

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012443.D
 Acq On : 01 Sep 2019 13:05
 Operator : SY/VA
 Sample : K4475-11RE
 Misc : 4.89G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-B-(0)RE

Quant Time: Sep 02 07:41:53 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

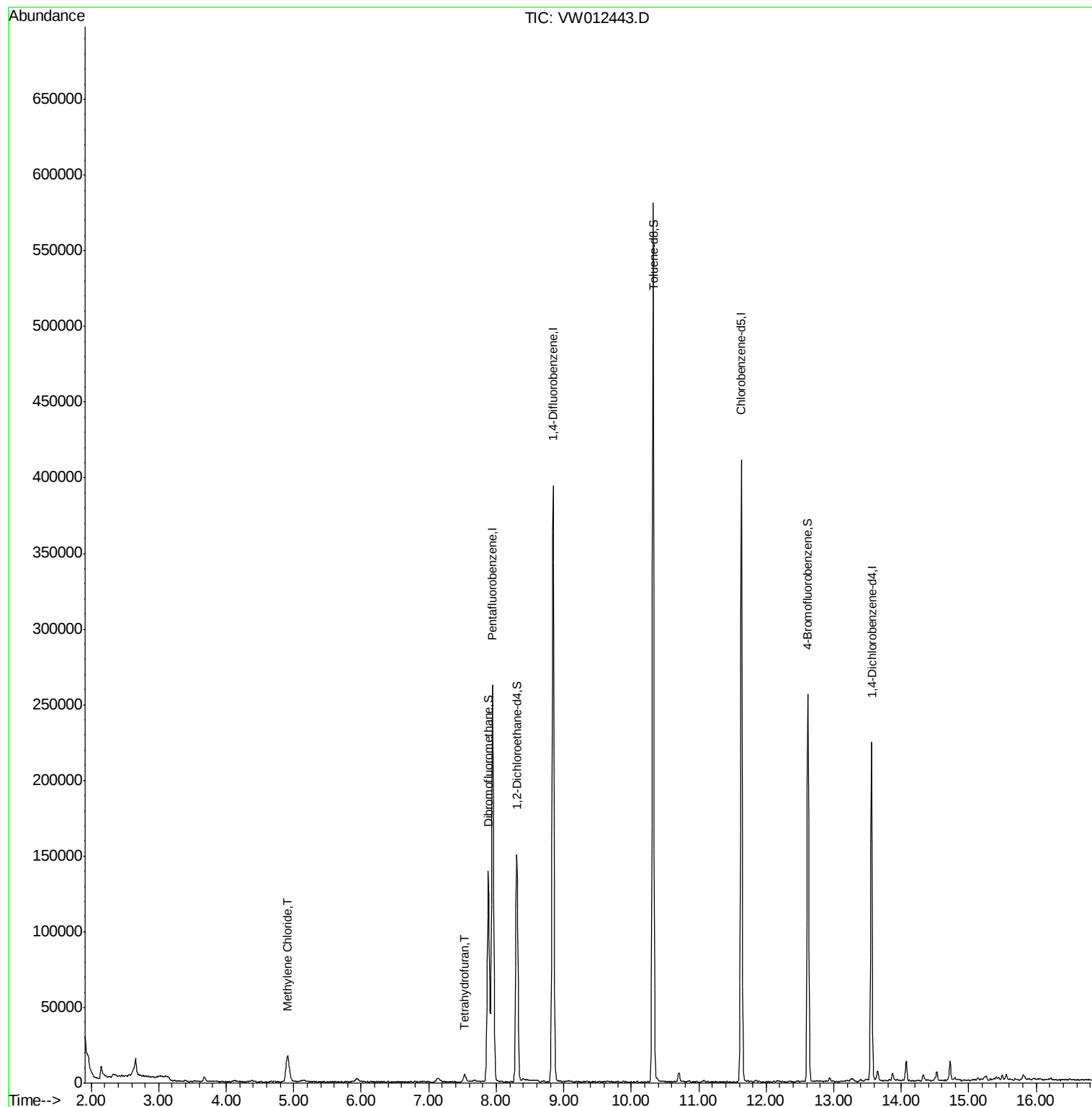
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	301872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	213279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54911	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126401	57.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.74%	
35) Dibromofluoromethane	7.88	113	95996	53.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.56%	
50) Toluene-d8	10.32	98	353662	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.62	95	82530	32.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.10%	
Target Compounds						
20) Methylene Chloride	4.91	84	12897	6.058	ug/l	96
29) Tetrahydrofuran	7.54	42	4264	9.287	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

