

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012169.D
 Acq On : 26 Aug 2019 13:48
 Operator : SY/VA
 Sample : K4524-01
 Misc : 4.2G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TT-014-IDWSO-20190823

Quant Time: Aug 27 05:26:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

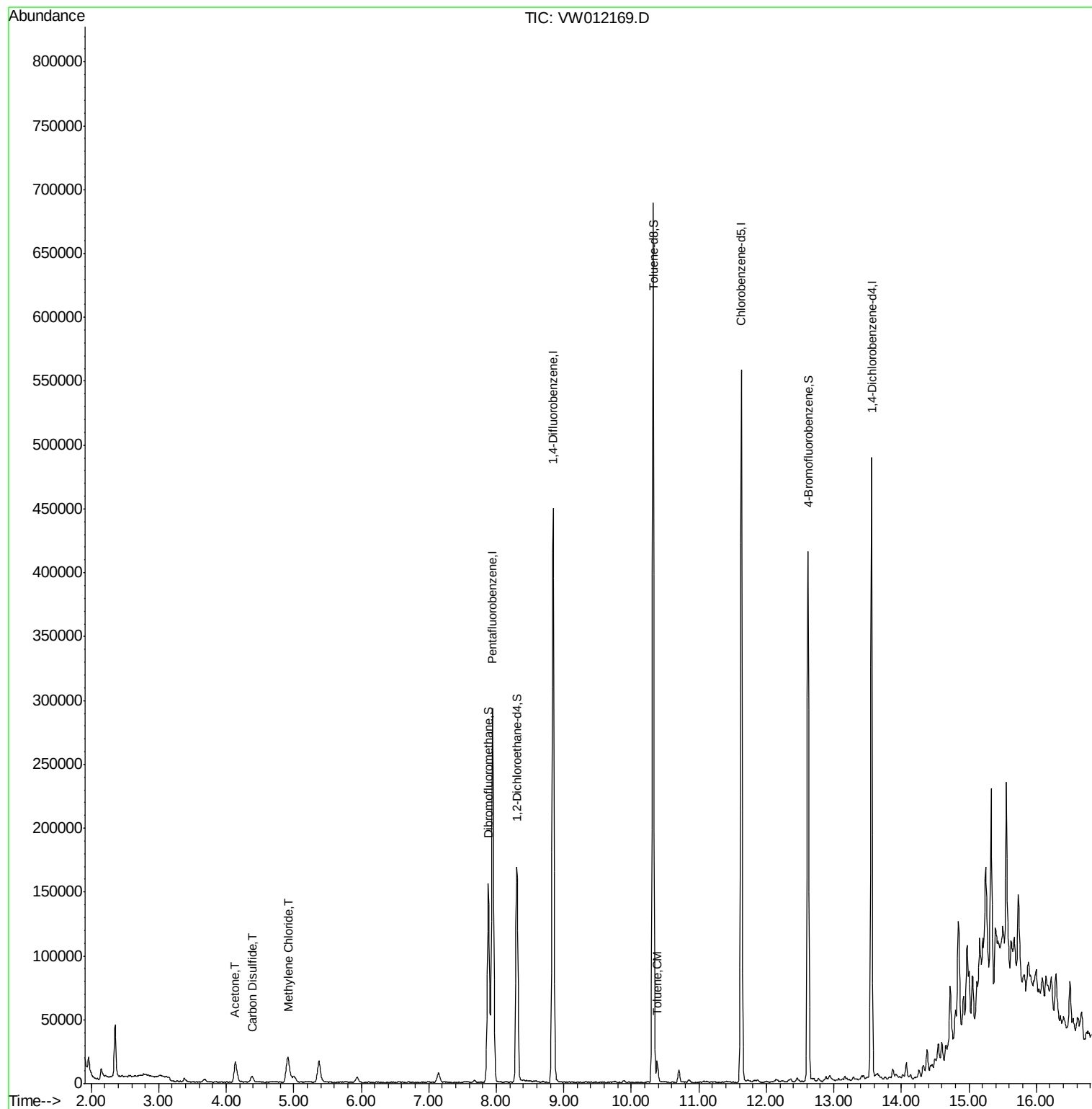
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119830	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134564	54.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.40%	
35) Dibromofluoromethane	7.88	113	108977	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	
50) Toluene-d8	10.32	98	429920	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	136162	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
Target Compounds						
16) Acetone	4.14	43	32872	51.795	ug/l	93
17) Carbon Disulfide	4.38	76	10277	1.623	ug/l	96
20) Methylene Chloride	4.92	84	15631	6.515	ug/l	98
52) Toluene	10.39	92	6414	1.076	ug/l	97

