

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
 Data File : VW007786.D
 Acq On : 21 Dec 2018 10:50
 Operator : SY/AP
 Sample : J6389-11
 Misc : 5.78G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 11:20:36 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	64684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	112787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	87572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	29273	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	36606	51.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.26%	
35) Dibromofluoromethane	7.88	113	31462	45.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.46%	
50) Toluene-d8	10.32	98	97496	37.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.18%	
62) 4-Bromofluorobenzene	12.62	95	30613	30.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	61.10%	

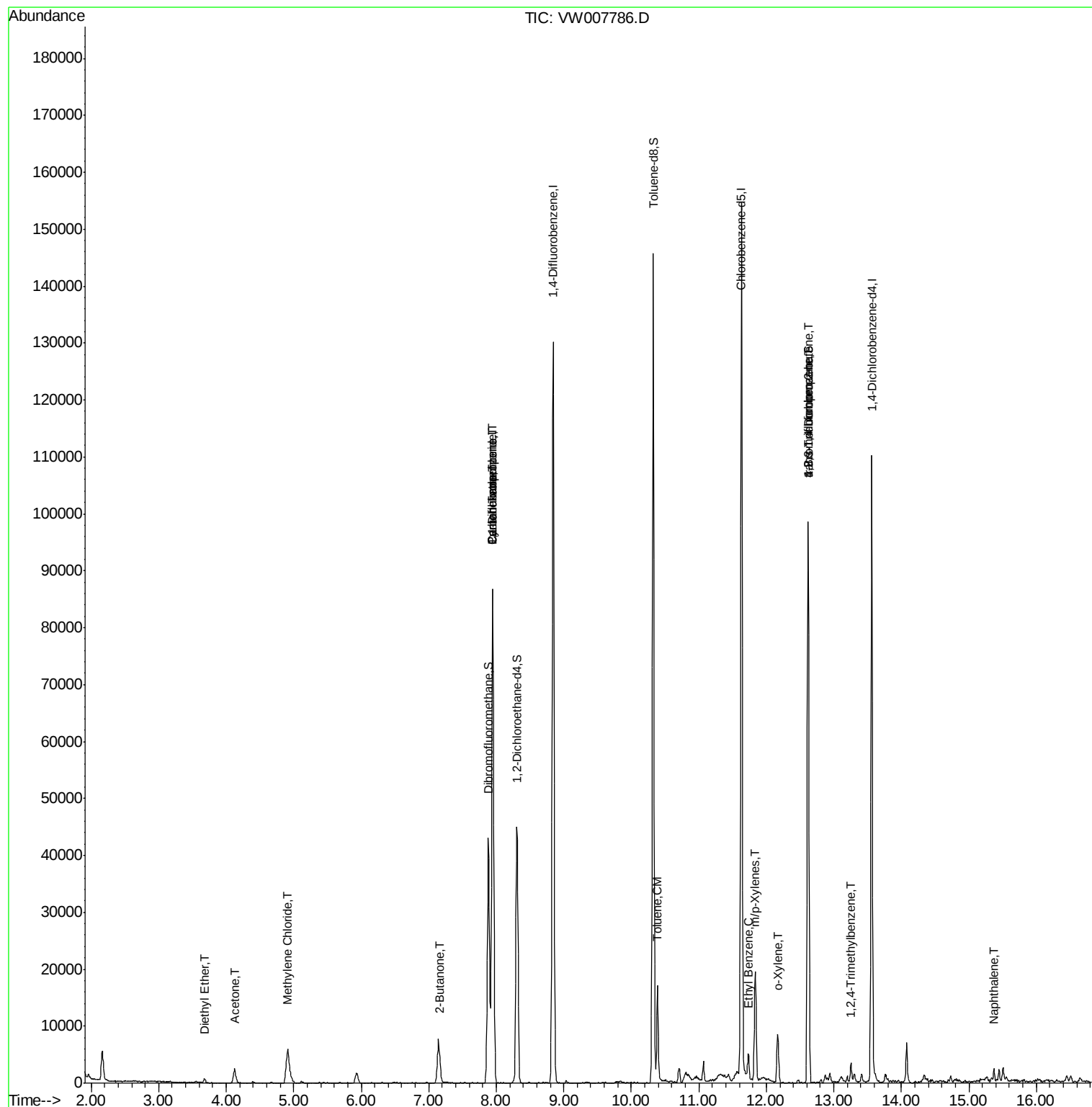
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	318	1.109	ug/l #	23
16) Acetone	4.12	43	4385	33.029	ug/l	100
20) Methylene Chloride	4.92	84	5542	2.336	ug/l #	90
25) 2-Butanone	7.17	43	587	3.775	ug/l #	44
31) Cyclohexane	7.95	56	1245	1.180	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	4838	4.444	ug/l #	47
38) Carbon Tetrachloride	7.95	117	6826	5.324	ug/l #	14
52) Toluene	10.38	92	7521	3.859	ug/l	99
67) Ethyl Benzene	11.74	91	3352	1.031	ug/l	92
68) m/p-Xylenes	11.84	106	6031	4.780	ug/l	100
69) o-Xylene	12.17	106	2207	1.866	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	15200	67.181	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	15200	141.019	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	2086	1.083	ug/l	97
95) Naphthalene	15.37	128	2100	1.815	ug/l	99

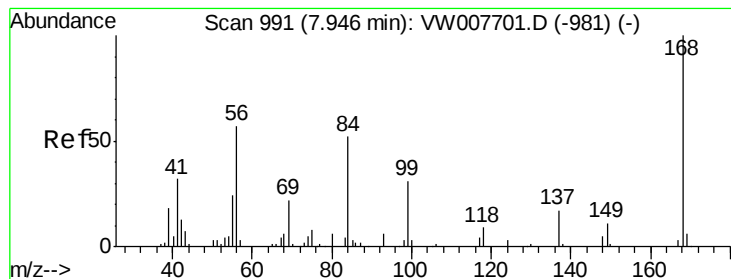
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 991

Delta R.T. -0.00 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

Instrument :

MSVOA_W

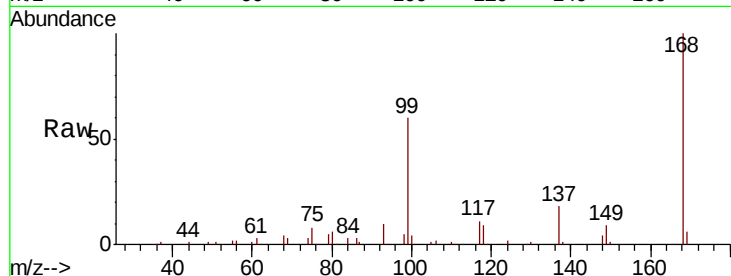
ClientSampleId :

Tot Ion:168 Resp: 64684

Ion Ratio Lower Upper

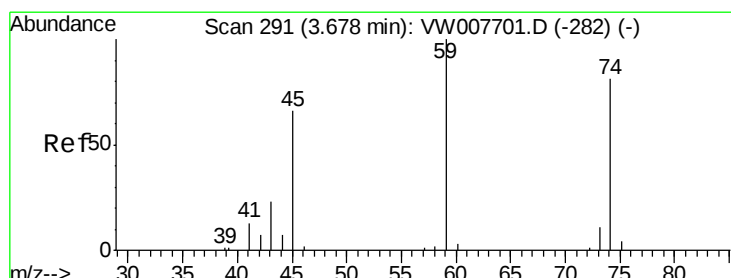
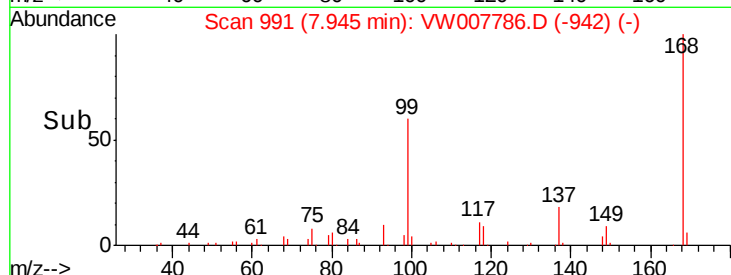
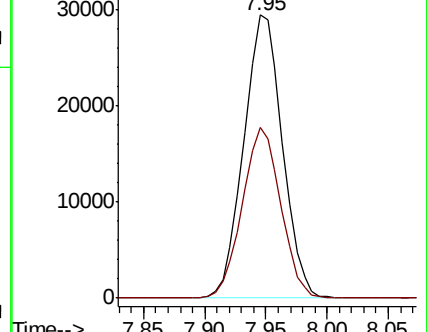
168 100