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Instrument :

MSVOA_W

ClientSampleId :

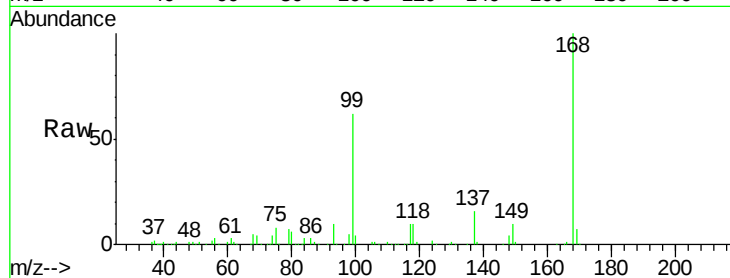
T1-2-B-(0)RE

Tot Ion:168 Resp: 185326

Ion Ratio Lower Upper

168 100

99 61.7 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

80000

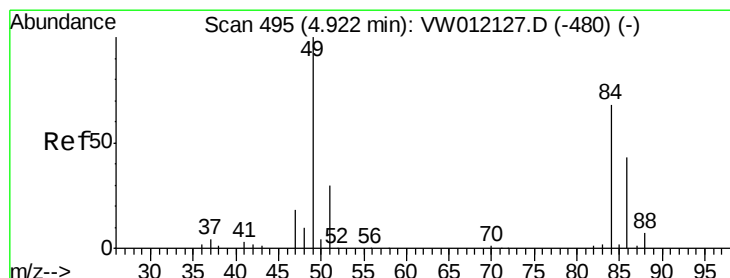
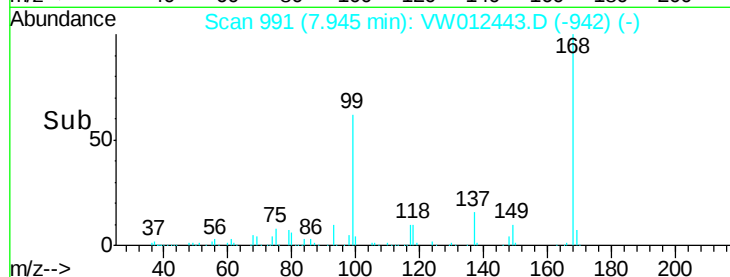
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#20

