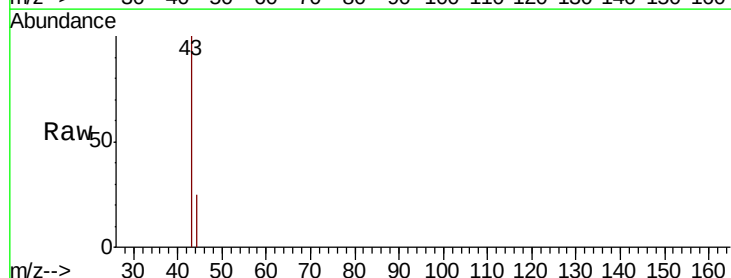
Acq: 20 Dec 2018 10:42

Tgt Ion: 43 Resp: 427

Ion Ratio Lower Upper

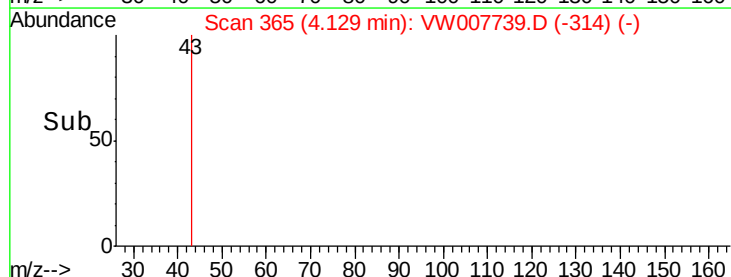
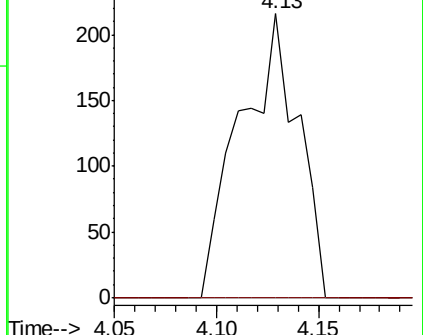
43 100

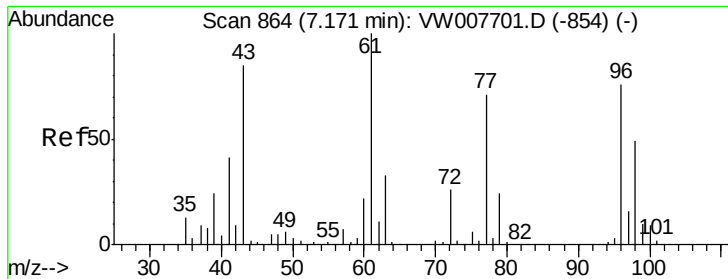
58 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 1.780 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

MSVOA_W

ClientSampleId :

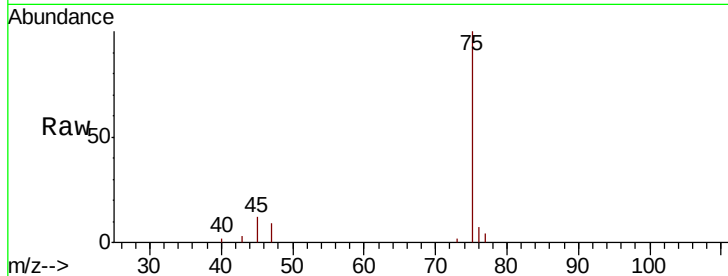
P001-SS005-1218-01RE

Tot Ion: 43 Resp: 159

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

7.14

80

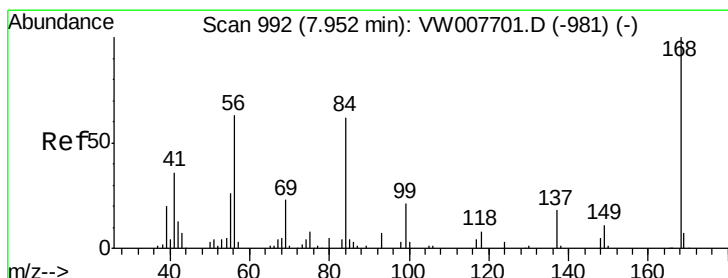
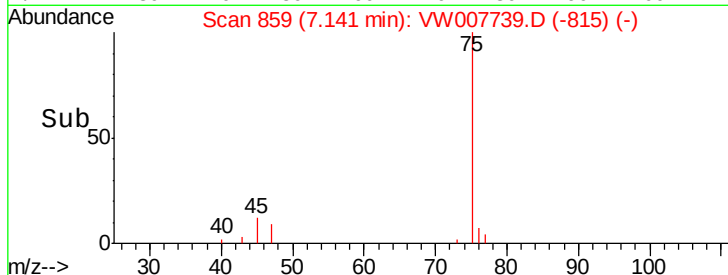
60