99 60.2 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW007701.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW007701.D (-981) (-)



#8

Diethyl Ether

Concen: 1.109 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007786.D

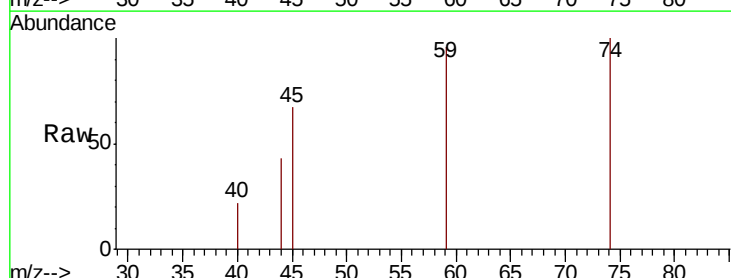
Acq: 21 Dec 2018 10:50

Tgt Ion: 74 Resp: 318

Ion Ratio Lower Upper

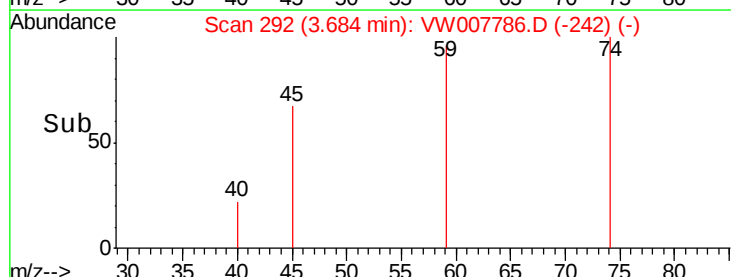
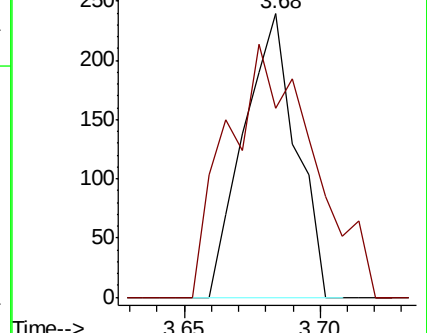
74 100

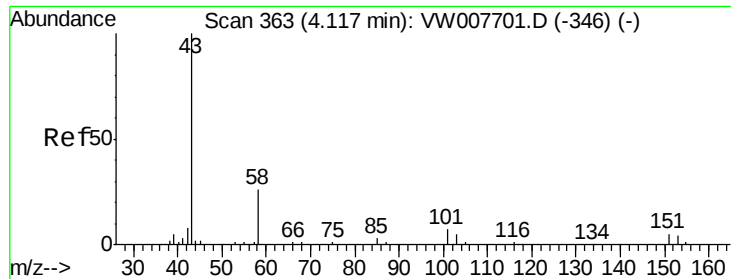
45 145.9 39.4 118.1#



Abundance Ion 74.00 (73.70 to 74.70): VW007701.D (-282) (-)

Ion 45.00 (44.70 to 45.70): VW007701.D (-282) (-)





#16

Acetone

Concen: 33.029 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

Instrument :

MSVOA_W

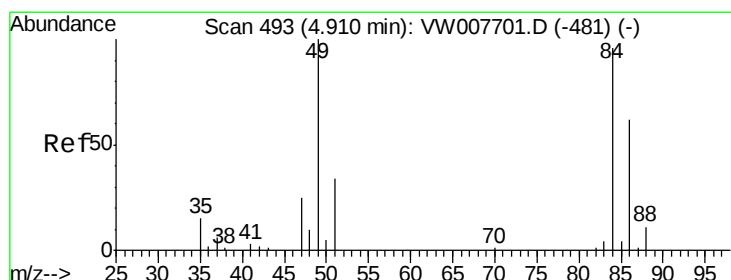
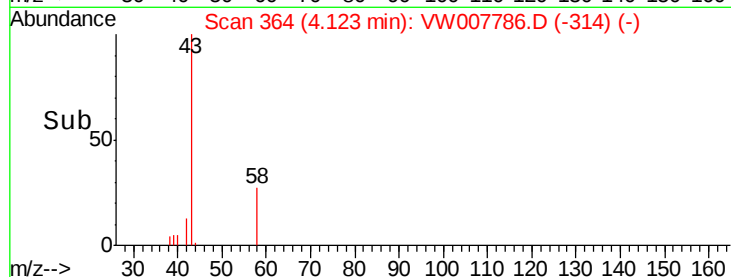
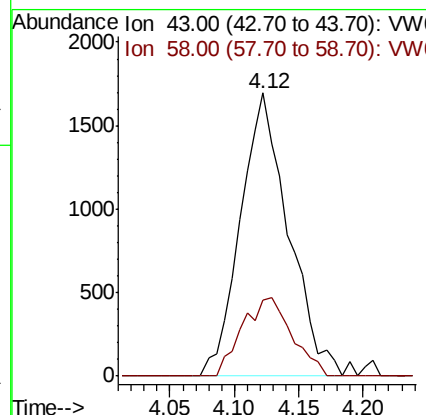
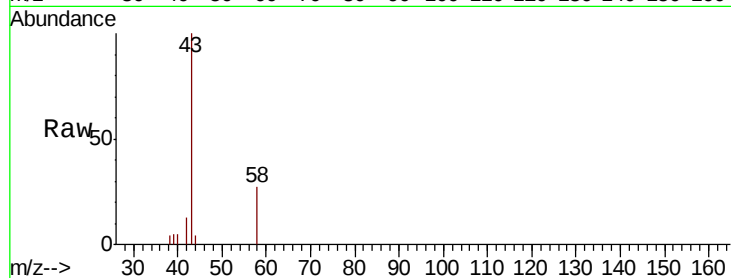
ClientSampleId :

Tot Ion: 43 Resp: 4385

Ion Ratio Lower Upper

43 100

58 26.7 21.2 31.8



#20

Methylene Chloride

Concen: 2.336 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

Tgt Ion: 84 Resp: 5542

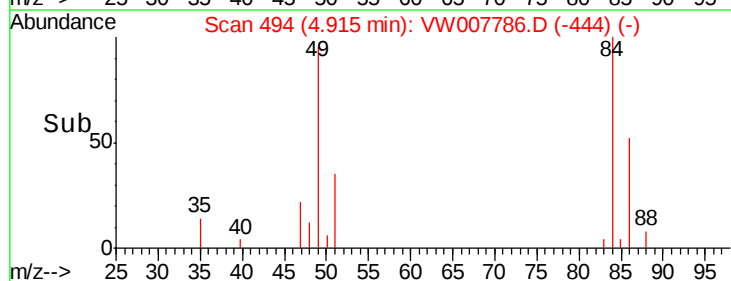
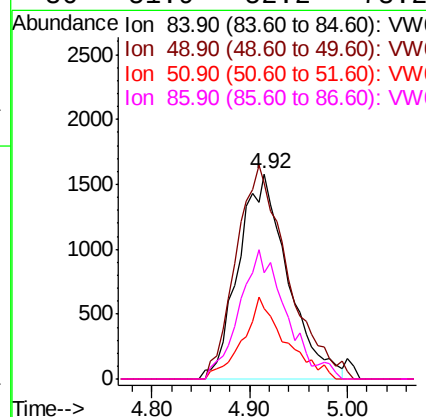
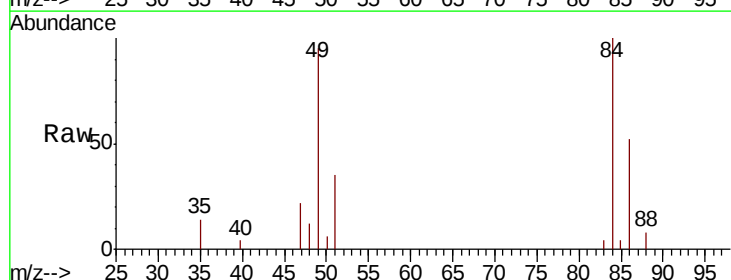
Ion Ratio Lower Upper

