

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010394.D
 Acq On : 11 May 2019 21:22
 Operator : SY/VA
 Sample : K2734-11
 Misc : 5.26G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS013-0002-01

Quant Time: May 12 09:24:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

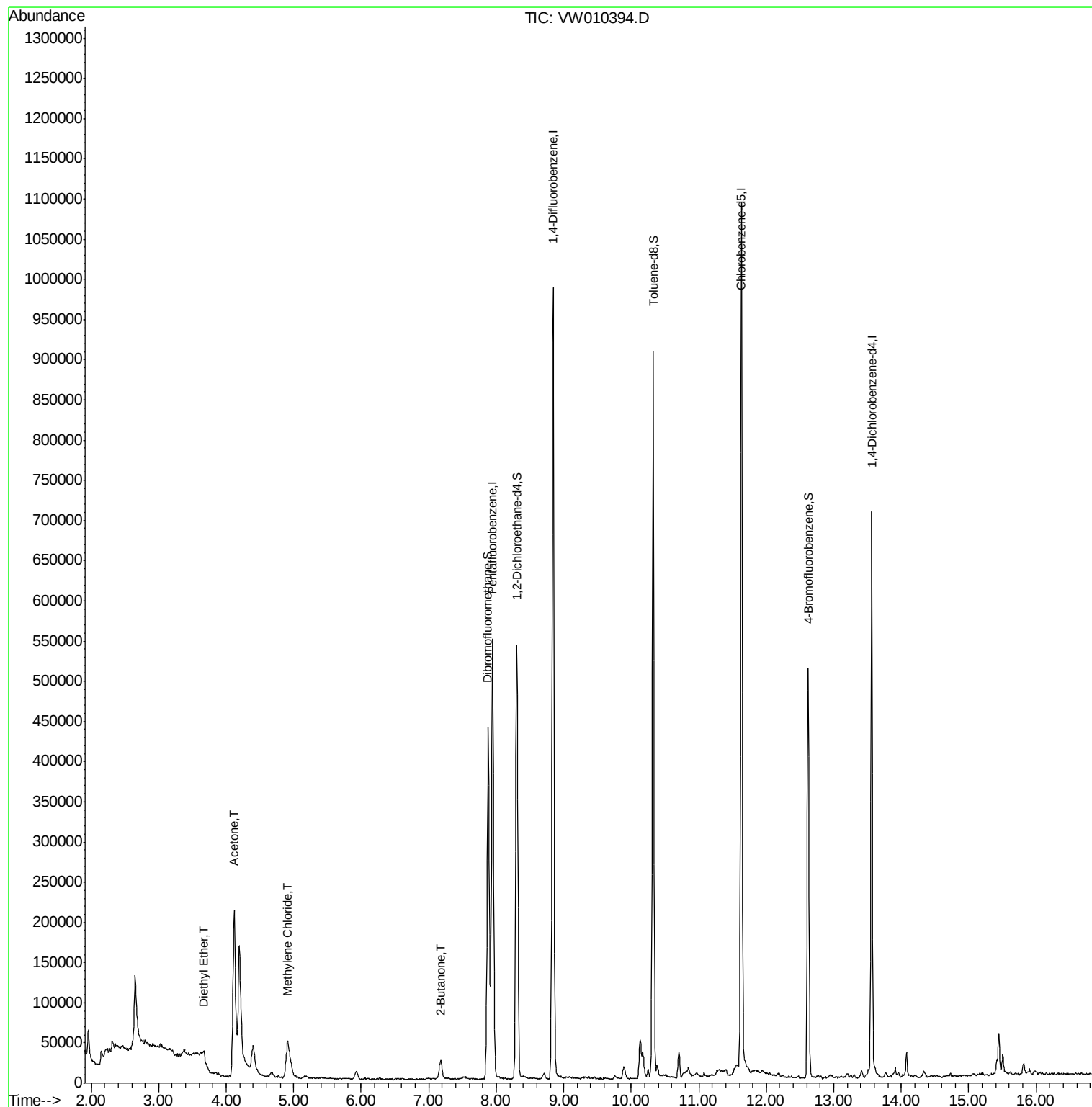
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	394199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	785925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	594474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175717	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	419029	99.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	199.98%	
35) Dibromofluoromethane	7.88	113	308490	67.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.16%	
50) Toluene-d8	10.32	98	580326	30.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.98%	
62) 4-Bromofluorobenzene	12.62	95	157125	23.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.66%	
Target Compounds						
8) Diethyl Ether	3.67	74	11248	5.097	ug/l	86
16) Acetone	4.12	43	374291	342.591	ug/l	98
20) Methylene Chloride	4.91	84	46603	10.227	ug/l	88
25) 2-Butanone	7.18	43	35465	21.219	ug/l	95