40

20

0

Time-->



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

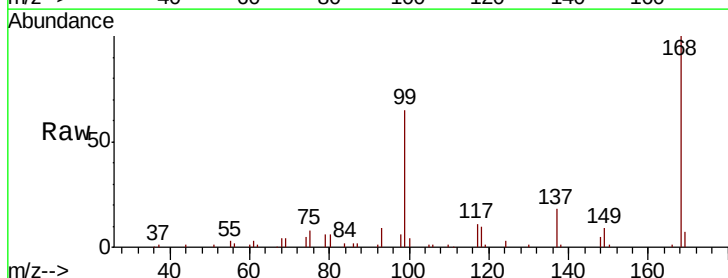
Tgt Ion: 56 Resp: 748

Ion Ratio Lower Upper

56 100

69 167.5 29.7 44.5#

84 85.9 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

800

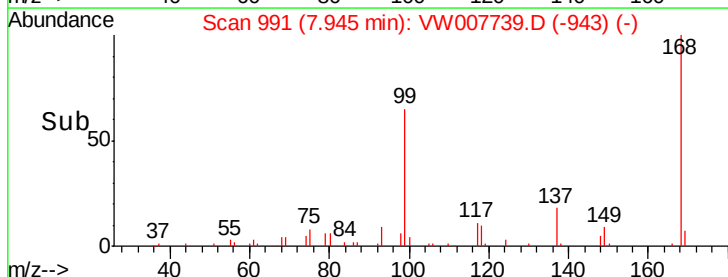
600

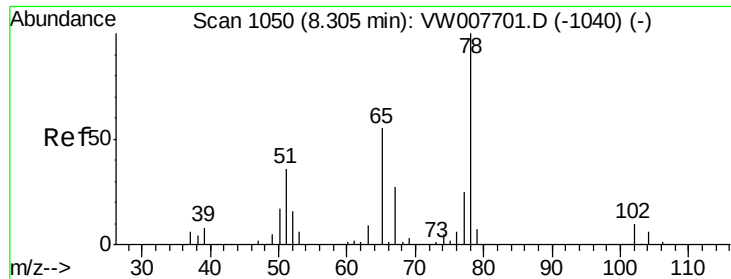
400

200

0

Time-->

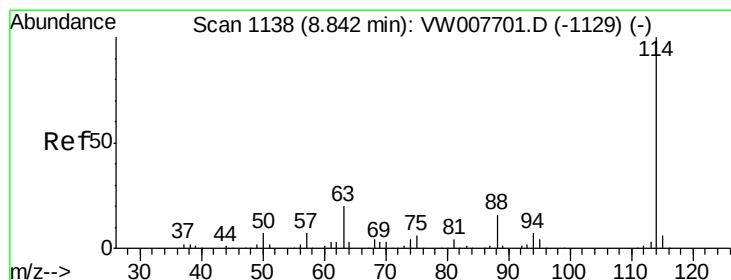
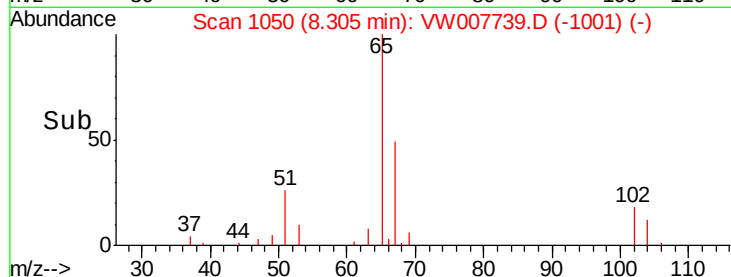
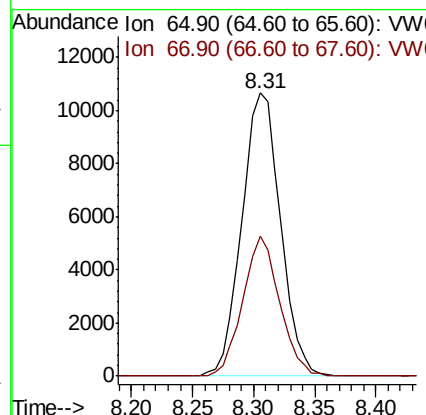
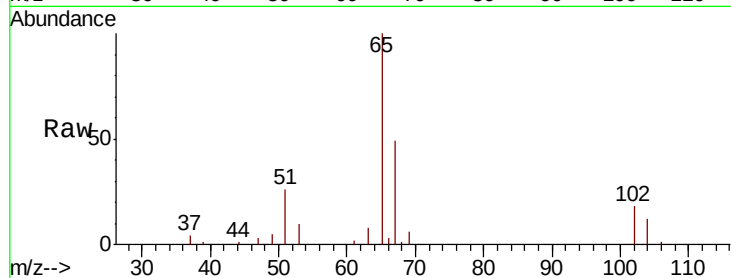




