

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007782.D
 Acq On : 21 Dec 2018 09:06
 Operator : SY/AP
 Sample : J6389-07
 Misc : 5.93G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-1218-01

Quant Time: Dec 21 10:49:11 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	69212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	115334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	78007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	23691	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	38237	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.88	113	32110	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
50) Toluene-d8	10.32	98	89340	33.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.36%	
62) 4-Bromofluorobenzene	12.62	95	25559	24.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.88%	

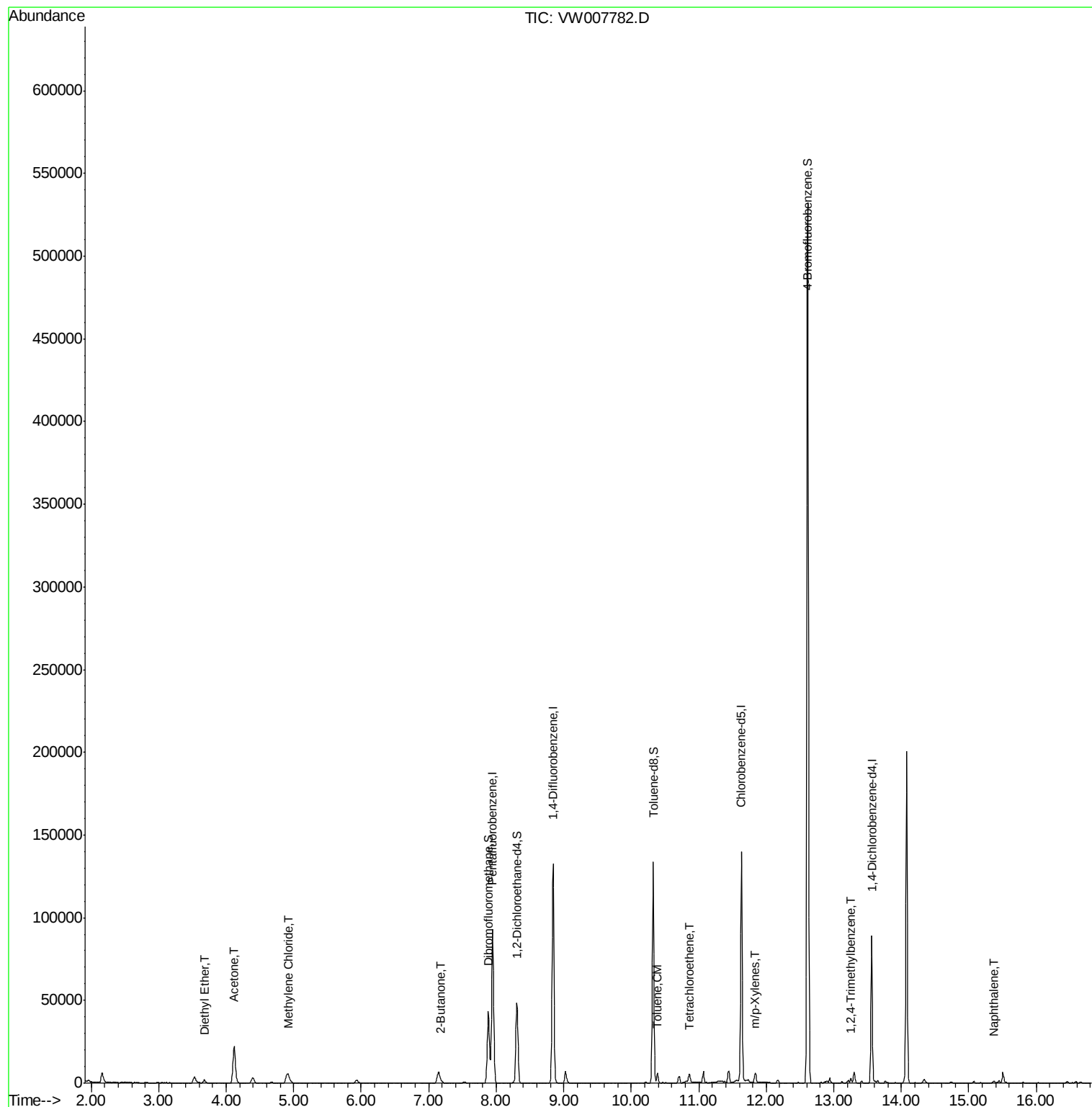
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	989	3.225	ug/l	92
16) Acetone	4.12	43	37901	266.807	ug/l	95
20) Methylene Chloride	4.91	84	6029	2.496	ug/l	96
25) 2-Butanone	7.18	43	1919	11.533	ug/l #	87
52) Toluene	10.38	92	2751	1.380	ug/l	92
64) Tetrachloroethene	10.86	164	1160	2.100	ug/l #	88
68) m/p-Xylenes	11.84	106	1683	1.497	ug/l	89
84) 1,2,4-Trimethylbenzene	13.26	105	2085	1.338	ug/l	89
95) Naphthalene	15.37	128	1559	1.665	ug/l #	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