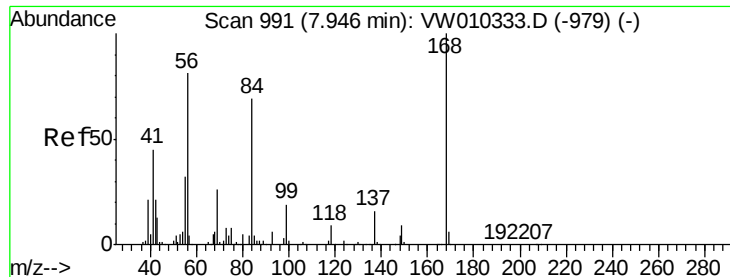
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

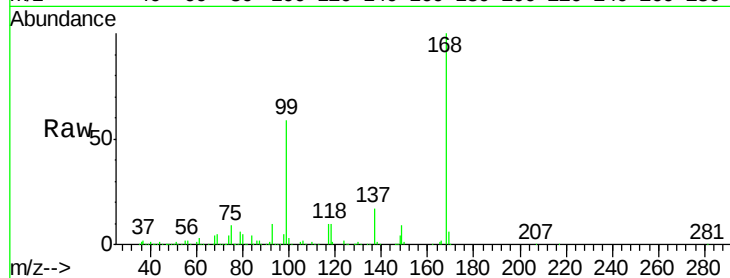
P026-SS013-0002-01

Tot Ion:168 Resp: 394199

Ion Ratio Lower Upper

168 100

99 58.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

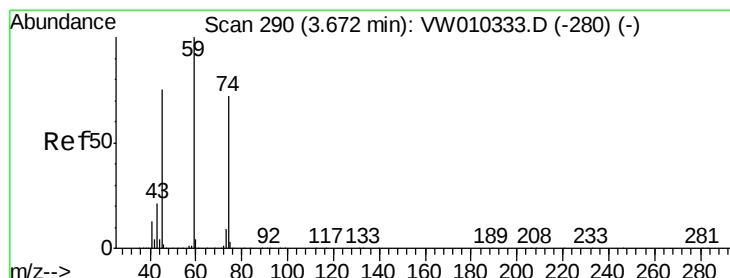
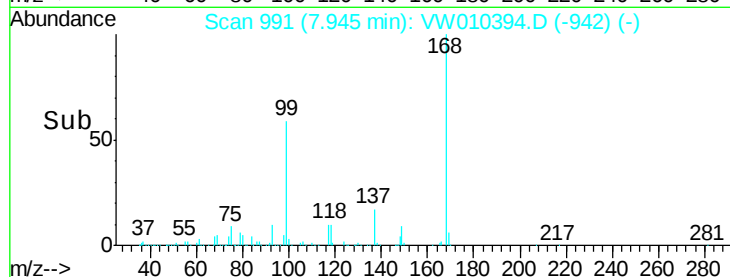
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 5.097 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010394.D