#33
 1,2-Dichloroethane-d4
 Concen: 57.621 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007739.D
 Acq: 20 Dec 2018 10:42

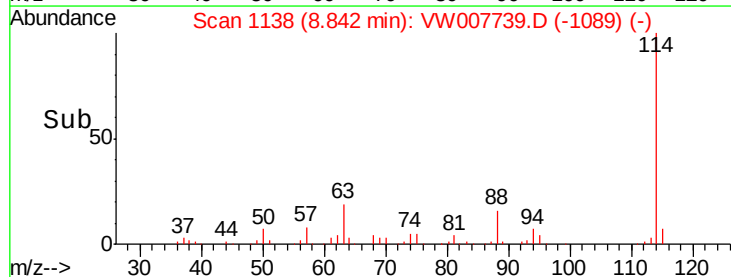
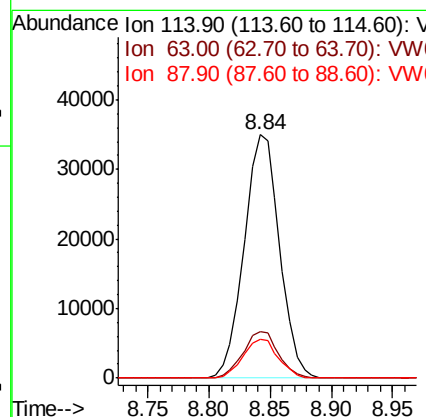
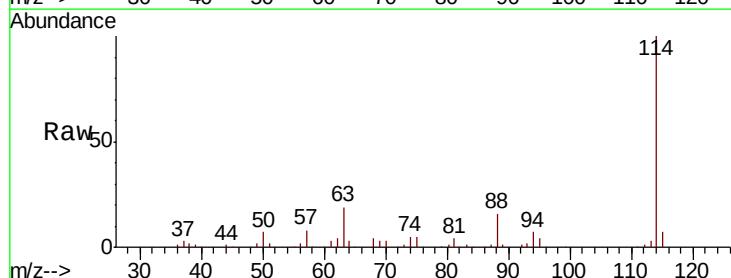
Instrument :
 MSVOA_W
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 P001-SS005-1218-01RE

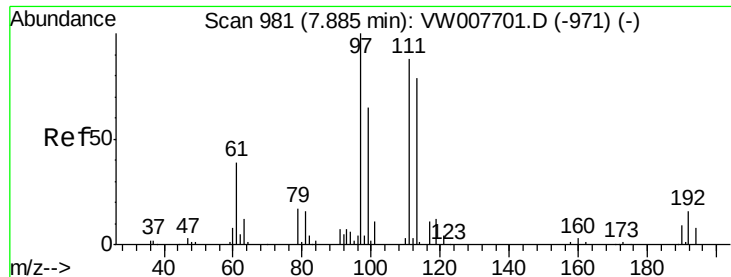
Tot Ion: 65 Resp: 23467
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007739.D
 Acq: 20 Dec 2018 10:42

Tgt Ion: 114 Resp: 70298
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 16.2 0.0 32.6

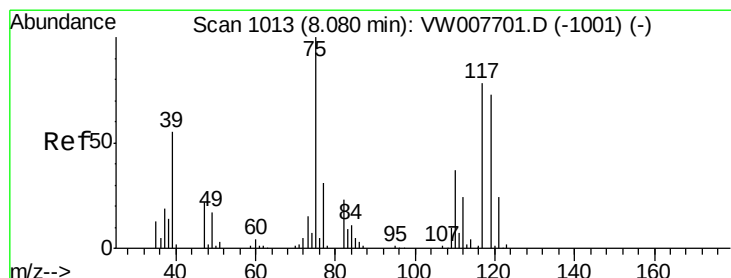
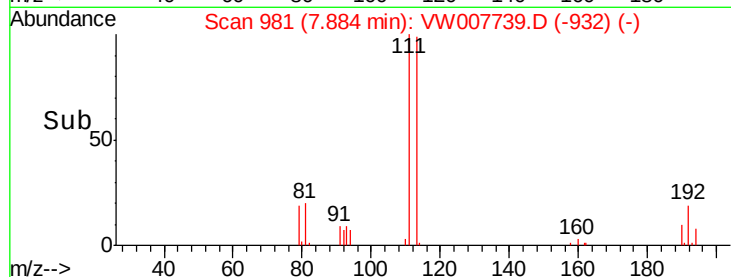
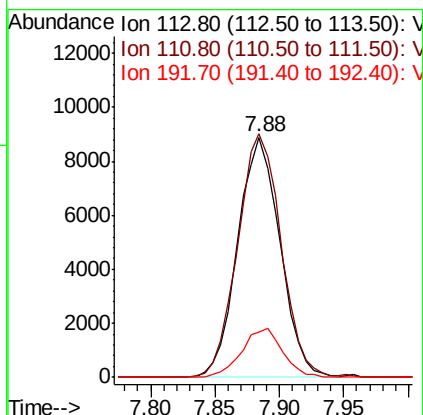
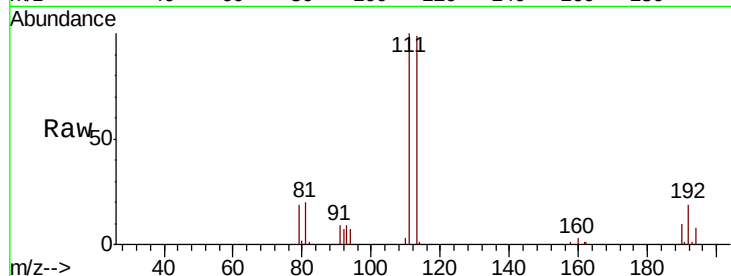