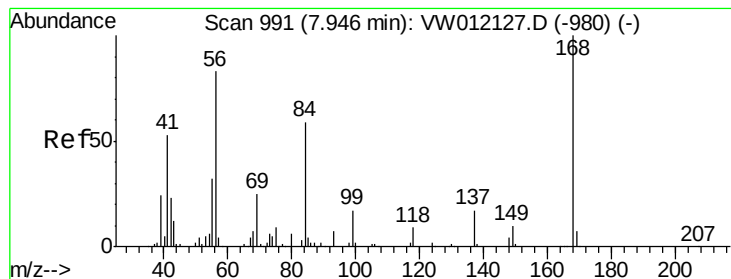
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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Instrument :

MSVOA_W

ClientSampleId :

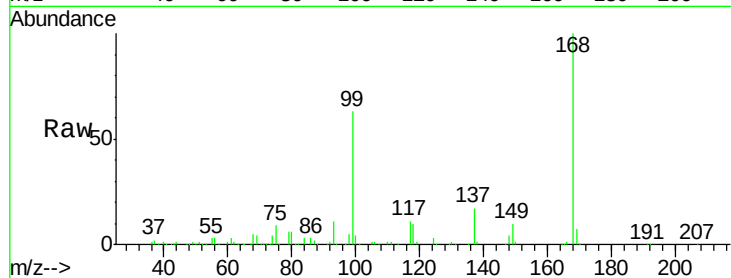
TT-014-IDWSO-20190823

Tot Ion:168 Resp: 208857

Ion Ratio Lower Upper

168 100

99 62.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

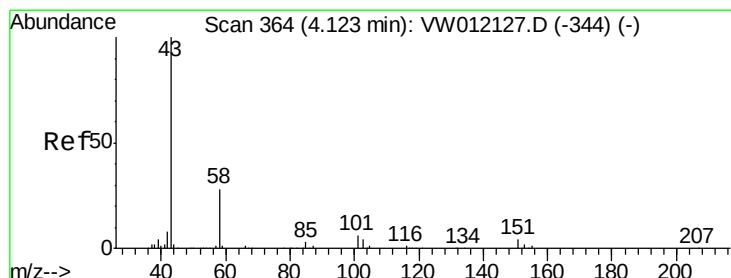
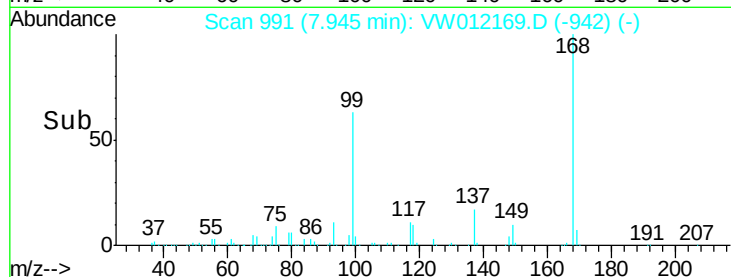
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 51.795 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012169.D

