

Data File : VW012705.D
Acq On : 06 Sep 2019 22:06
Operator : SY/VA
Sample : K4581-18
Misc : 3.00G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

Quant Time: Sep 07 06:44:48 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

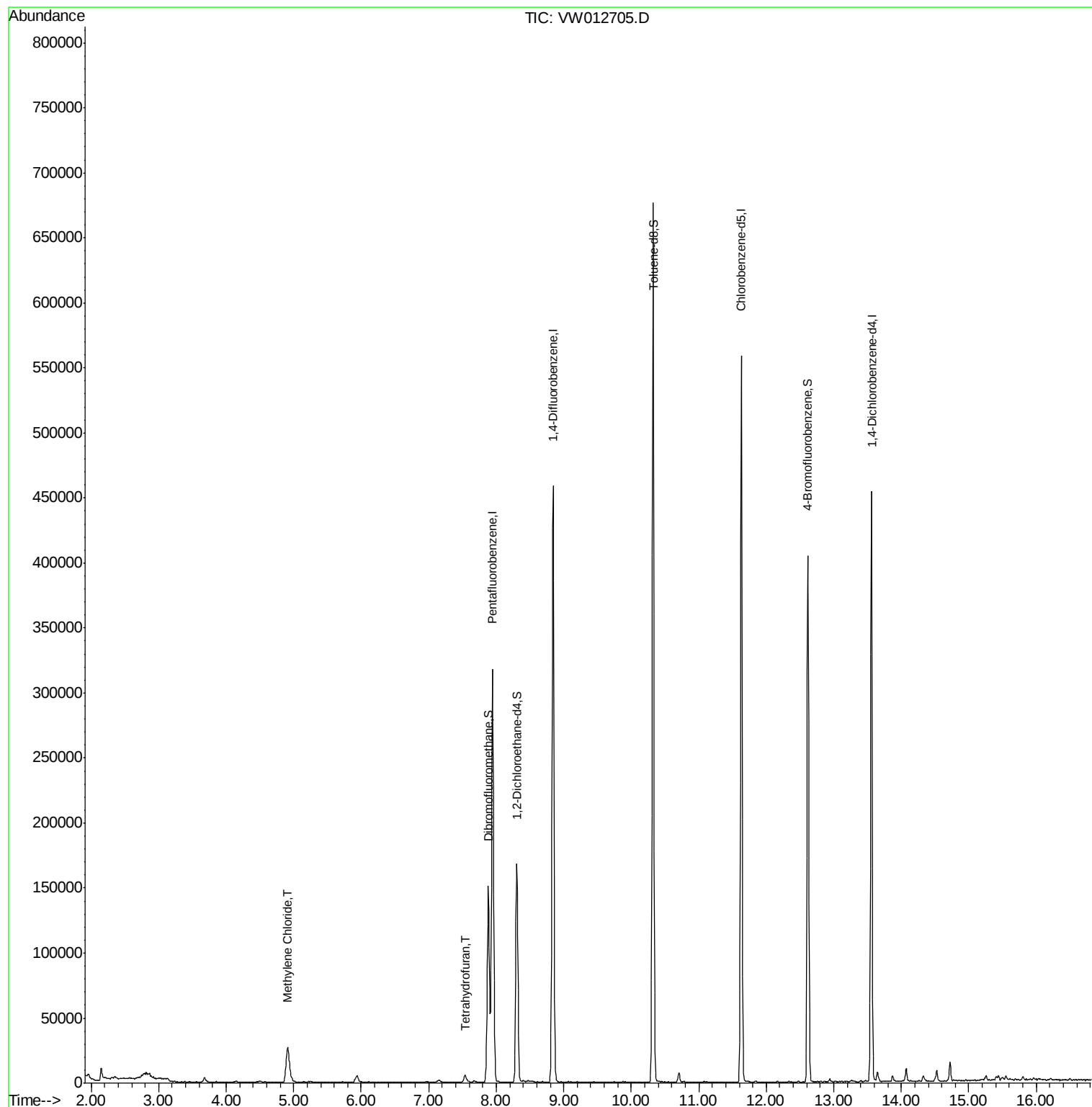
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119214	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137702	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
35) Dibromofluoromethane	7.88	113	107727	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
50) Toluene-d8	10.32	98	424104	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.62	95	131951	42.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.60%	
Target Compounds						
20) Methylene Chloride	4.92	84	20773	7.599	ug/l	91
29) Tetrahydrofuran	7.54	42	4926	8.356	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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MSVOA_W

