

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091519\
 Data File : VW013015.D
 Acq On : 15 Sep 2019 02:17
 Operator : SY/VA
 Sample : K4764-03
 Misc : 6.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ROLL-OFF-VOC-3

Quant Time: Nov 20 05:51:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

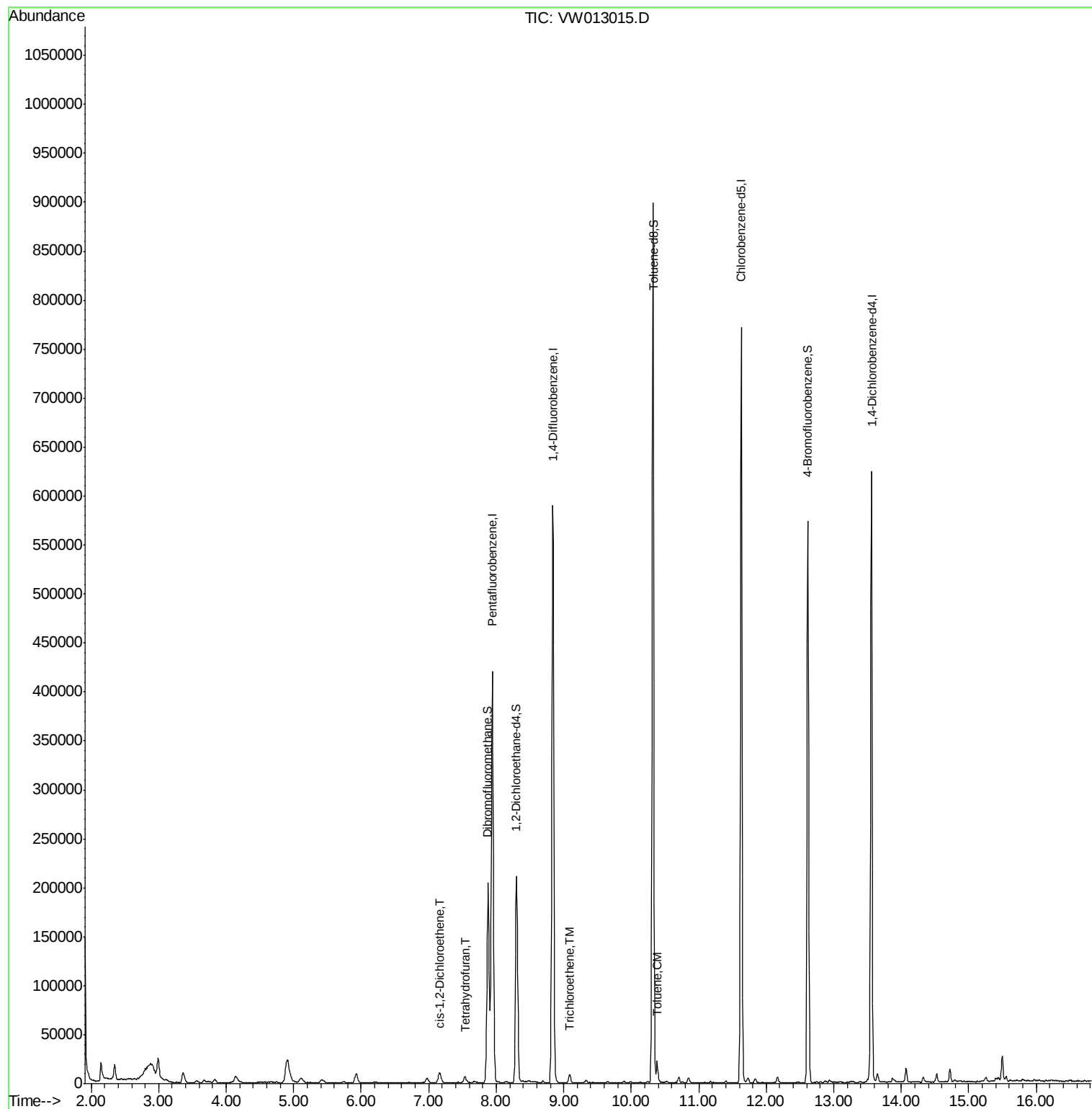
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	320506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170582	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	168662	56.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.96%	
35) Dibromofluoromethane	7.88	113	143116	54.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.92%	
50) Toluene-d8	10.32	98	580755	56.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.94%	
62) 4-Bromofluorobenzene	12.62	95	178105	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.32%	
Target Compounds						
27) cis-1,2-Dichloroethene	7.16	96	3089	1.089	ug/l	89
29) Tetrahydrofuran	7.54	42	6051	11.283	ug/l	99
44) Trichloroethene	9.10	130	3170	1.071	ug/l	84
52) Toluene	10.39	92	8798	1.281	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