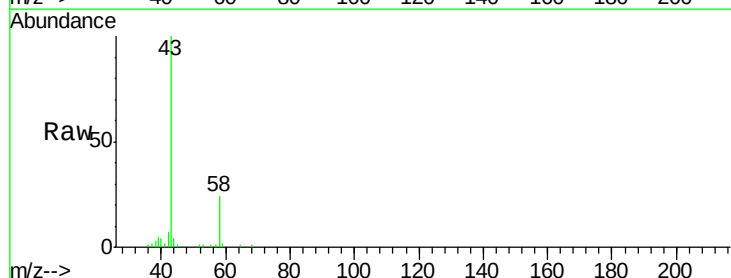
Acq: 26 Aug 2019 13:48

Tgt Ion: 43 Resp: 32872

Ion Ratio Lower Upper

43 100

58 24.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

12000

10000

8000

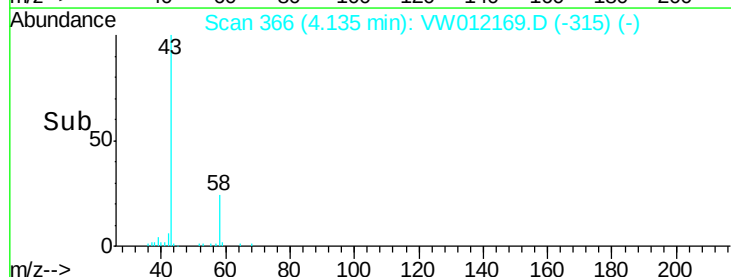
6000

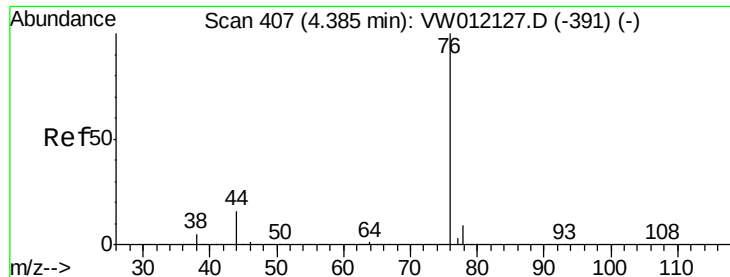
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 1.623 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

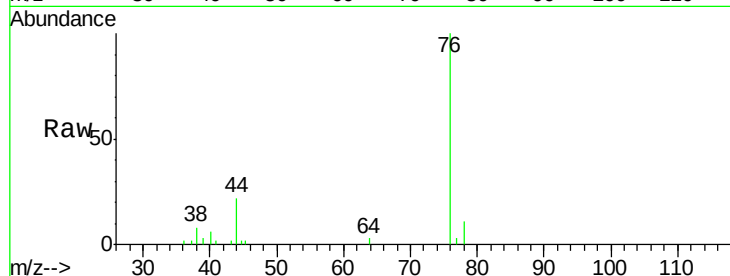
TT-014-IDWSO-20190823

Tot Ion: 76 Resp: 10277

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

3000

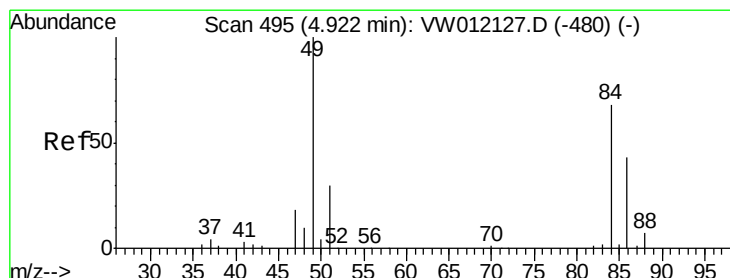
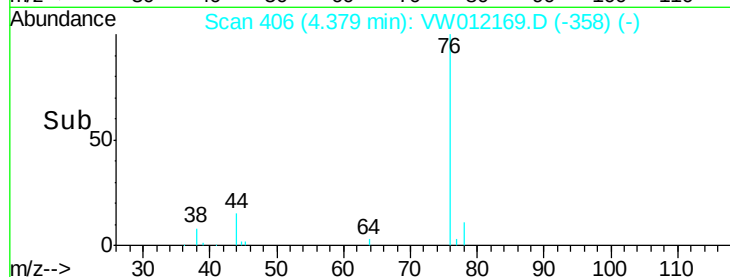
2000

1000

0

Time-->

4.30 4.35 4.40 4.45 4.50



#20

Methylene Chloride

Concen: 6.515 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Tgt Ion: 84 Resp: 15631