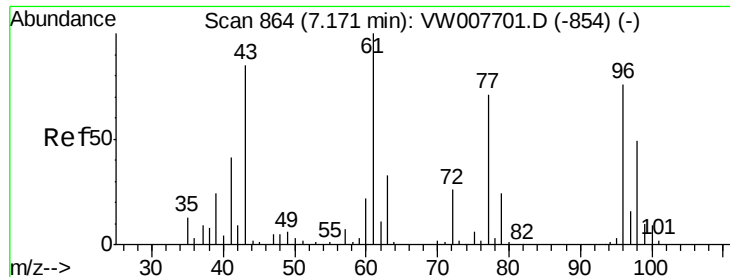
84 100

49 95.4 83.7 125.5

51 34.6 28.2 42.2

86 51.9 52.2 78.2#

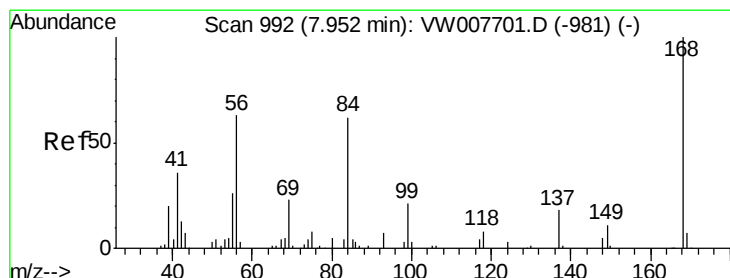
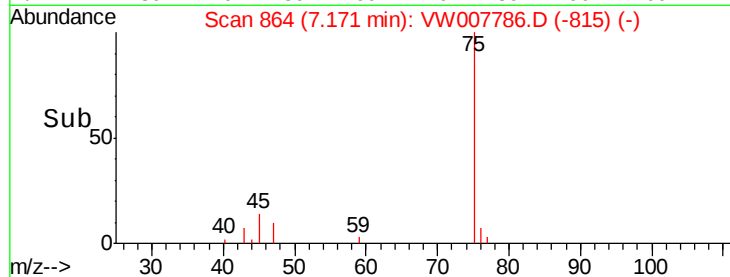
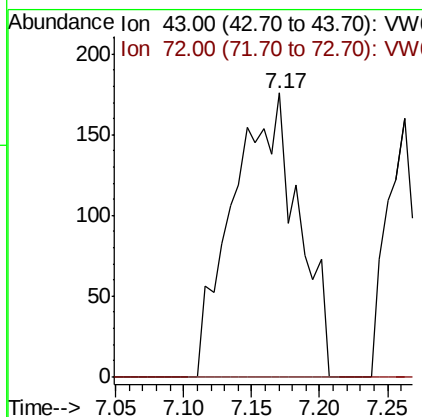
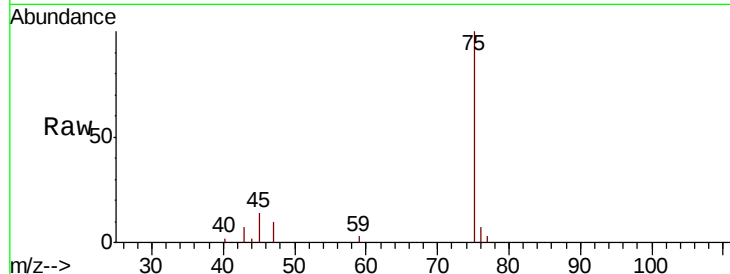




#25
2-Butanone
Concen: 3.775 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007786.D
Acq: 21 Dec 2018 10:50

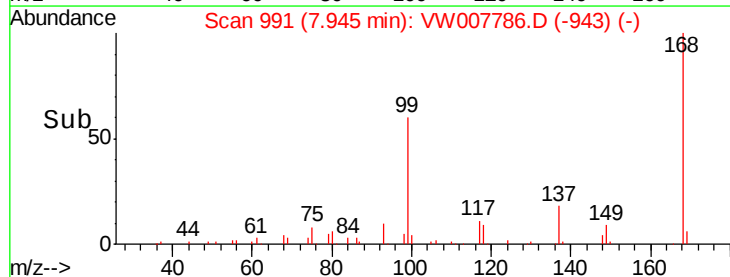
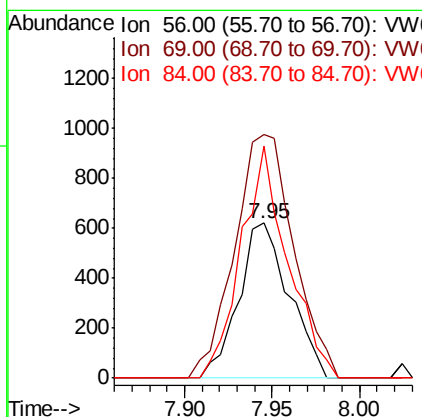
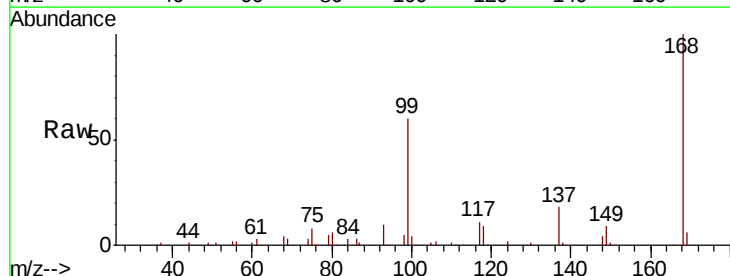
Instrument :
MSVOA_W
ClientSampleId :

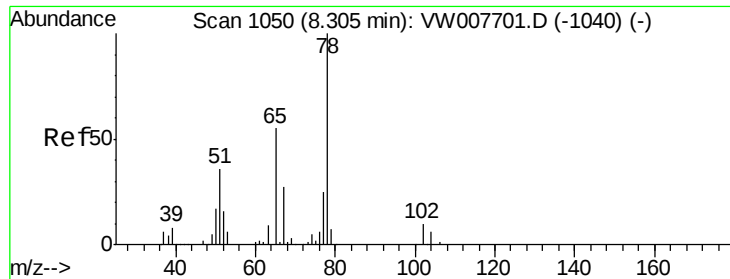
Tot Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
72 0.0 24.5 36.7#



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007786.D
Acq: 21 Dec 2018 10:50

Tgt Ion: 56 Resp: 1245
Ion Ratio Lower Upper
56 100
69 157.2 29.7 44.5#
84 149.9 78.9 118.3#

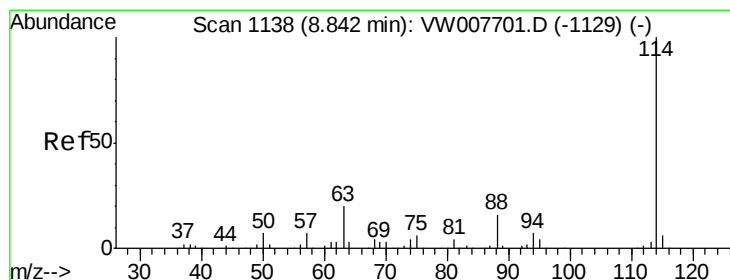
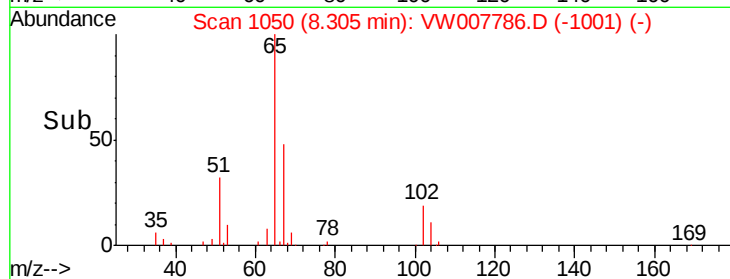
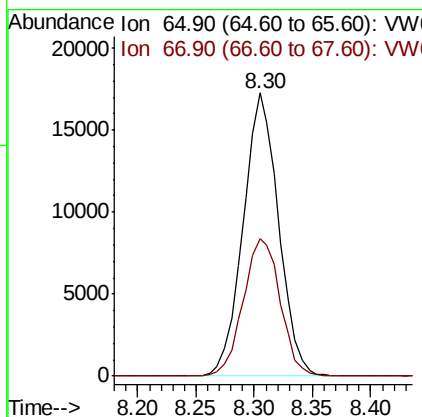
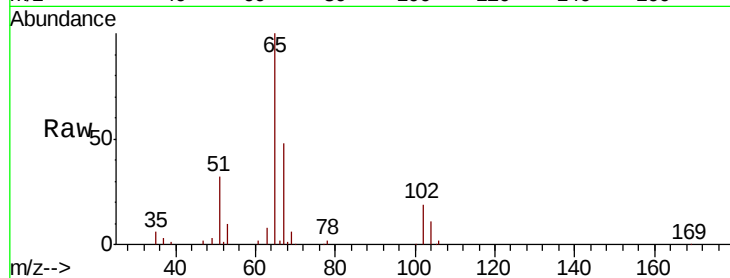




