

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\
 Data File : VW011761.D
 Acq On : 07 Aug 2019 19:30
 Operator : SY/VA
 Sample : K4092-05
 Misc : 6.40G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-C

Quant Time: Aug 08 09:14:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

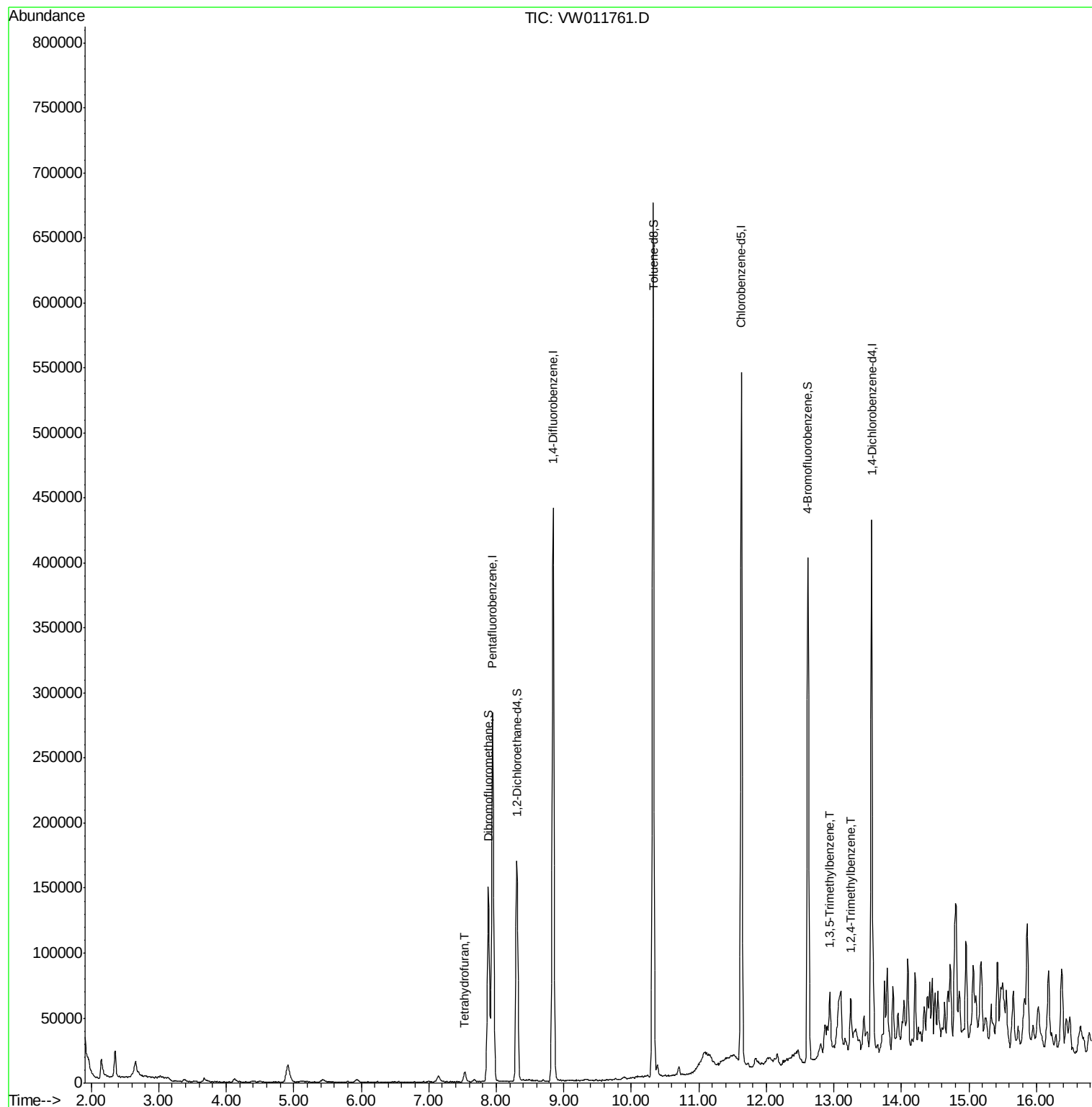
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	133810	56.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.92%	
35) Dibromofluoromethane	7.88	113	104006	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
50) Toluene-d8	10.32	98	417553	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	128237	45.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.44%	
Target Compounds						
29) Tetrahydrofuran	7.53	42	6535	11.692	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	17124	2.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	21640	3.455	ug/l	100