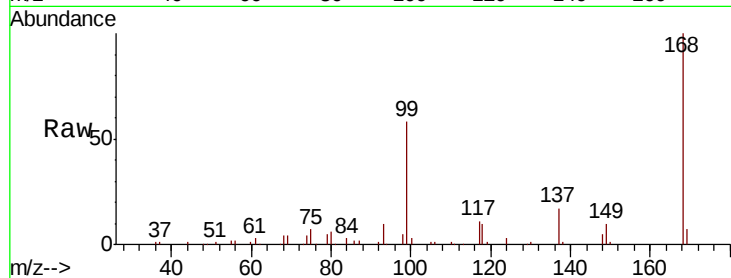
P001-SS013-1218-01

Tgt Ion: 168 Resp: 69212

Ion Ratio Lower Upper

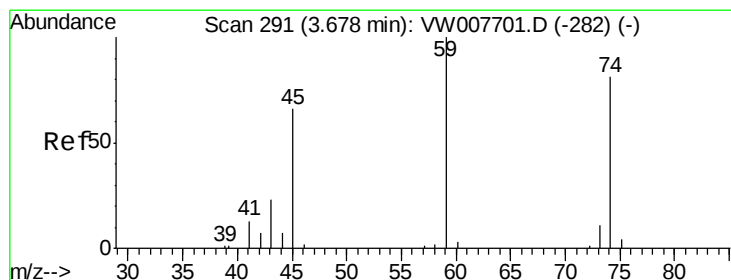
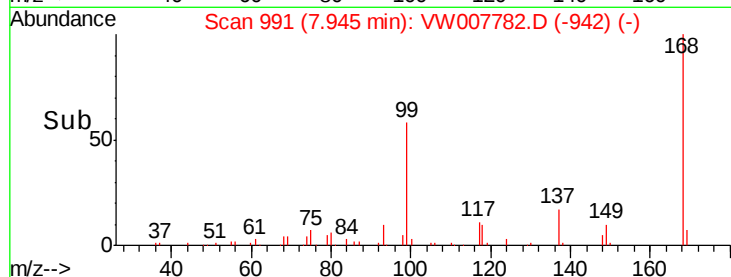
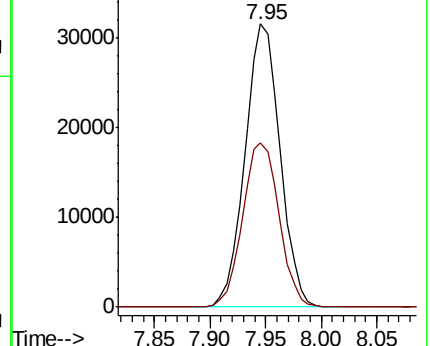
168 100

99 58.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.225 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007782.D

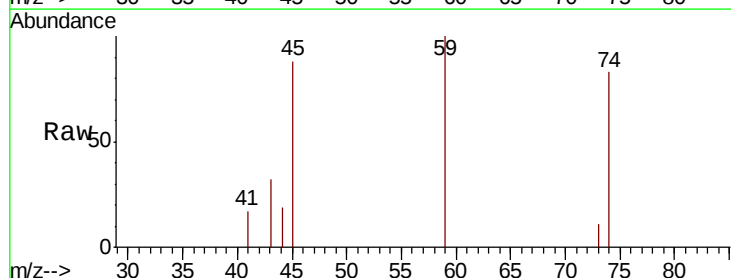
Acq: 21 Dec 2018 09:06

Tgt Ion: 74 Resp: 989

Ion Ratio Lower Upper

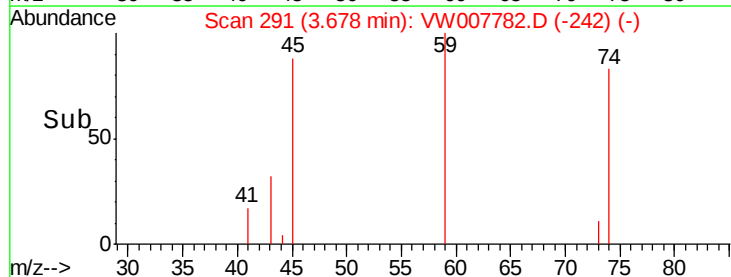
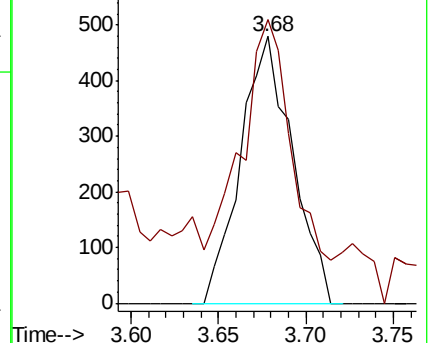
74 100

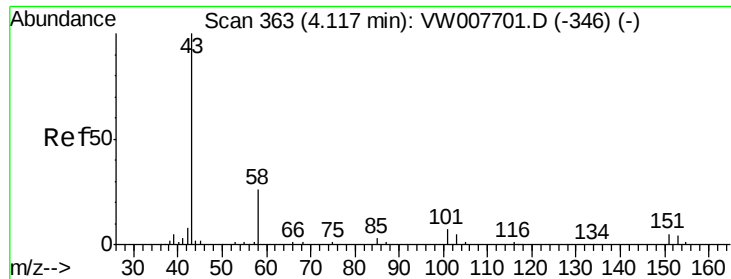
45 85.6 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 266.807 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007782.D

Acq: 21 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

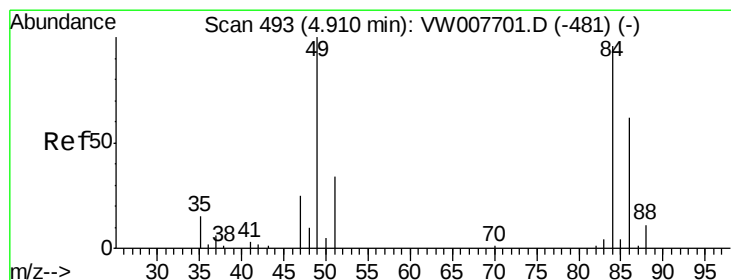
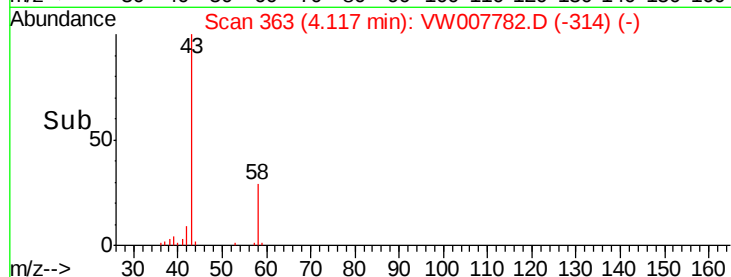
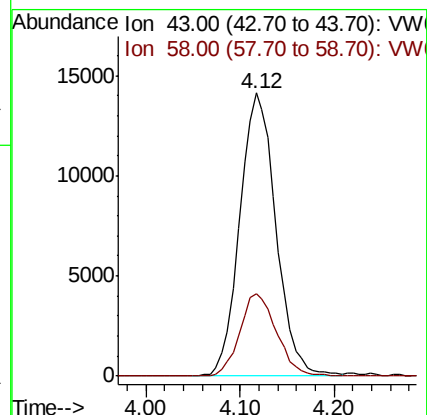
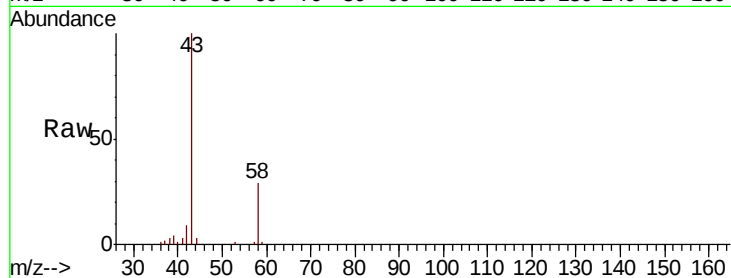
P001-SS013-1218-01

