

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012236.D
 Acq On : 28 Aug 2019 05:51
 Operator : SY/VA
 Sample : K4472-08
 Misc : 5.17G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S4(2.5)

Quant Time: Aug 28 08:09:12 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

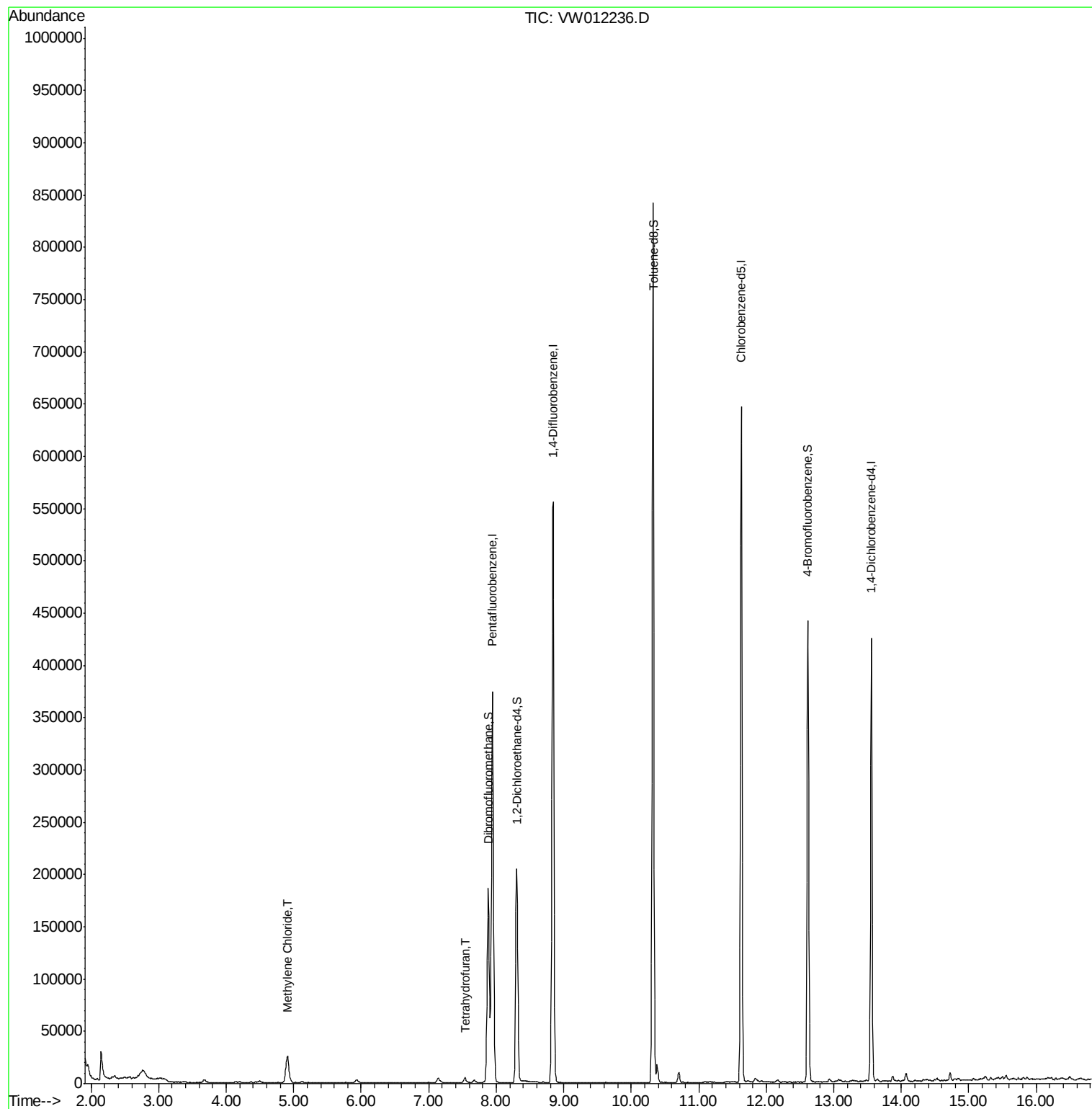
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	164901	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
35) Dibromofluoromethane	7.88	113	134960	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
50) Toluene-d8	10.32	98	532242	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.62	95	145358	37.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.92%	
Target Compounds						
20) Methylene Chloride	4.90	84	17955	5.659	ug/l	98
29) Tetrahydrofuran	7.53	42	4028	5.887	ug/l	94

