

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012054.D
 Acq On : 21 Aug 2019 02:07
 Operator : SY/VA
 Sample : K4387-20
 Misc : 5.33G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-B2-(0)

Quant Time: Aug 21 03:20:25 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

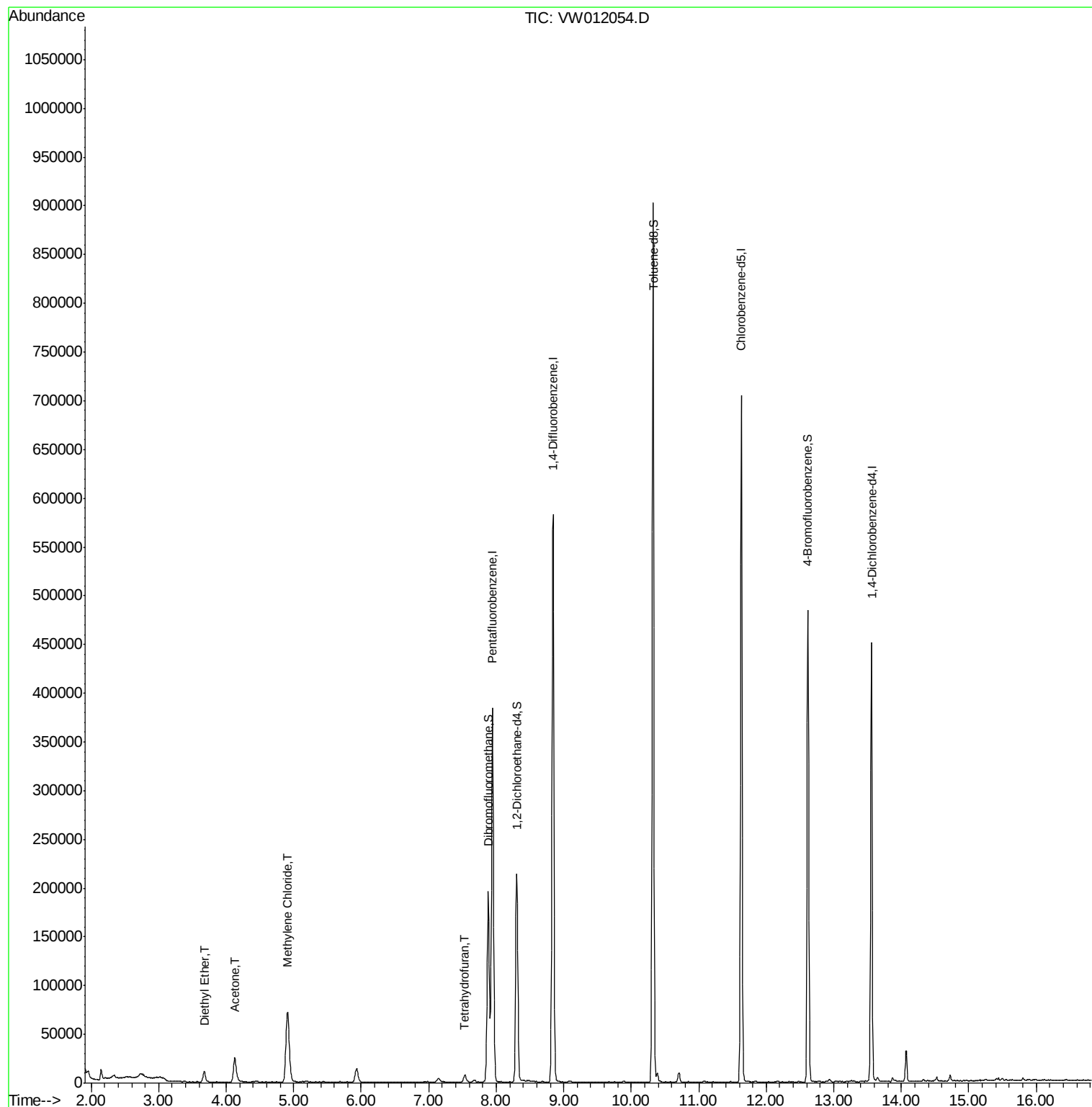
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	465587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	172295	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
35) Dibromofluoromethane	7.88	113	140444	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.54%	
50) Toluene-d8	10.32	98	566949	53.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.62	95	159195	41.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.50%	
Target Compounds						
8) Diethyl Ether	3.67	74	5816	3.523	ug/l	96
16) Acetone	4.13	43	51044	49.899	ug/l	96
20) Methylene Chloride	4.91	84	55898	15.844	ug/l	97
29) Tetrahydrofuran	7.54	42	6642	8.681	ug/l	99