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

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MSVOA_W

ClientSampleId :

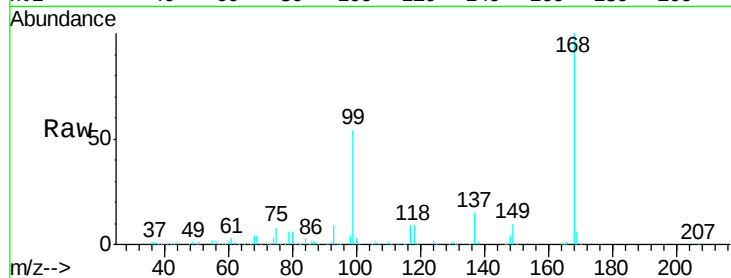
ROLL-OFF-VOC-3

Tgt Ion: 168 Resp: 320506

Ion Ratio Lower Upper

168 100

99 54.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

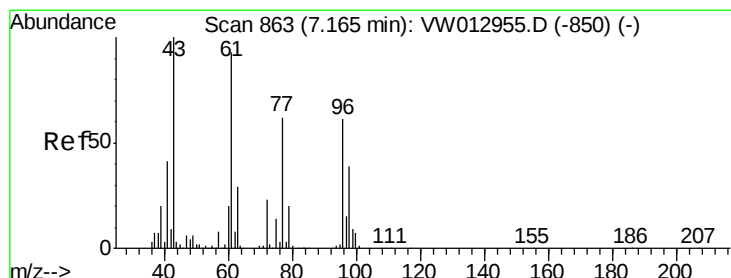
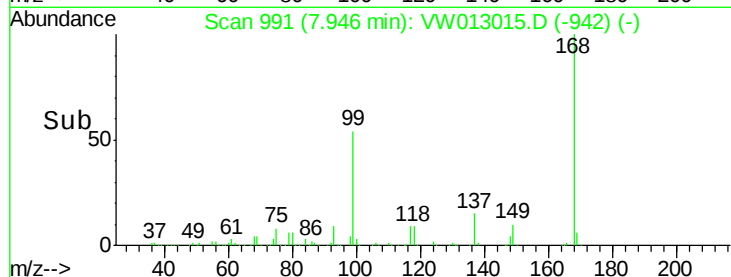
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#27