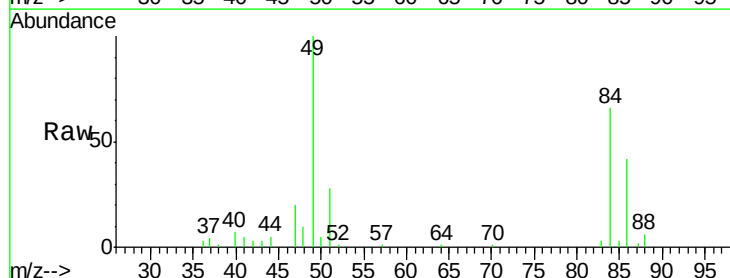
Ion Ratio Lower Upper

84 100

49 148.7 117.8 176.8

51 41.4 35.6 53.4

86 62.8 51.2 76.8



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

4.92

10000

8000

6000

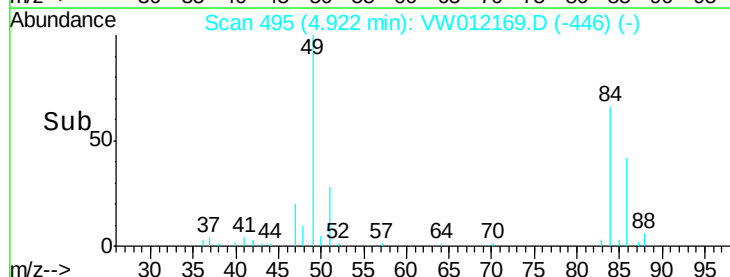
4000

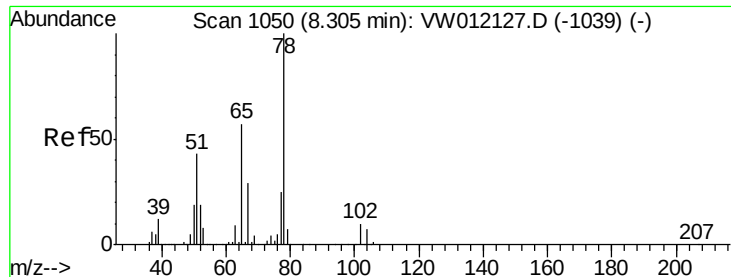
2000

0

Time-->

4.80 4.90 5.00





#33

1,2-Dichloroethane-d4

Concen: 54.198 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

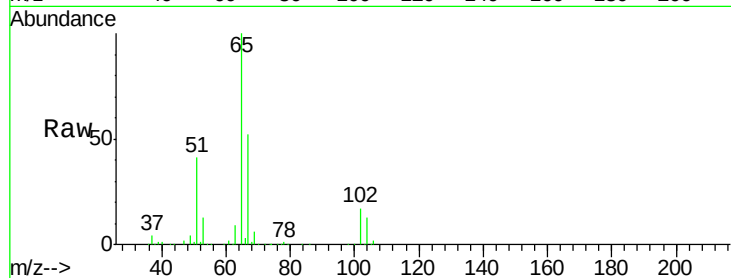
TT-014-IDWSO-20190823

Tot Ion: 65 Resp: 134564

Ion Ratio Lower Upper

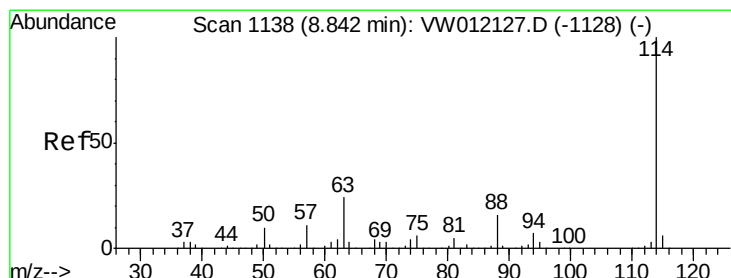
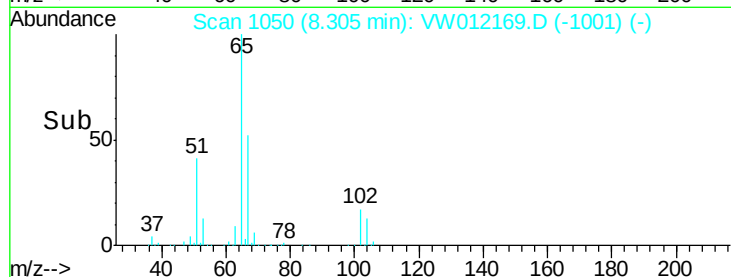
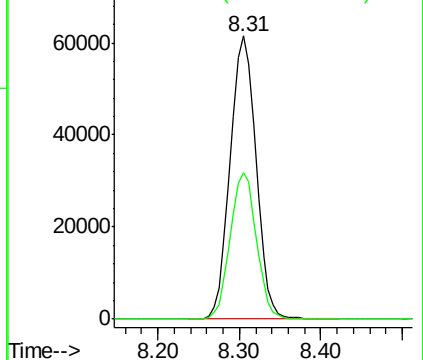
65 100

