

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003461.D
 Acq On : 23 Jun 2018 15:36
 Operator : SY/AP
 Sample : J3664-04
 Misc : 6.46G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB482-17-19-180619

Quant Time: Jun 25 03:53:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	333699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	139394	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	78784	36.14	ug/l	0.00
Spiked Amount			Recovery	=	72.28%	
35) Dibromofluoromethane	7.88	113	65334	31.51	ug/l	0.00
Spiked Amount			Recovery	=	63.02%	
50) Toluene-d8	10.33	98	236030	28.71	ug/l	0.00
Spiked Amount			Recovery	=	57.42%	
62) 4-Bromofluorobenzene	12.63	95	82205	28.25	ug/l	0.00
Spiked Amount			Recovery	=	56.50%	

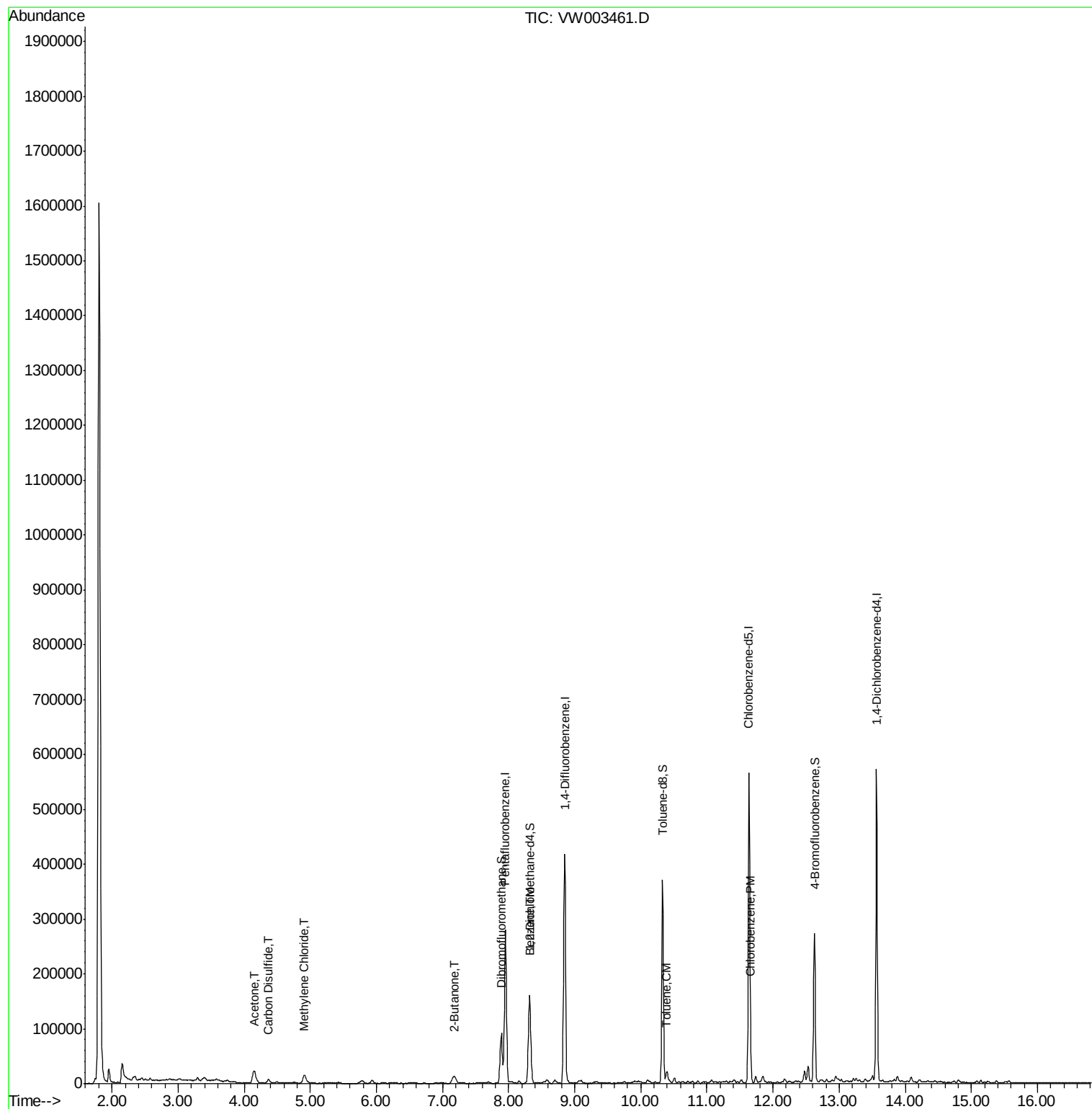
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	52637	115.13	ug/l	95
17) Carbon Disulfide	4.37	76	13995	2.60	ug/l #	93
20) Methylene Chloride	4.90	84	11206	2.27	ug/l	91
25) 2-Butanone	7.18	43	13291	23.38	ug/l	97
40) Benzene	8.33	78	89255	10.05	ug/l	99
52) Toluene	10.40	92	7873	1.38	ug/l	98
65) Chlorobenzene	11.66	112	17601	2.82	ug/l	98

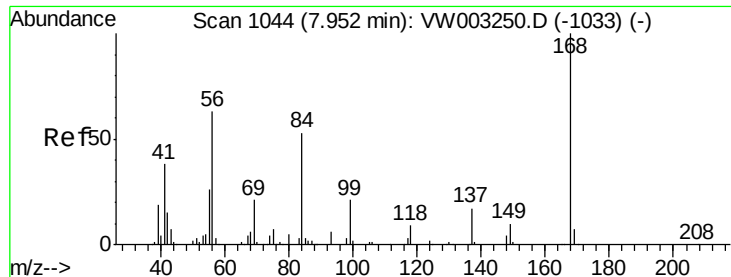
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003461.D