cis-1,2-Dichloroethene

Concen: 1.089 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

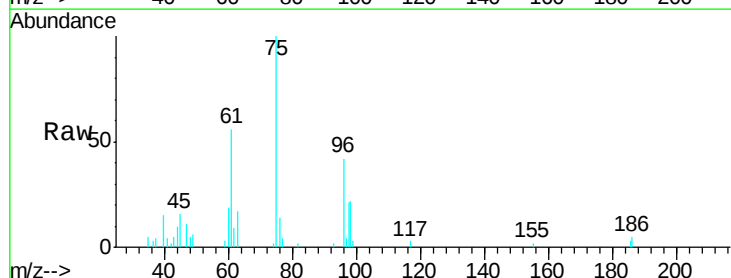
Tgt Ion: 96 Resp: 3089

Ion Ratio Lower Upper

96 100

61 141.9 0.0 315.4

98 71.7 0.0 131.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

2000

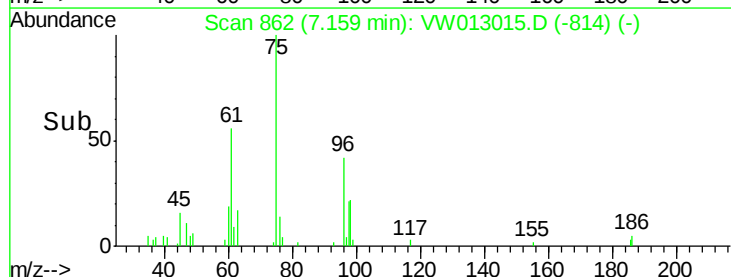
1500

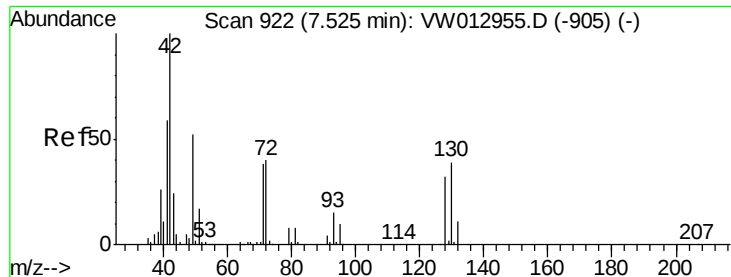
1000

500

0

Time--> 7.10 7.15 7.20 7.25

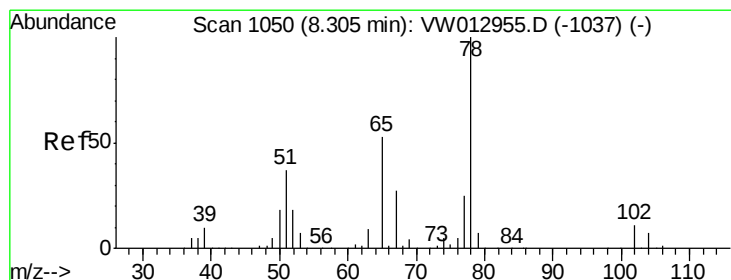
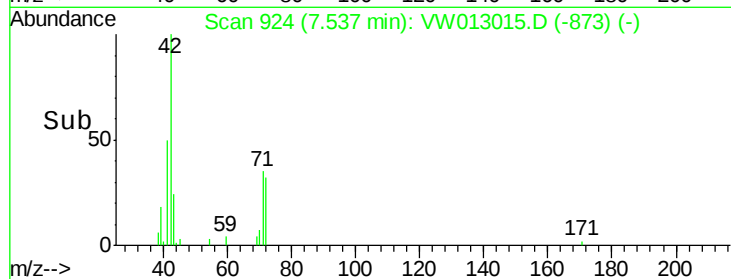
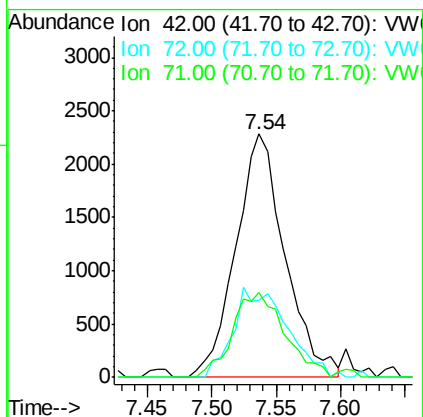
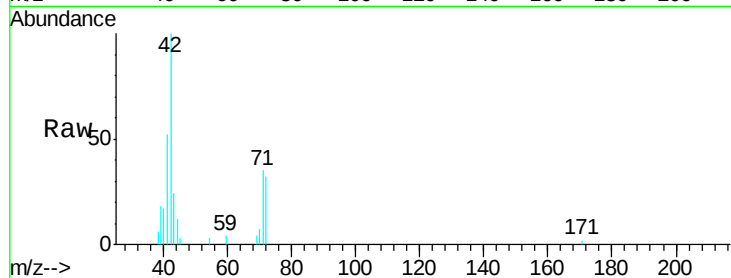




#29
Tetrahydrofuran
Concen: 11.283 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013015.D
Acq: 15 Sep 2019 02:17

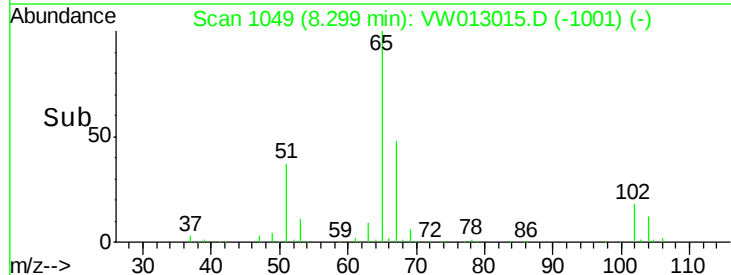
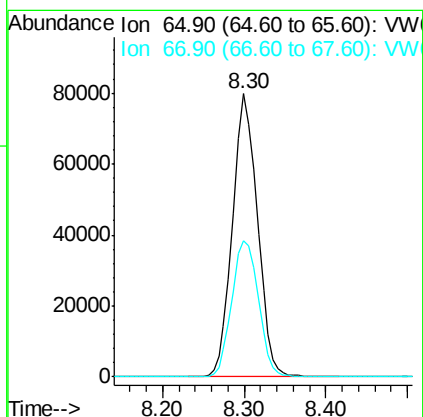
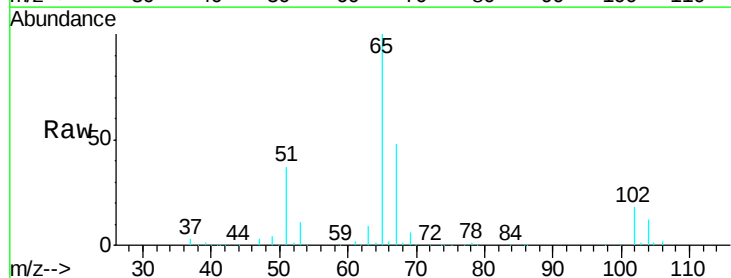
Instrument :
MSVOA_W
ClientSampleId :
ROLL-OFF-VOC-3