ClientSampleId :

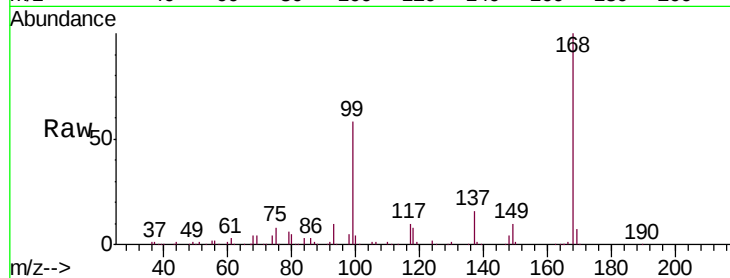
T12-D3-(3.5)

Tgt Ion:168 Resp: 237952

Ion Ratio Lower Upper

168 100

99 58.1 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

120000

100000

80000

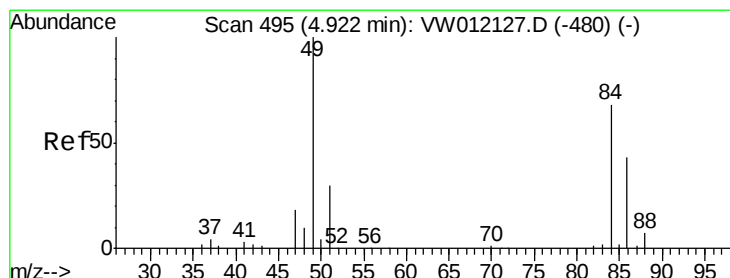
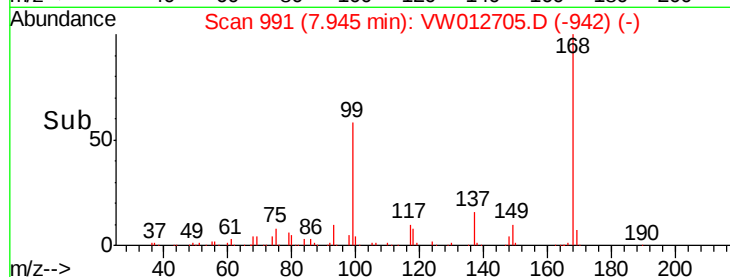
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 7.599 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