Methylene Chloride

Concen: 6.058 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012443.D

Acq: 01 Sep 2019 13:05

Tgt Ion: 84 Resp: 12897

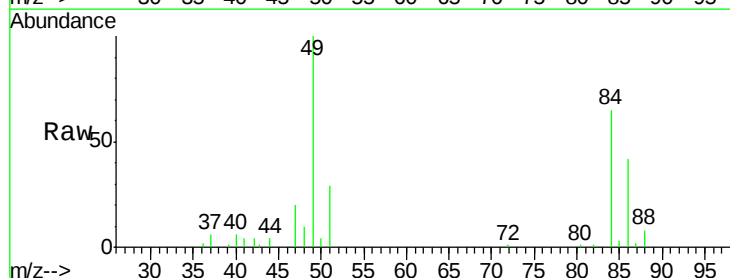
Ion Ratio Lower Upper

84 100

49 154.2 117.8 176.8

51 45.3 35.6 53.4

86 65.3 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

4.91

8000

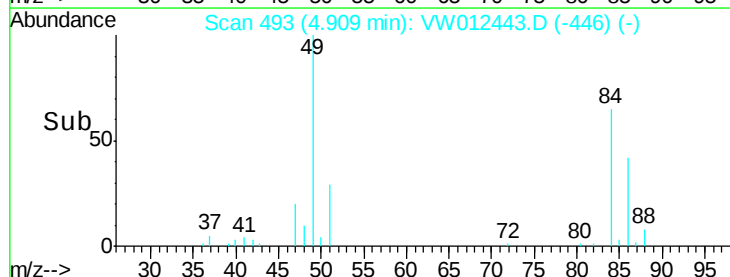
6000

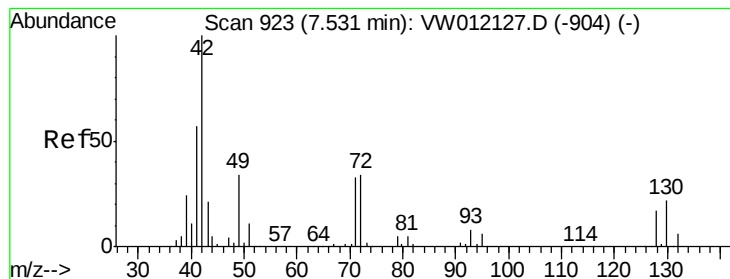
4000

2000

0

Time--> 4.80 4.90 5.00





#29

Tetrahydrofuran

Concen: 9.287 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012443.D

Acq: 01 Sep 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

T1-2-B-(0)RE

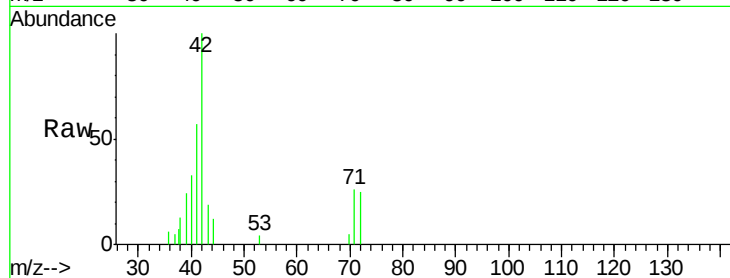
Tot Ion: 42 Resp: 4264

Ion Ratio Lower Upper

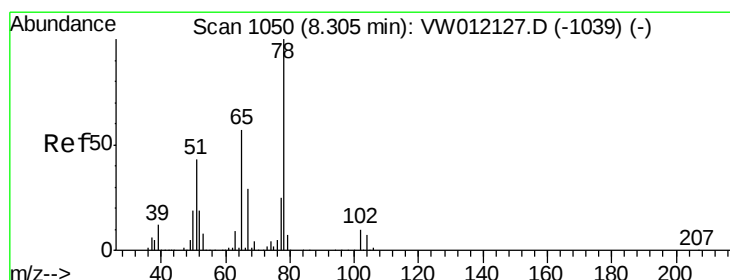
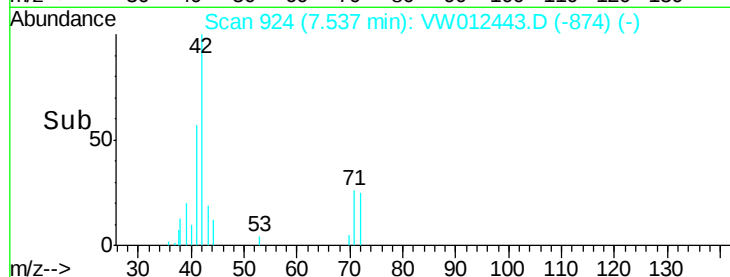
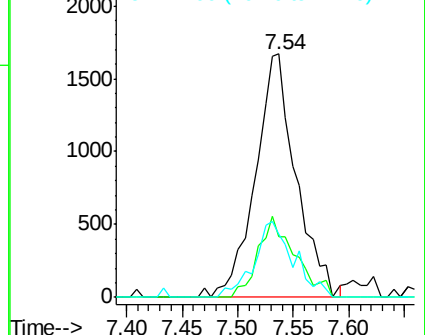
42 100

72 30.1 27.3 40.9

71 30.4 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: 57.375 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012443.D