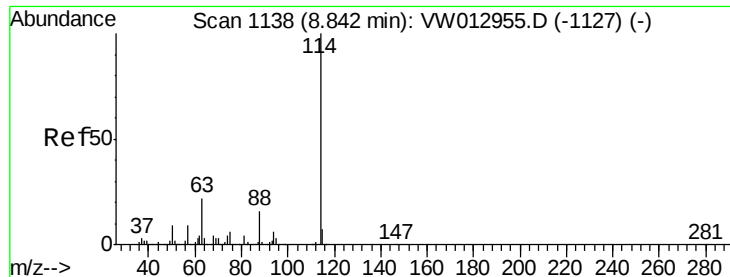
Tgt Ion: 42 Resp: 6051
Ion Ratio Lower Upper
42 100
72 40.1 31.4 47.0
71 37.1 29.8 44.8



#33
1,2-Dichloroethane-d4
Concen: 56.978 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013015.D
Acq: 15 Sep 2019 02:17

Tgt Ion: 65 Resp: 168662
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-VOC-3

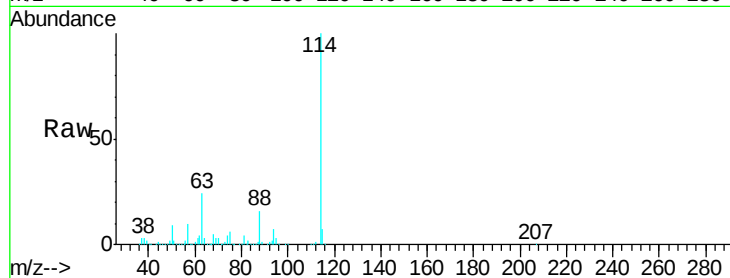
Tgt Ion:114 Resp: 484339

Ion Ratio Lower Upper

114 100

63 24.2 0.0 43.4

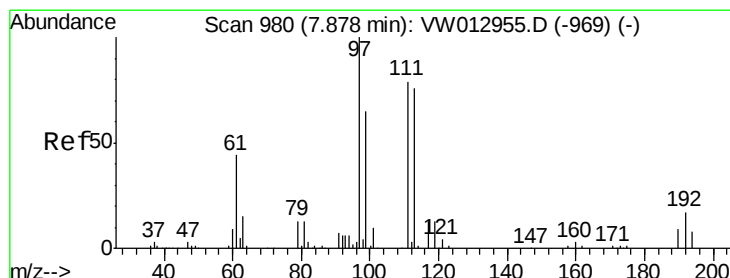
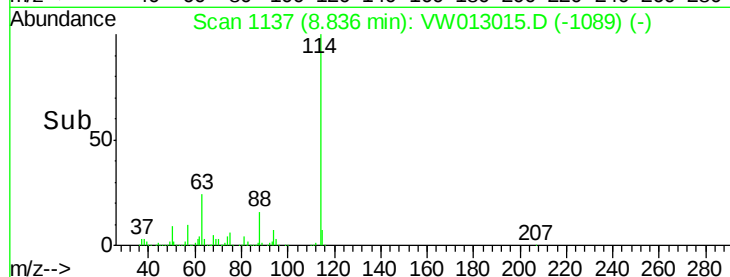
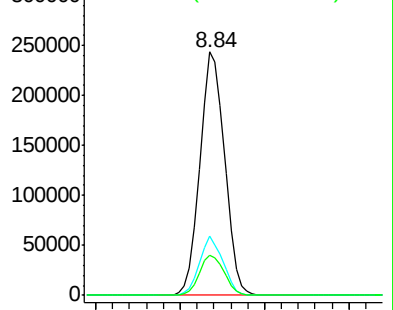
88 16.3 0.0 31.6