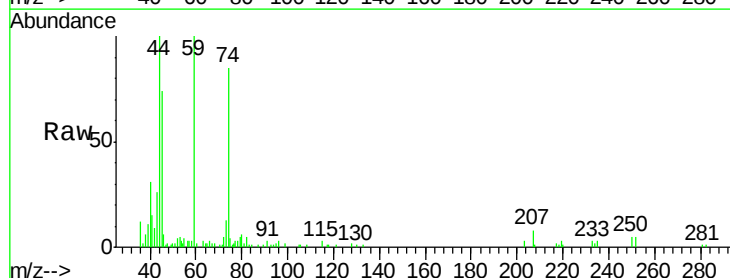
Acq: 11 May 2019 21:22

Tgt Ion: 74 Resp: 11248

Ion Ratio Lower Upper

74 100

45 97.0 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

6000

5000

4000

3000

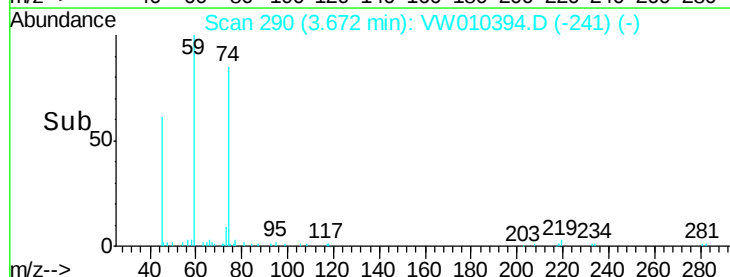
2000

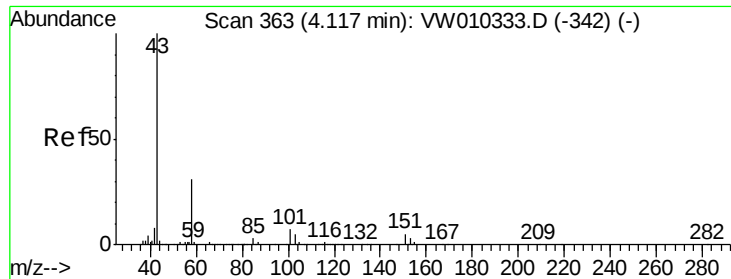
1000

0

3.60 3.65 3.70 3.75

Time-->

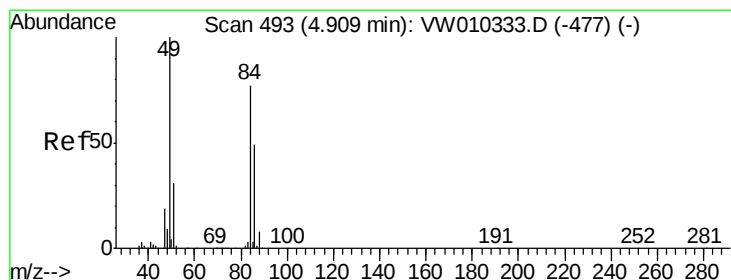
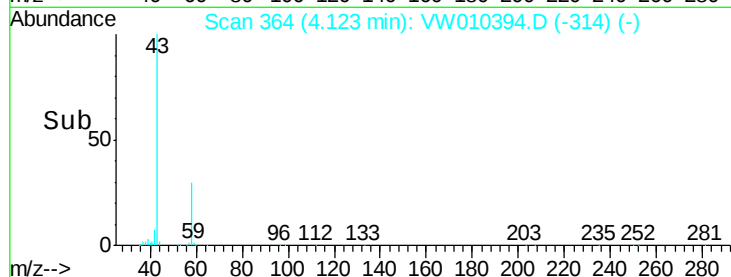
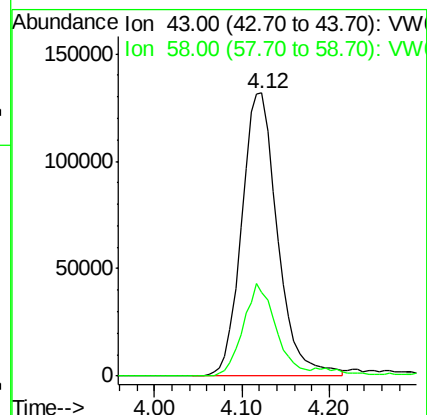
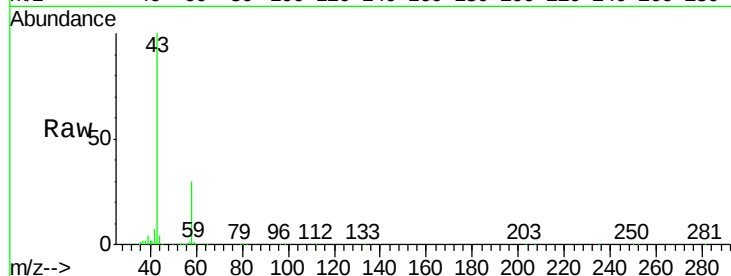




#16
Acetone
Concen: 342.591 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