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Instrument :

MSVOA_W

ClientSampleId :

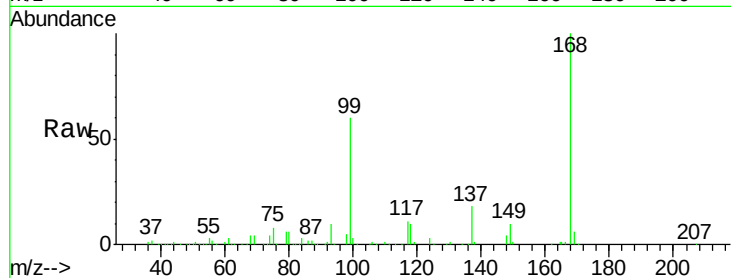
WP021SB482-17-19-180619

Tot Ion:168 Resp: 201249

Ion Ratio Lower Upper

168 100

99 59.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

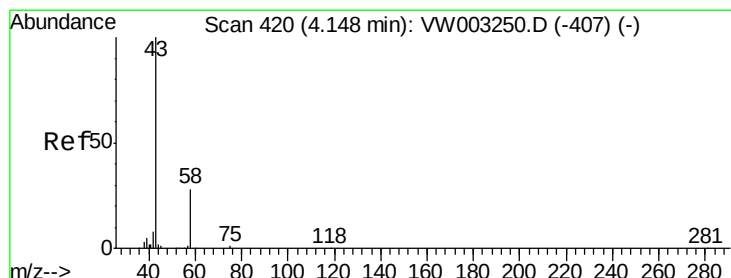
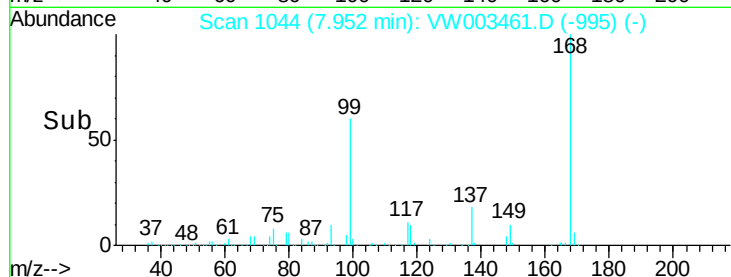
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 115.13 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003461.D

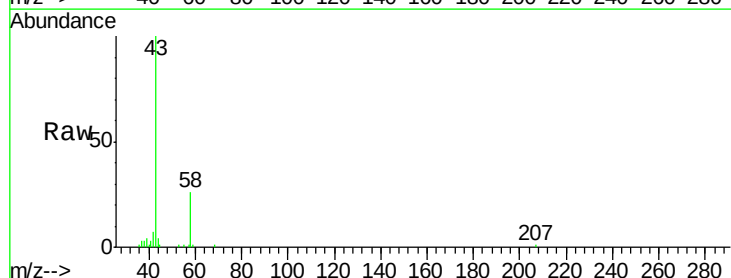
Acq: 23 Jun 2018 15:36

Tgt Ion: 43 Resp: 52637

Ion Ratio Lower Upper

43 100

58 25.9 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

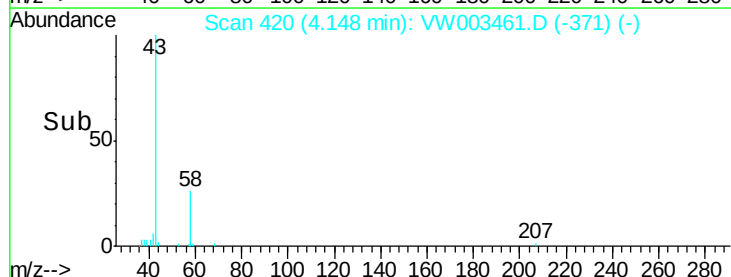
15000

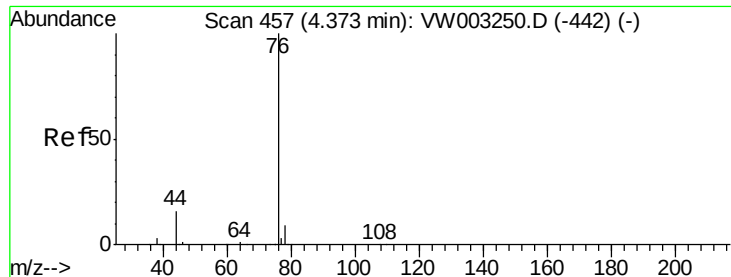
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 2.60 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003461.D

Acq: 23 Jun 2018 15:36

Instrument :

MSVOA_W

ClientSampleId :