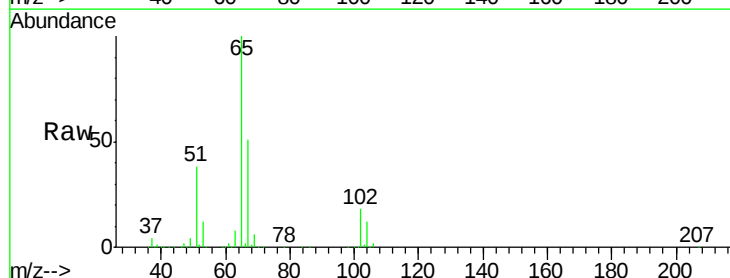
Acq: 01 Sep 2019 13:05

Tgt Ion: 65 Resp: 126401

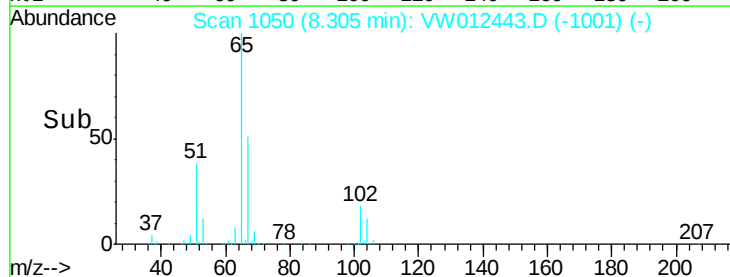
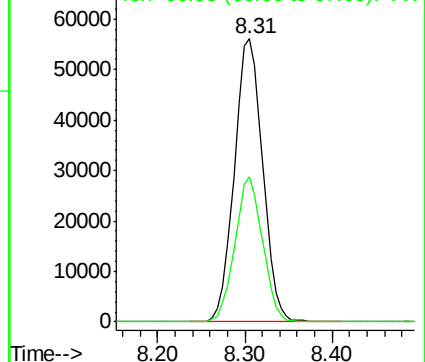
Ion Ratio Lower Upper