(#) = 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: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampled :

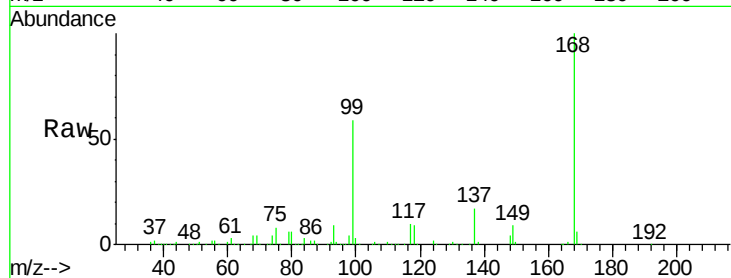
T4-B2-(0)

Tot Ion:168 Resp: 280059

Ion Ratio Lower Upper

168 100

99 58.8 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

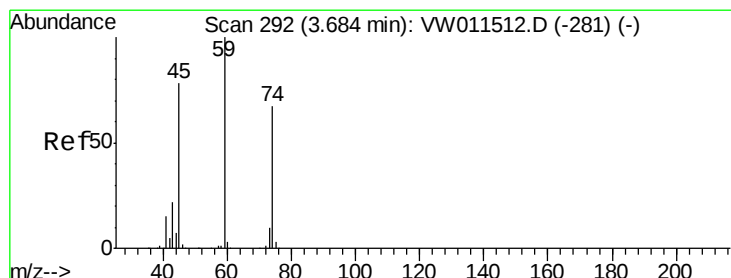
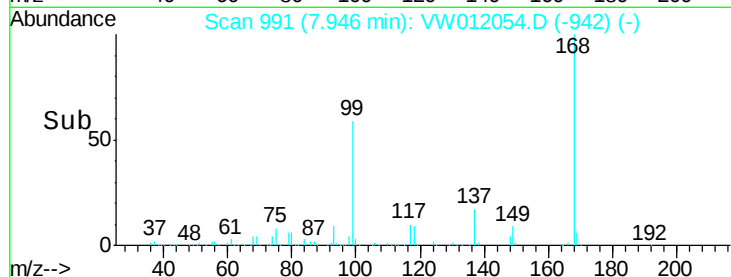
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.523 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012054.D