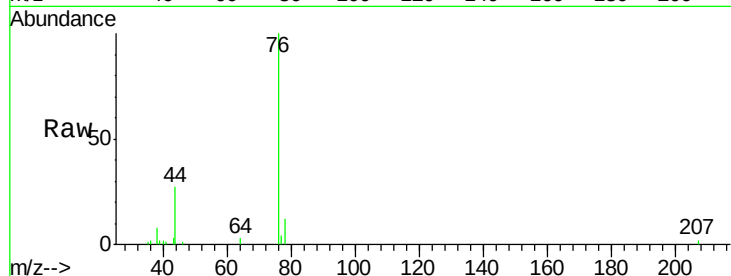
WP021SB482-17-19-180619

Tot Ion: 76 Resp: 13995

Ion Ratio Lower Upper

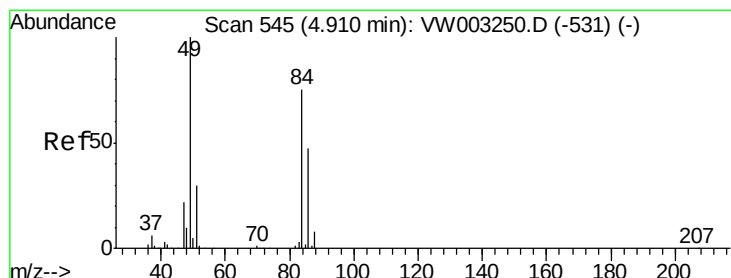
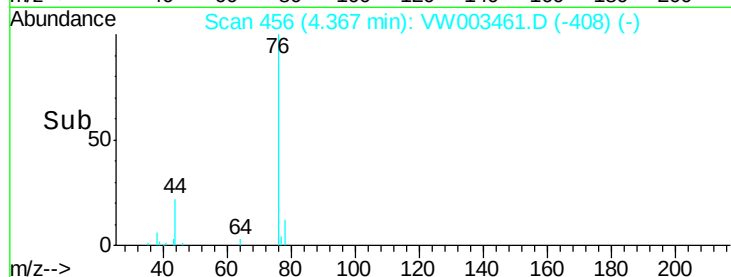
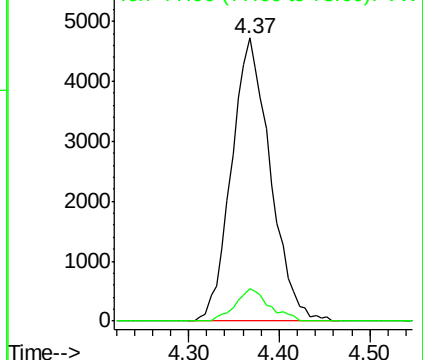
76 100

78 11.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.27 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003461.D

Acq: 23 Jun 2018 15:36

Tgt Ion: 84 Resp: 11206

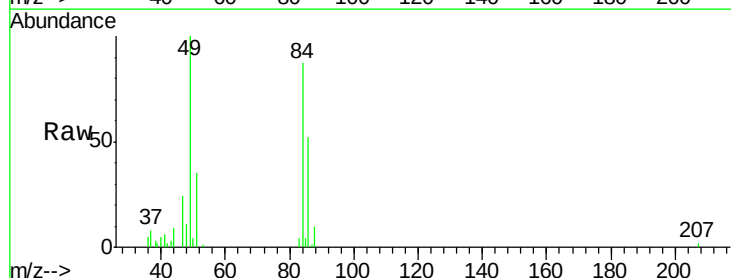
Ion Ratio Lower Upper

84 100

49 115.3 106.3 159.5

51 40.5 32.0 48.0

86 59.9 49.9 74.9

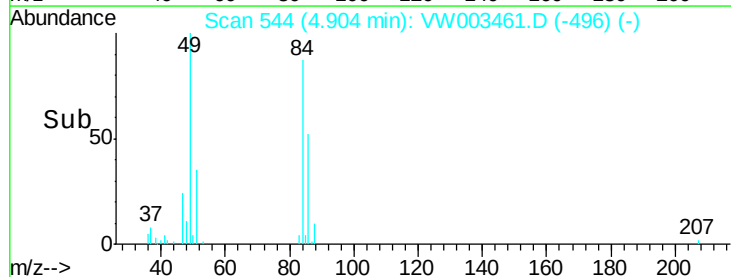
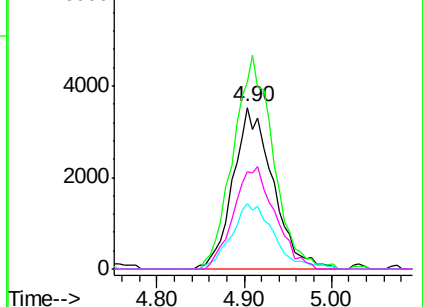


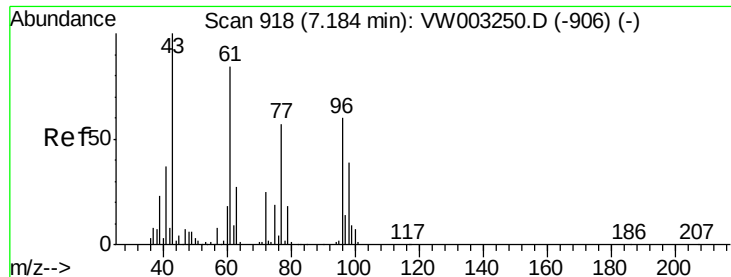
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 23.38 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003461.D

Acq: 23 Jun 2018 15:36

Instrument :

MSVOA_W

ClientSampleId :