Tgt Ion: 84 Resp: 20773

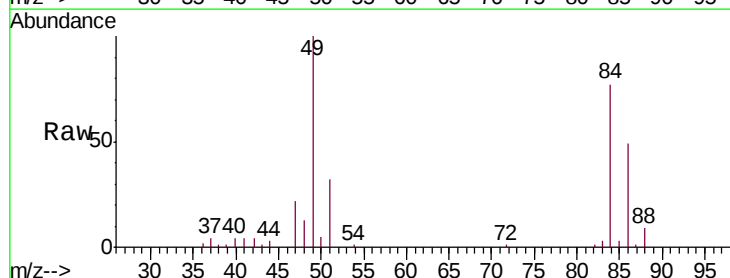
Ion Ratio Lower Upper

84 100

49 130.1 117.8 176.8

51 41.4 35.6 53.4

86 63.3 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

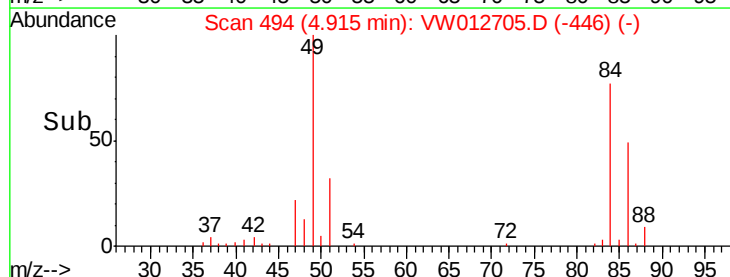
6000

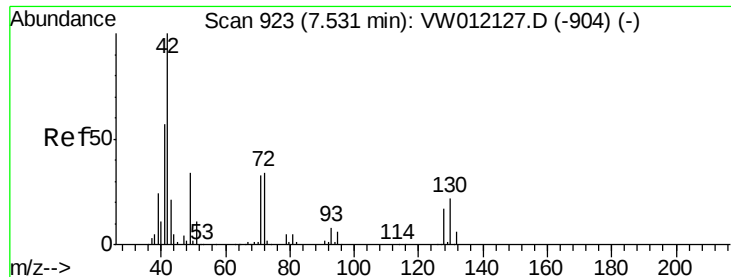
4000

2000

0

Time--> 4.80 4.90 5.00

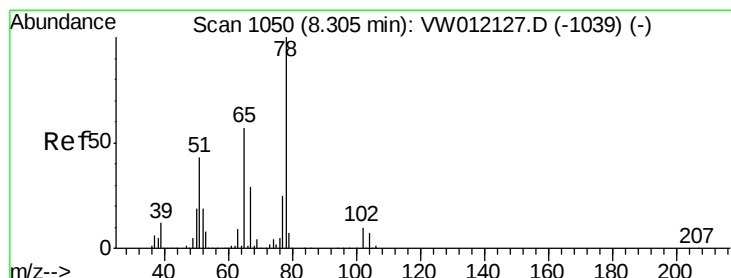
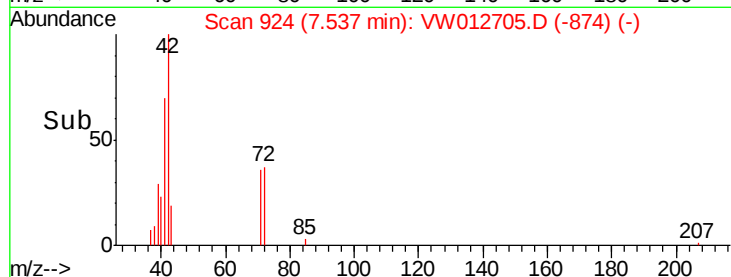
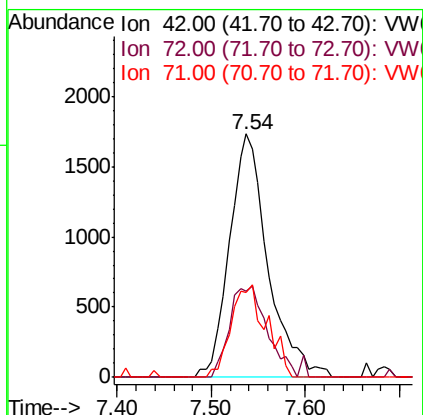
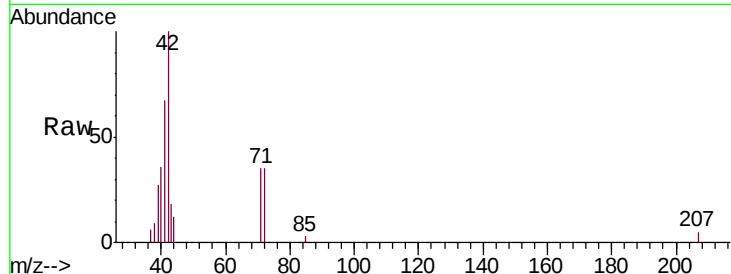




#29
Tetrahydrofuran
Concen: 8.356 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