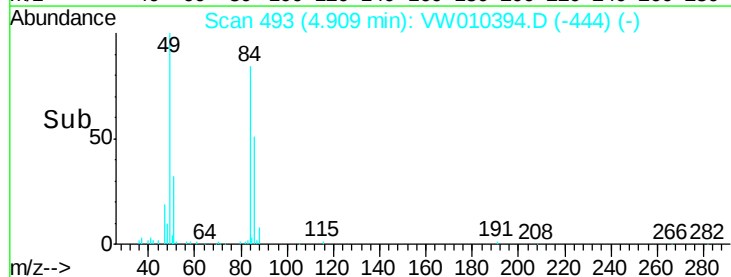
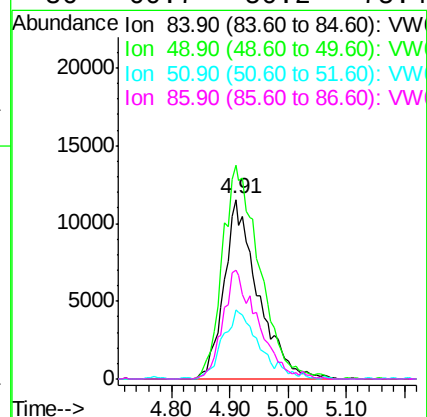
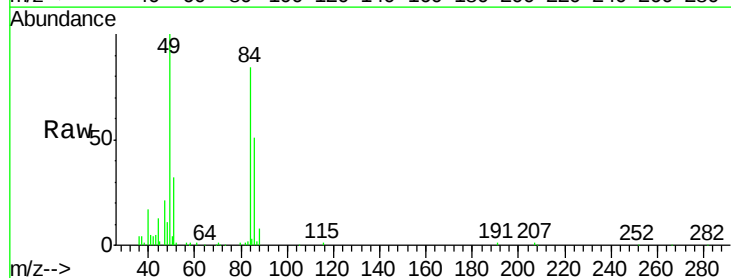
Instrument :
MSVOA_W
ClientSampleId :
P026-SS013-0002-01

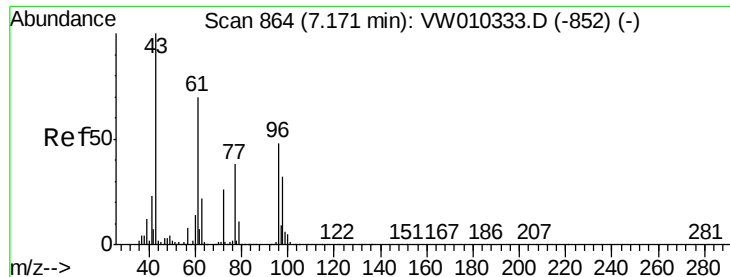
Tot Ion: 43 Resp: 374291
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1



#20
Methylene Chloride
Concen: 10.227 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Tgt Ion: 84 Resp: 46603
Ion Ratio Lower Upper
84 100
49 119.0 112.3 168.5
51 38.4 33.9 50.9
86 60.7 50.2 75.4





#25

2-Butanone

Concen: 21.219 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

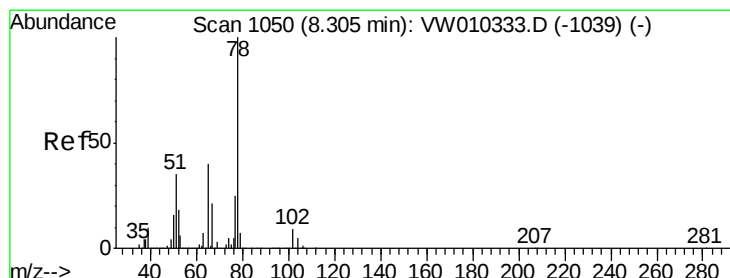
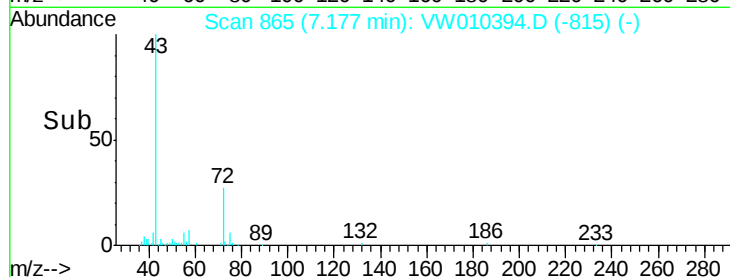
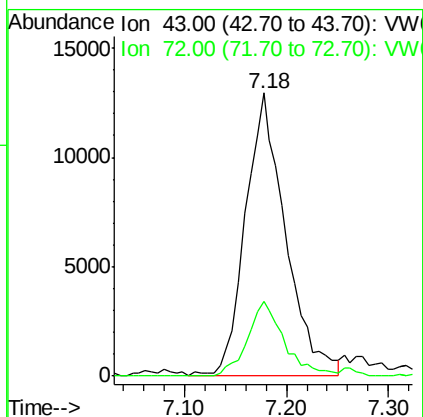
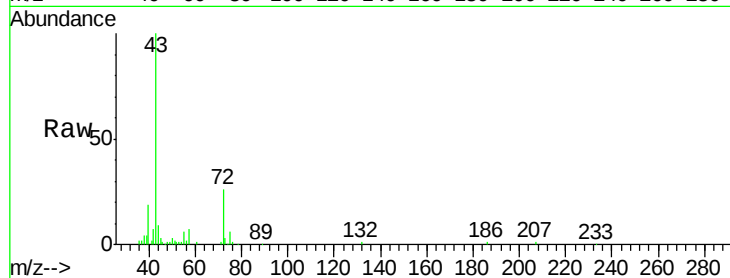
P026-SS013-0002-01