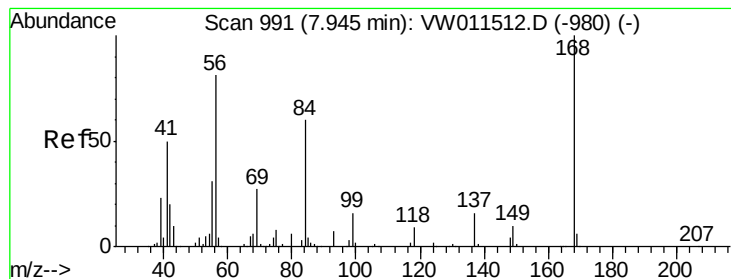
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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Acq: 07 Aug 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

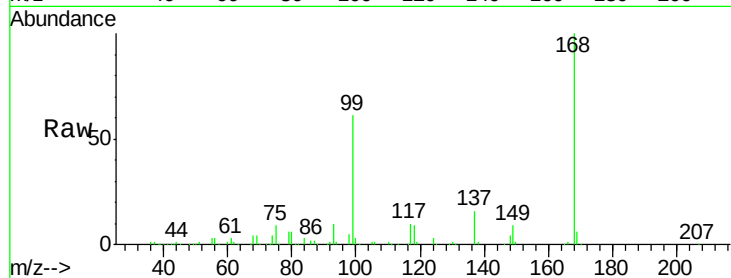
EO-01-080719-C

Tot Ion:168 Resp: 204577

Ion Ratio Lower Upper

168 100

99 61.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

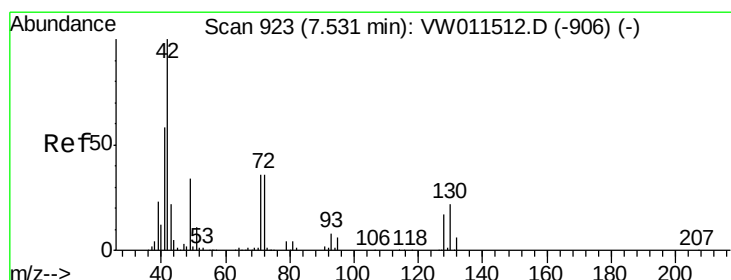
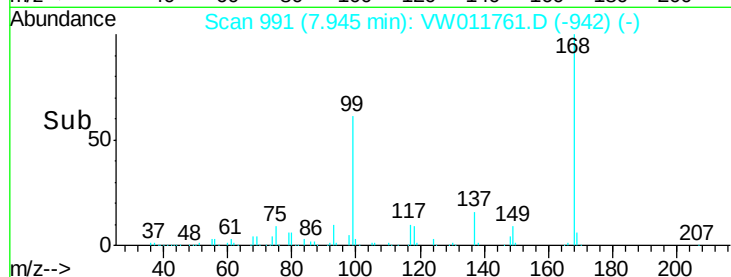
60000