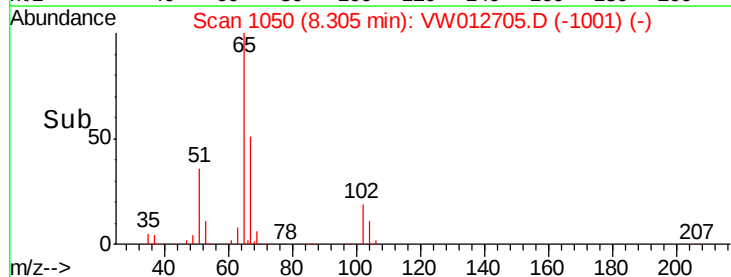
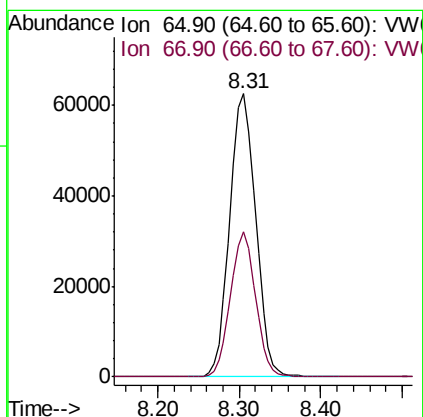
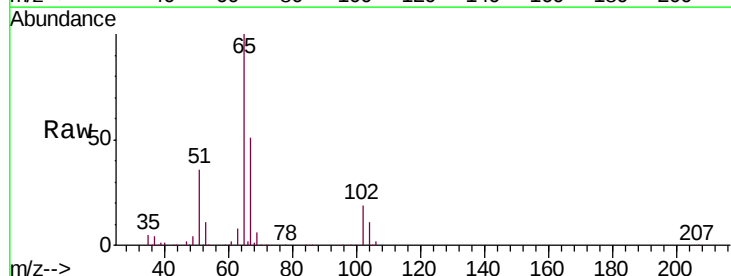
Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

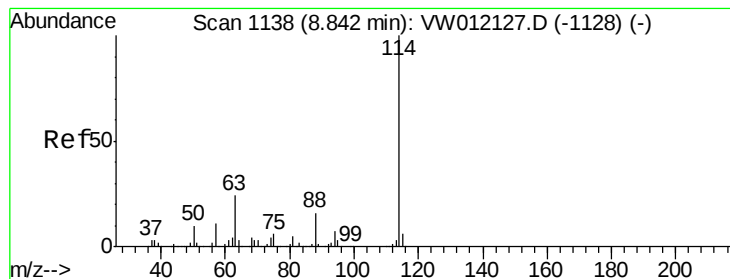
Tgt Ion: 42 Resp: 4926
Ion Ratio Lower Upper
42 100
72 36.6 27.3 40.9
71 35.4 25.5 38.3



#33
1,2-Dichloroethane-d4
Concen: 48.681 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Tgt Ion: 65 Resp: 137702
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

T12-D3-(3.5)

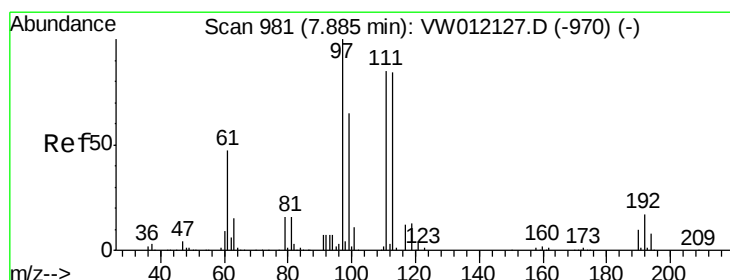
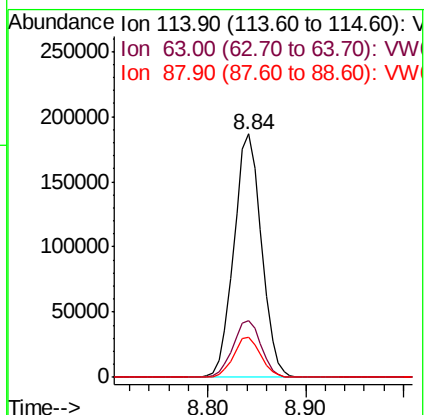
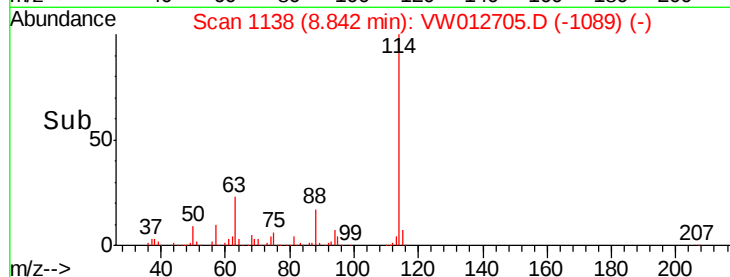
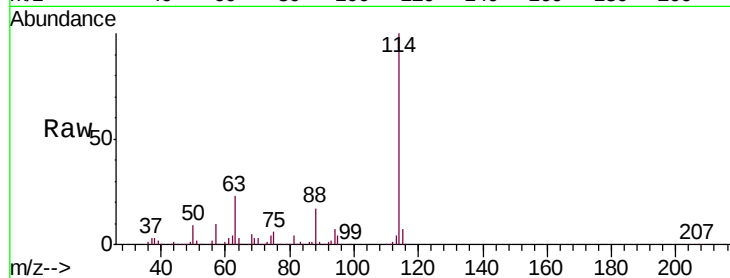
Tgt Ion:114 Resp: 365616