67 52.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

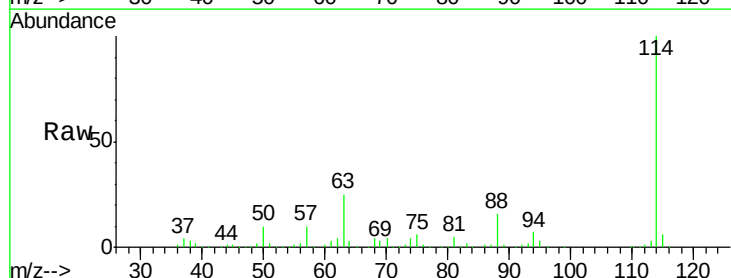
Tgt Ion: 114 Resp: 351752

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

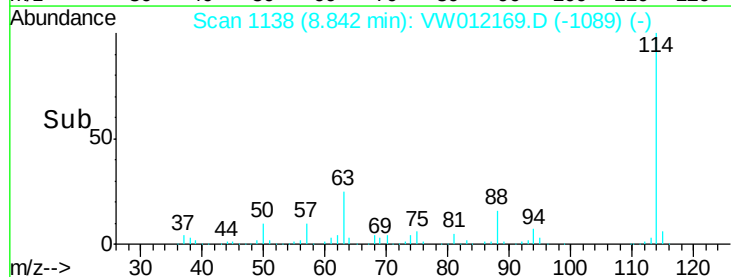
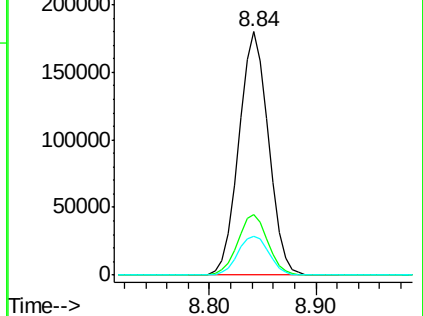
88 16.1 0.0 32.2

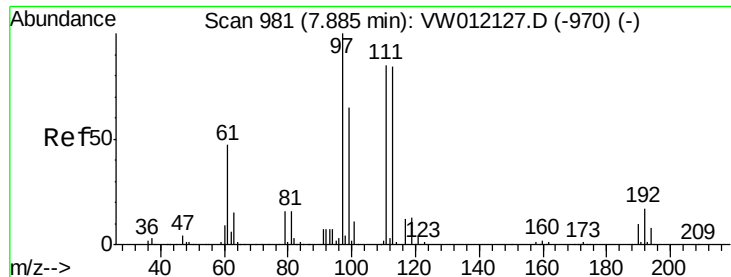


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

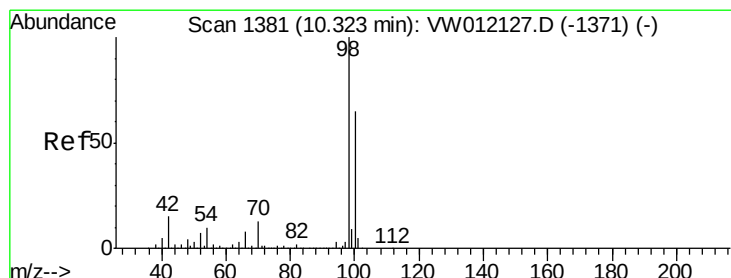
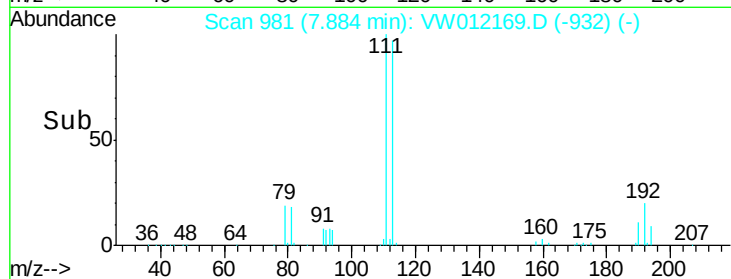
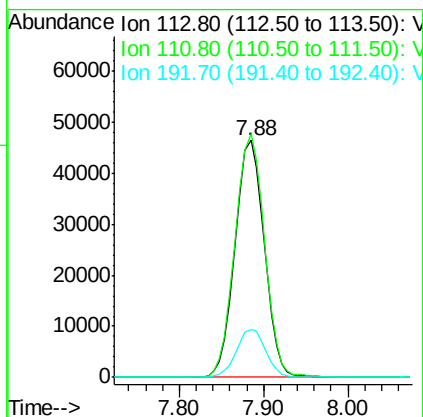
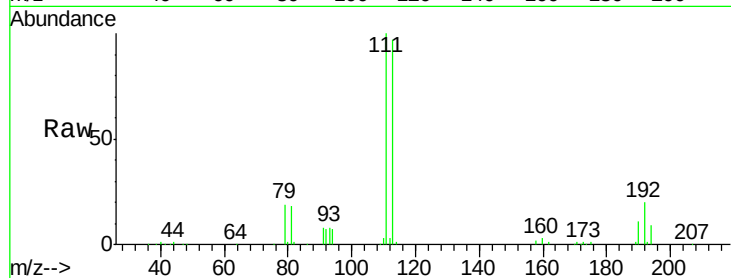