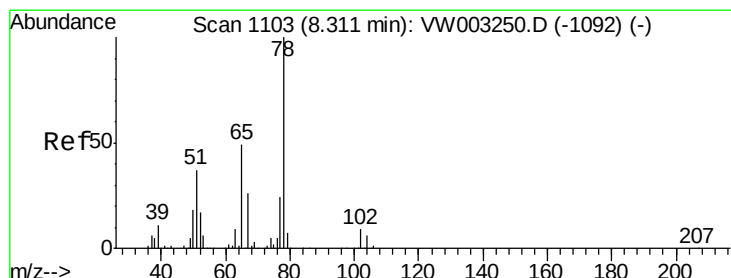
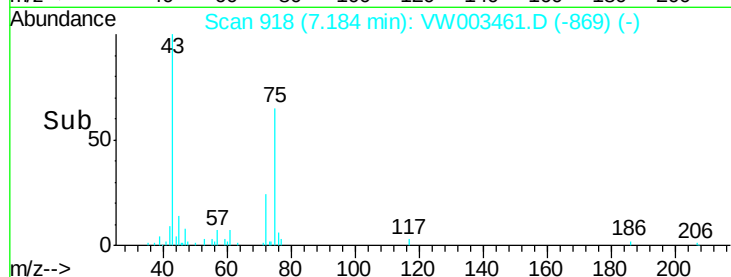
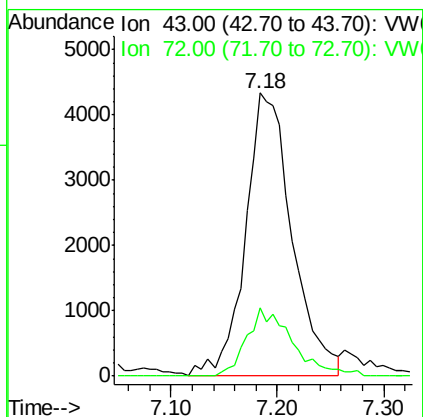
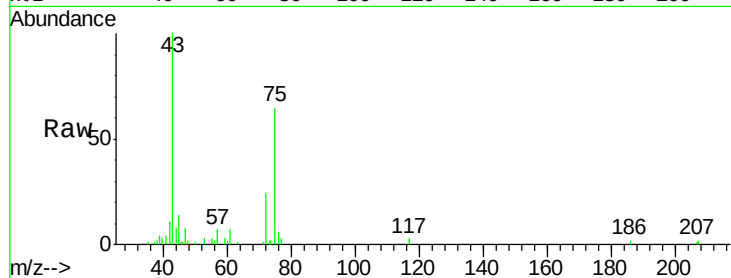
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Tot Ion: 43 Resp: 13291

Ion Ratio Lower Upper

43 100

72 24.0 20.3 30.5



#33

1,2-Dichloroethane-d4

Concen: 36.14 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003461.D

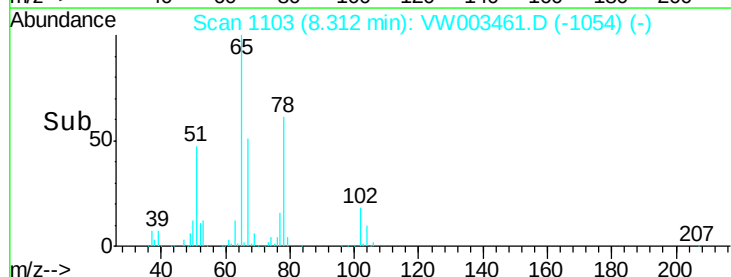
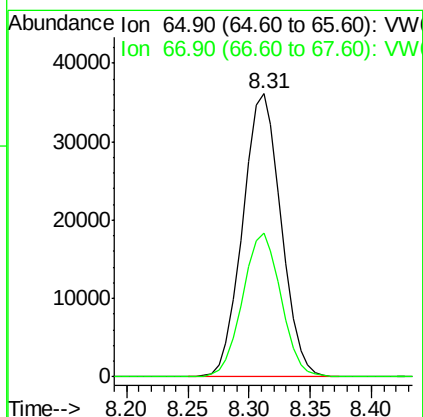
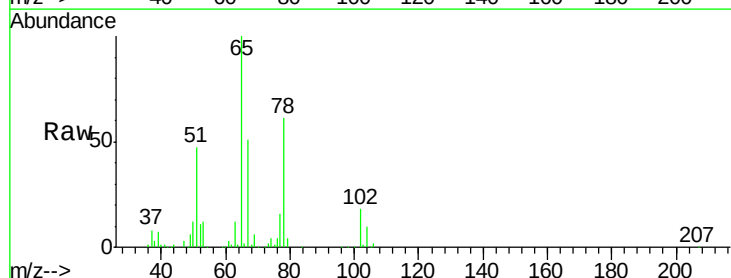
Acq: 23 Jun 2018 15:36