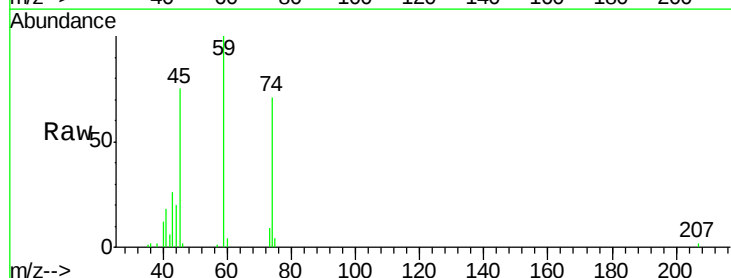
Acq: 21 Aug 2019 02:07

Tgt Ion: 74 Resp: 5816

Ion Ratio Lower Upper

74 100

45 123.8 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

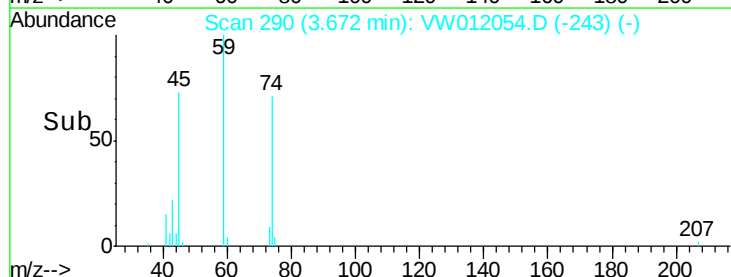
3000

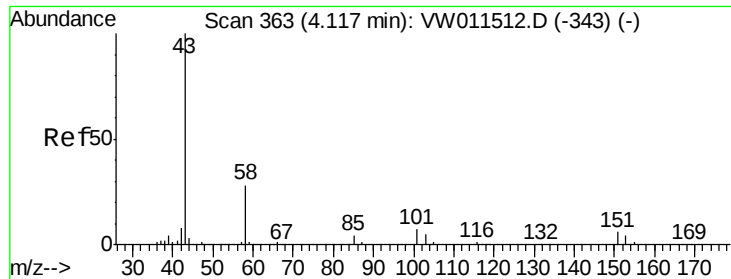
2000

1000

0

Time-->





#16

Acetone

Concen: 49.899 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampleId :

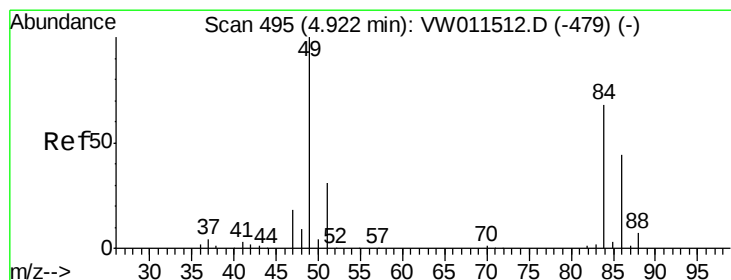
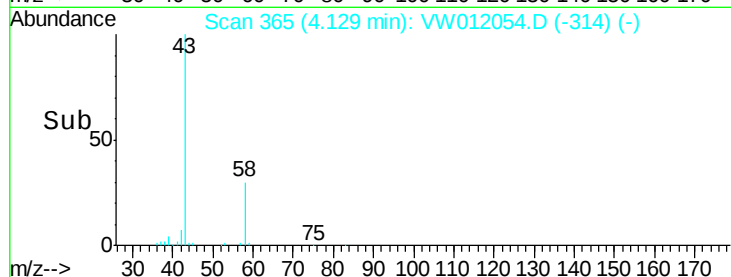
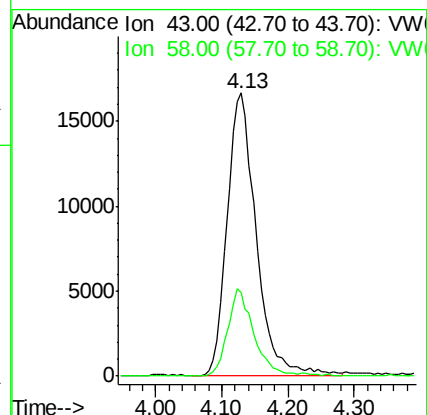
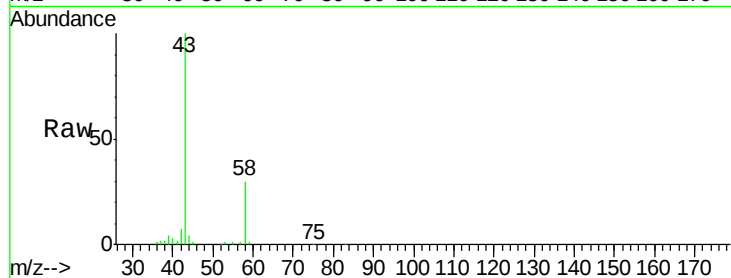
T4-B2-(0)