#35
 Dibromofluoromethane
 Concen: 47.156 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007739.D
 Acq: 20 Dec 2018 10:42

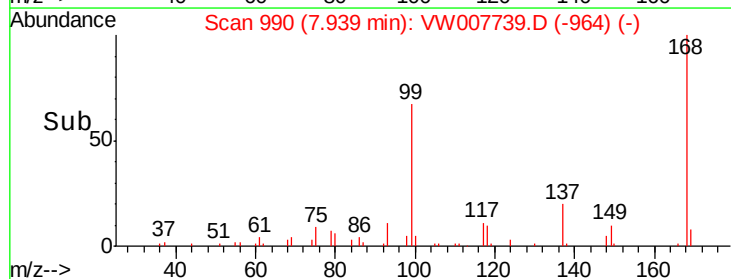
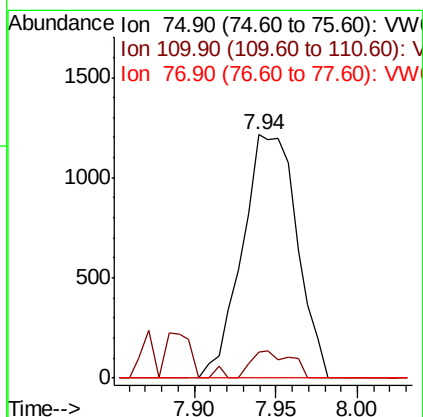
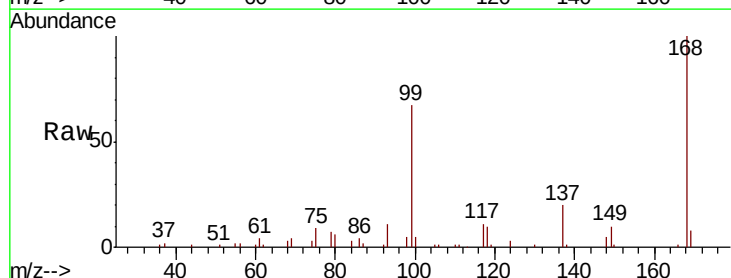
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS005-1218-01RE

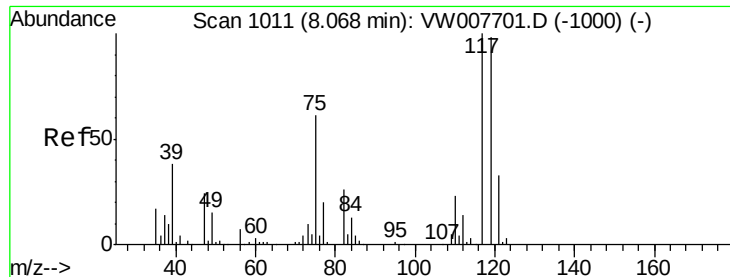
Tot Ion:113 Resp: 20223
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.6 124.0
 192 19.5 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.186 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007739.D
 Acq: 20 Dec 2018 10:42

Tgt Ion: 75 Resp: 2840
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.6 55.8#
 77 0.0 25.0 37.4#