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: 54.456 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

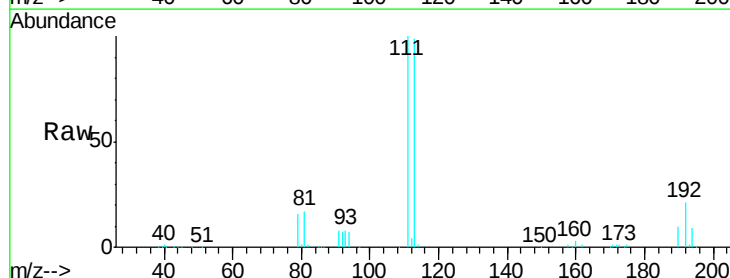
Tgt Ion:113 Resp: 143116

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

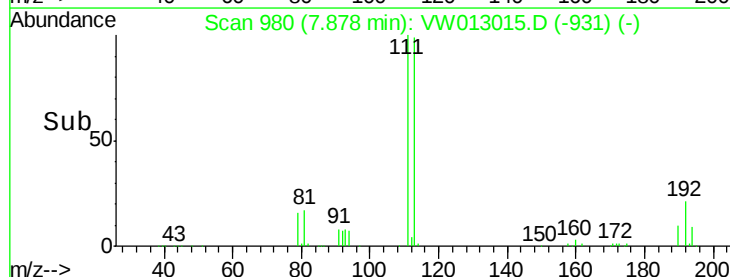
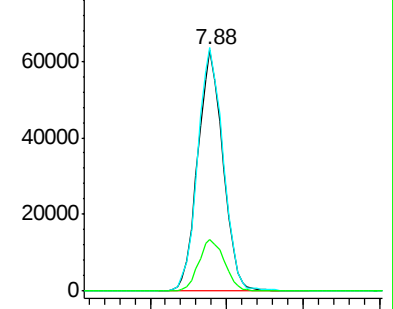
192 22.0 17.8 26.8

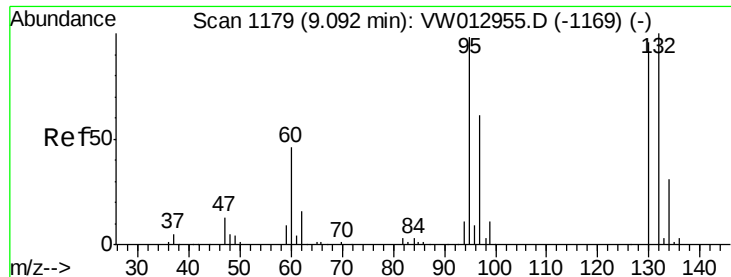


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 1.071 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

Instrument :

MSVOA_W

ClientSampleId :