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

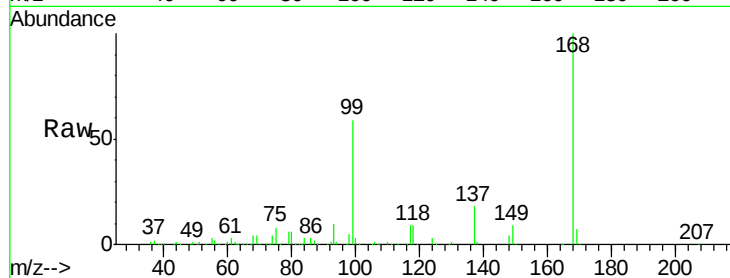
T1-S4(2.5)

Tot Ion:168 Resp: 276207

Ion Ratio Lower Upper

168 100

99 58.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

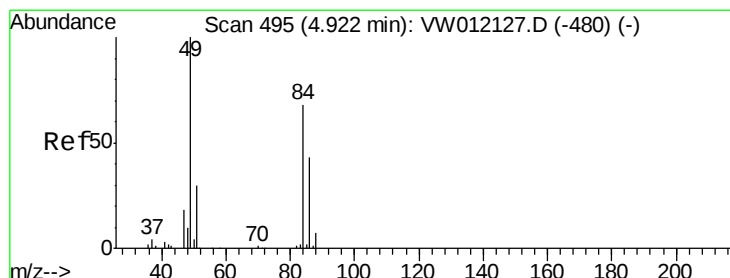
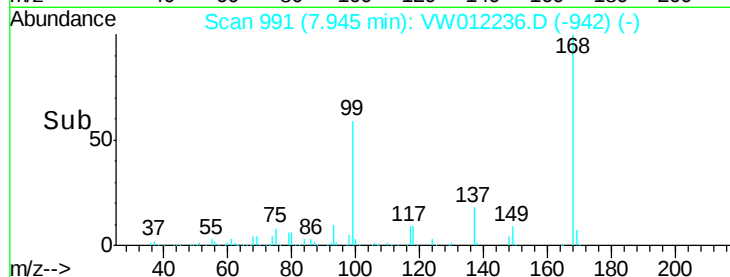
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 5.659 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Tgt Ion: 84 Resp: 17955