Tgt Ion: 43 Resp: 37901

Ion Ratio Lower Upper

43 100

58 29.0 21.2 31.8



#20

Methylene Chloride

Concen: 2.496 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007782.D

Acq: 21 Dec 2018 09:06

Tgt Ion: 84 Resp: 6029

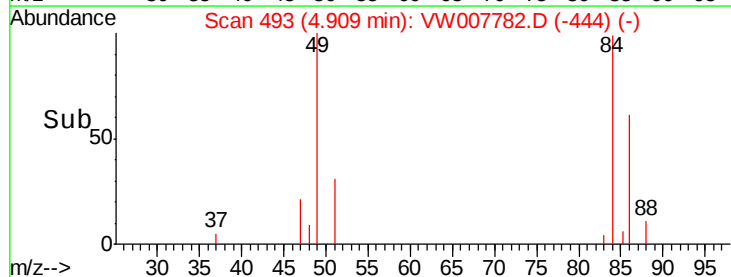
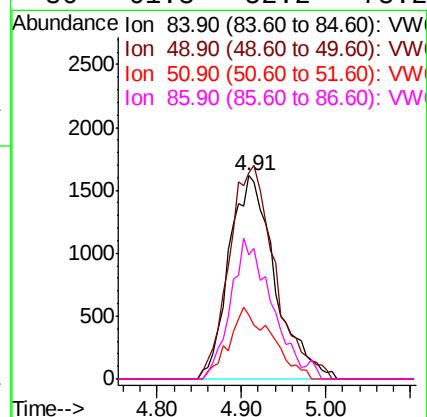
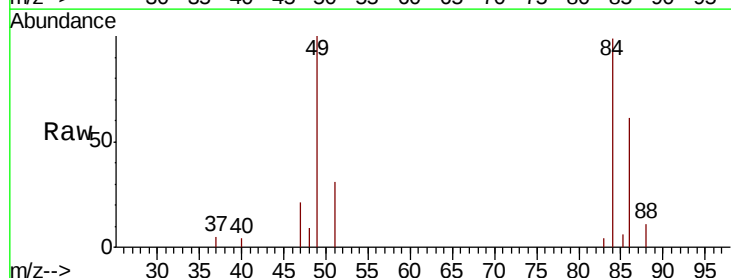
Ion Ratio Lower Upper

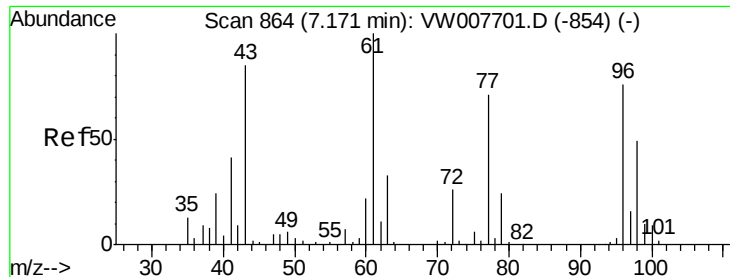
84 100

49 101.2 83.7 125.5

51 31.5 28.2 42.2

86 61.3 52.2 78.2





#25

2-Butanone

Concen: 11.533 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007782.D

Acq: 21 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

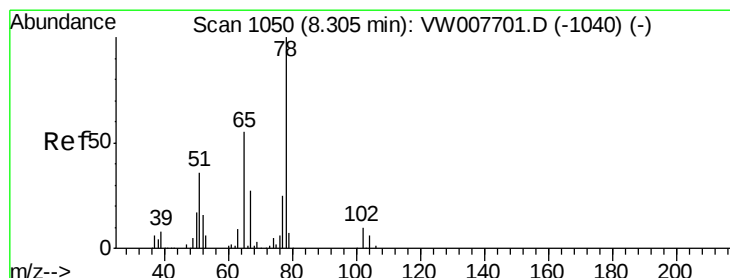
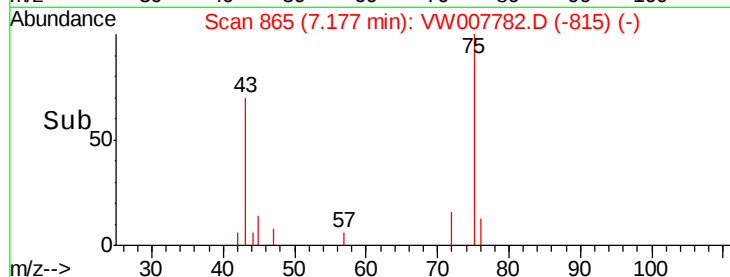
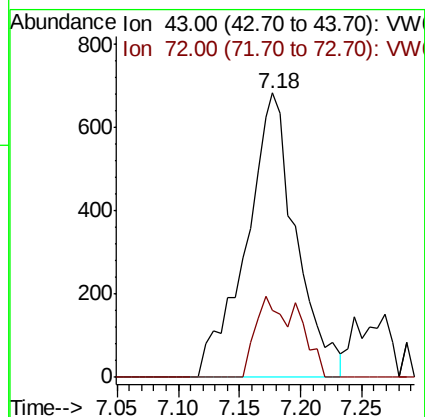
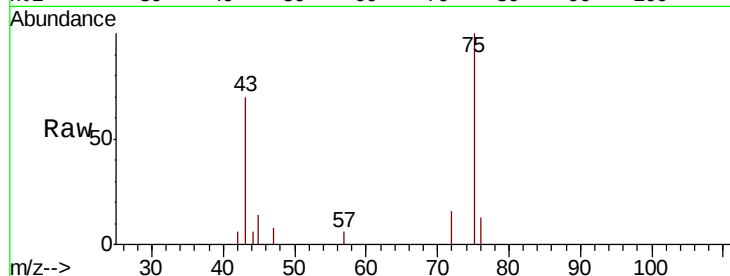
P001-SS013-1218-01