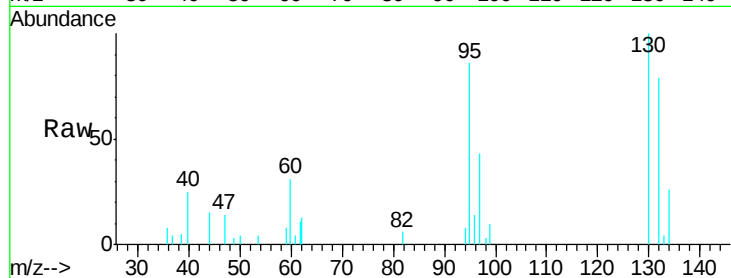
ROLL-OFF-VOC-3

Tgt Ion:130 Resp: 3170

Ion Ratio Lower Upper

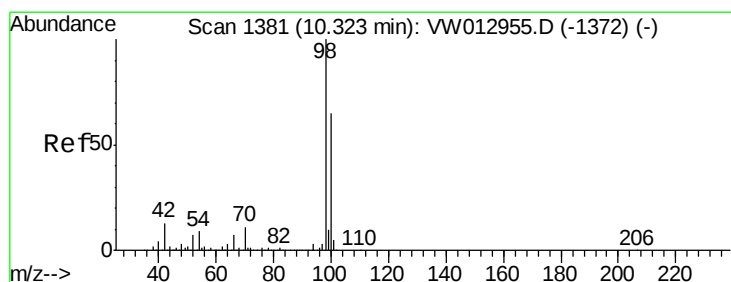
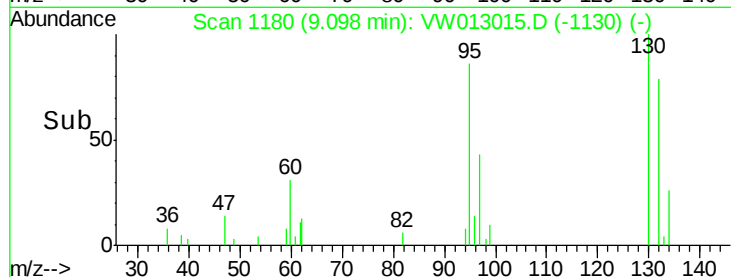
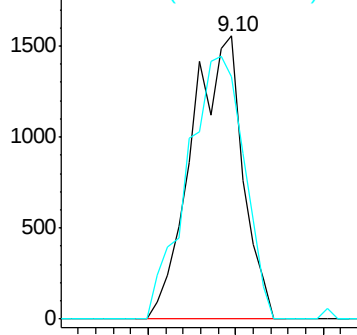
130 100

95 85.8 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 56.472 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013015.D

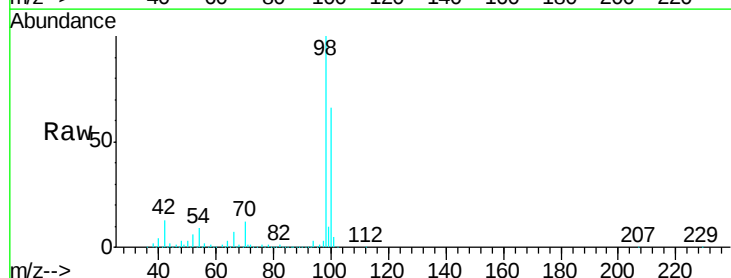
Acq: 15 Sep 2019 02:17

Tgt Ion: 98 Resp: 580755

Ion Ratio Lower Upper

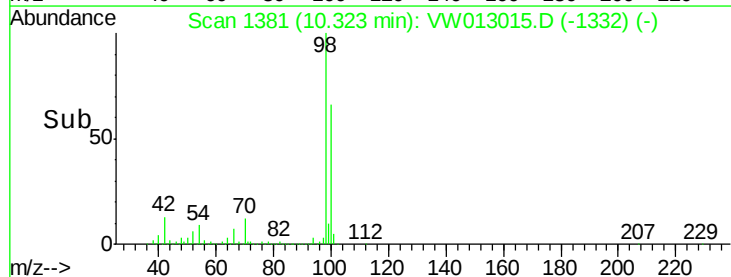
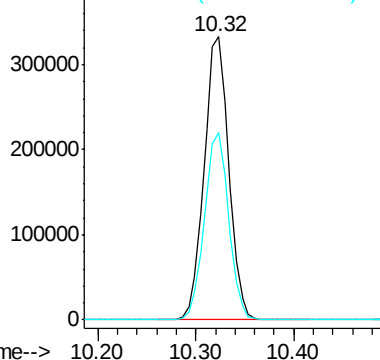
98 100

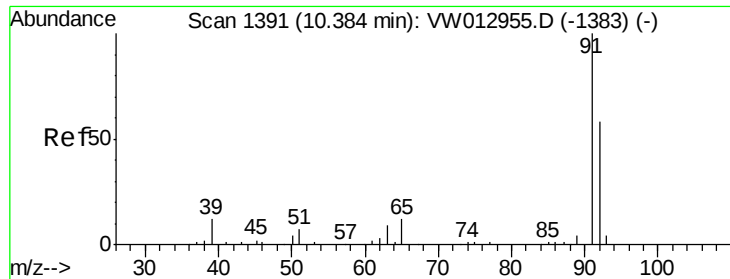
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.281 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

Instrument :

MSVOA_W

ClientSampleId :