Ion Ratio Lower Upper

114 100

63 23.1 0.0 48.6

88 16.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.362 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

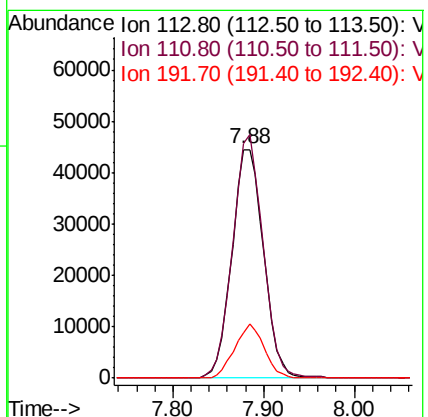
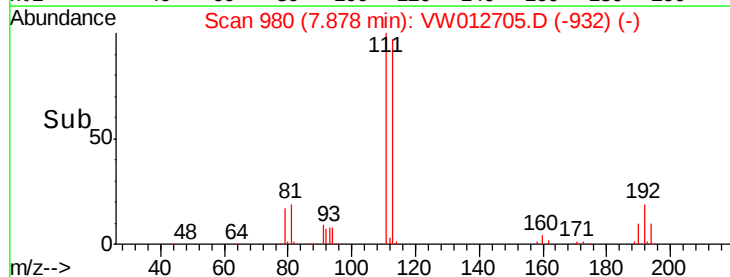
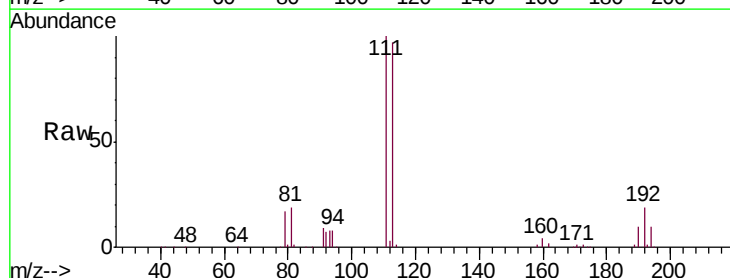
Tgt Ion:113 Resp: 107727

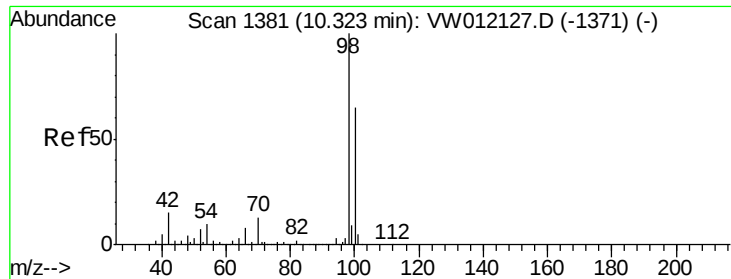
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 22.0 16.2 24.2