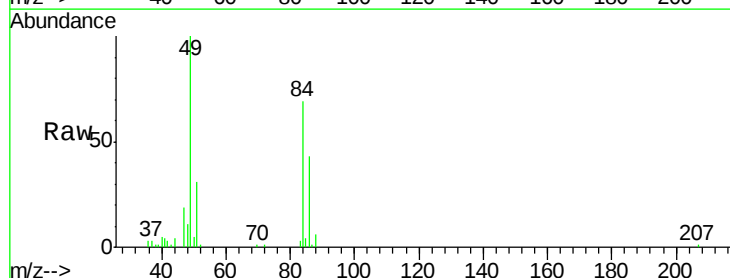
Ion Ratio Lower Upper

84 100

49 145.2 117.8 176.8

51 44.8 35.6 53.4

86 62.3 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

12000

10000

8000

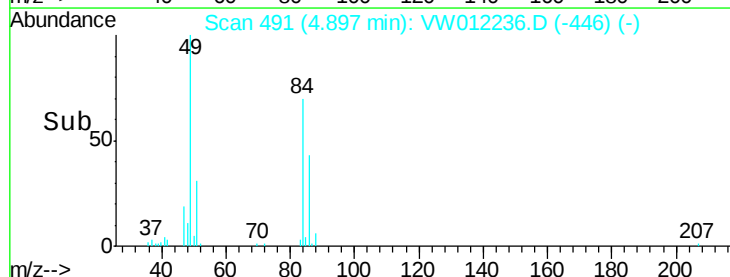
6000

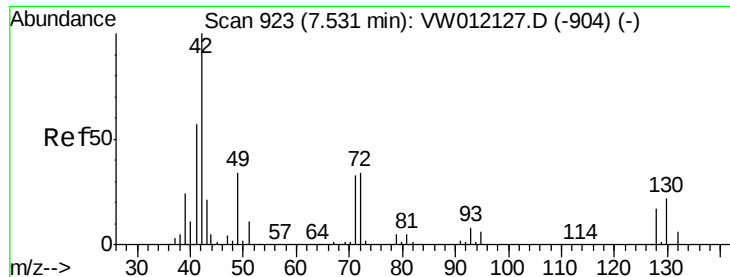
4000

2000

0

Time--> 4.80 4.90 5.00





#29

Tetrahydrofuran

Concen: 5.887 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(2.5)

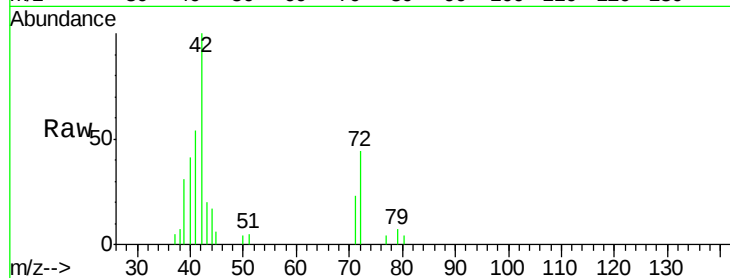
Tot Ion: 42 Resp: 4028

Ion Ratio Lower Upper

42 100

72 38.5 27.3 40.9

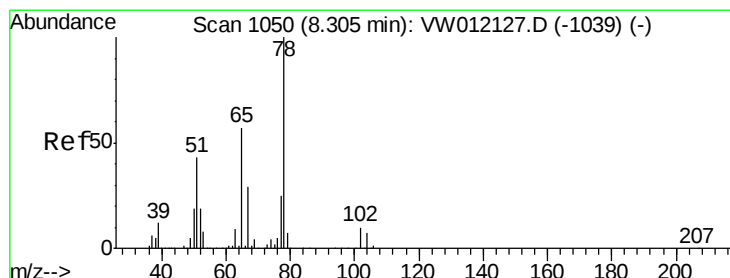
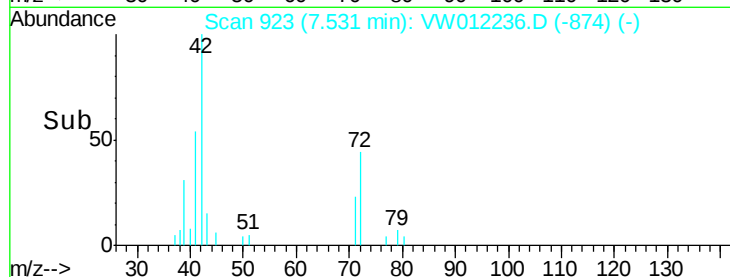
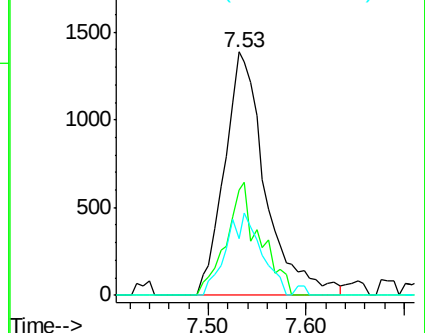
71 29.1 25.5 38.3