#33
 1,2-Dichloroethane-d4
 Concen: 51.633 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007786.D
 Acq: 21 Dec 2018 10:50

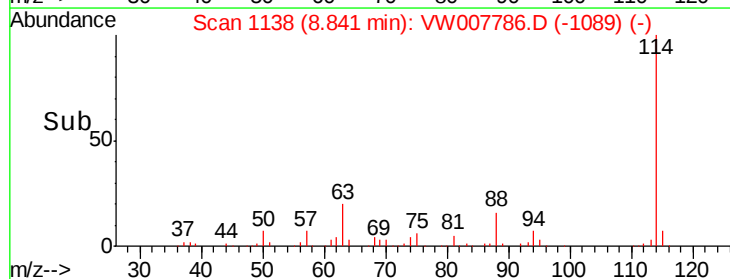
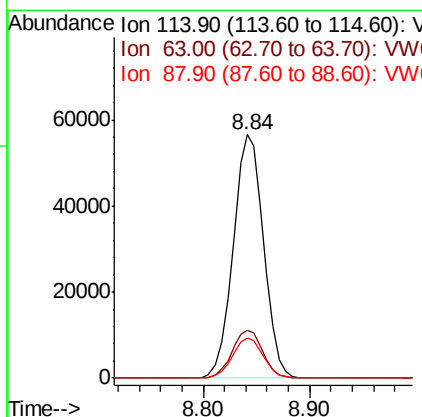
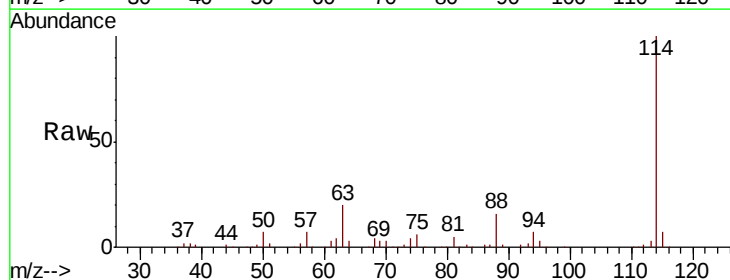
Instrument :
 MSVOA_W
 ClientSampleId :

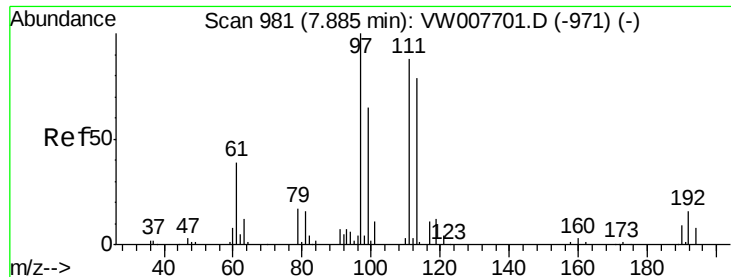
Tot Ion: 65 Resp: 36606
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007786.D
 Acq: 21 Dec 2018 10:50

Tgt Ion: 114 Resp: 112787
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.726 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

Instrument :

MSVOA_W

ClientSampleId :

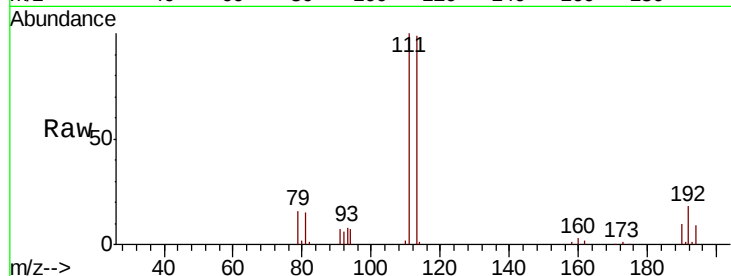
Tot Ion:113 Resp: 31462

Ion Ratio Lower Upper

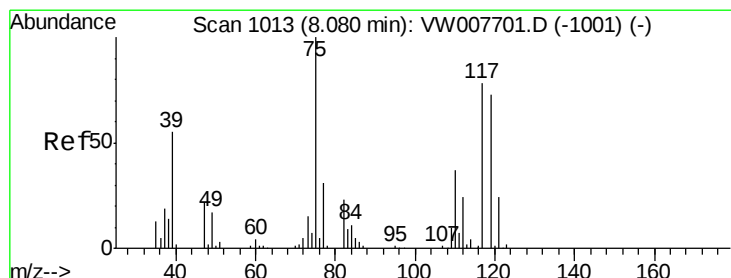
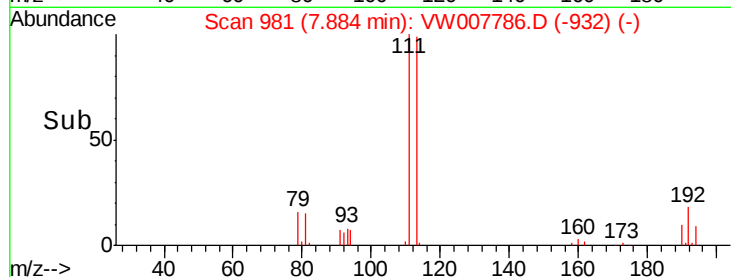
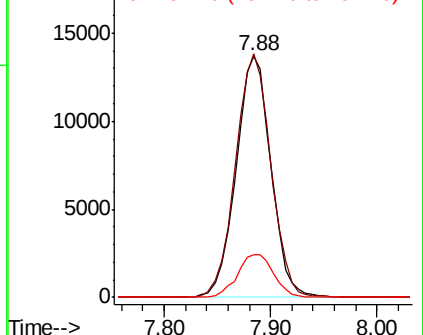
113 100

111 102.2 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: 4.444 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

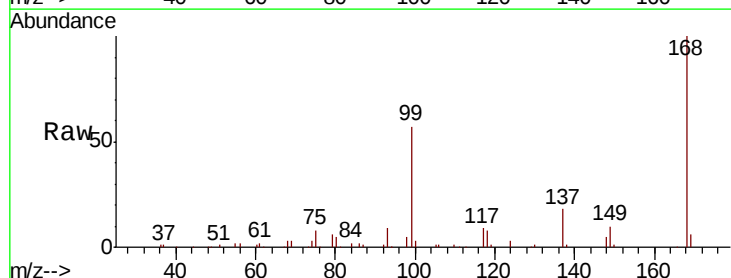
Tgt Ion: 75 Resp: 4838

Ion Ratio Lower Upper

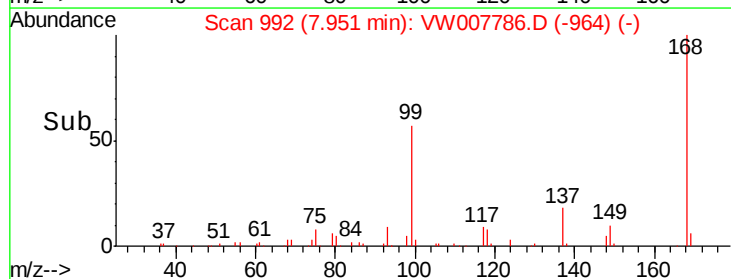
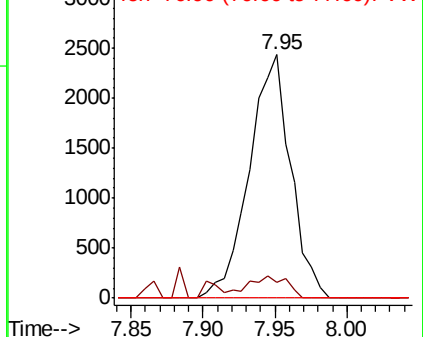
75 100