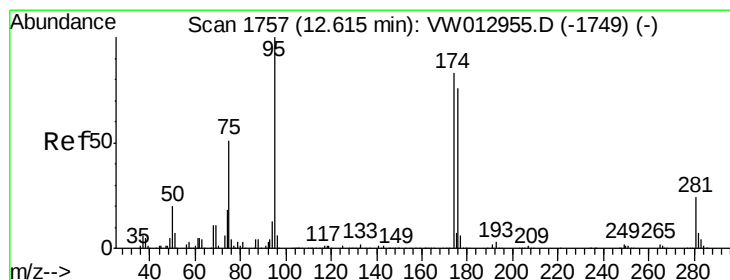
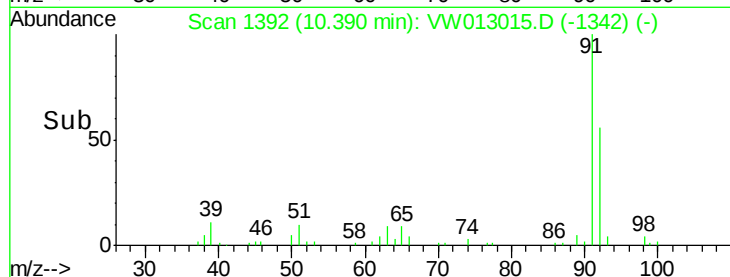
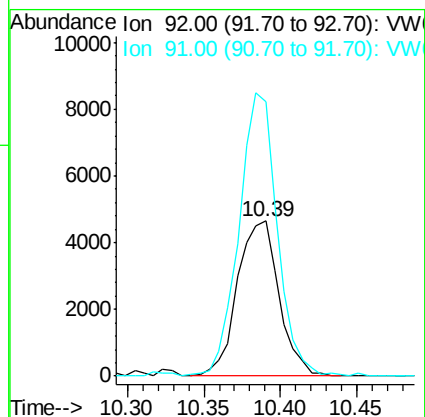
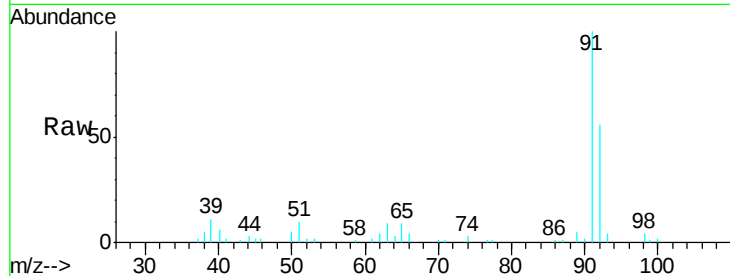
ROLL-OFF-VOC-3

Tgt Ion: 92 Resp: 8798

Ion Ratio Lower Upper

92 100

91 168.1 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 48.164 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

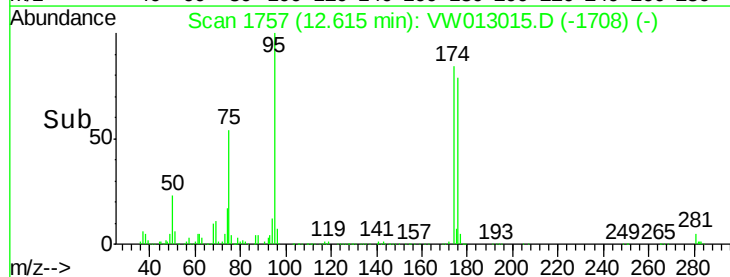
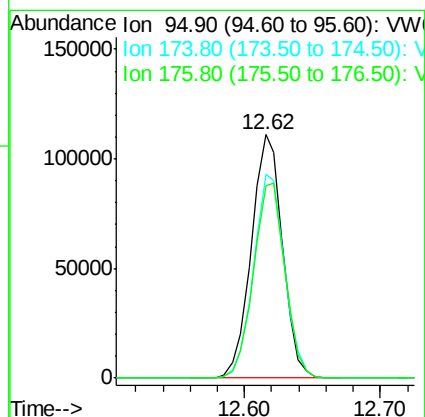
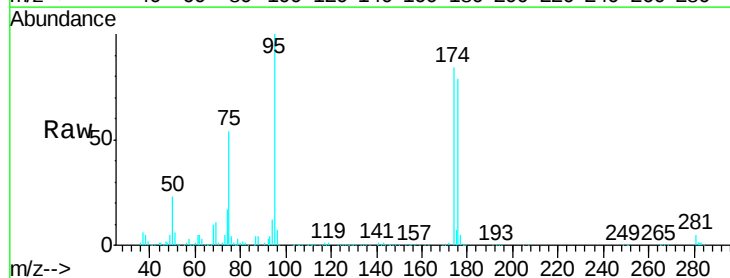
Tgt Ion: 95 Resp: 178105