#50

Toluene-d8

Concen: 47.927 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

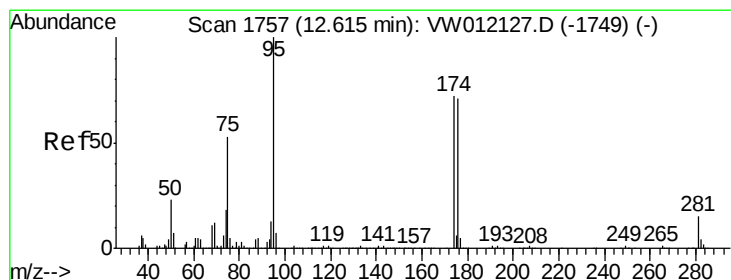
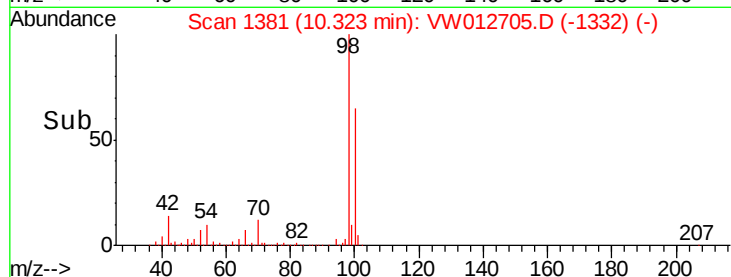
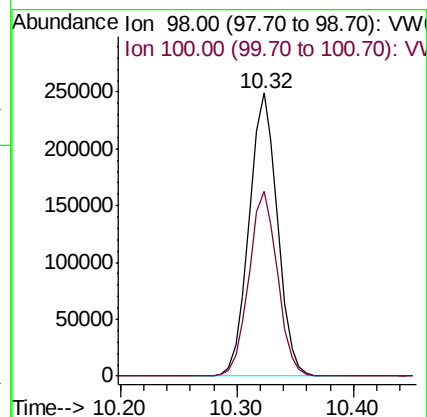
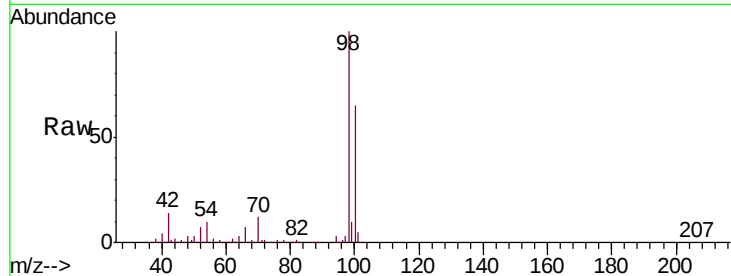
T12-D3-(3.5)

Tgt Ion: 98 Resp: 424104

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.303 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

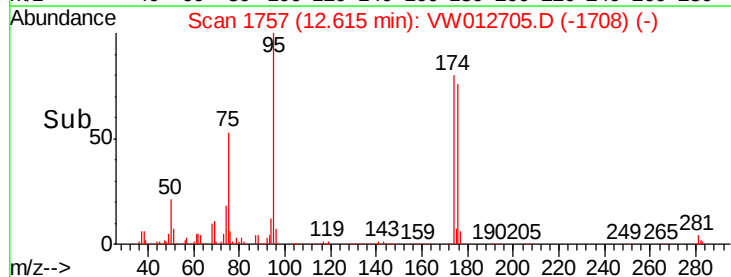
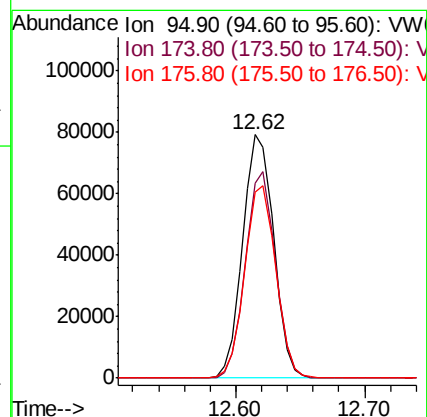
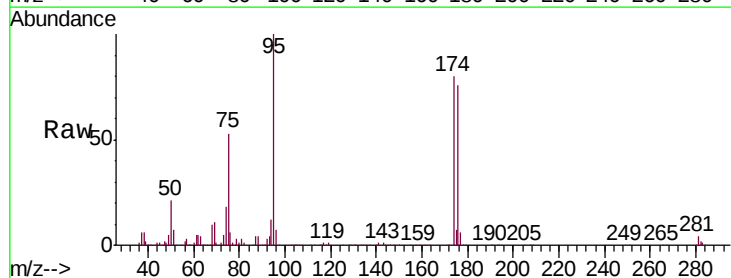
Tgt Ion: 95 Resp: 131951