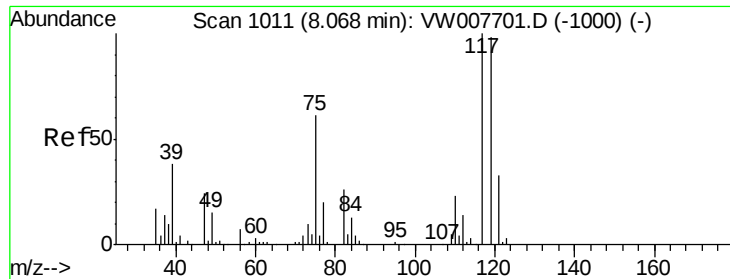
110 7.5 18.6 55.8#

77 0.0 25.0 37.4#



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

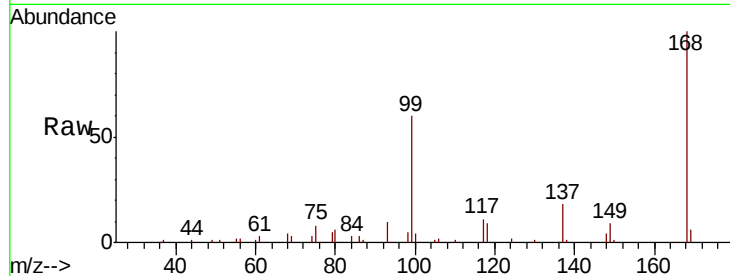




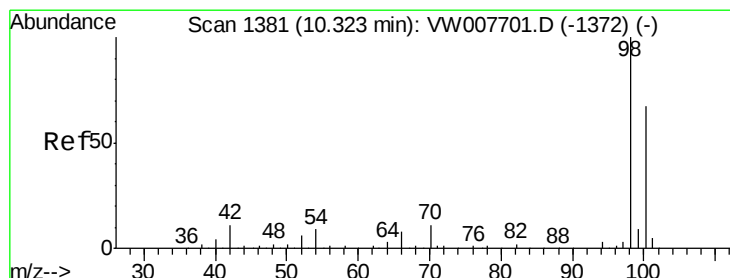
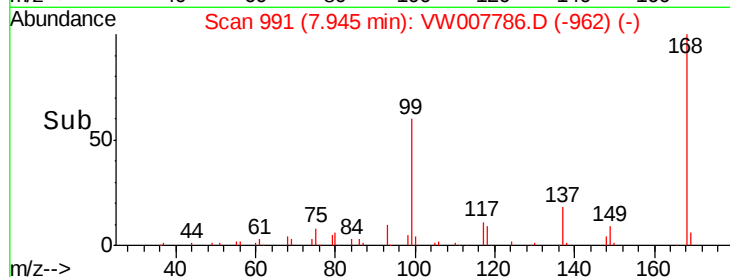
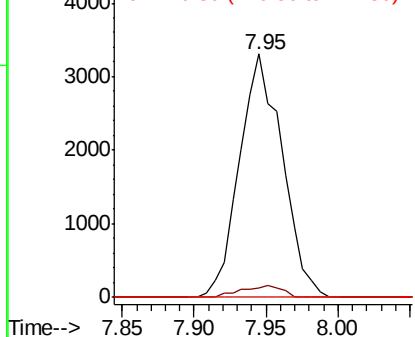
#38
Carbon Tetrachloride
Concen: 5.324 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007786.D
Acq: 21 Dec 2018 10:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 6826
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 26.1 39.1#

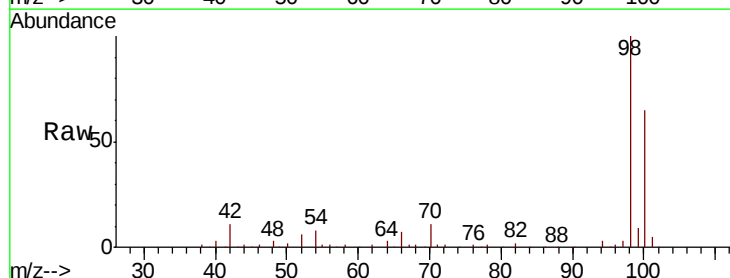


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

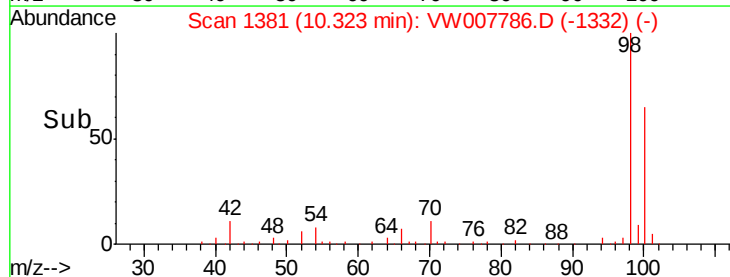
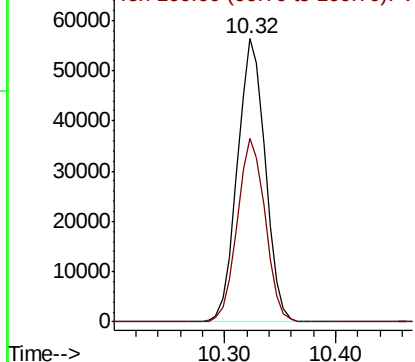


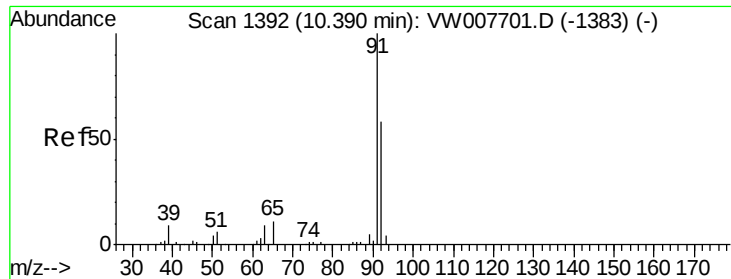
#50
Toluene-d8
Concen: 37.587 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007786.D
Acq: 21 Dec 2018 10:50

Tgt Ion: 98 Resp: 97496
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



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





#52

Toluene

Concen: 3.859 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

Instrument :

MSVOA_W

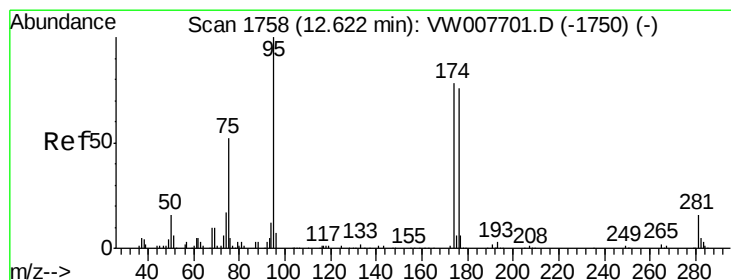
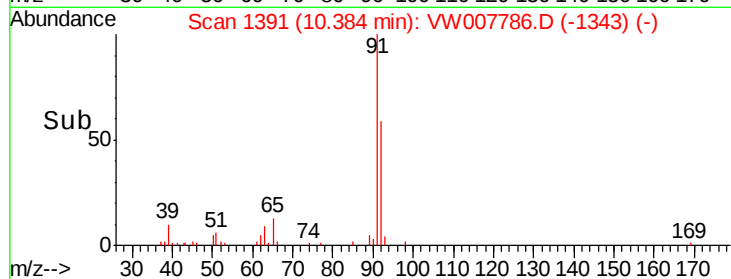
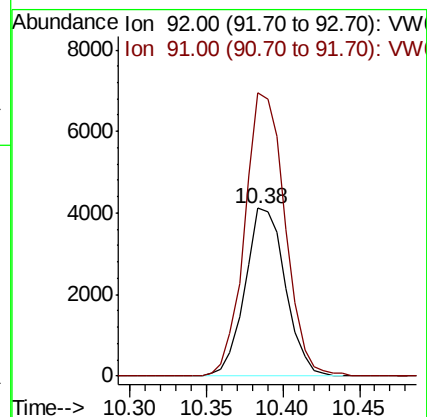
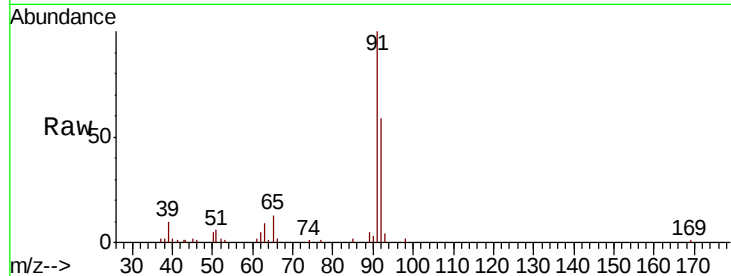
ClientSampleId :