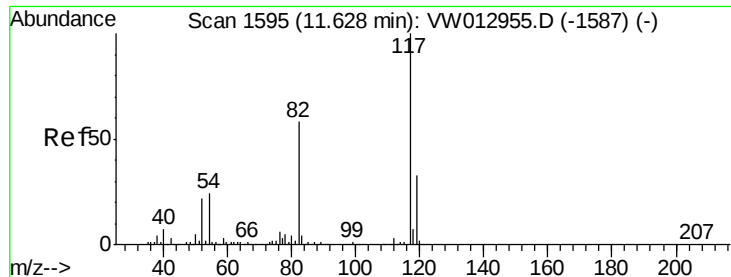
Ion Ratio Lower Upper

95 100

174 83.9 0.0 170.4

176 81.5 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-VOC-3

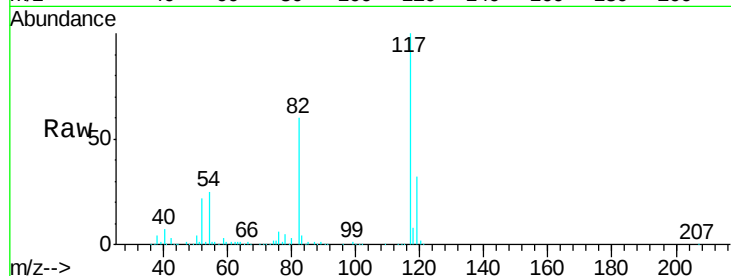
Tgt Ion:117 Resp: 400962

Ion Ratio Lower Upper

117 100

82 59.8 46.3 69.5

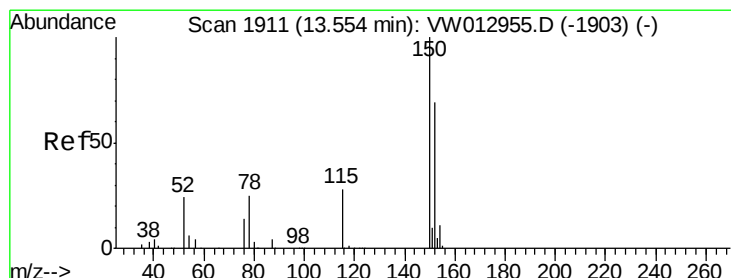
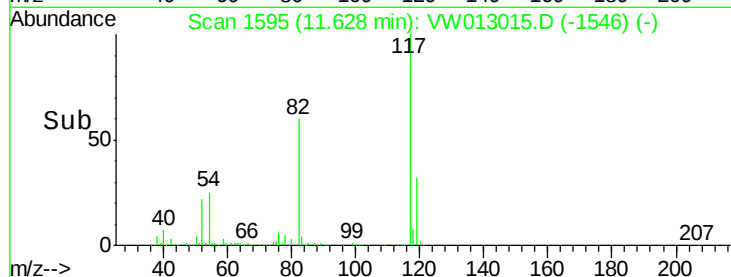
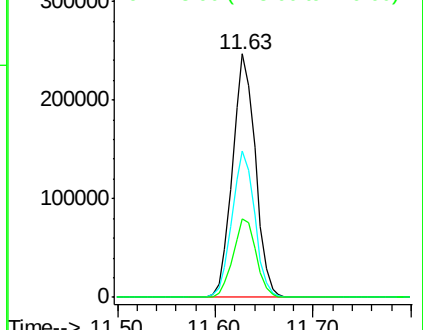
119 32.1 26.2 39.4



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. 0.01 min

Lab File: VW013015.D

Acq: 15 Sep 2019 02:17

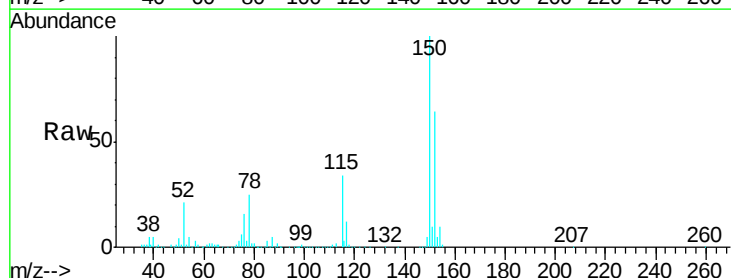
Tgt Ion:152 Resp: 170582

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.4

150 155.4 0.0 340.2



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