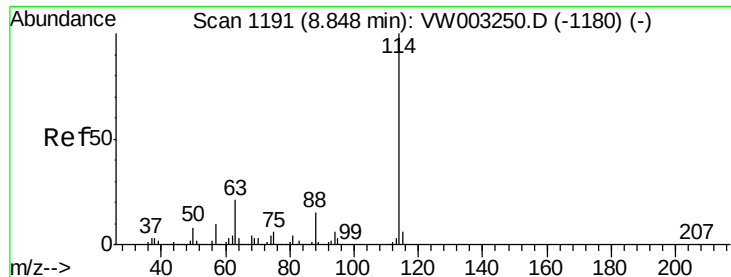
Tgt Ion: 65 Resp: 78784

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.2

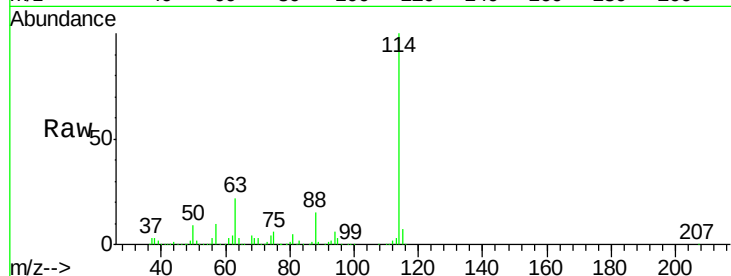




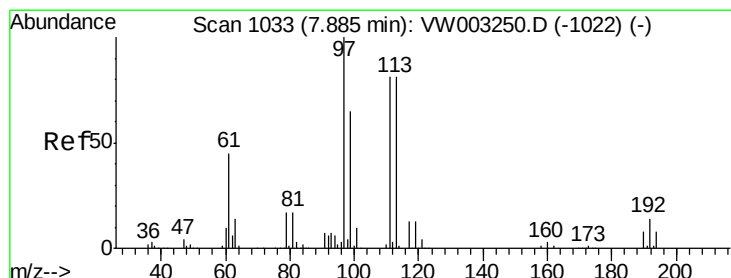
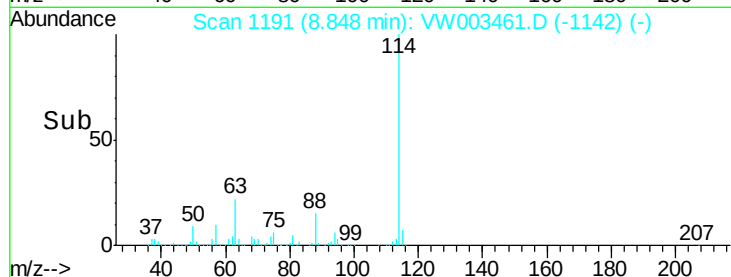
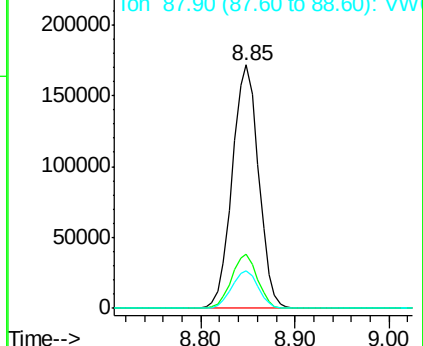
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003461.D
 Acq: 23 Jun 2018 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB482-17-19-180619

Tot Ion:114 Resp: 333699
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.0
 88 15.4 0.0 29.6

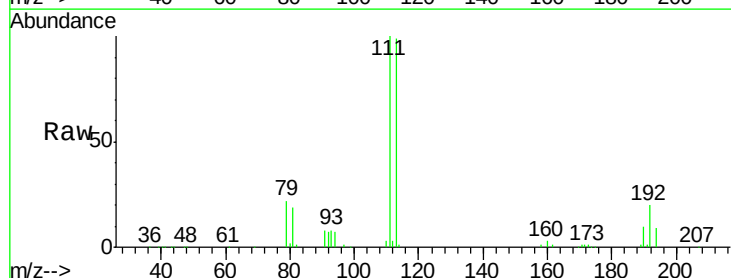


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

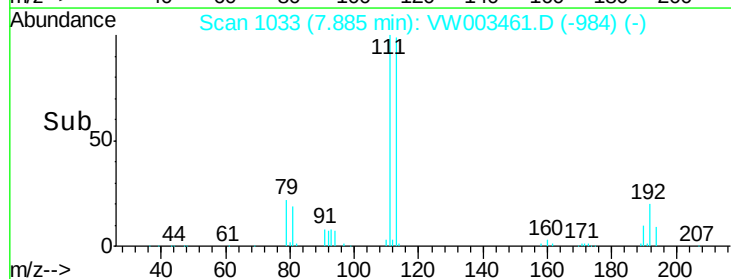
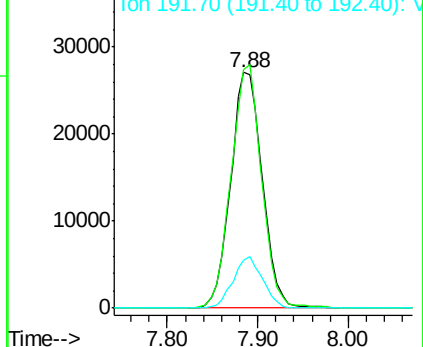


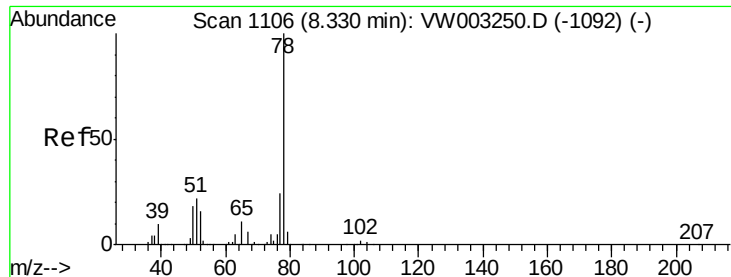
#35
 Dibromofluoromethane
 Concen: 31.51 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003461.D
 Acq: 23 Jun 2018 15:36

Tgt Ion:113 Resp: 65334
 Ion Ratio Lower Upper
 113 100
 111 99.6 82.2 123.2
 192 20.3 16.2 24.2



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





#40

Benzene

Concen: 10.05 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003461.D

Acq: 23 Jun 2018 15:36

Instrument :

MSVOA_W

ClientSampleId :