40000

20000

0

Time-->



#29

Tetrahydrofuran

Concen: 11.692 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011761.D

Acq: 07 Aug 2019 19:30

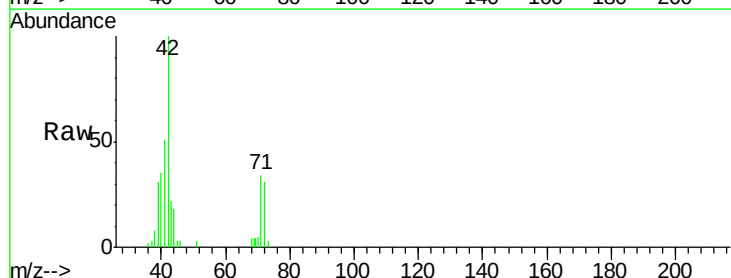
Tgt Ion: 42 Resp: 6535

Ion Ratio Lower Upper

42 100

72 36.6 27.1 40.7

71 32.9 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

7.53

3000

2500

2000

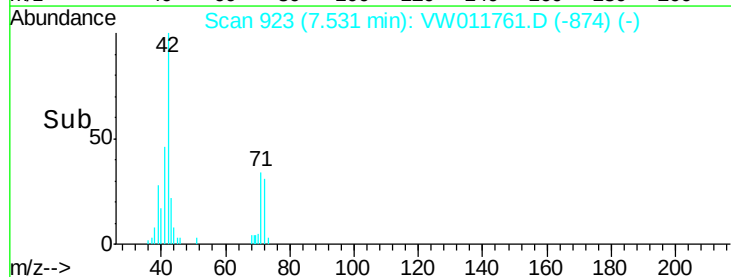
1500

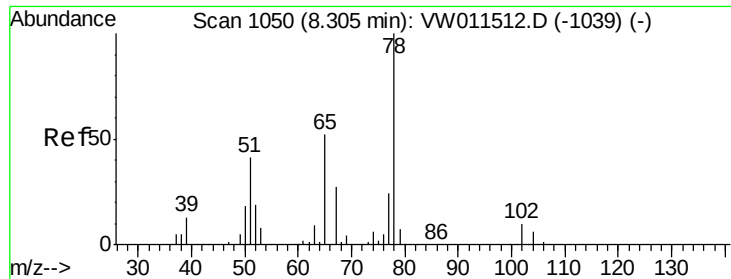
1000

500

0

Time-->

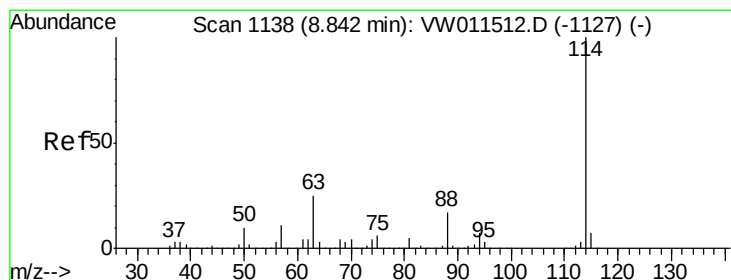
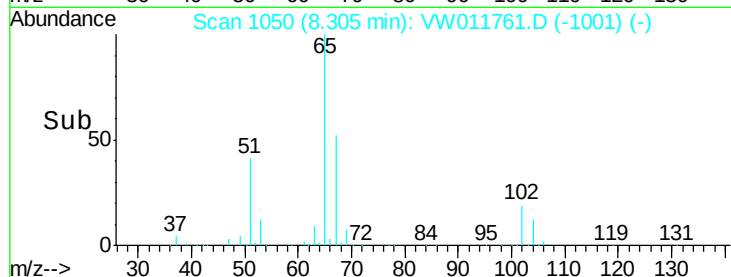
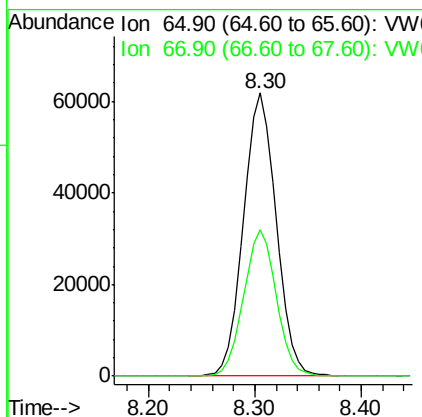
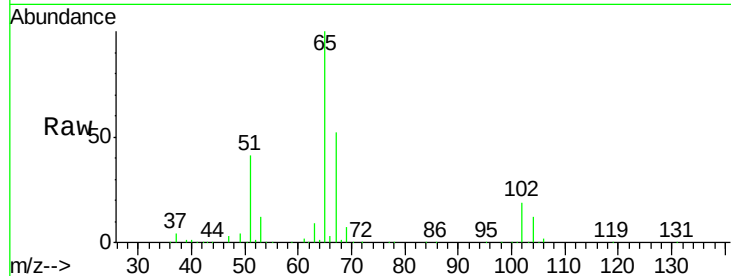