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



#33

1,2-Dichloroethane-d4

Concen: 50.222 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012236.D

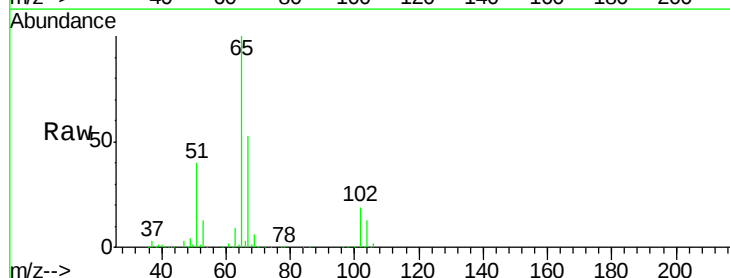
Acq: 28 Aug 2019 05:51

Tgt Ion: 65 Resp: 164901

Ion Ratio Lower Upper

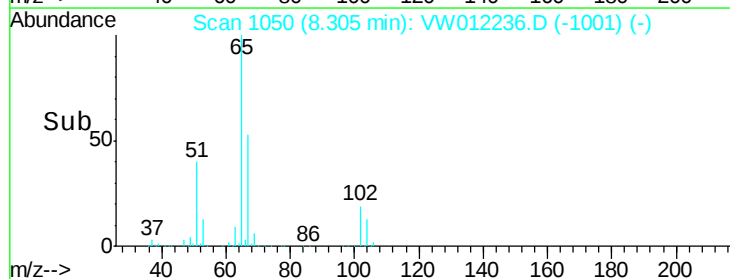
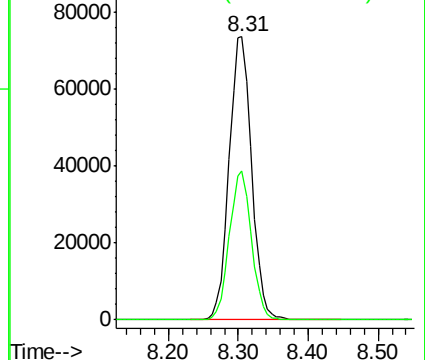
65 100

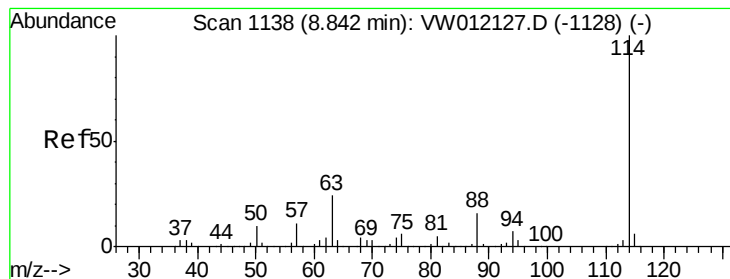
67 51.5 0.0 102.6



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: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(2.5)

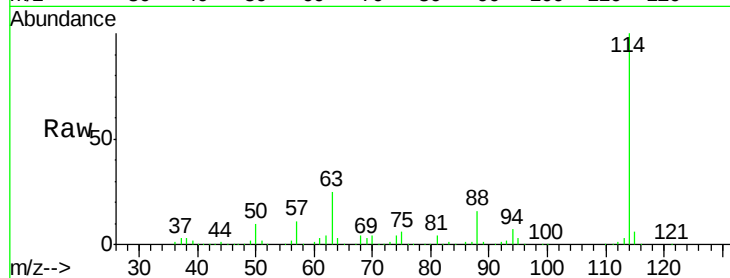
Tot Ion:114 Resp: 448847

Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.6

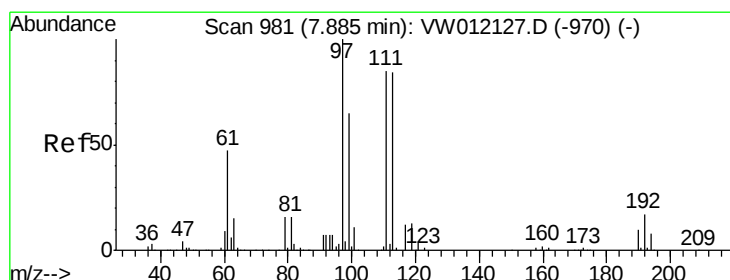
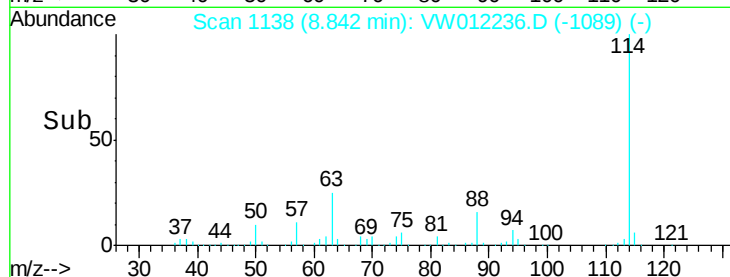
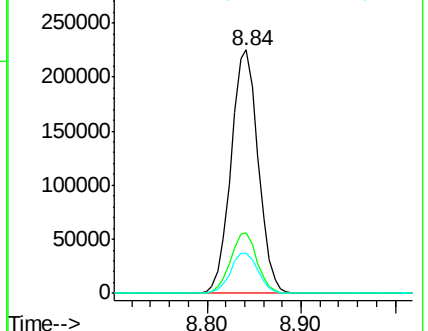
88 16.4 0.0 32.2