#35
 Dibromofluoromethane
 Concen: 51.903 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012169.D
 Acq: 26 Aug 2019 13:48

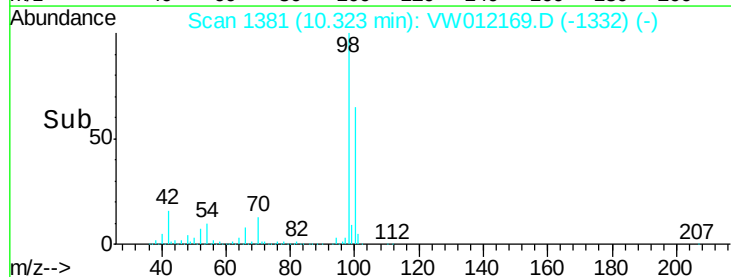
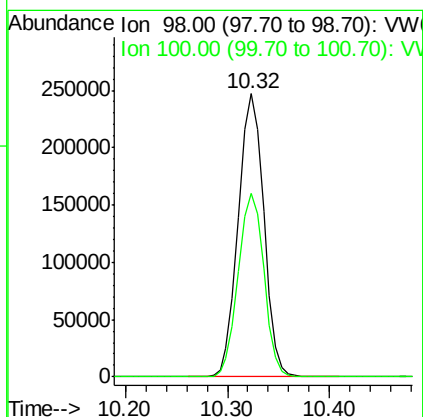
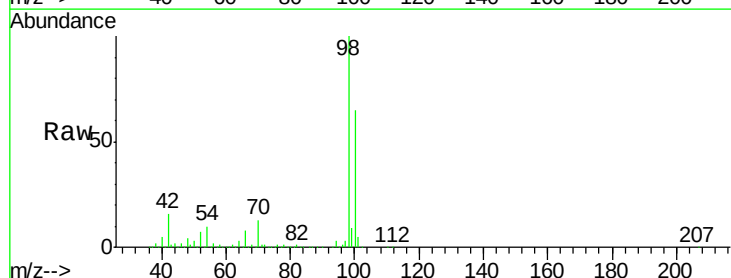
Instrument :
 MSVOA_W
 ClientSampleId :
 TT-014-IDWSO-20190823

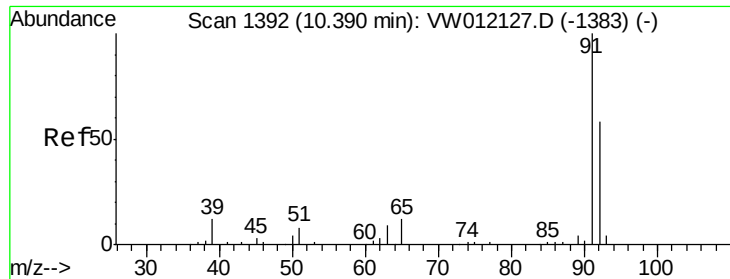
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.7	124.1
192	20.5	16.2	24.2



#50
 Toluene-d8
 Concen: 50.500 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012169.D
 Acq: 26 Aug 2019 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