Tgt Ion: 43 Resp: 1919

Ion Ratio Lower Upper

43 100

72 23.3 24.5 36.7#



#33

1,2-Dichloroethane-d4

Concen: 50.405 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007782.D

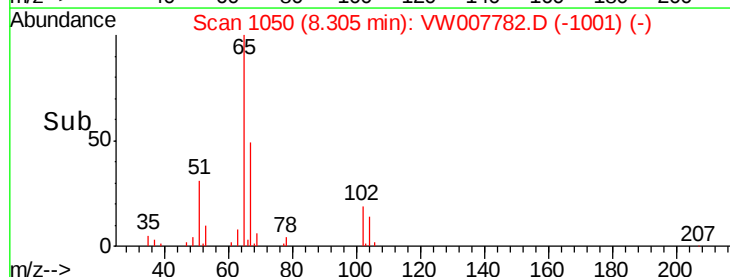
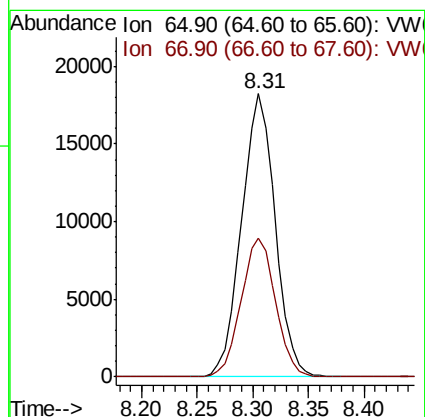
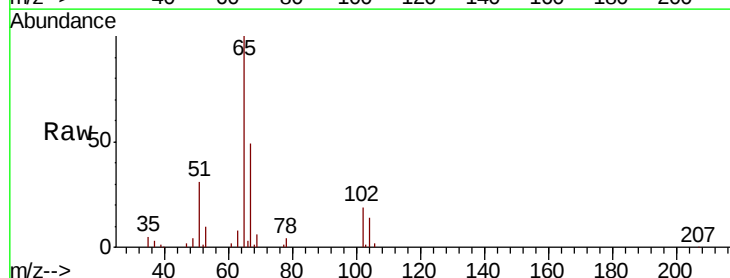
Acq: 21 Dec 2018 09:06

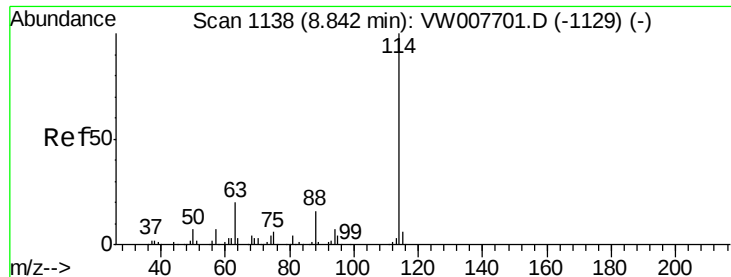
Tgt Ion: 65 Resp: 38237

Ion Ratio Lower Upper

65 100

67 50.2 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: VW007782.D

Acq: 21 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-1218-01

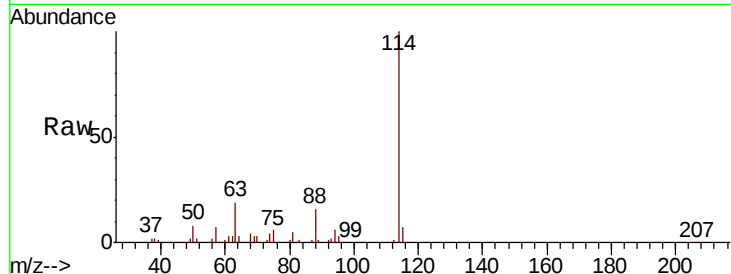
Tgt Ion:114 Resp: 115334

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

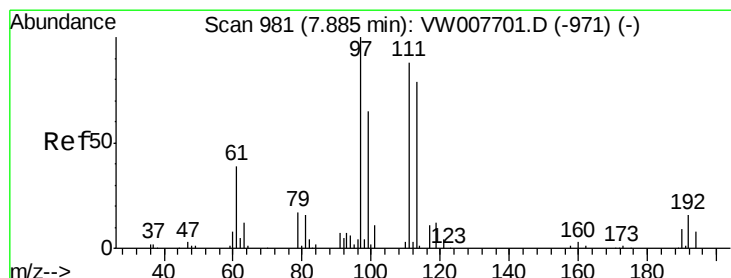
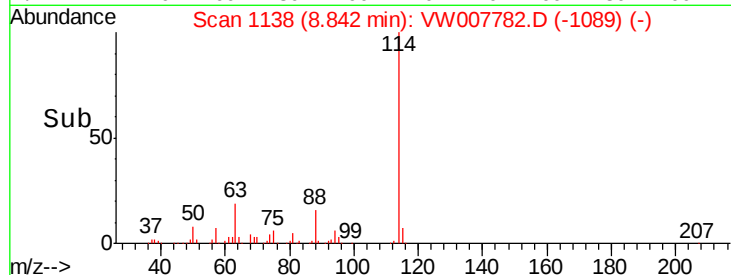
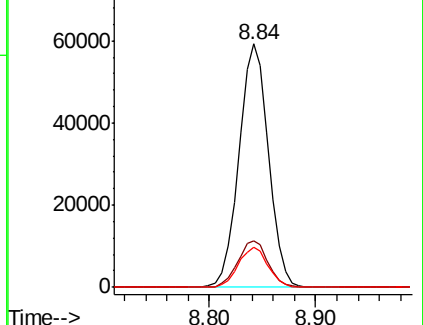
88 16.5 0.0 32.6



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: 45.637 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007782.D