#33
 1,2-Dichloroethane-d4
 Concen: 56.962 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011761.D
 Acq: 07 Aug 2019 19:30

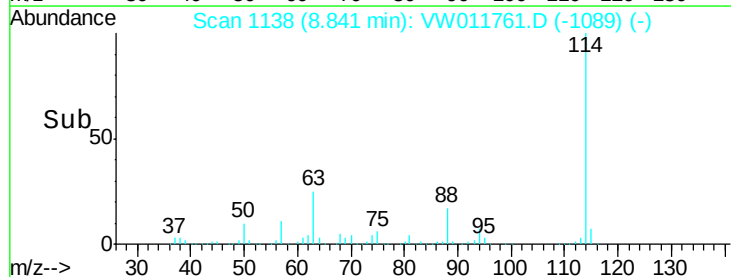
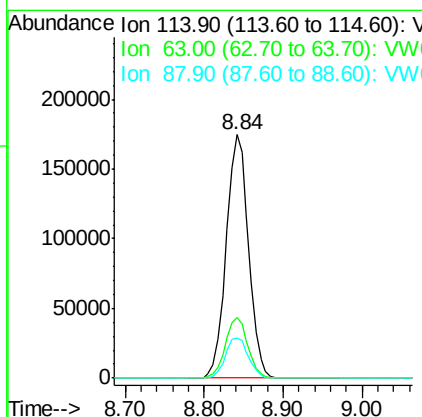
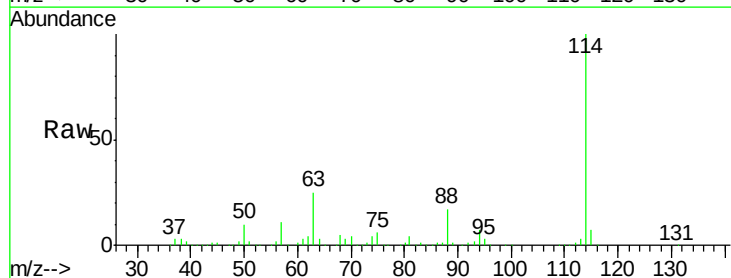
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-C

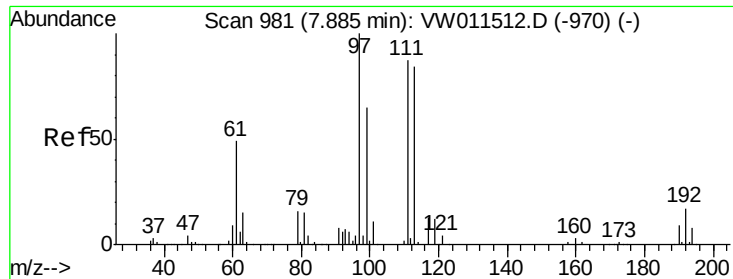
Tot Ion: 65 Resp: 133810
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011761.D
 Acq: 07 Aug 2019 19:30

Tgt Ion: 114 Resp: 342469
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.7 0.0 33.8