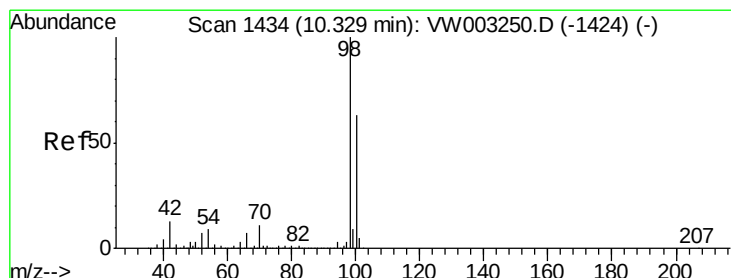
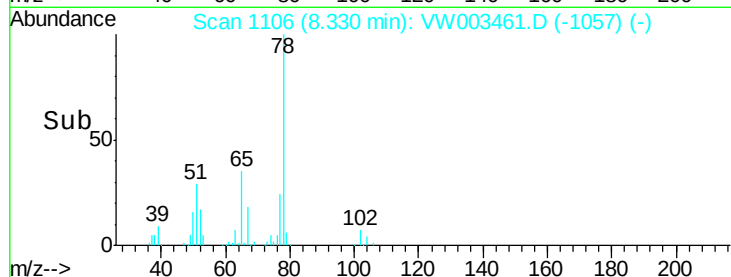
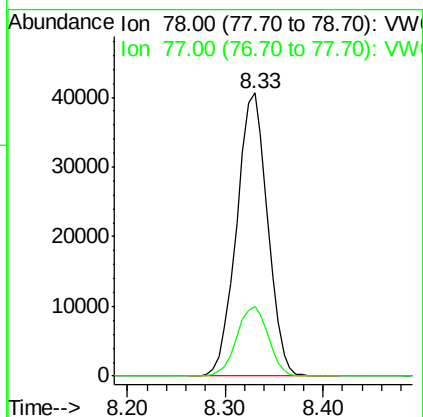
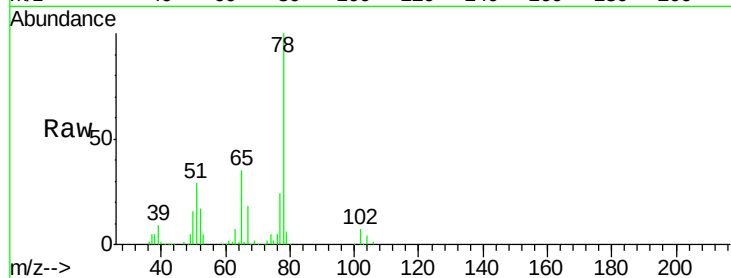
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Tot Ion: 78 Resp: 89255

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.6



#50

Toluene-d8

Concen: 28.71 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003461.D

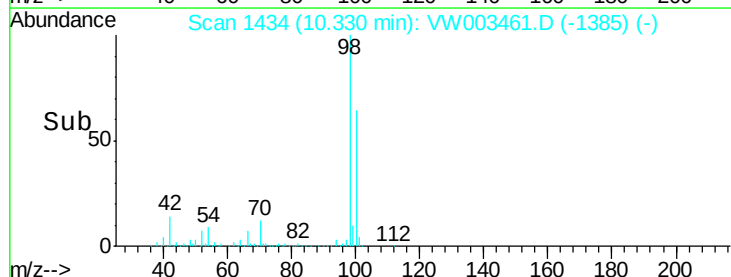
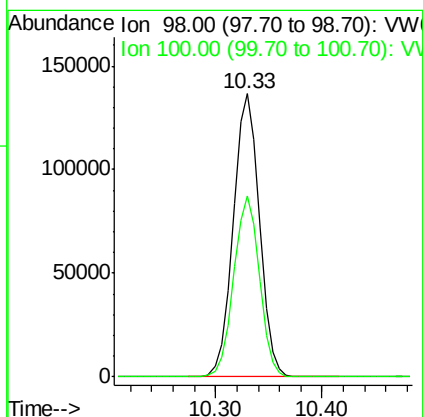
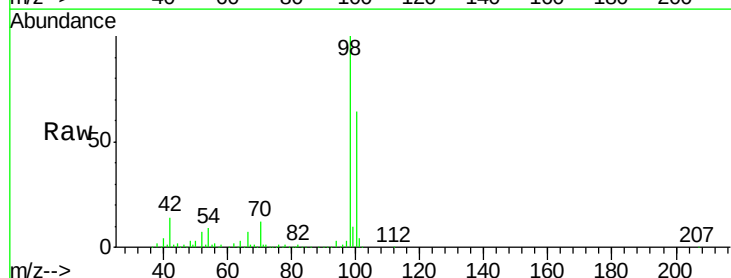
Acq: 23 Jun 2018 15:36

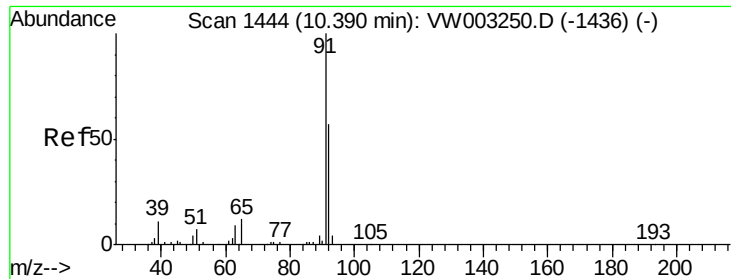
Tgt Ion: 98 Resp: 236030

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2





#52

Toluene

Concen: 1.38 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW003461.D

Acq: 23 Jun 2018 15:36

Instrument :

MSVOA_W

ClientSampleId :