Tot Ion: 92 Resp: 7521

Ion Ratio Lower Upper

92 100

91 169.2 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 30.550 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

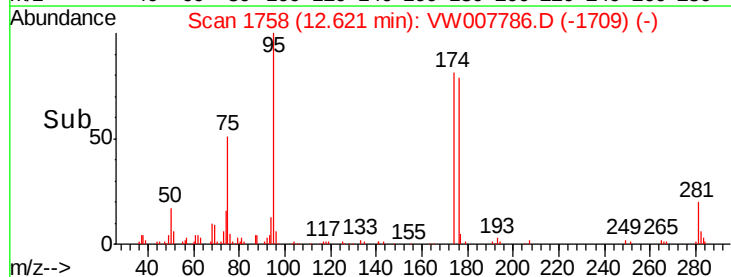
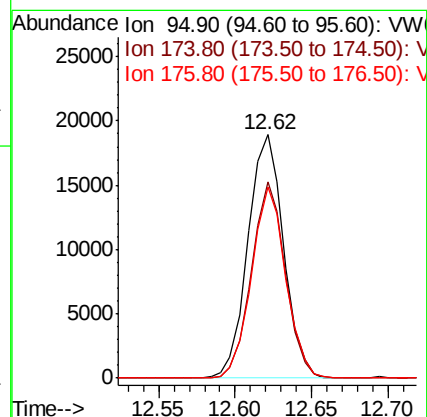
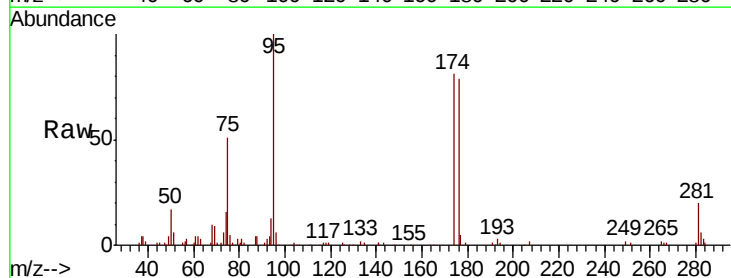
Tgt Ion: 95 Resp: 30613

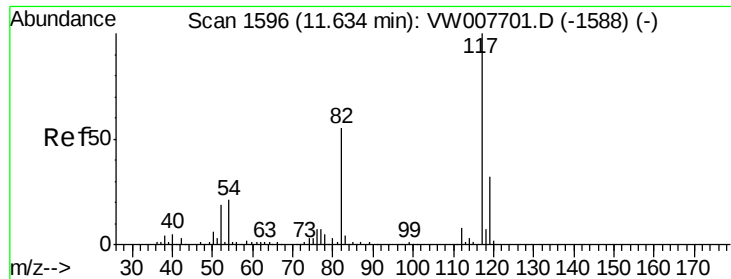
Ion Ratio Lower Upper

95 100

174 76.6 0.0 152.2

176 75.2 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: VW007786.D

Acq: 21 Dec 2018 10:50

Instrument :

MSVOA_W

ClientSampleId :

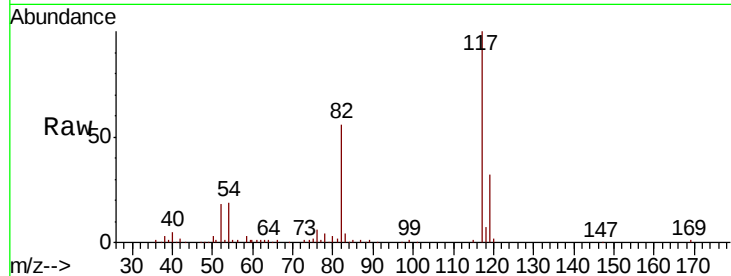
Tot Ion:117 Resp: 87572

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

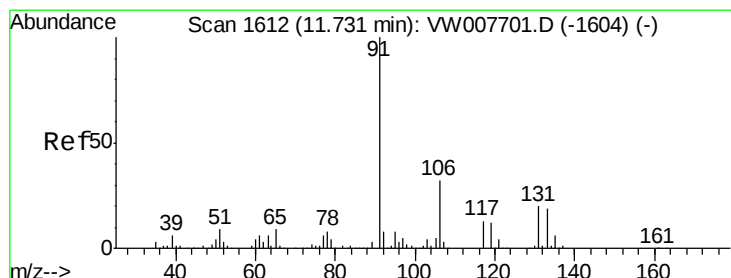
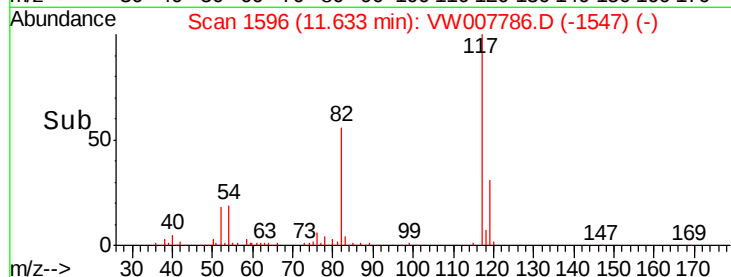
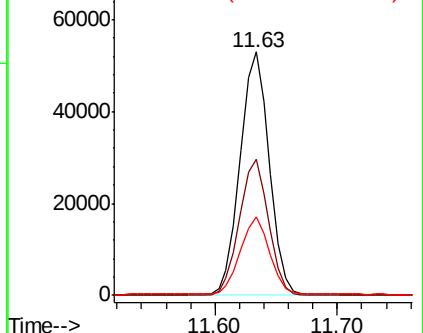
119 31.3 25.7 38.5



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



#67

Ethyl Benzene

Concen: 1.031 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW007786.D

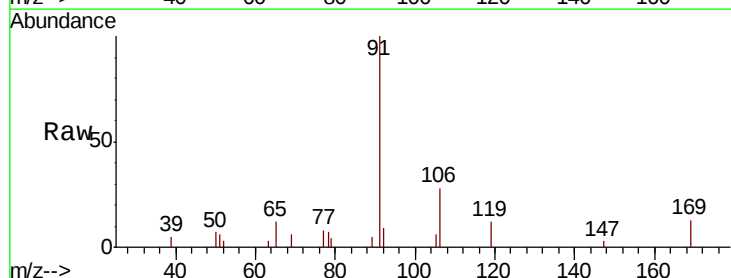
Acq: 21 Dec 2018 10:50

Tgt Ion: 91 Resp: 3352

Ion Ratio Lower Upper

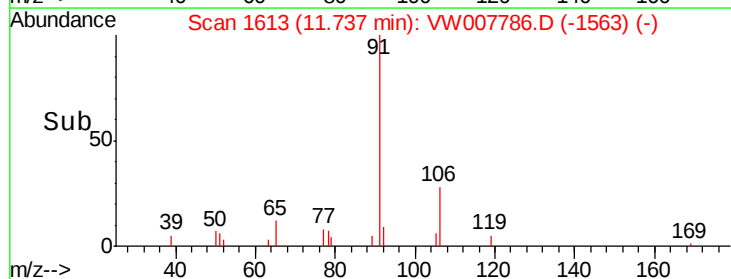
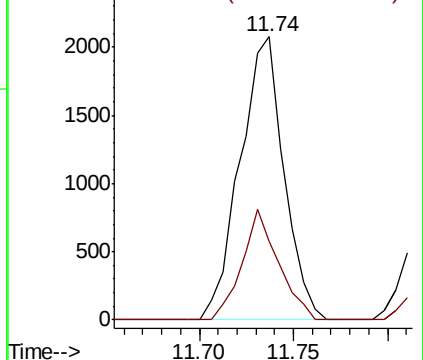
91 100

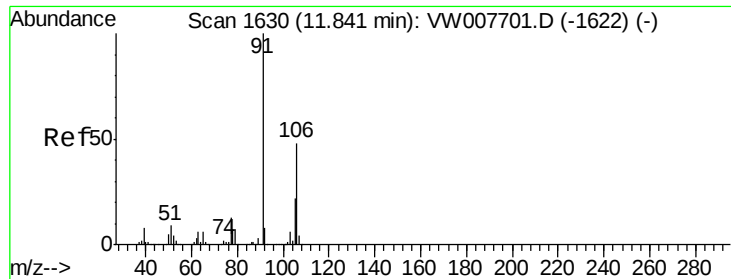
106 27.9 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