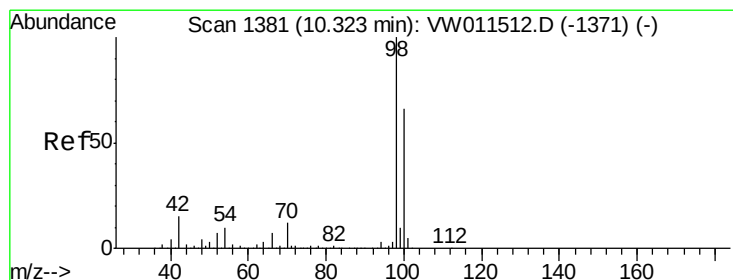
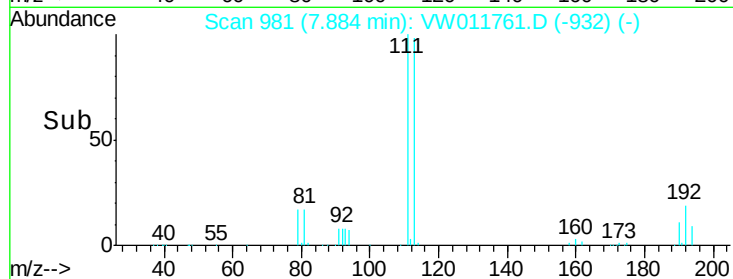
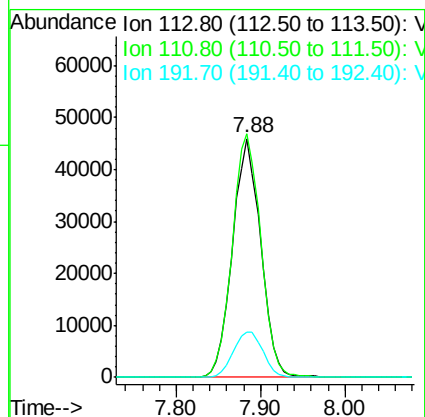
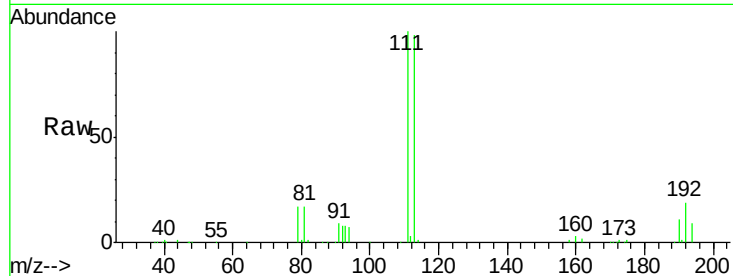




#35
Dibromofluoromethane
Concen: 54.133 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011761.D
Acq: 07 Aug 2019 19:30

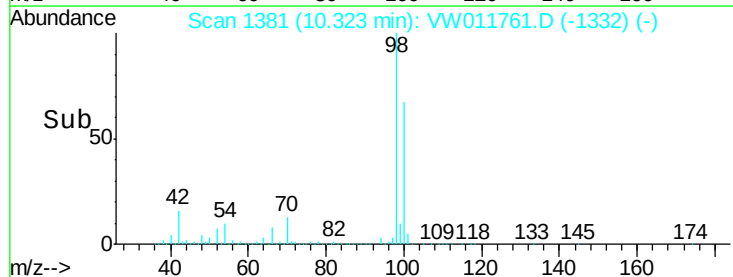
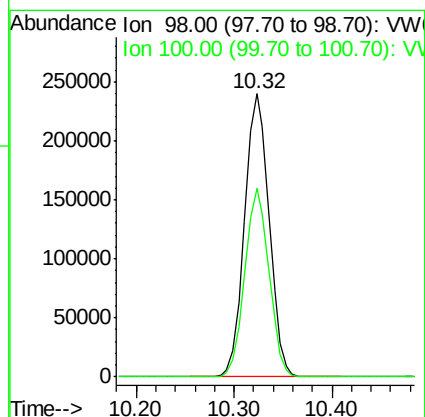
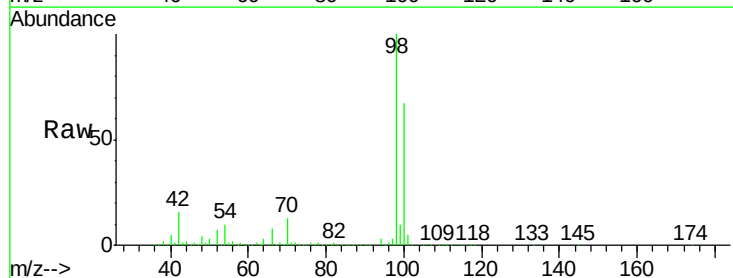
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