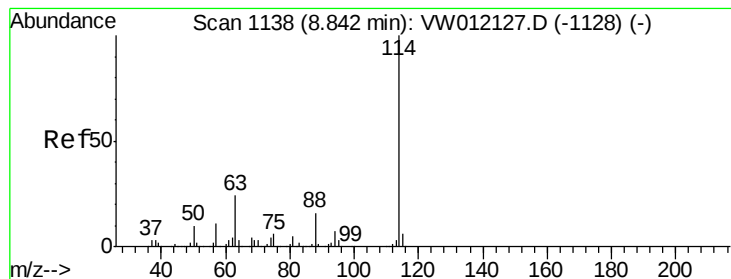
65 100

67 50.1 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: VW012443.D

Acq: 01 Sep 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

T1-2-B-(0)RE

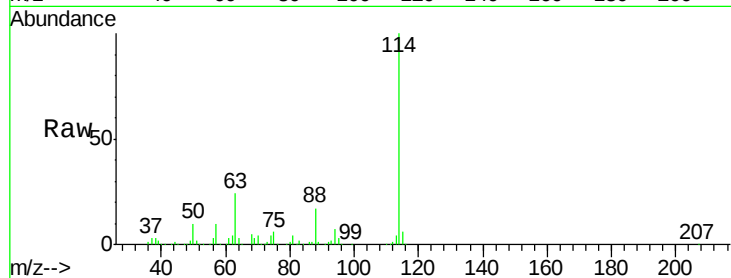
Tot Ion:114 Resp: 301872

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.6

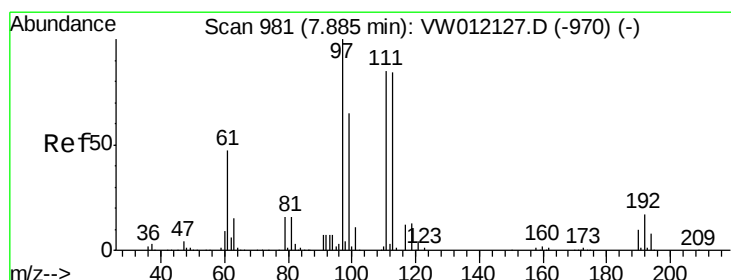
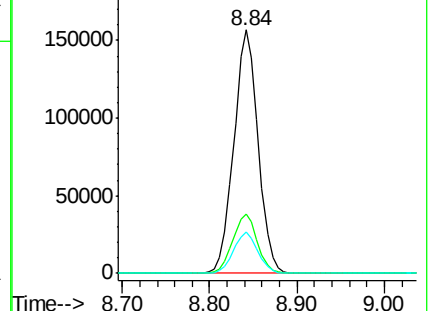
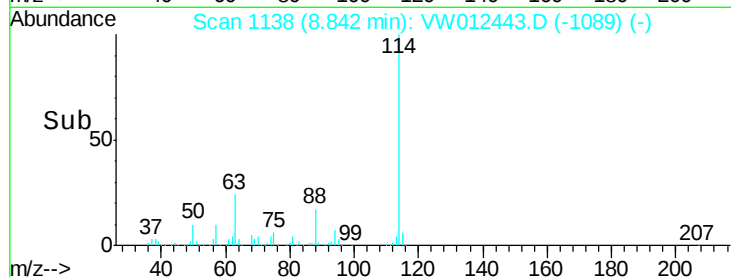
88 16.9 0.0 32.2



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: 53.275 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012443.D

Acq: 01 Sep 2019 13:05

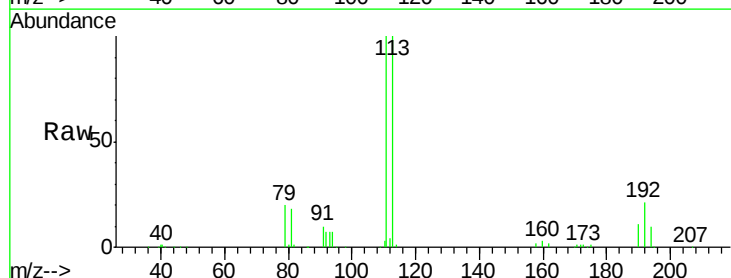
Tgt Ion:113 Resp: 95996

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

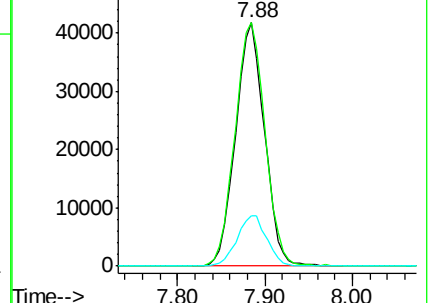
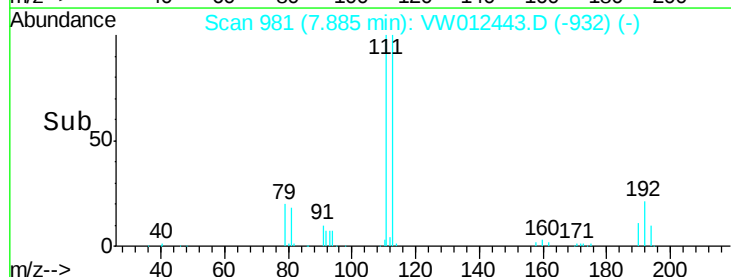
192 21.2 16.2 24.2

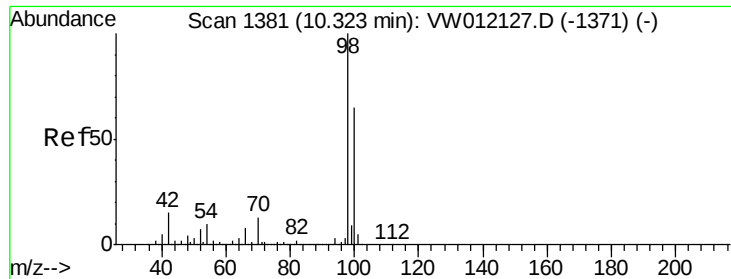


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.406 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012443.D