Acq: 21 Dec 2018 09:06

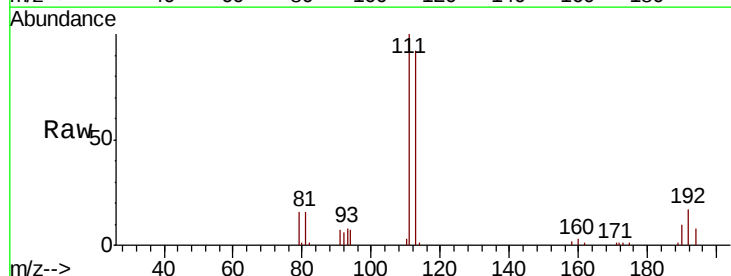
Tgt Ion:113 Resp: 32110

Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

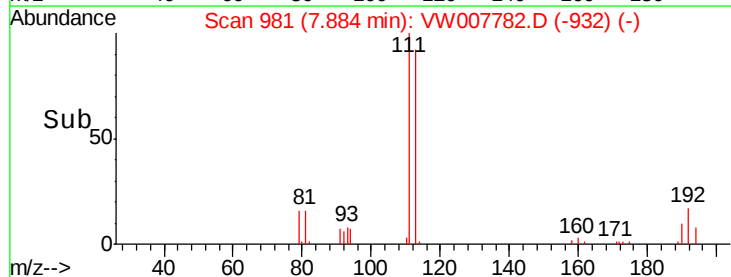
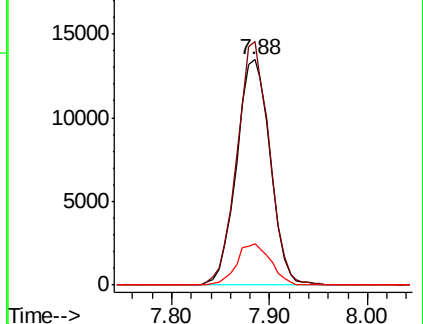
192 18.7 15.5 23.3

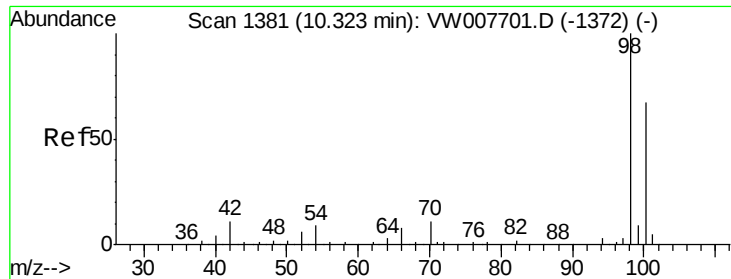


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 33.682 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007782.D

Acq: 21 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

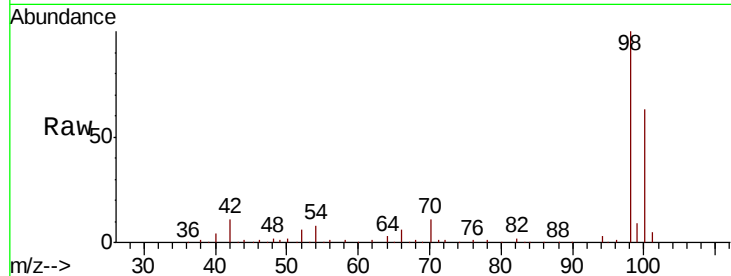
P001-SS013-1218-01

Tgt Ion: 98 Resp: 89340

Ion Ratio Lower Upper

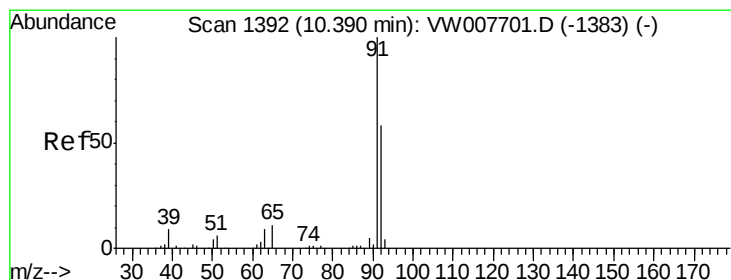
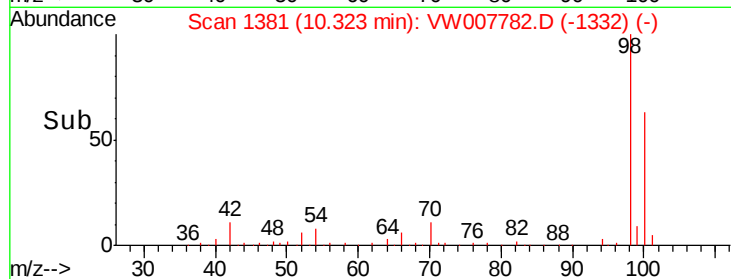
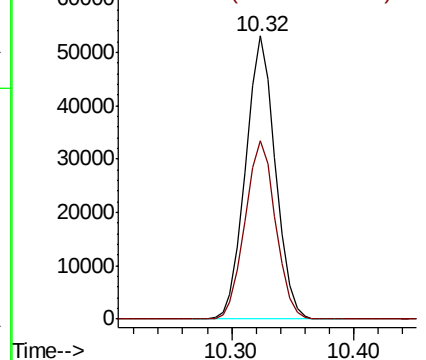
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.380 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007782.D

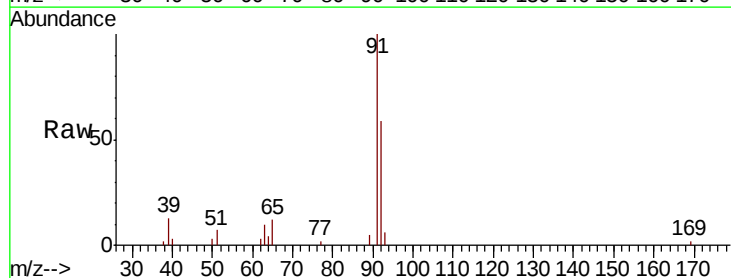
Acq: 21 Dec 2018 09:06

Tgt Ion: 92 Resp: 2751

Ion Ratio Lower Upper

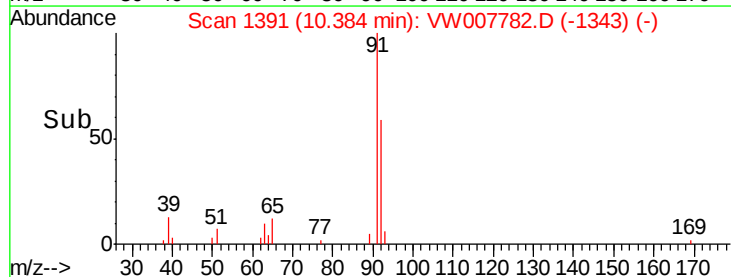
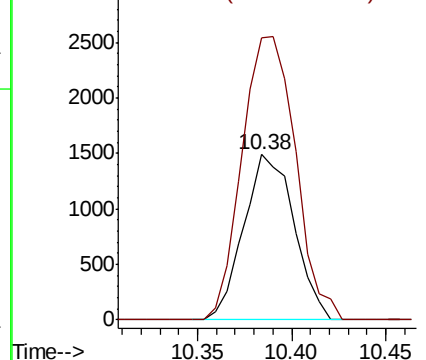
92 100