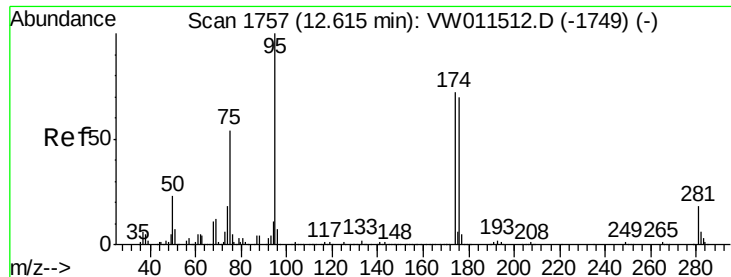
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	20.1	16.1	24.1



#50
Toluene-d8
Concen: 53.080 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011761.D
Acq: 07 Aug 2019 19:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

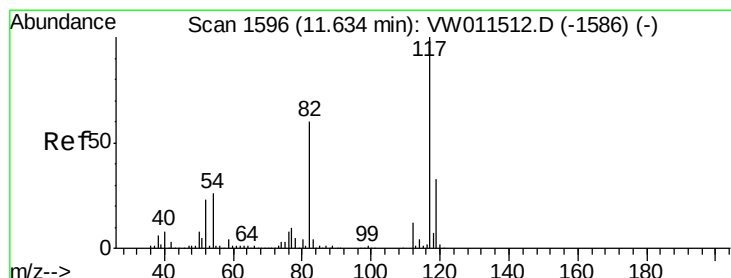
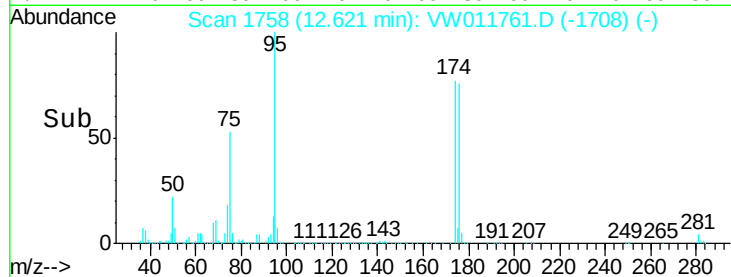
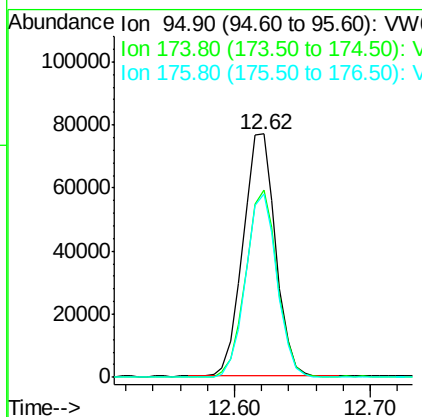
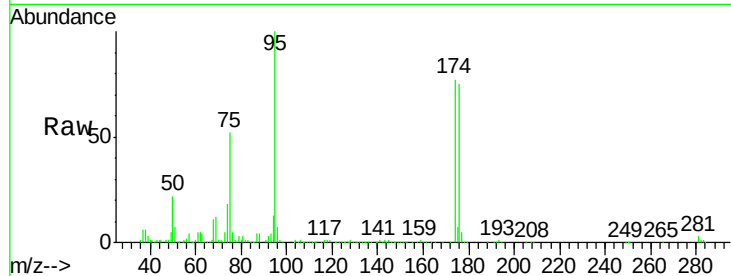




#62
4-Bromofluorobenzene
Concen: 45.725 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011761.D
Acq: 07 Aug 2019 19:30