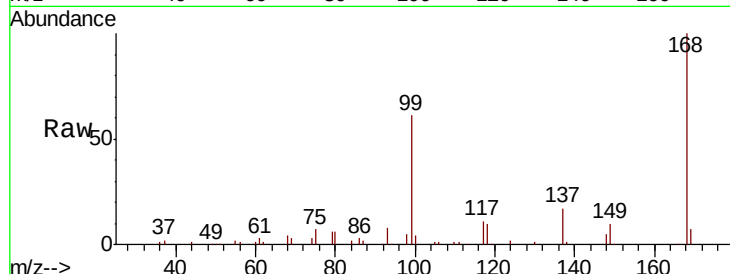




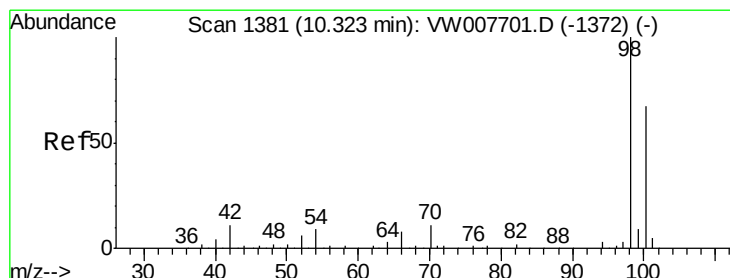
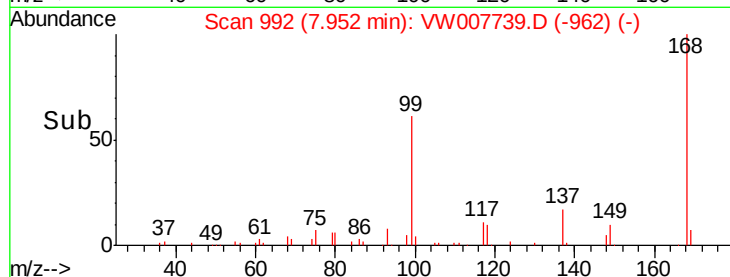
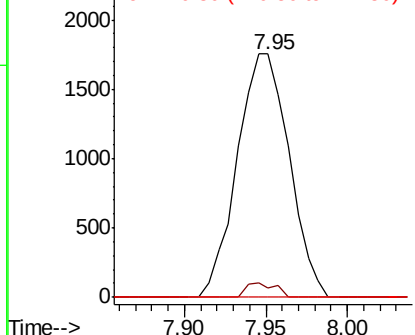
#38
Carbon Tetrachloride
Concen: 4.857 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007739.D
Acq: 20 Dec 2018 10:42

Instrument :
MSVOA_W
ClientSampleId :
P001-SS005-1218-01RE

Tot Ion:117 Resp: 3881
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 26.1 39.1#

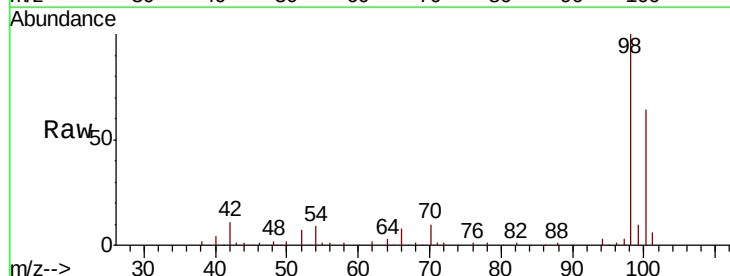


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

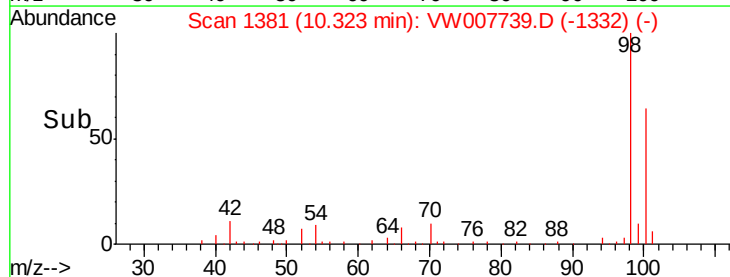
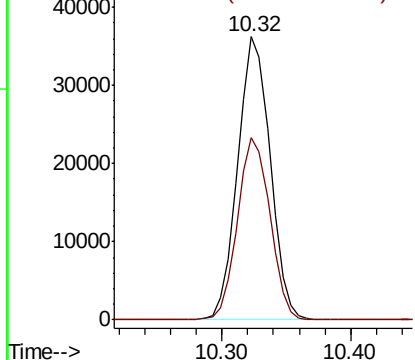


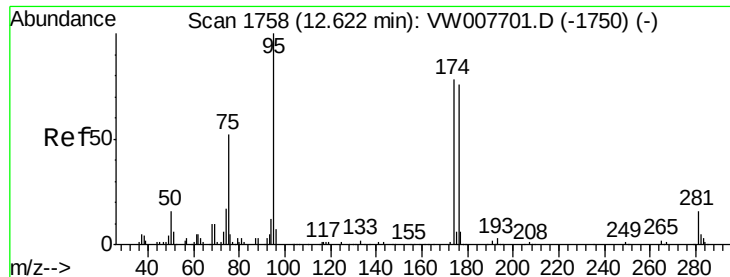
#50
Toluene-d8
Concen: 39.156 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007739.D
Acq: 20 Dec 2018 10:42