Tot Ion: 43 Resp: 35465

Ion Ratio Lower Upper

43 100

72 26.5 19.1 28.7



#33

1,2-Dichloroethane-d4

Concen: 99.986 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010394.D

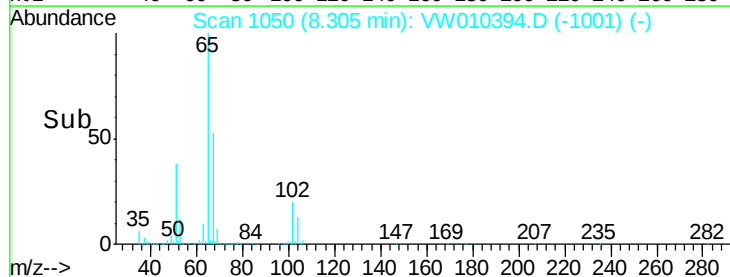
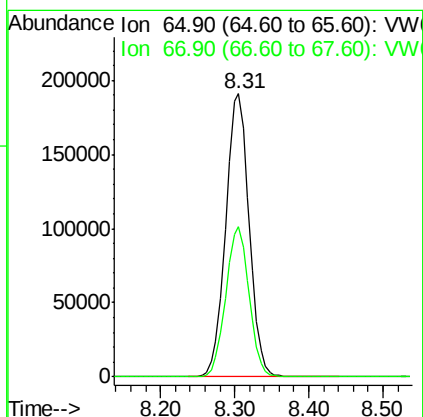
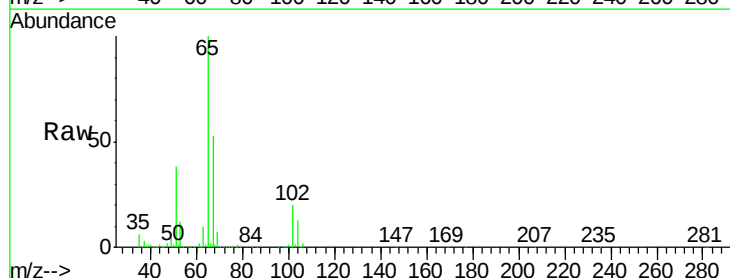
Acq: 11 May 2019 21:22