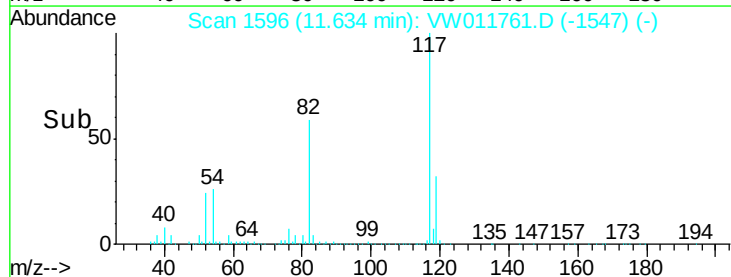
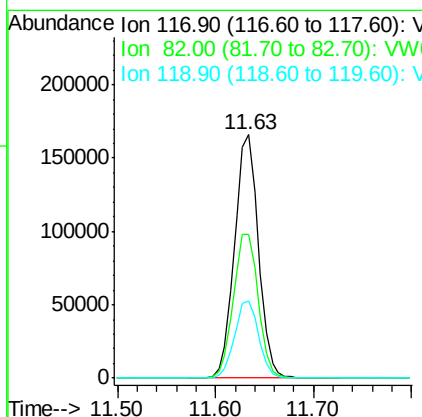
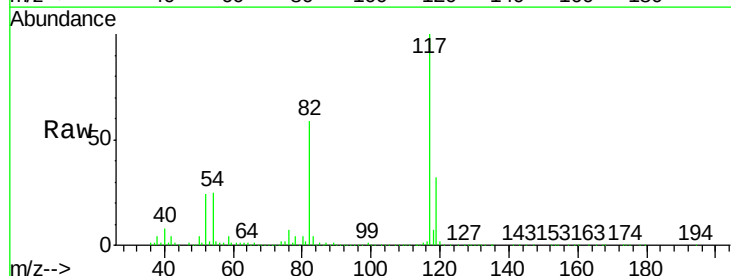
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-C

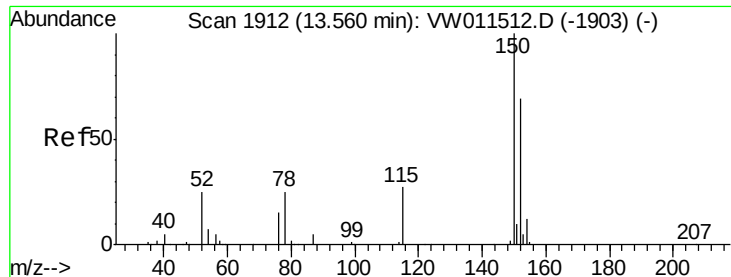
Tot Ion	95	Resp	128237
Ion Ratio	Lower	Upper	
95	100		
174	74.9	0.0	150.2
176	73.2	0.0	144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011761.D
Acq: 07 Aug 2019 19:30

Tgt Ion	117	Resp	280592
Ion Ratio	Lower	Upper	
117	100		
82	59.1	47.9	71.9
119	31.9	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011761.D