Acq: 01 Sep 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

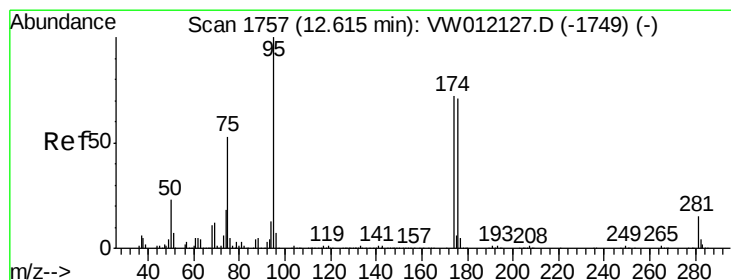
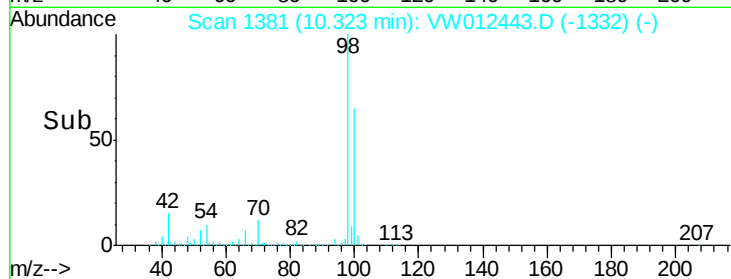
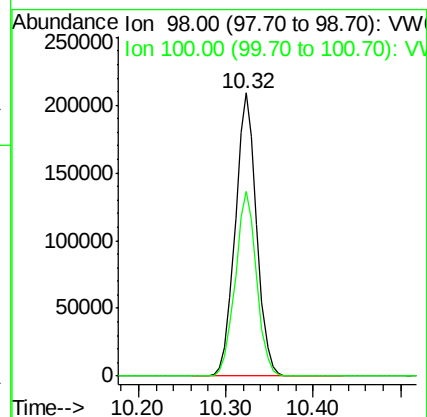
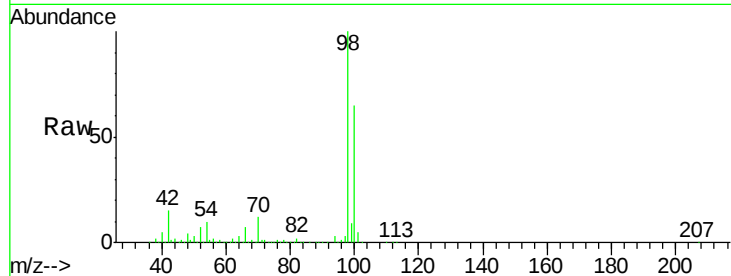
T1-2-B-(0)RE

Tot Ion: 98 Resp: 353662

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 32.046 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012443.D

Acq: 01 Sep 2019 13:05

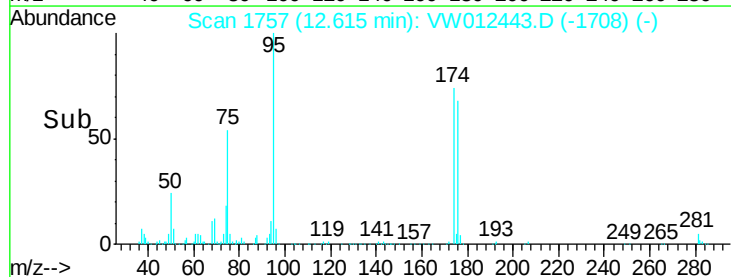
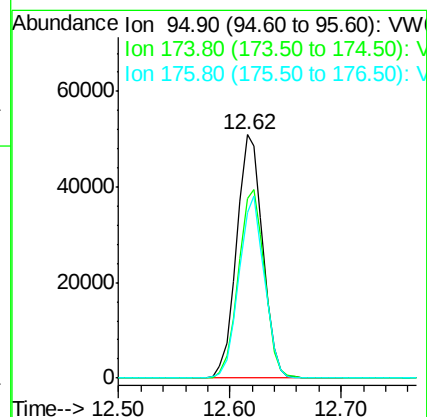
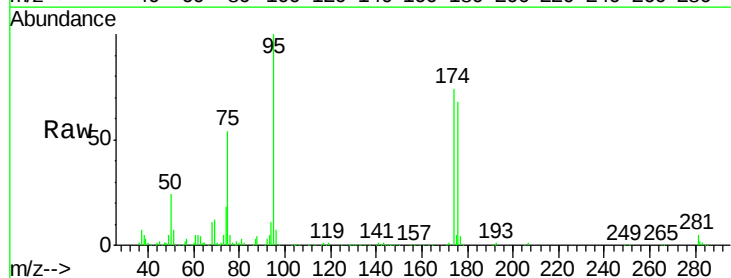
Tgt Ion: 95 Resp: 82530