Tgt Ion: 98 Resp: 63304
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



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





#62

4-Bromofluorobenzene

Concen: 36.013 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

MSVOA_W

ClientSampleId :

P001-SS005-1218-01RE

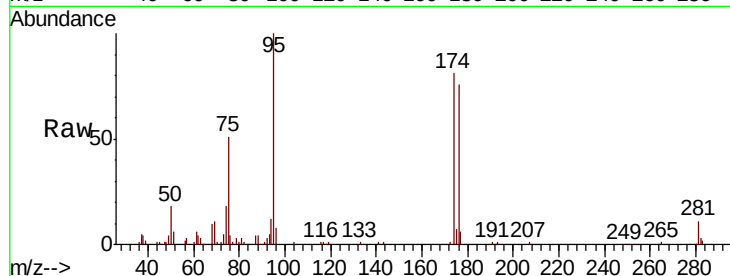
Tot Ion: 95 Resp: 22493

Ion Ratio Lower Upper

95 100

174 78.2 0.0 152.2

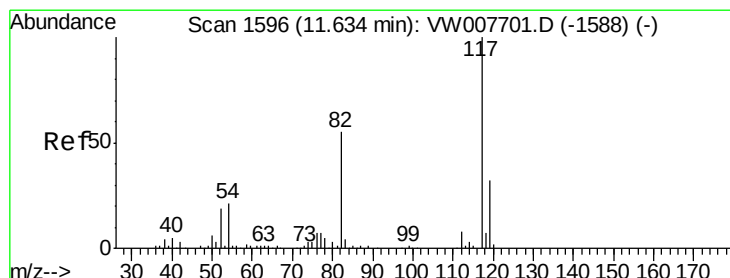
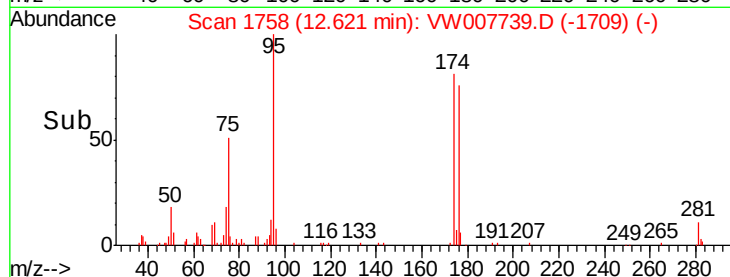
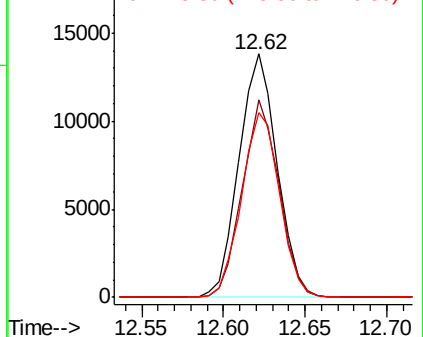
176 75.9 0.0 146.8



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: VW007739.D

Acq: 20 Dec 2018 10:42

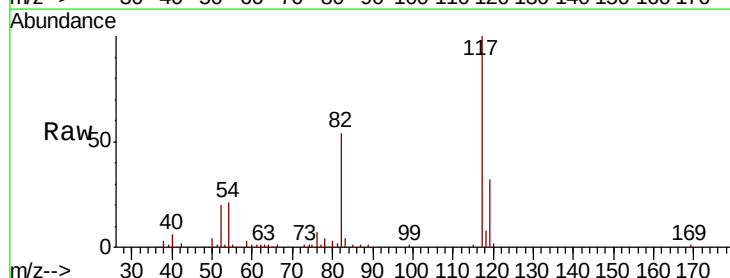
Tgt Ion: 117 Resp: 63910

Ion Ratio Lower Upper

117 100

82 53.7 44.3 66.5

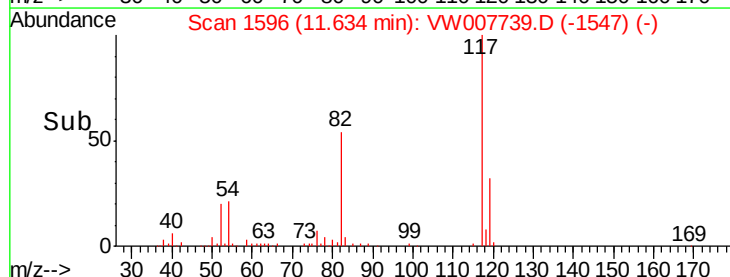
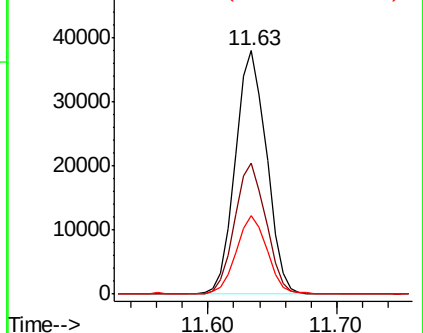
119 31.8 25.7 38.5