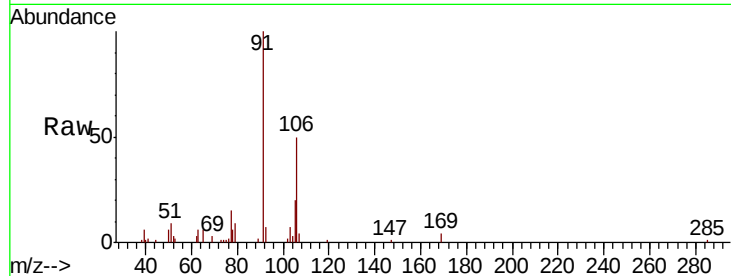




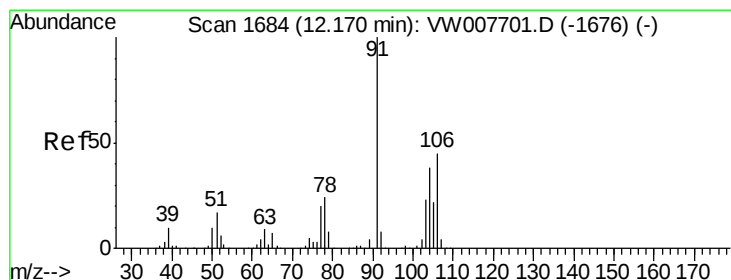
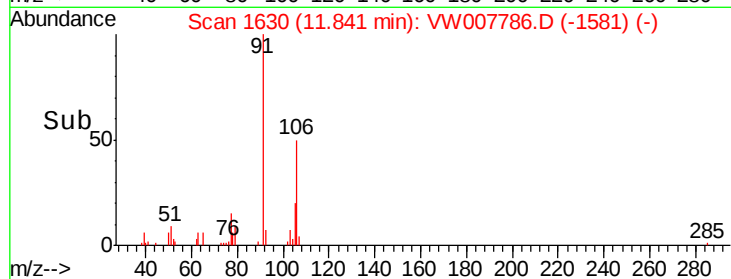
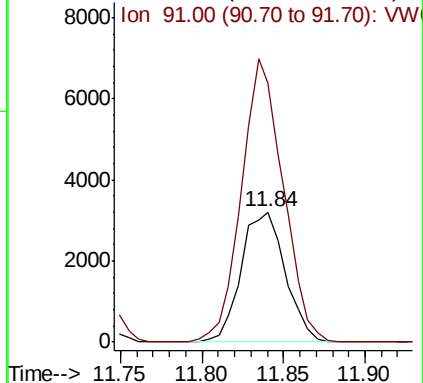
#68
m/p-Xylenes
Concen: 4.780 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007786.D
Acq: 21 Dec 2018 10:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 6031
Ion Ratio Lower Upper
106 100
91 206.6 165.2 247.8

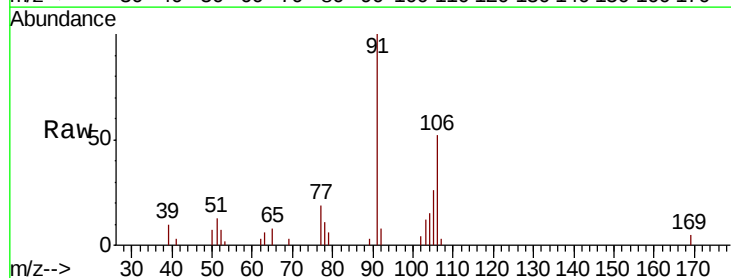


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

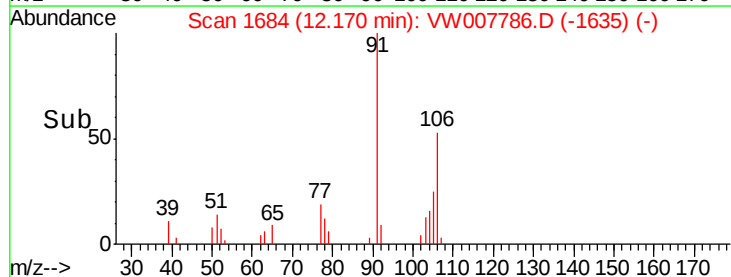
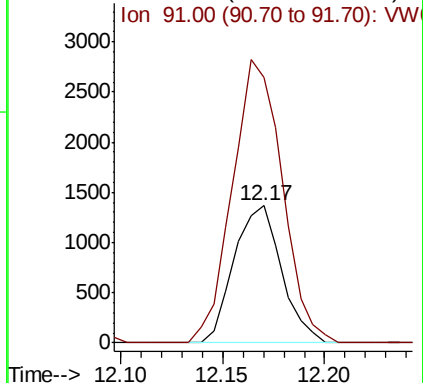


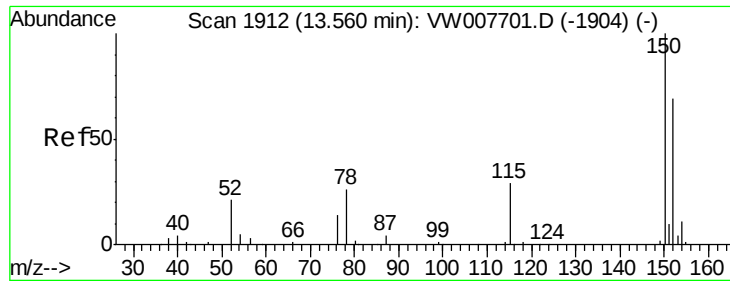
#69
o-Xylene
Concen: 1.866 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007786.D
Acq: 21 Dec 2018 10:50

Tgt Ion:106 Resp: 2207
Ion Ratio Lower Upper
106 100
91 217.5 110.5 331.4



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: VW007786.D

Acq: 21 Dec 2018 10:50

Instrument :

MSVOA_W

ClientSampleId :

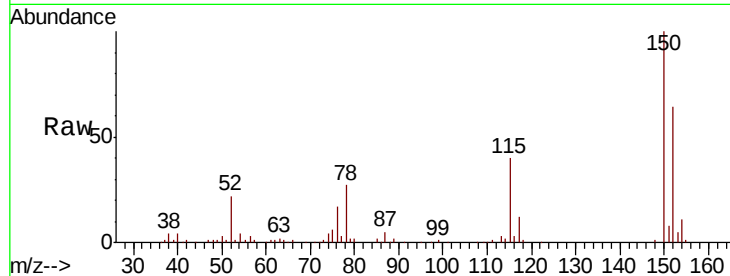
Tot Ion:152 Resp: 29273

Ion Ratio Lower Upper

152 100

115 64.1 31.8 95.4

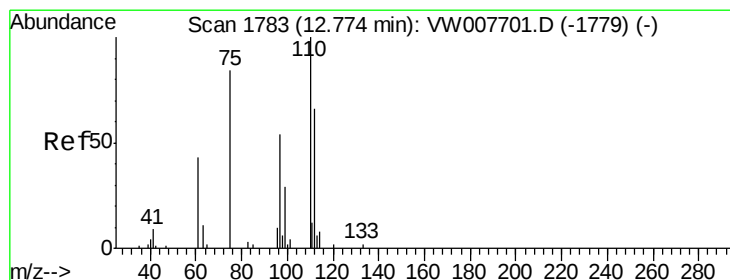
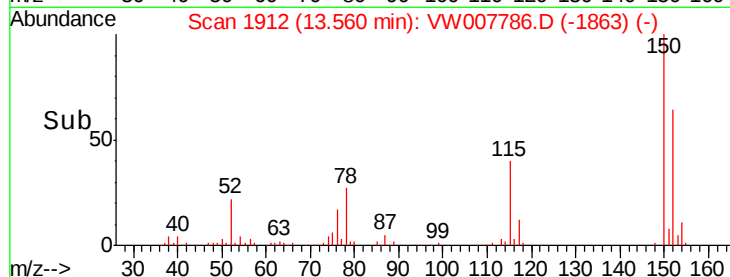
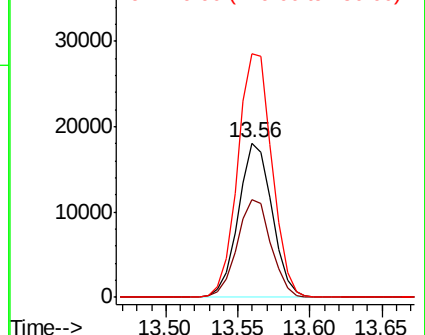
150 160.3 0.0 350.8