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: 50.374 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

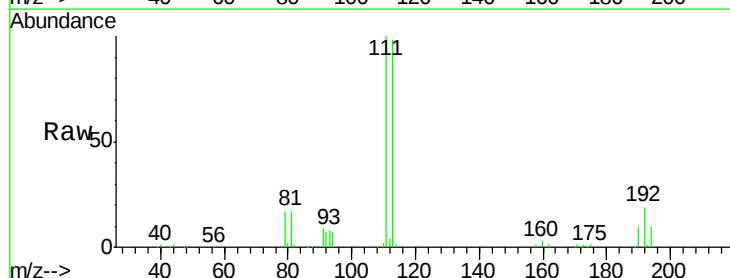
Tgt Ion:113 Resp: 134960

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

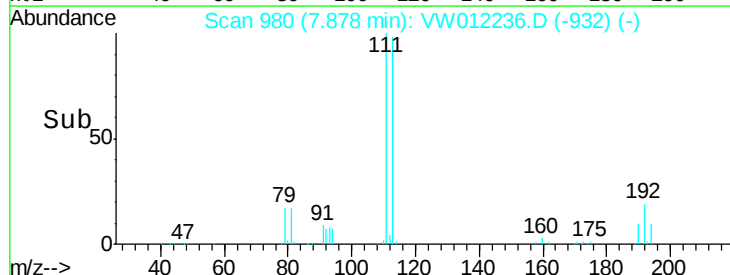
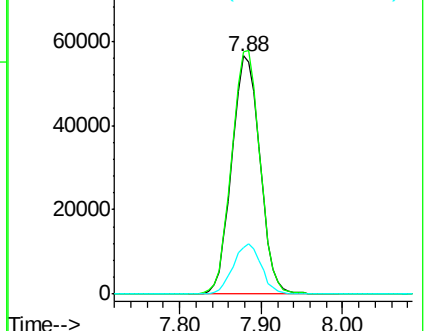
192 20.7 16.2 24.2

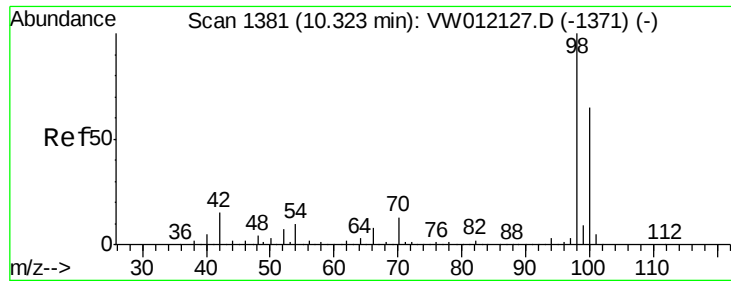


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.995 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

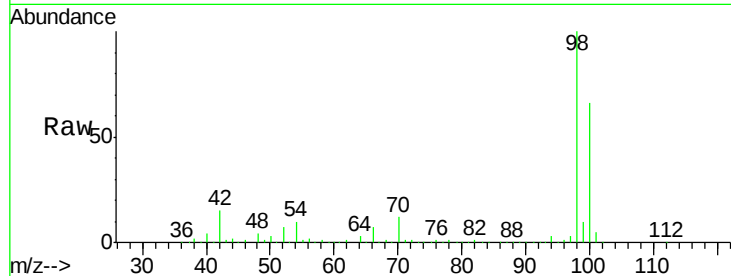
T1-S4(2.5)