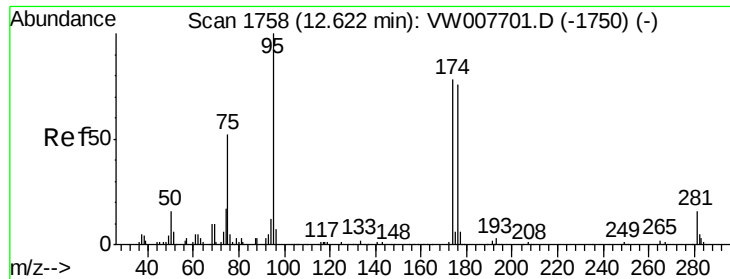
91 182.5 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 24.943 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007782.D

Acq: 21 Dec 2018 09:06

Instrument :

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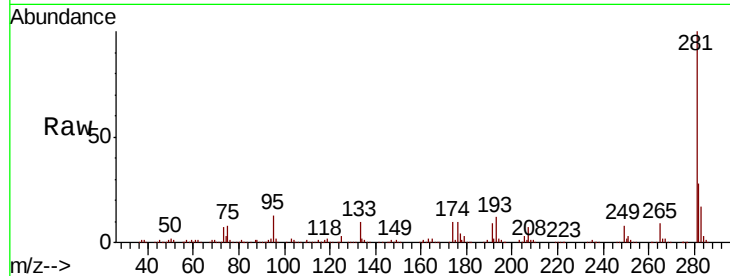
Tgt Ion: 95 Resp: 25559

Ion Ratio Lower Upper

95 100

174 75.6 0.0 152.2

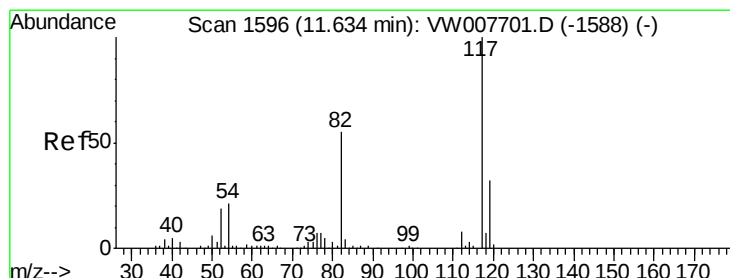
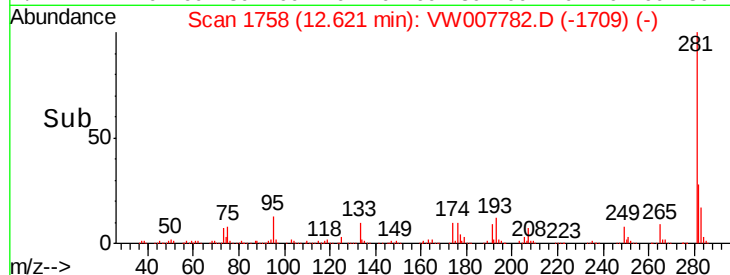
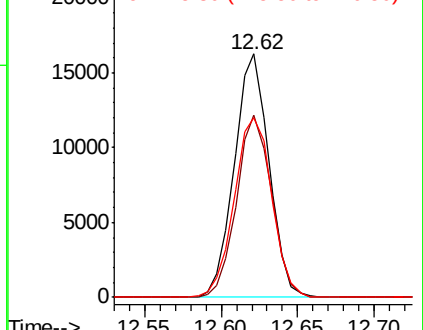
176 80.0 0.0 146.8



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: VW007782.D

Acq: 21 Dec 2018 09:06

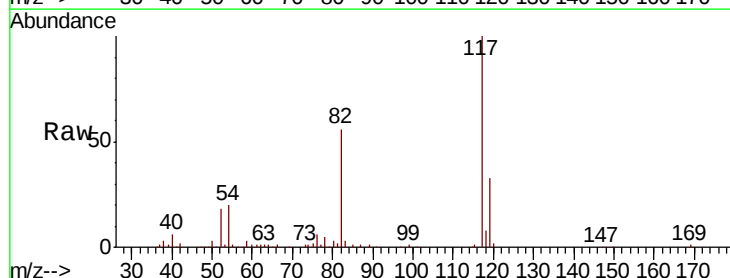
Tgt Ion: 117 Resp: 78007

Ion Ratio Lower Upper

117 100

82 56.4 44.3 66.5

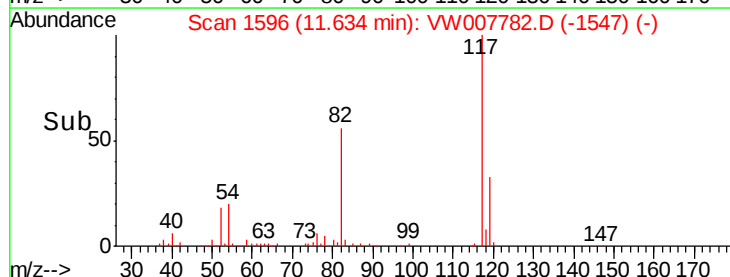
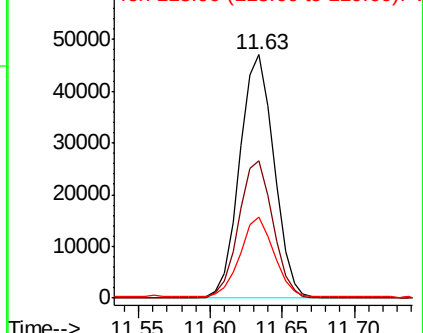
119 32.7 25.7 38.5