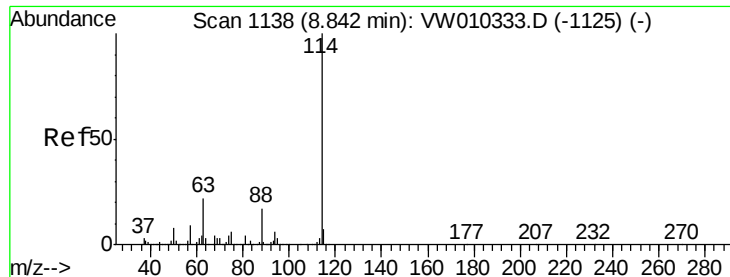
Tgt Ion: 65 Resp: 419029

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.8

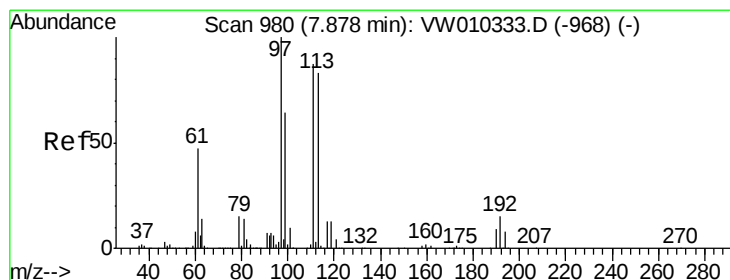
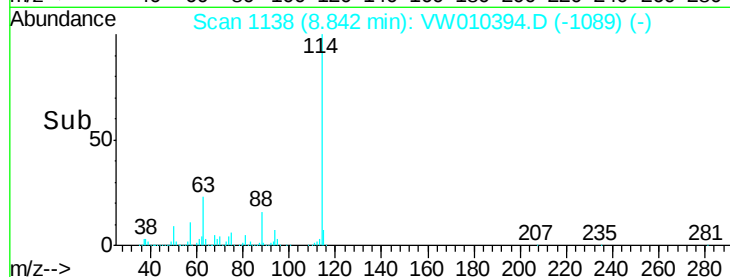
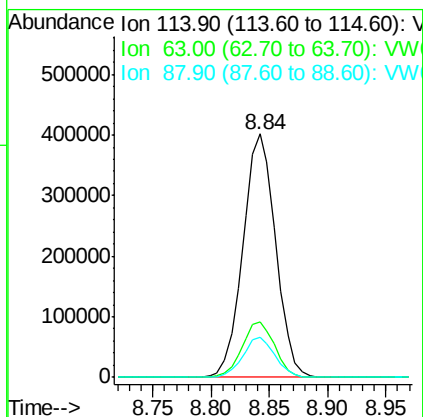
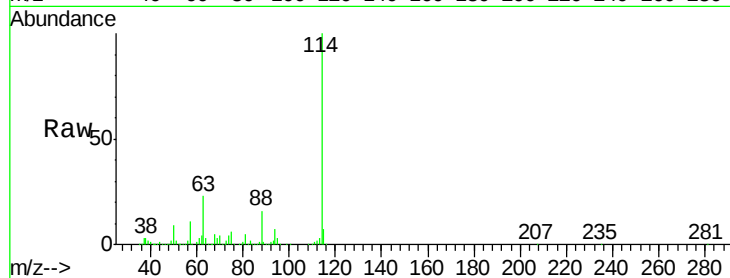




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010394.D
 Acq: 11 May 2019 21:22

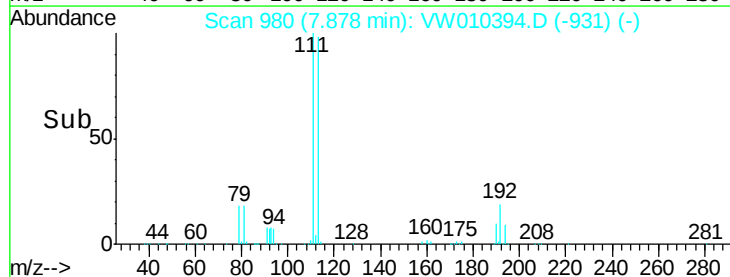
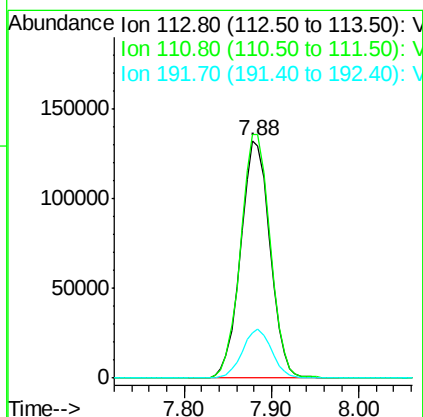
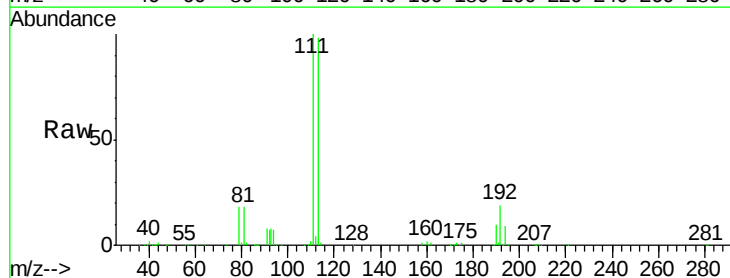
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS013-0002-01

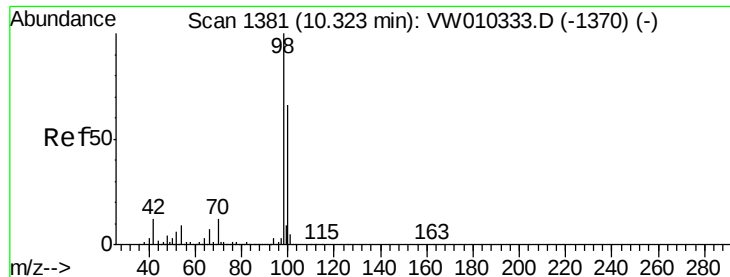
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	46.2
88	16.3	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 67.076 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010394.D
 Acq: 11 May 2019 21:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	20.5	15.4	23.2