Tot Ion: 43 Resp: 51044

Ion Ratio Lower Upper

43 100

58 29.8 22.3 33.5



#20

Methylene Chloride

Concen: 15.844 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

Tgt Ion: 84 Resp: 55898

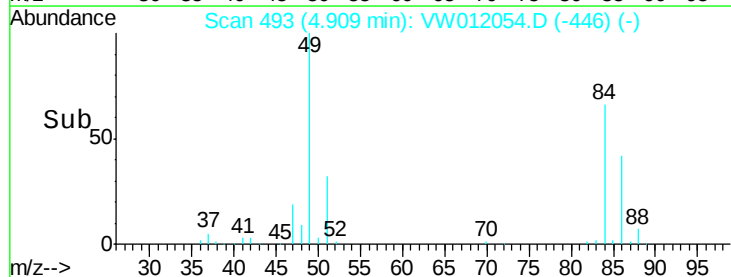
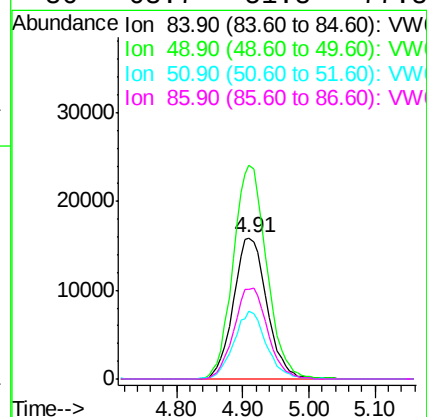
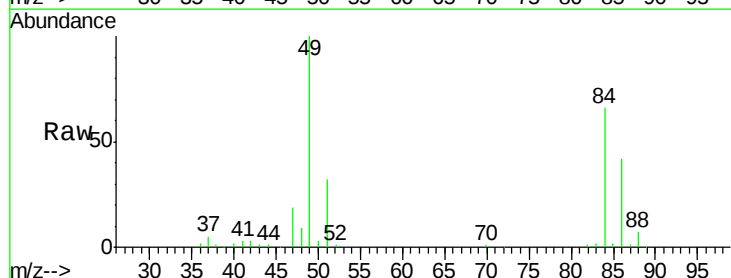
Ion Ratio Lower Upper

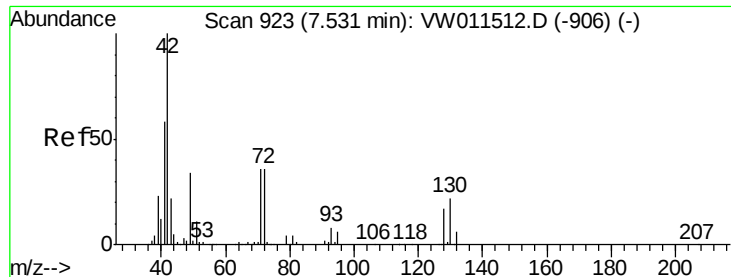
84 100

49 151.1 117.8 176.6

51 48.0 37.0 55.4

86 63.7 51.8 77.8

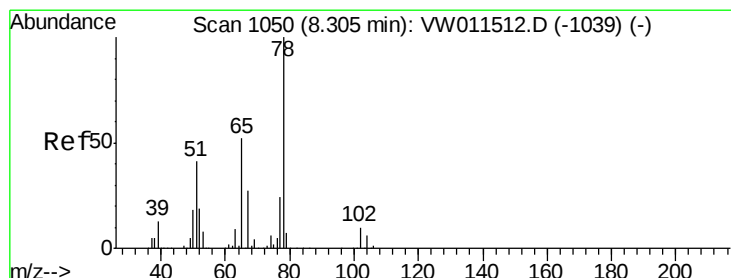
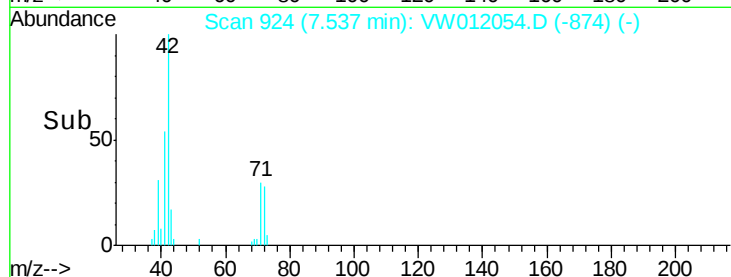
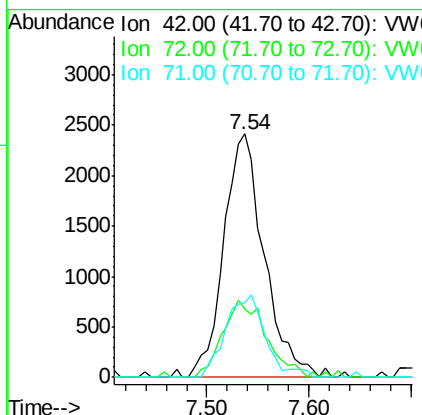
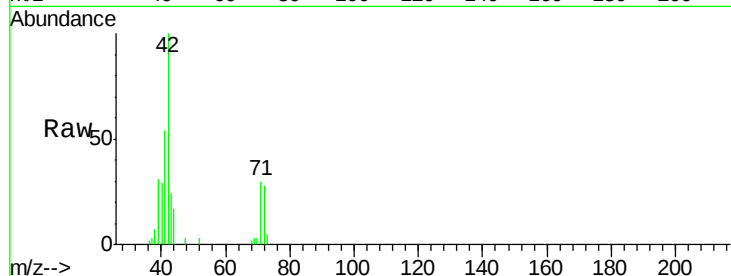