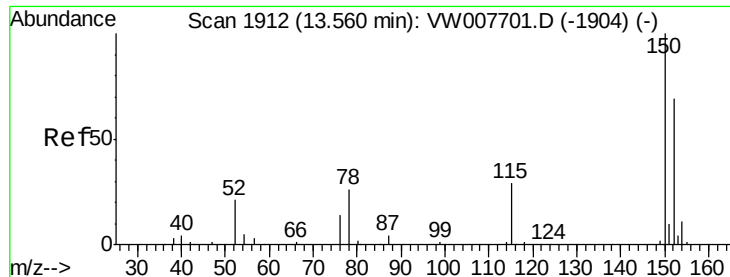


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

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ClientSampleId :

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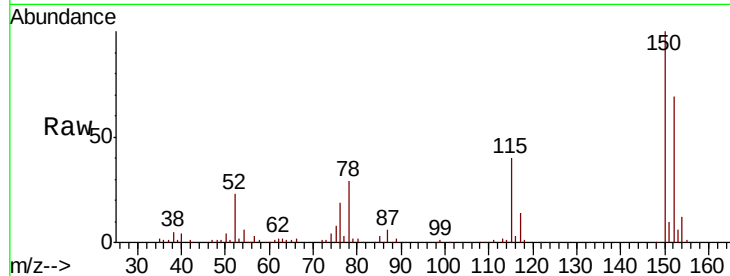
Tot Ion:152 Resp: 27384

Ion Ratio Lower Upper

152 100

115 61.2 31.8 95.4

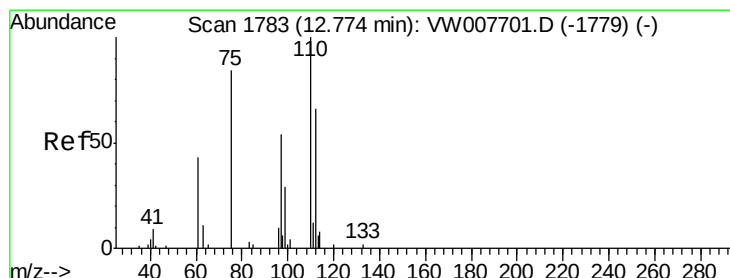
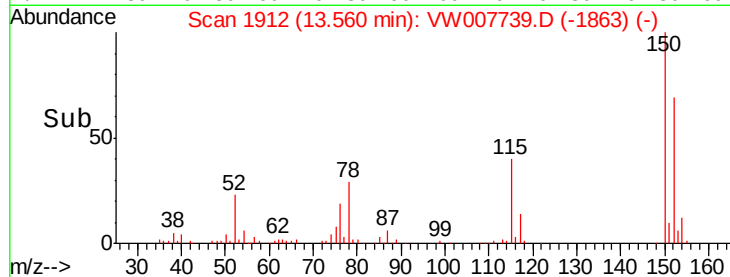
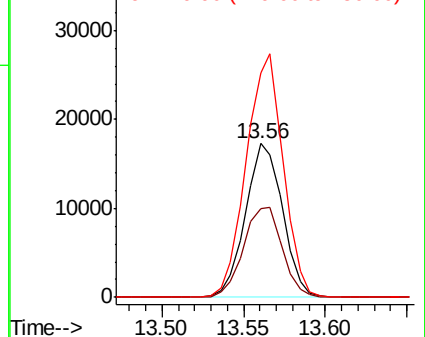
150 157.6 0.0 350.8



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: 54.821 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007739.D