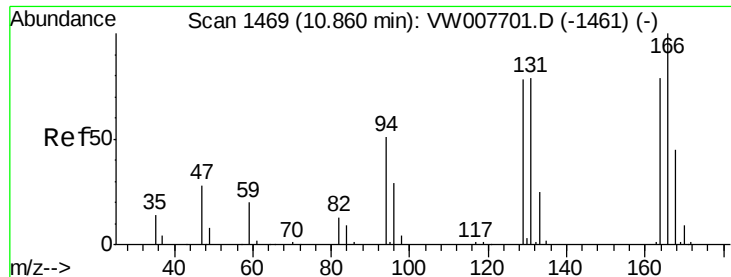


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 2.100 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW007782.D

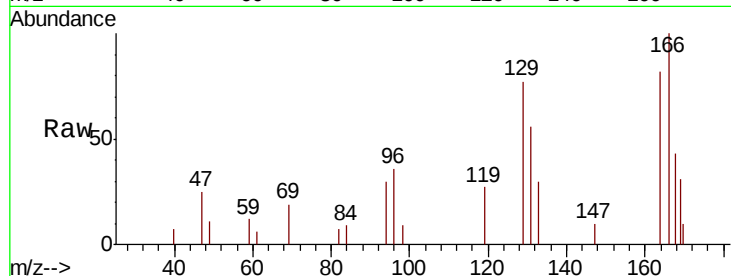
Acq: 21 Dec 2018 09:06

Instrument :

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ClientSampleId :

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Tgt Ion:164 Resp: 1160

Ion Ratio Lower Upper

164 100

166 122.0 101.0 151.6

129 94.0 78.7 118.1

131 68.1 79.4 119.0#

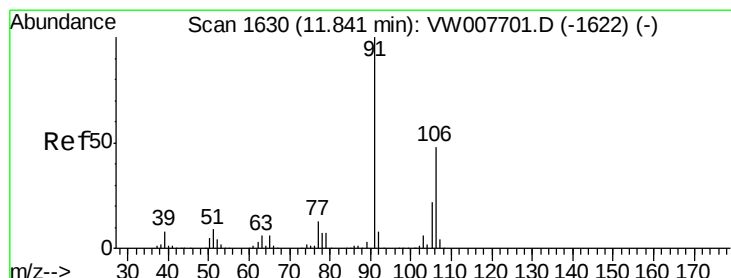
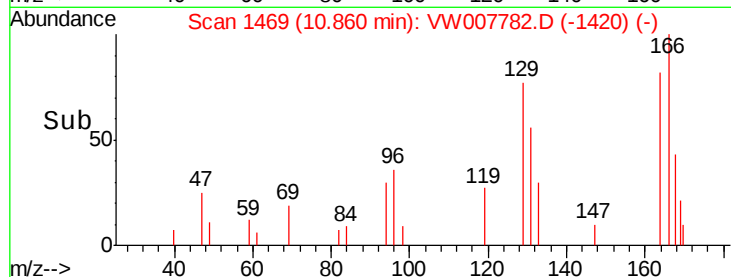
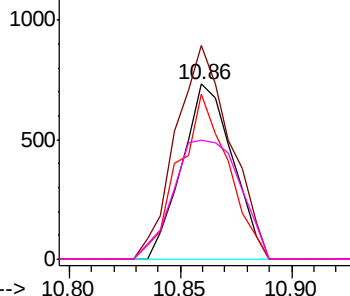
Abundance

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



#68

m/p-Xylenes

Concen: 1.497 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007782.D

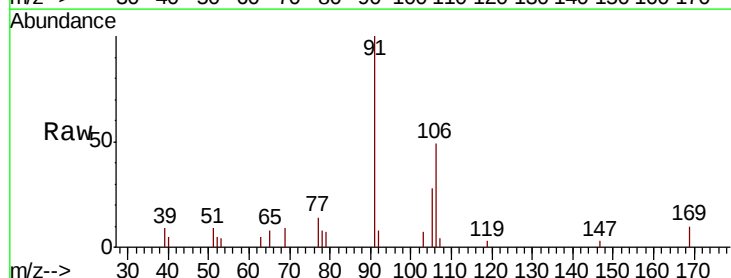
Acq: 21 Dec 2018 09:06

Tgt Ion:106 Resp: 1683

Ion Ratio Lower Upper

106 100

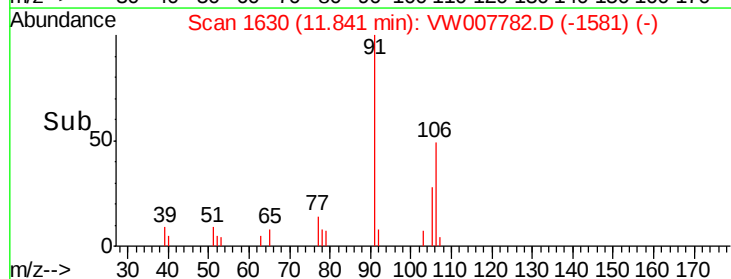
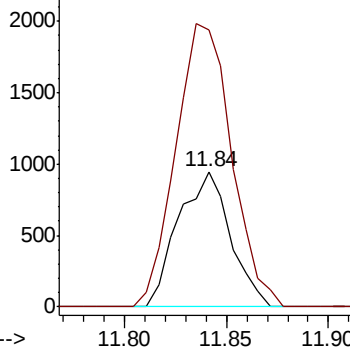
91 223.4 165.2 247.8