#29
Tetrahydrofuran
Concen: 8.681 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

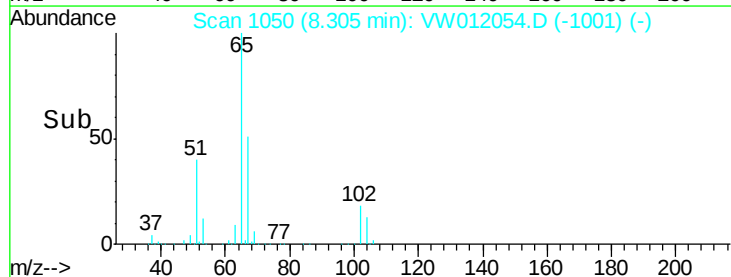
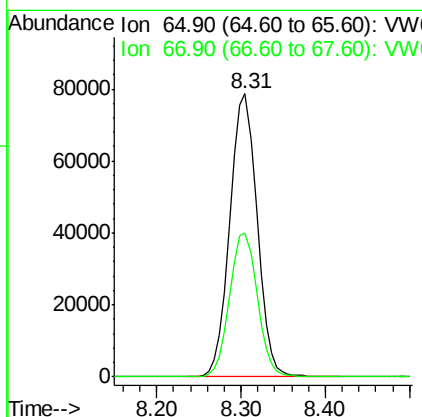
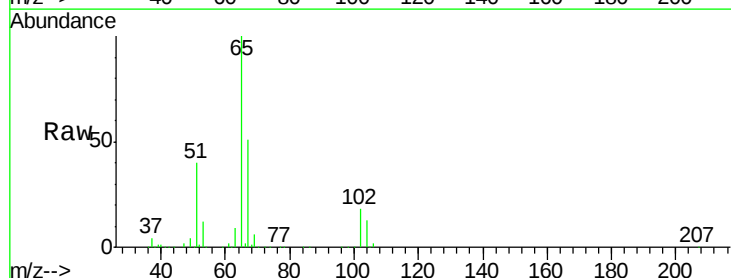
Instrument :
MSVOA_W
ClientSampleId :
T4-B2-(0)

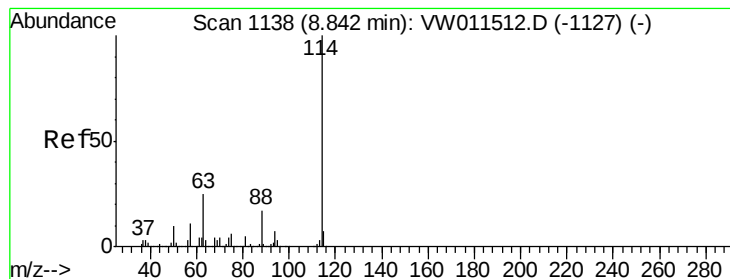
Tot Ion: 42 Resp: 6642
Ion Ratio Lower Upper
42 100
72 34.0 27.1 40.7
71 33.4 26.2 39.4