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: 67.181 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007786.D

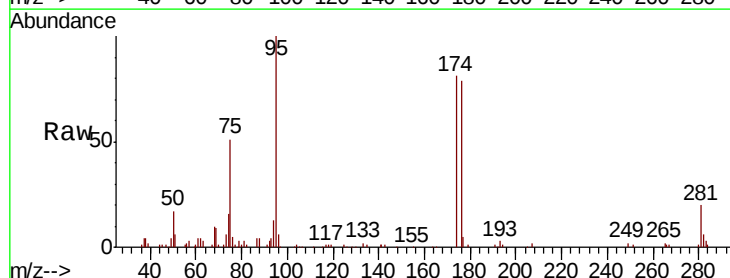
Acq: 21 Dec 2018 10:50

Tgt Ion: 75 Resp: 15200

Ion Ratio Lower Upper

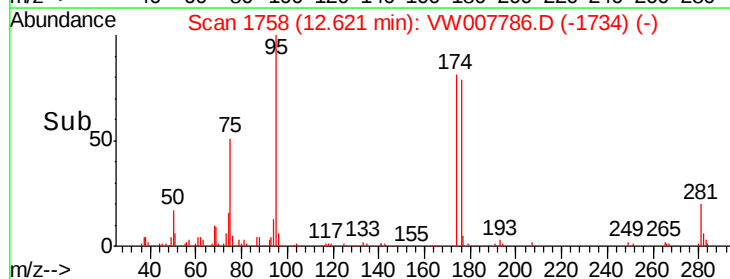
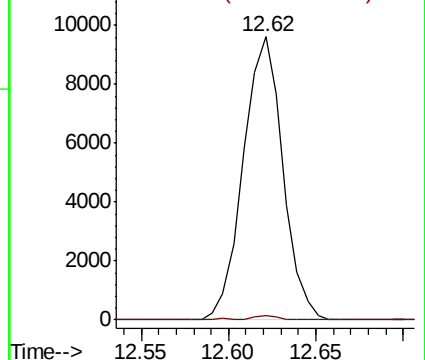
75 100

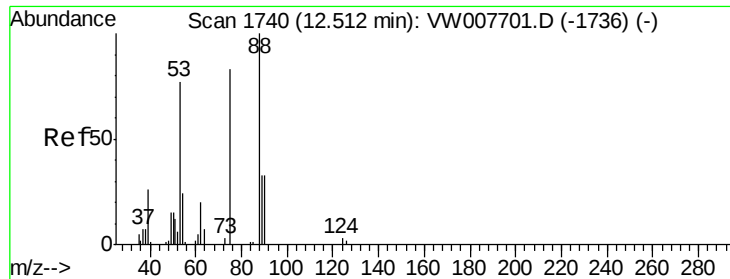
77 0.8 0.0 0.0#



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: 141.019 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007786.D

Acq: 21 Dec 2018 10:50

Instrument :

MSVOA_W

ClientSampleId :

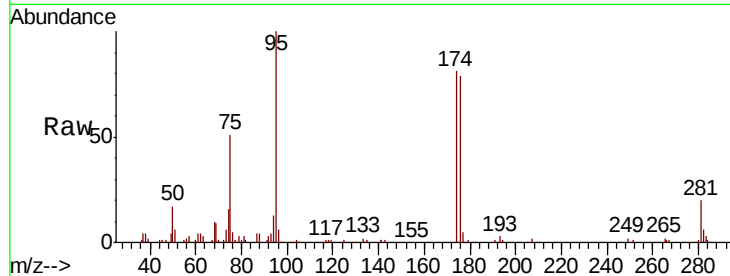
Tot Ion: 75 Resp: 15200

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

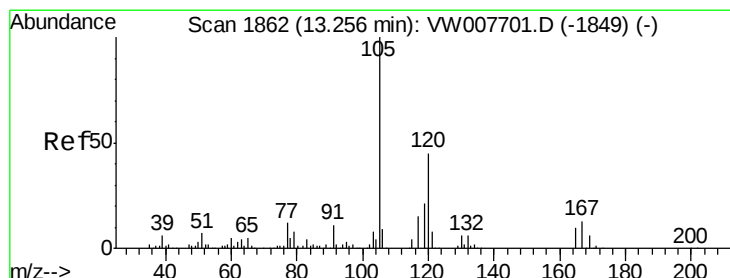
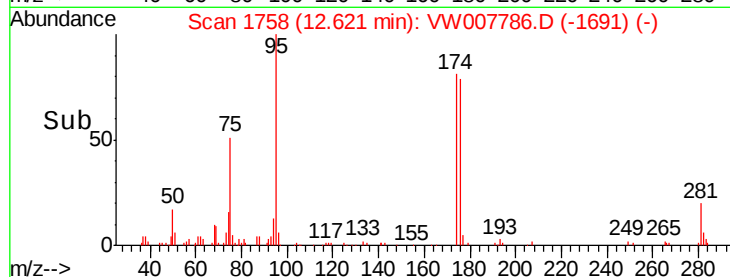
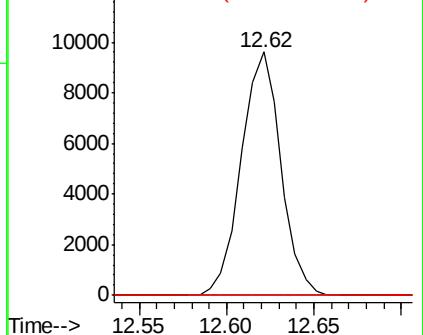
89 0.0 39.2 58.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.083 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007786.D

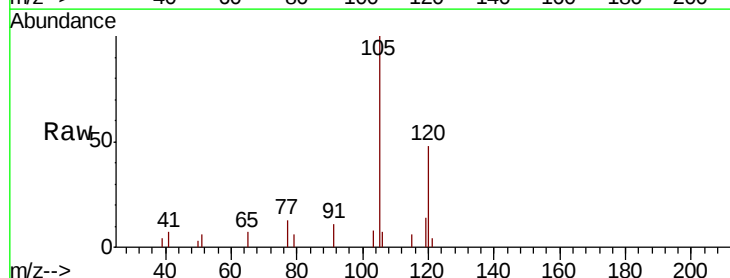
Acq: 21 Dec 2018 10:50

Tgt Ion: 105 Resp: 2086

Ion Ratio Lower Upper

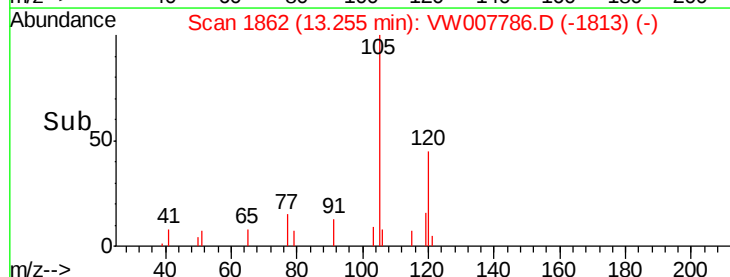
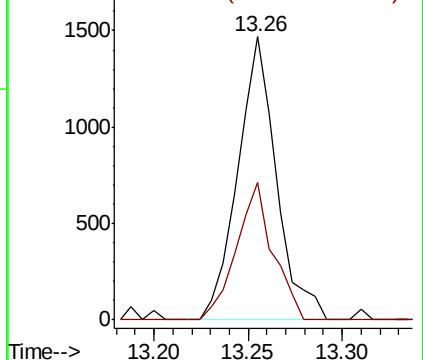
105 100

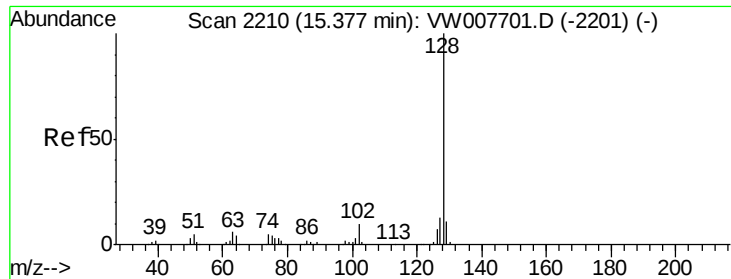
120 45.7 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 1.815 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007786.D
 Acq: 21 Dec 2018 10:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	11.2	8.8	13.2