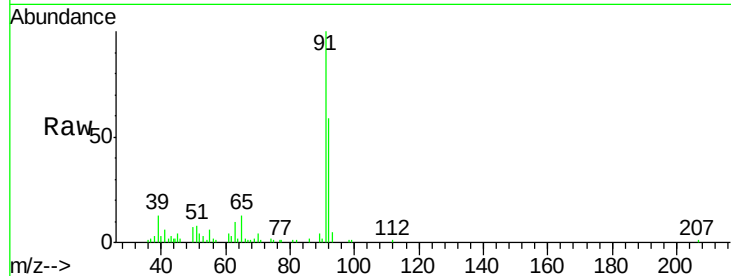
WP021SB482-17-19-180619

Tot Ion: 92 Resp: 7873

Ion Ratio Lower Upper

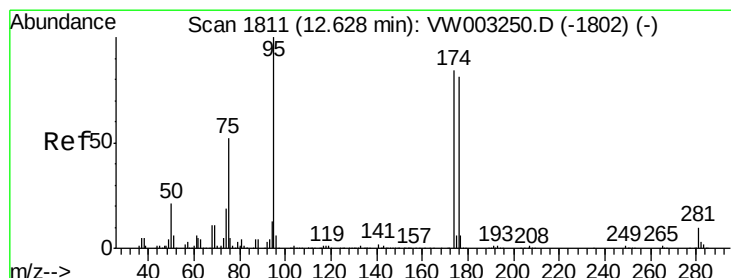
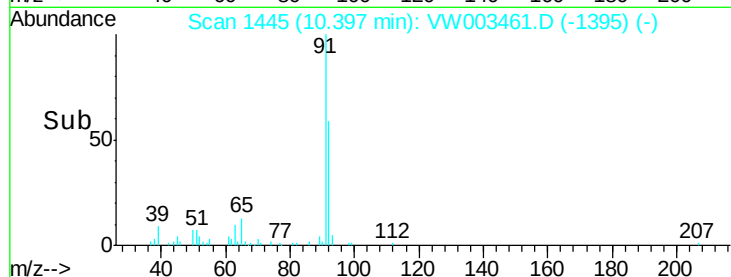
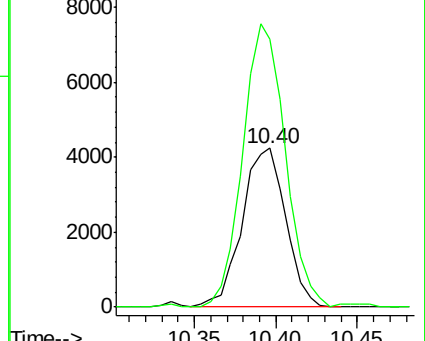
92 100

91 174.0 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 28.25 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003461.D

Acq: 23 Jun 2018 15:36

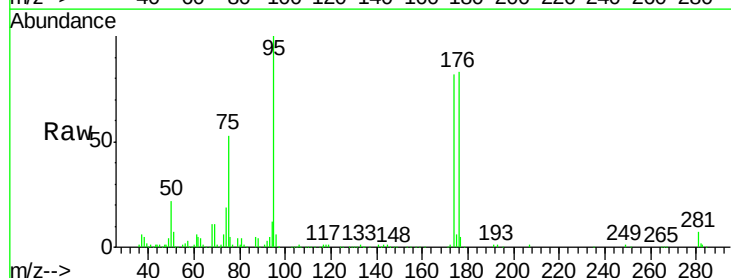
Tgt Ion: 95 Resp: 82205

Ion Ratio Lower Upper

95 100

174 83.0 0.0 166.4

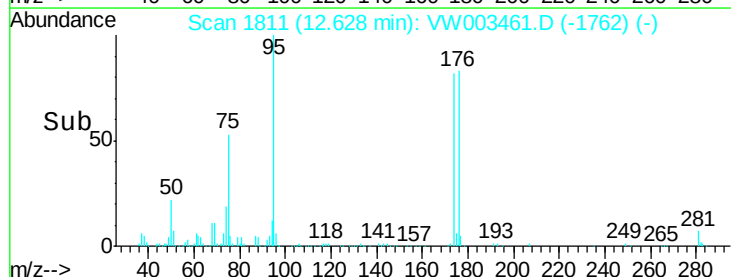
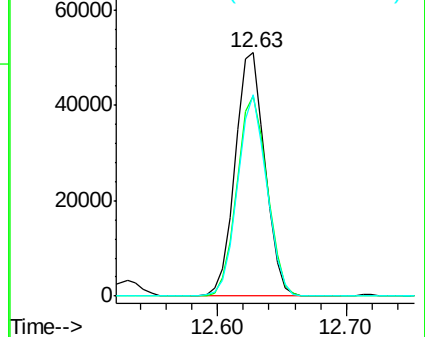
176 80.4 0.0 162.0