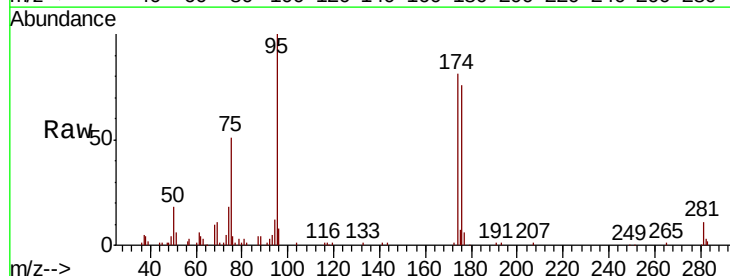
Acq: 20 Dec 2018 10:42

Tgt Ion: 75 Resp: 11603

Ion Ratio Lower Upper

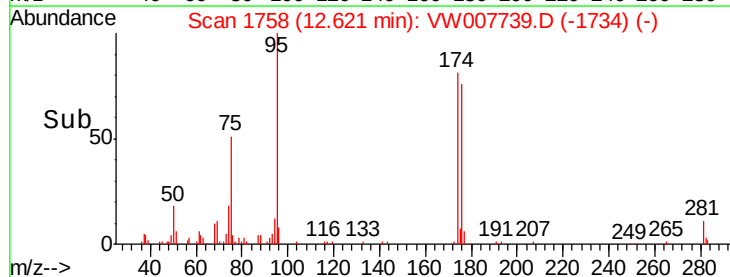
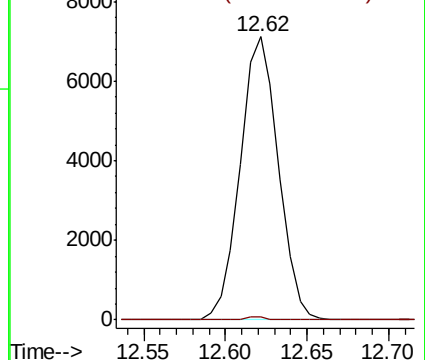
75 100

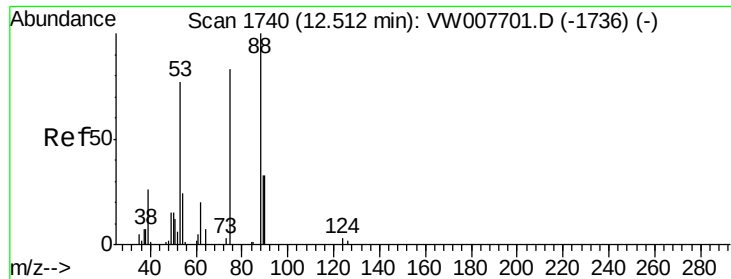
77 0.5 0.0 0.0#



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: 115.073 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

MSVOA_W

ClientSampleId :

P001-SS005-1218-01RE

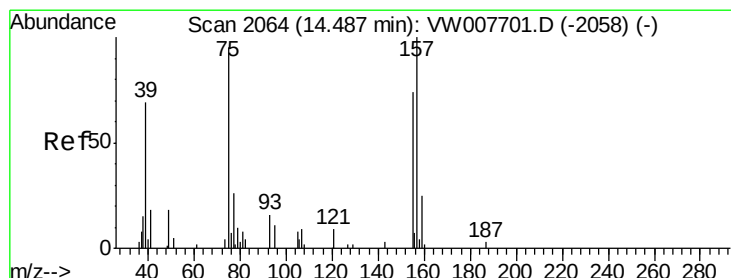
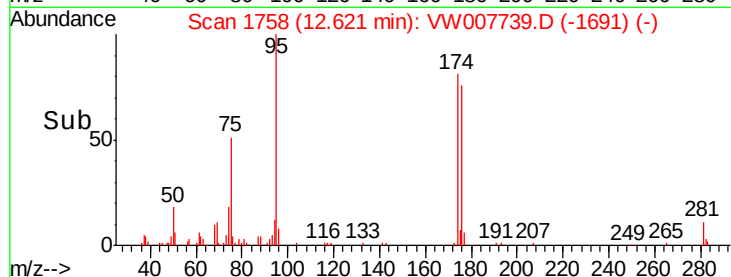
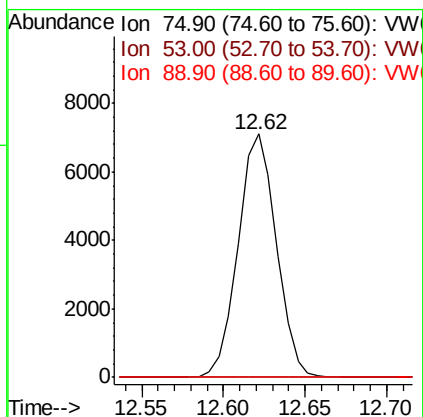
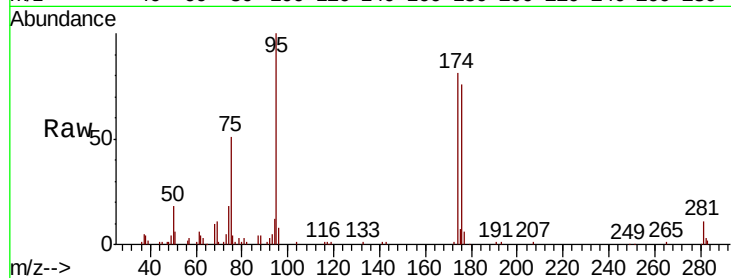
Tot Ion: 75 Resp: 11603

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.161 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 52.0 156.0#