#52

Toluene

Concen: 1.076 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

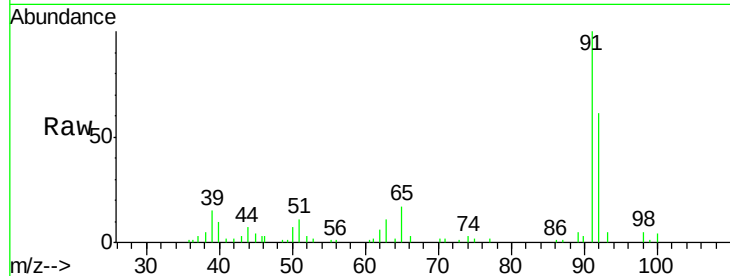
TT-014-IDWSO-20190823

Tot Ion: 92 Resp: 6414

Ion Ratio Lower Upper

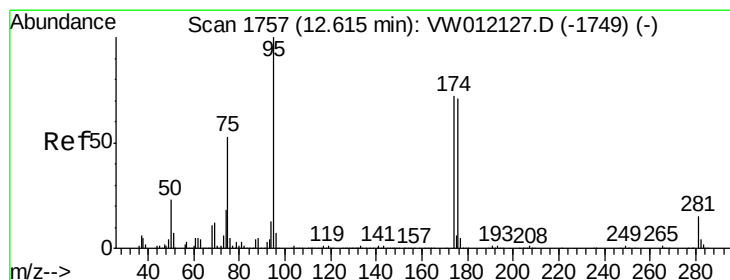
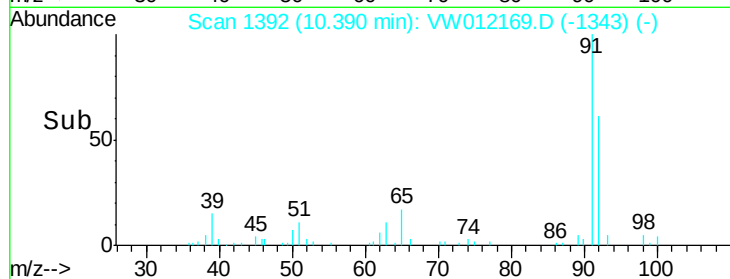
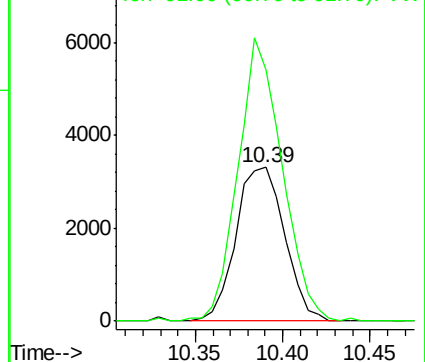
92 100

91 167.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 45.373 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

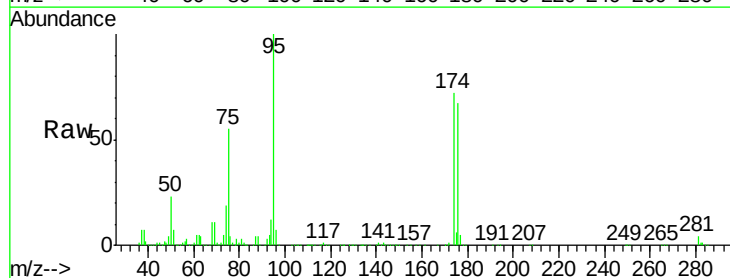
Tgt Ion: 95 Resp: 136162

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

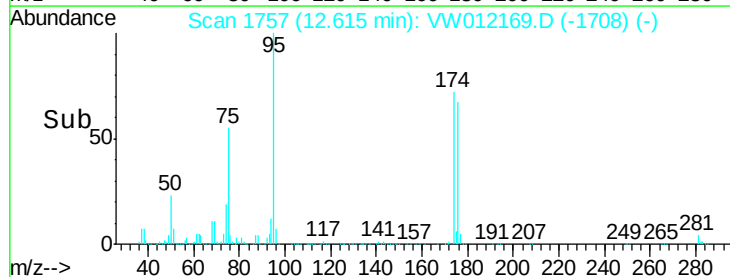
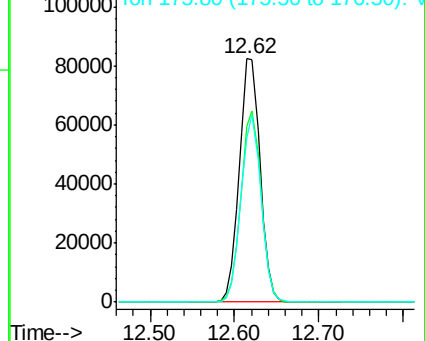
176 73.7 0.0 148.6