Acq: 07 Aug 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080719-C

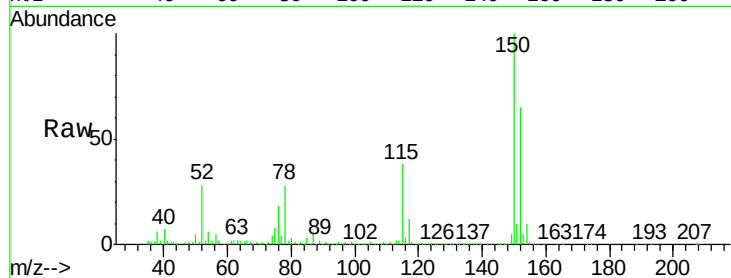
Tot Ion:152 Resp: 99426

Ion Ratio Lower Upper

152 100

115 61.9 30.5 91.5

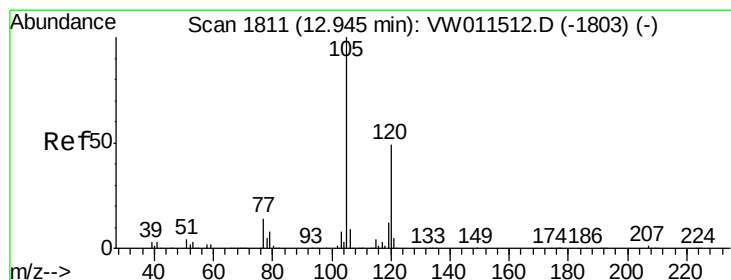
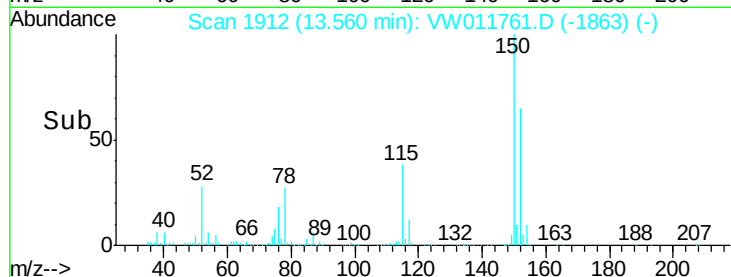
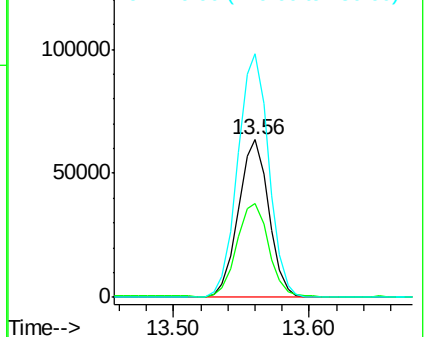
150 157.2 0.0 352.6



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



#80

1,3,5-Trimethylbenzene

Concen: 2.754 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011761.D

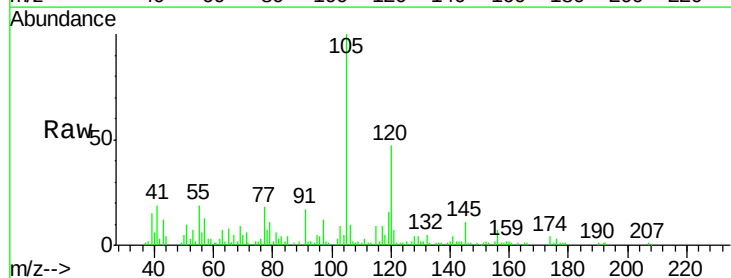
Acq: 07 Aug 2019 19:30

Tgt Ion:105 Resp: 17124

Ion Ratio Lower Upper

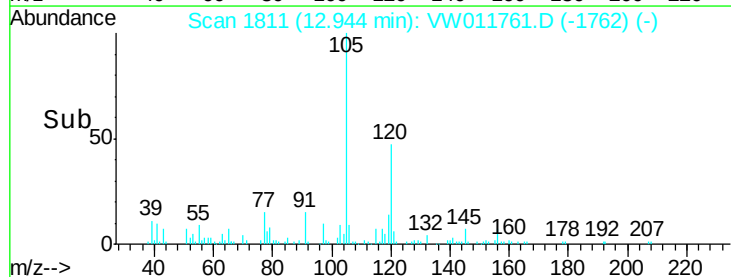
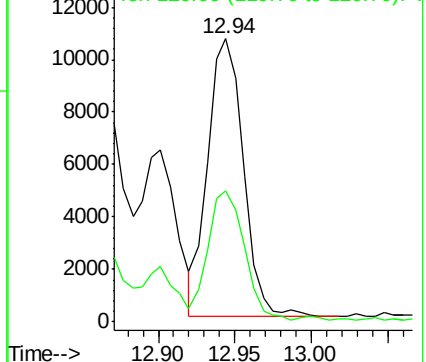
105 100

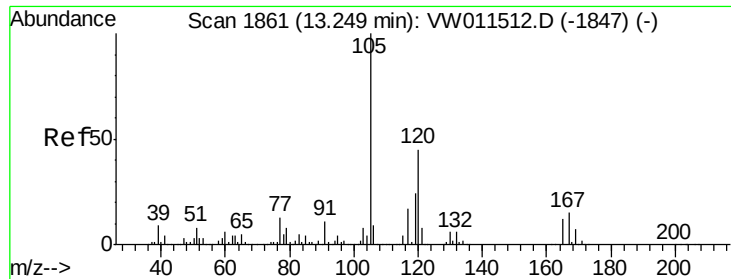
120 47.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84
 1,2,4-Trimethylbenzene
 Concen: 3.455 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011761.D
 Acq: 07 Aug 2019 19:30

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-C

Tot Ion:105 Resp: 21640
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5