Tot Ion: 98 Resp: 532242

Ion Ratio Lower Upper

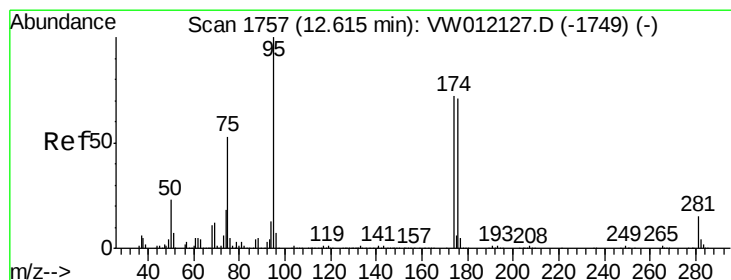
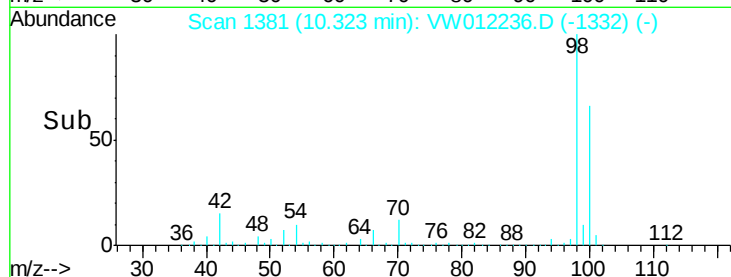
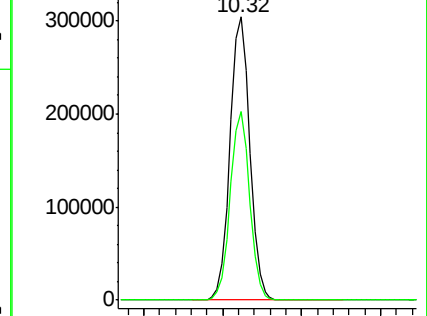
98 100

100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 37.959 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

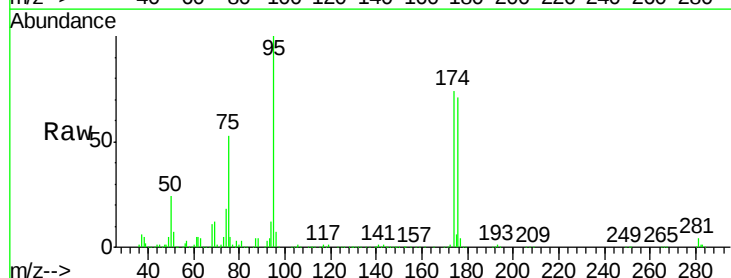
Tgt Ion: 95 Resp: 145358

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.8

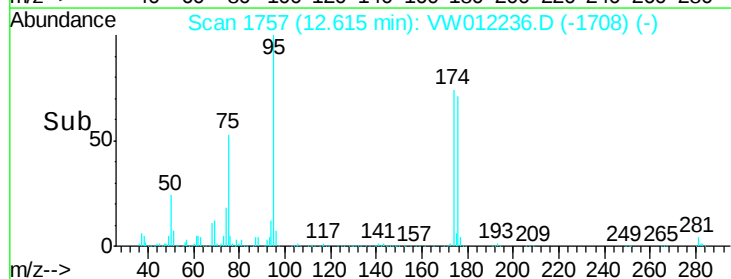
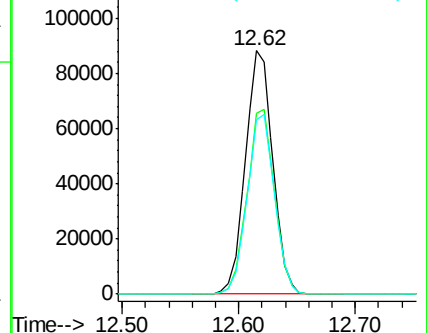
176 74.0 0.0 148.6