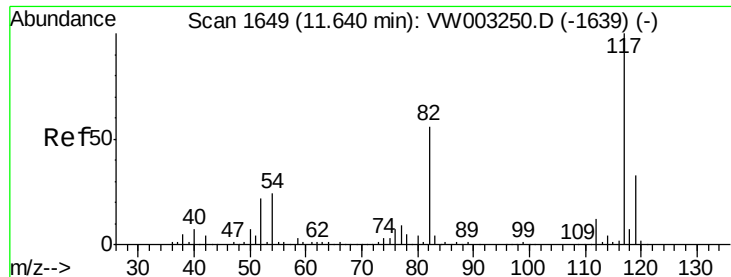


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

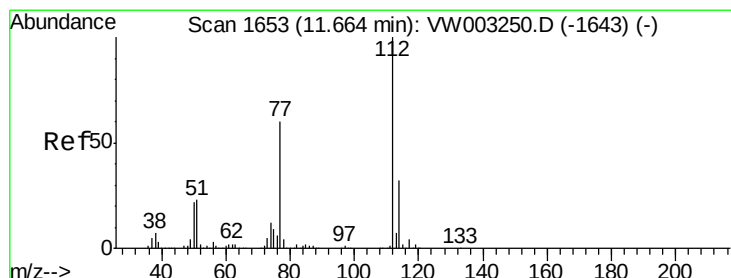
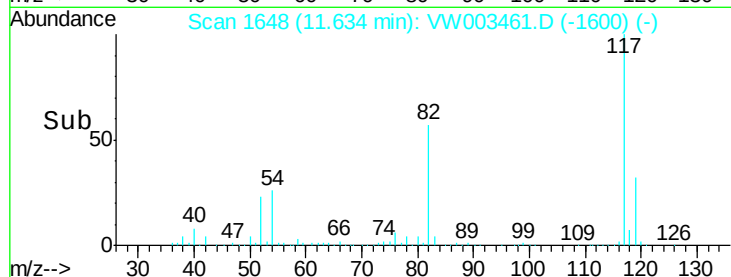
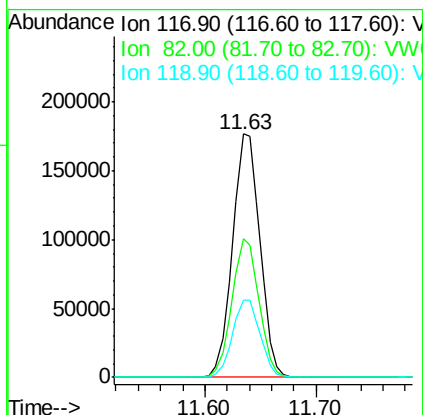
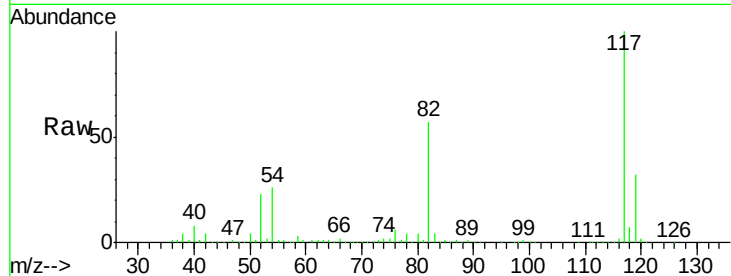




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003461.D
Acq: 23 Jun 2018 15:36

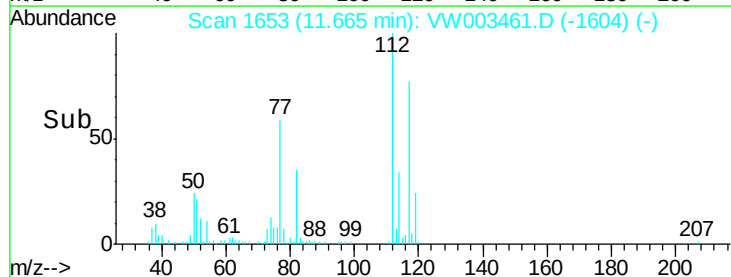
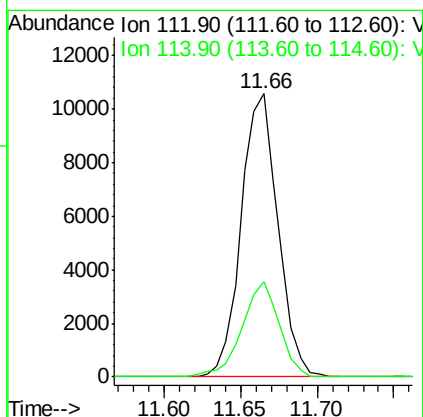
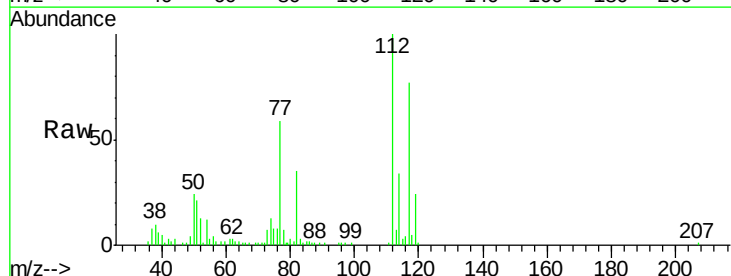
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MSVOA_W
ClientSampleId :
WP021SB482-17-19-180619

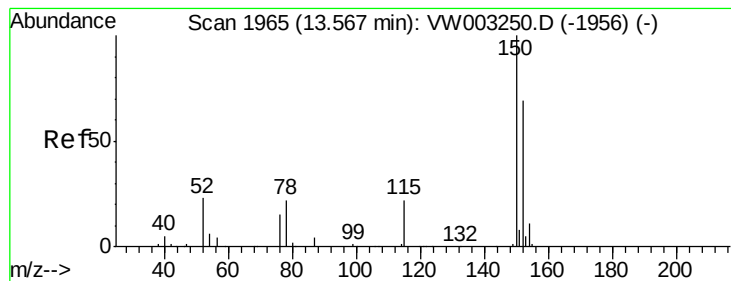
Tot Ion:117 Resp: 299665
Ion Ratio Lower Upper
117 100
82 57.1 44.6 67.0
119 31.7 26.7 40.1



#65
Chlorobenzene
Concen: 2.82 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003461.D
Acq: 23 Jun 2018 15:36

Tgt Ion:112 Resp: 17601
Ion Ratio Lower Upper
112 100
114 33.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003461.D

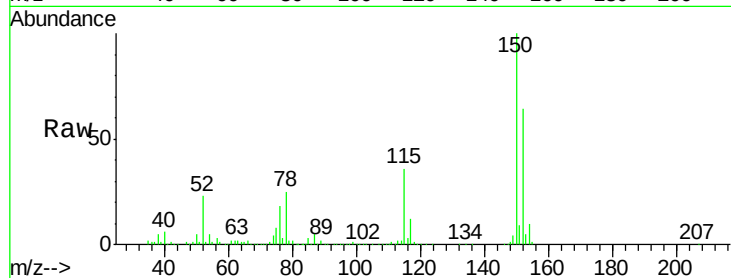
Acq: 23 Jun 2018 15:36

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion:	152	Resp:	139394
Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.3	88.0
150	159.5	0.0	349.6