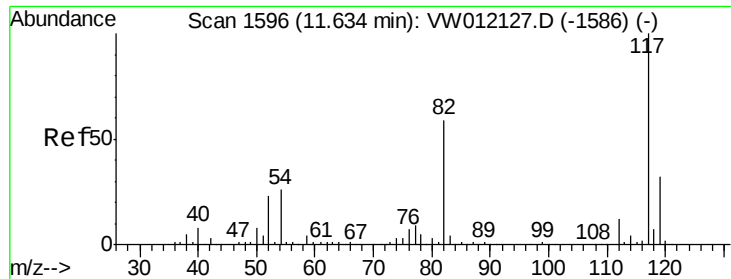
Ion Ratio Lower Upper

95 100

174 82.3 0.0 150.8

176 79.4 0.0 148.6

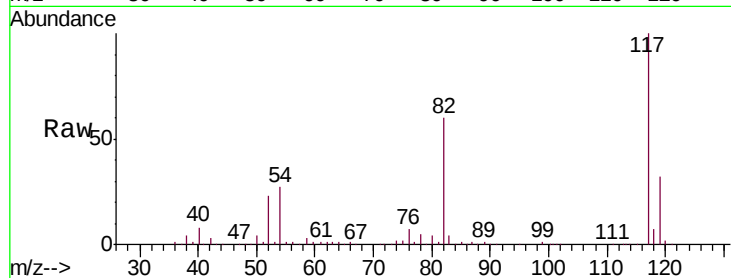




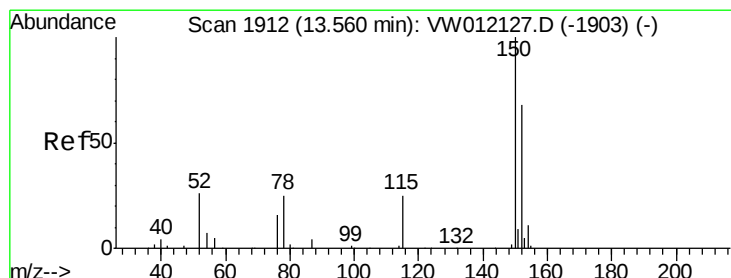
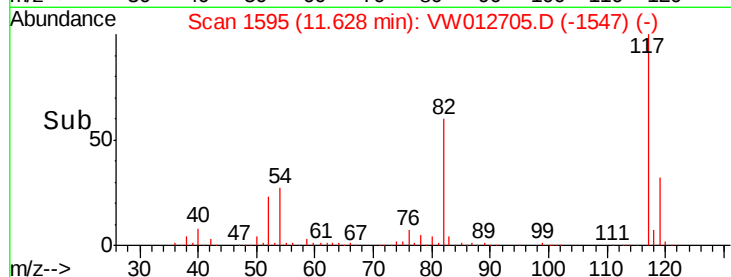
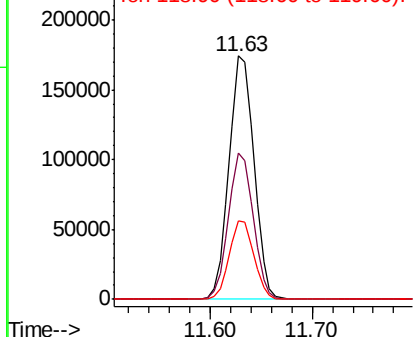
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

Tgt Ion:117 Resp: 295336
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.2 25.4 38.2

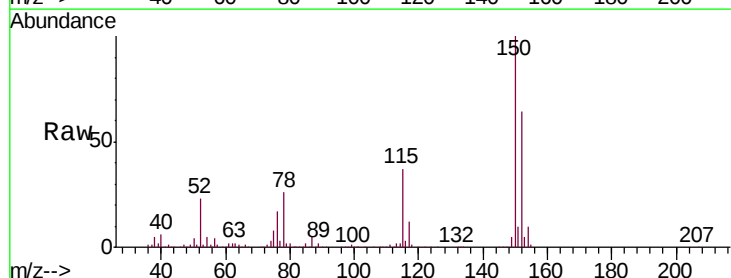


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Tgt Ion:152 Resp: 119214
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.3
150 154.2 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