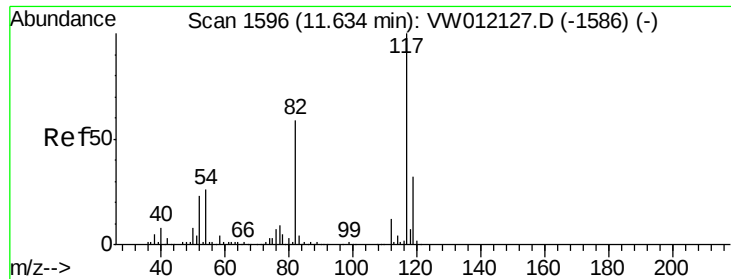


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

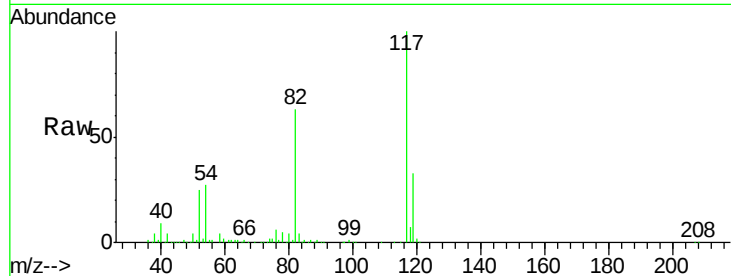




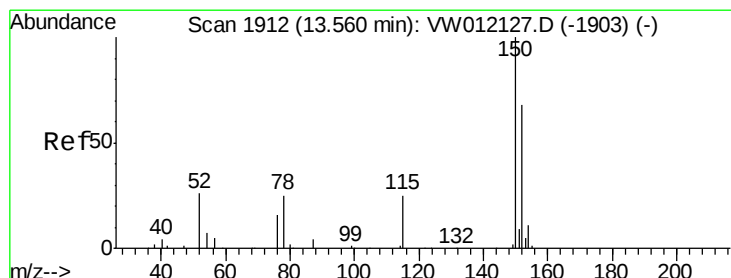
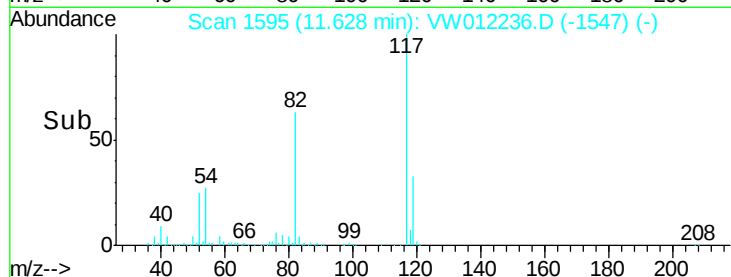
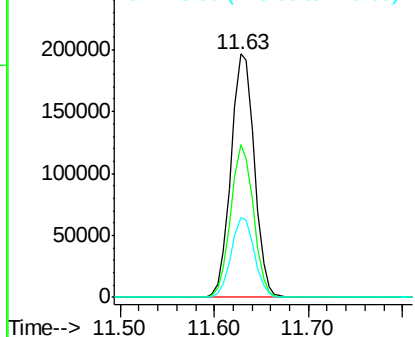
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

Instrument :
MSVOA_W
ClientSampleId :
T1-S4(2.5)

Tot Ion:117 Resp: 337414
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 32.8 25.4 38.2

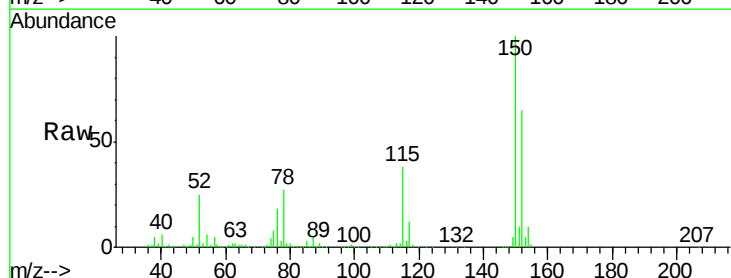


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

Tgt Ion:152 Resp: 104816
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.3
150 158.2 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