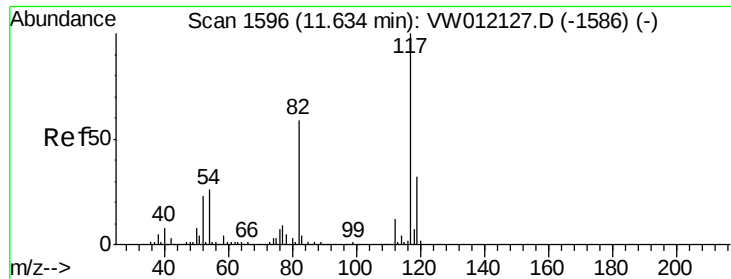
Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.8

176 73.0 0.0 148.6

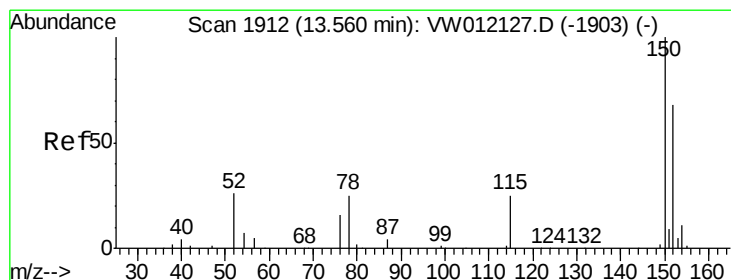
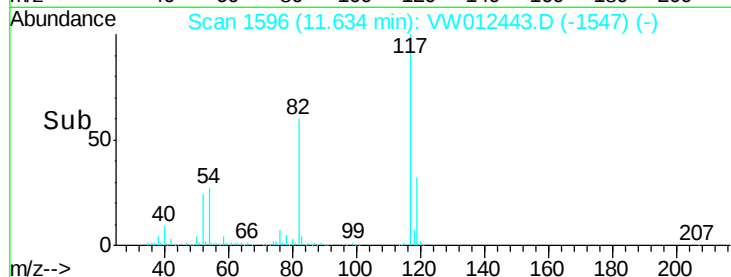
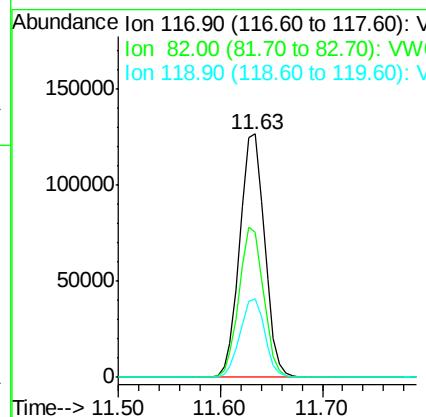
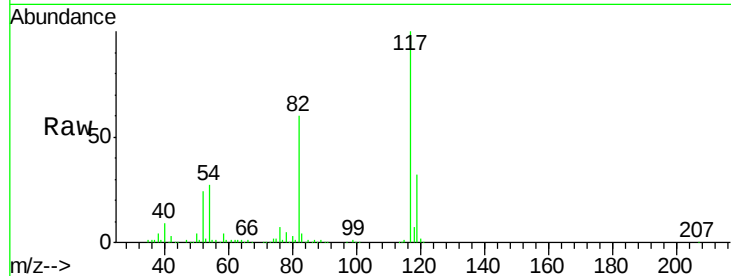




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012443.D
Acq: 01 Sep 2019 13:05

Instrument :
MSVOA_W
ClientSampleId :
T1-2-B-(0)RE

Tot Ion:117 Resp: 213279
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012443.D
Acq: 01 Sep 2019 13:05

Tgt Ion:152 Resp: 54911
Ion Ratio Lower Upper
152 100
115 61.6 30.1 90.3
150 158.3 0.0 345.8