#33
1,2-Dichloroethane-d4
Concen: 53.577 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

Tgt Ion: 65 Resp: 172295
Ion Ratio Lower Upper
65 100
67 51.7 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: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampleId :

T4-B2-(0)

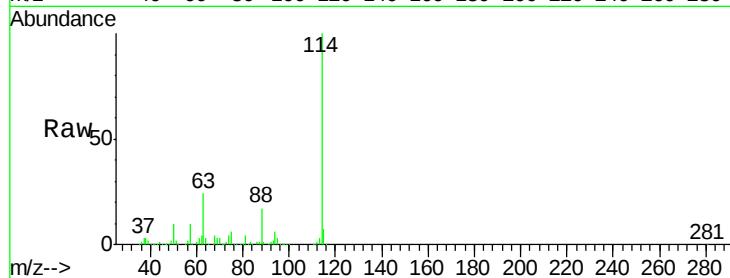
Tot Ion:114 Resp: 465587

Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.2

88 16.8 0.0 33.8



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

300000

250000

200000

150000

100000

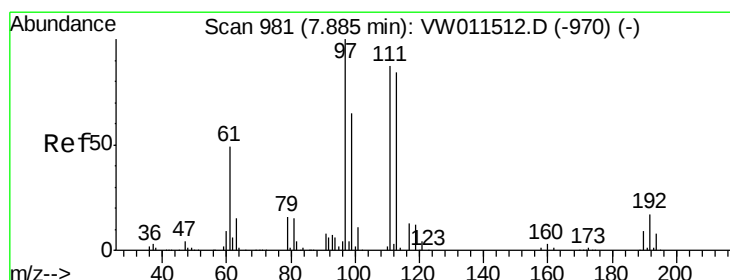
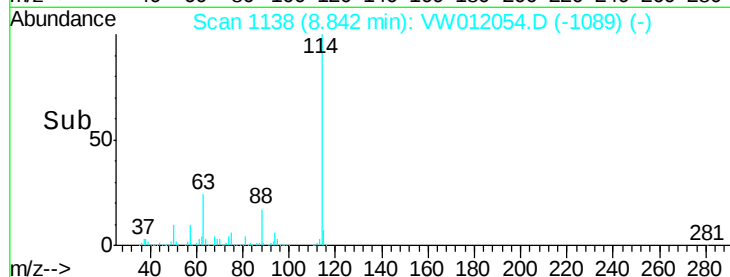
50000

0

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 53.768 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

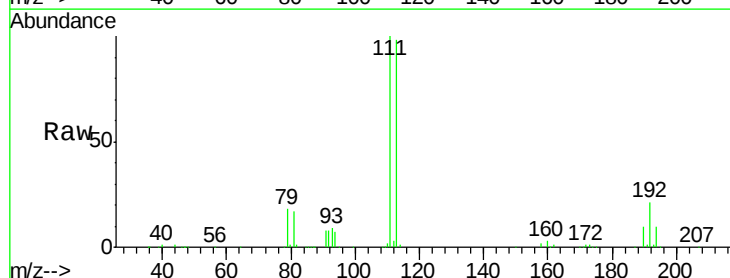
Tgt Ion:113 Resp: 140444

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

192 20.4 16.1 24.1



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

80000

60000

40000

20000

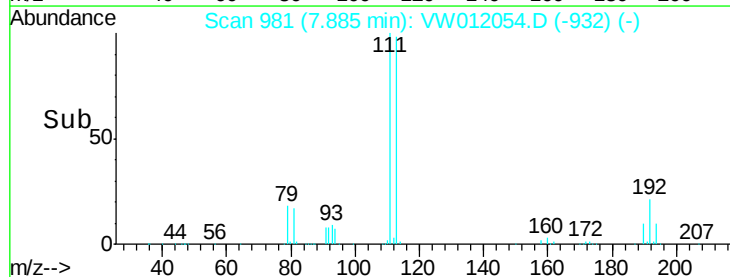
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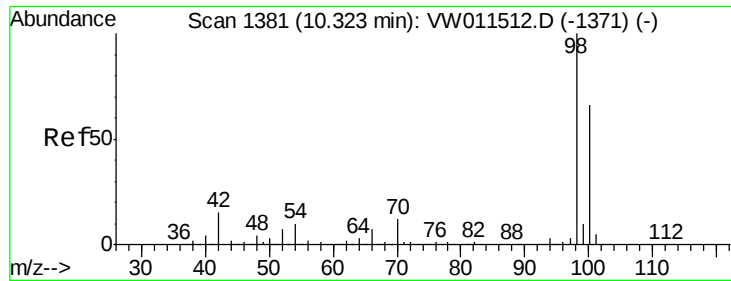
7.80