#50

Toluene-d8

Concen: 30.987 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

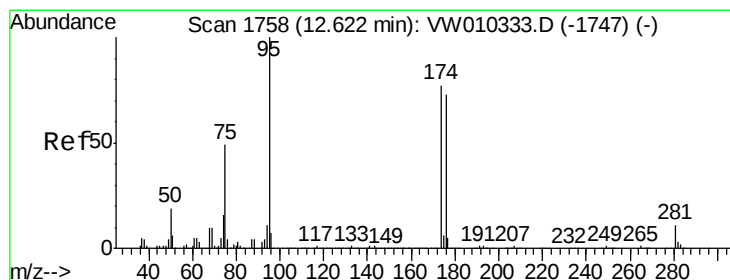
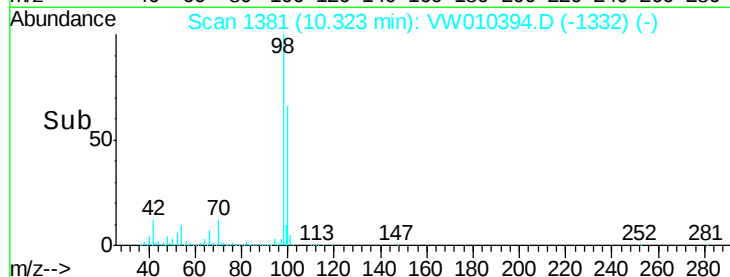
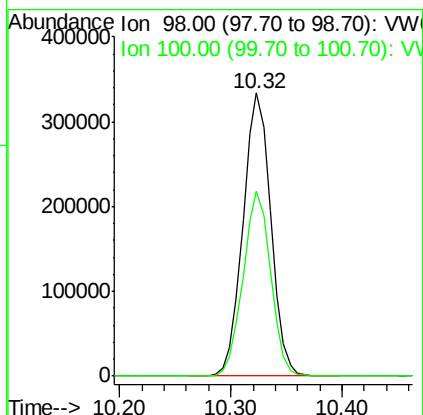
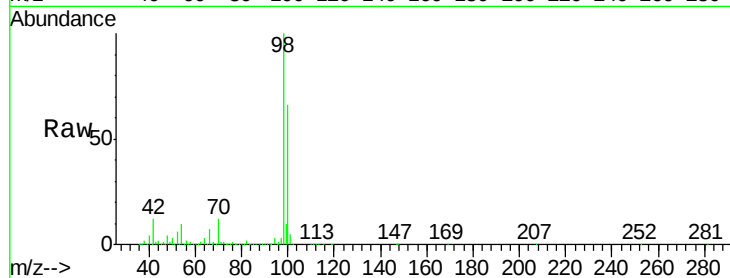
P026-SS013-0002-01

Tot Ion: 98 Resp: 580326

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 23.835 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

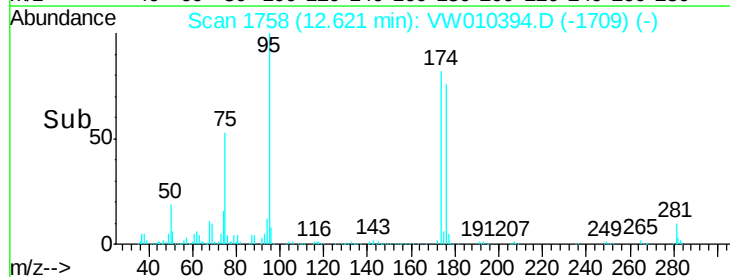
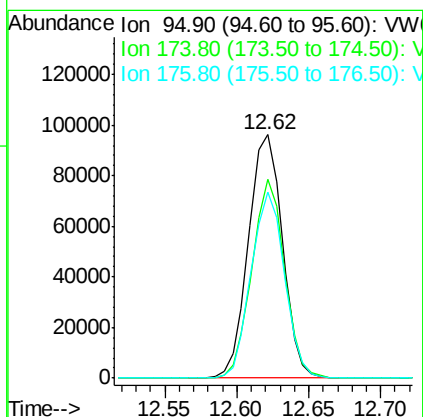
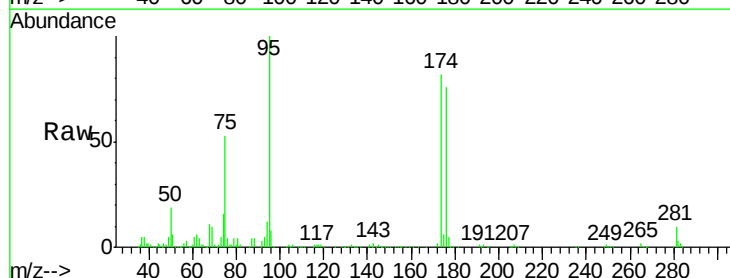
Tgt Ion: 95 Resp: 157125