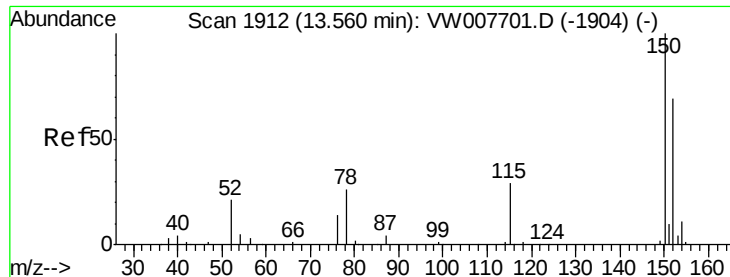


Abundance

Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007782.D

Acq: 21 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-1218-01

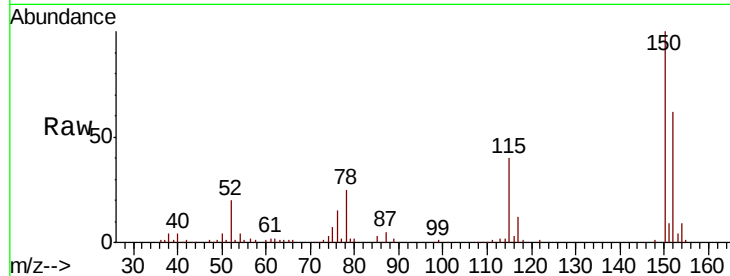
Tgt Ion:152 Resp: 23691

Ion Ratio Lower Upper

152 100

115 63.4 31.8 95.4

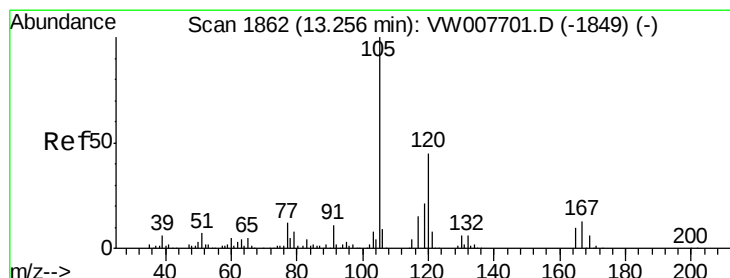
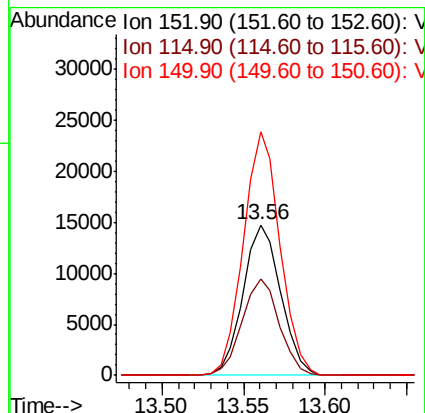
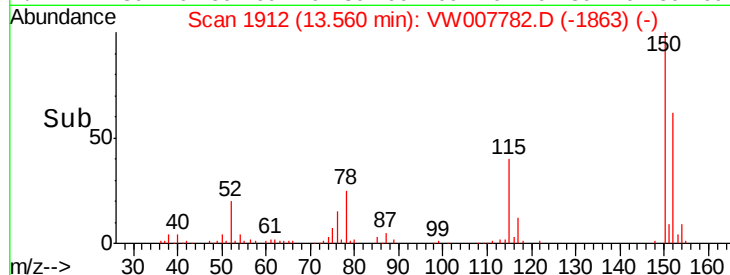
150 157.2 0.0 350.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.338 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007782.D

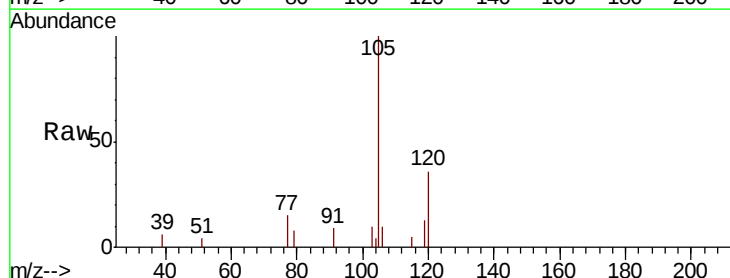
Acq: 21 Dec 2018 09:06

Tgt Ion:105 Resp: 2085

Ion Ratio Lower Upper

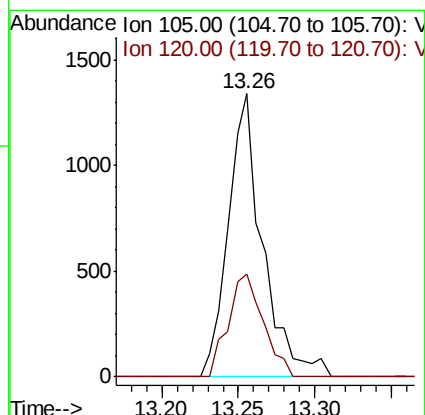
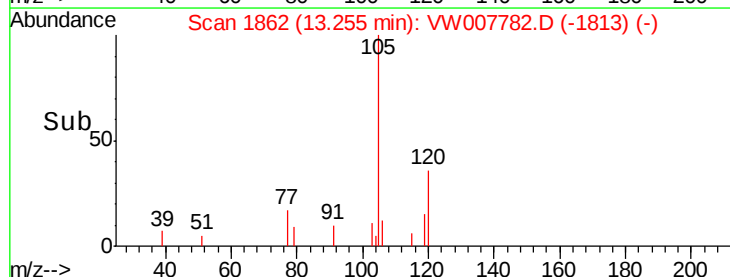
105 100

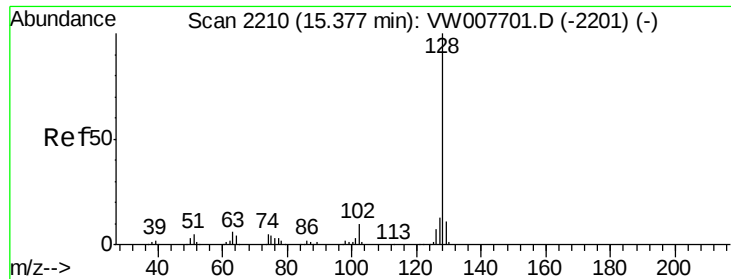
120 37.0 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.665 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007782.D

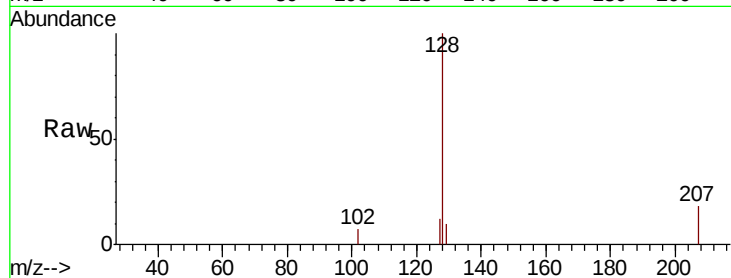
Acq: 21 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-1218-01



Tgt Ion:	128	Resp:	1559
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.7	16.1
129	8.2	8.8	13.2#