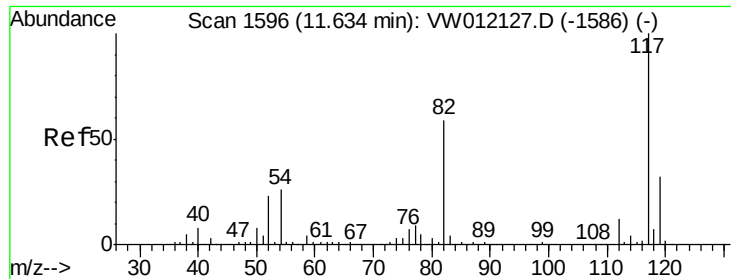


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

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ClientSampleId :

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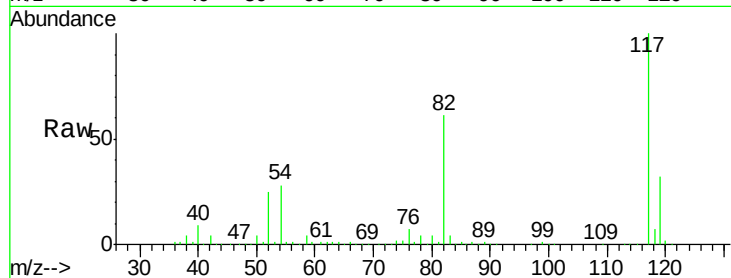
Tot Ion:117 Resp: 294221

Ion Ratio Lower Upper

117 100

82 60.9 47.4 71.2

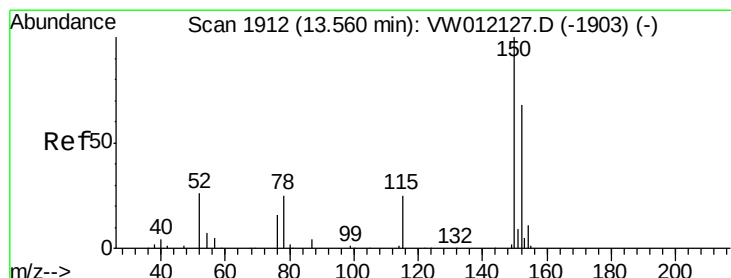
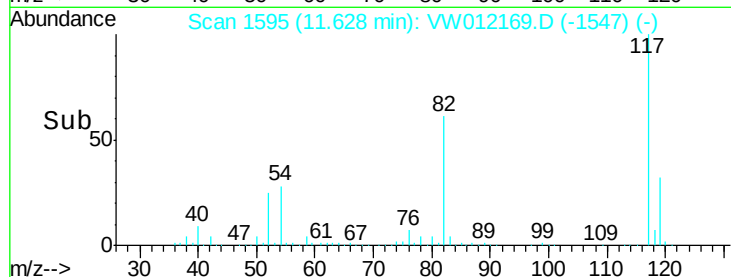
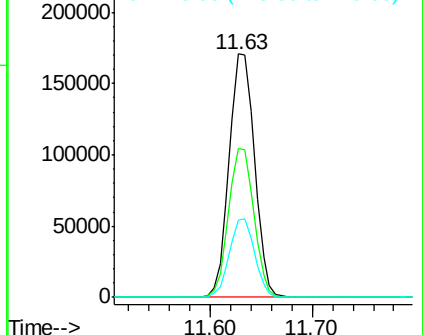
119 31.6 25.4 38.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

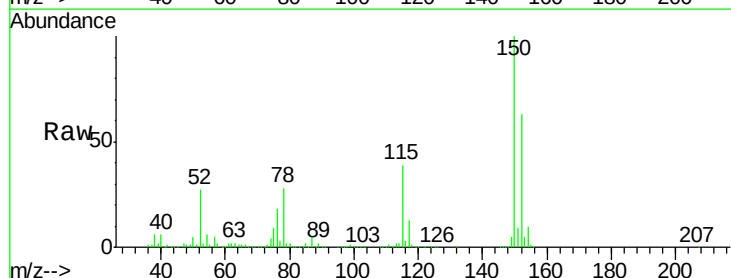
Tgt Ion:152 Resp: 119830

Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.3

150 156.8 0.0 345.8



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