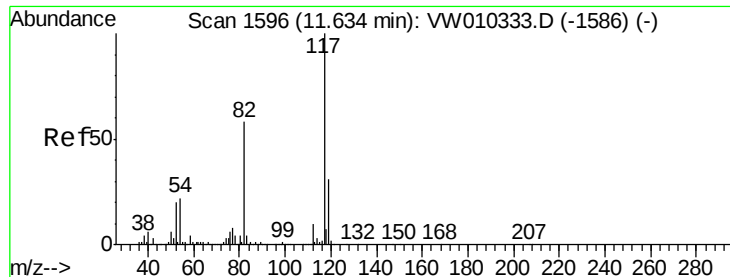
Ion Ratio Lower Upper

95 100

174 78.6 0.0 151.4

176 75.0 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

P026-SS013-0002-01

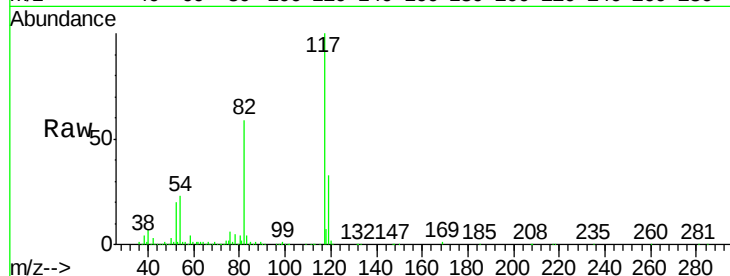
Tot Ion:117 Resp: 594474

Ion Ratio Lower Upper

117 100

82 58.9 45.2 67.8

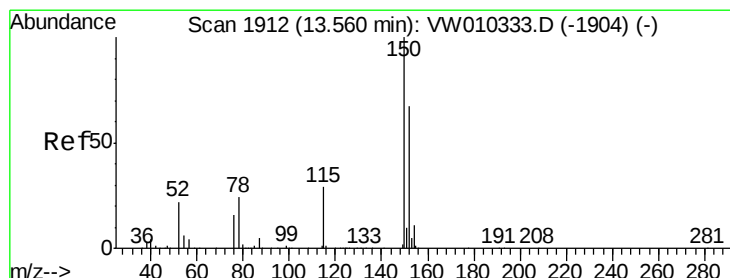
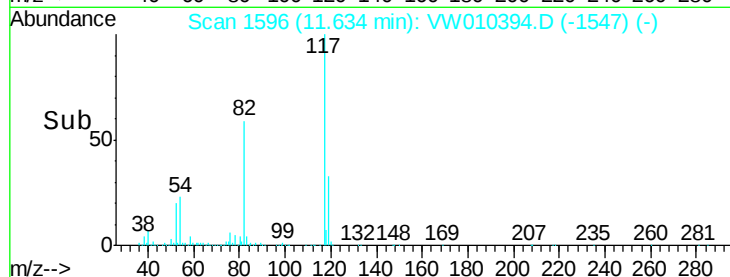
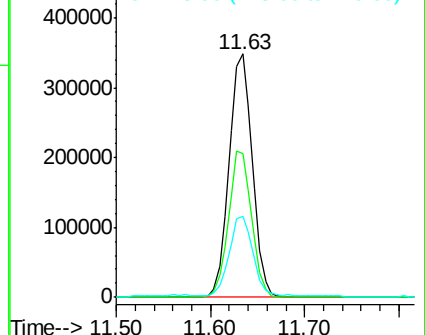
119 32.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW010394.D

Acq: 11 May 2019 21:22

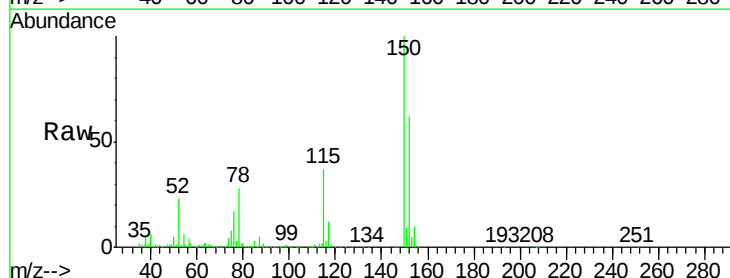
Tgt Ion:152 Resp: 175717

Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.2

150 157.5 0.0 347.0



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