7.90

8.00

Time-->

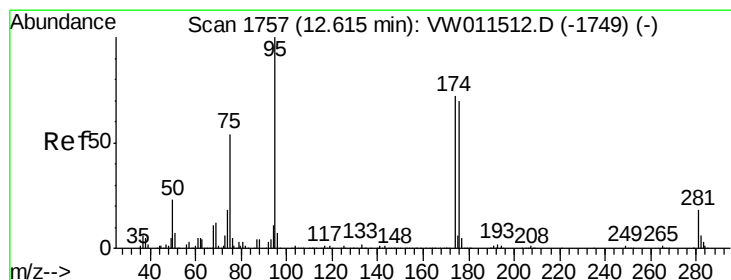
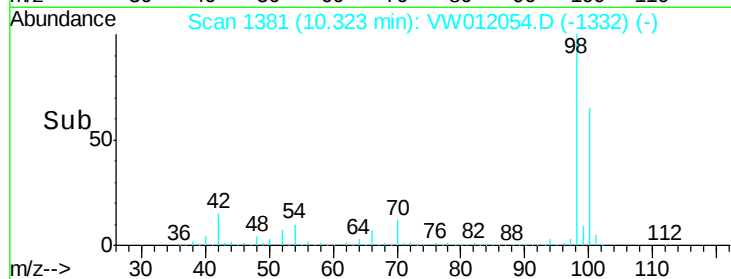
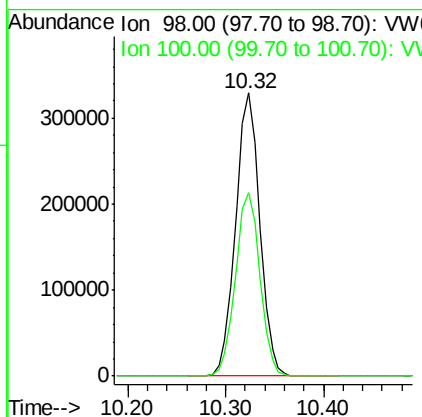
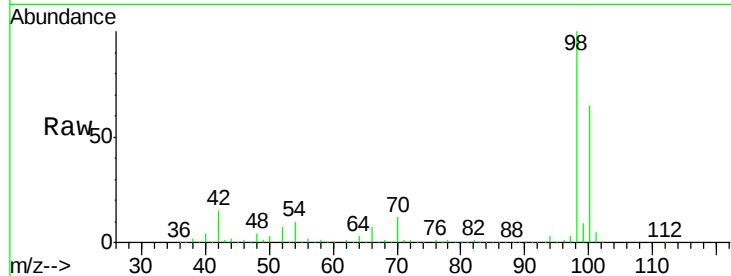




#50
Toluene-d8
Concen: 53.014 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

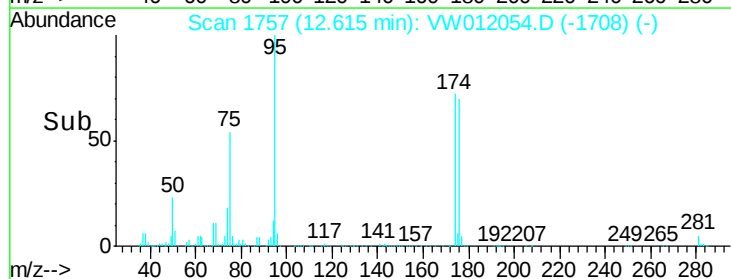
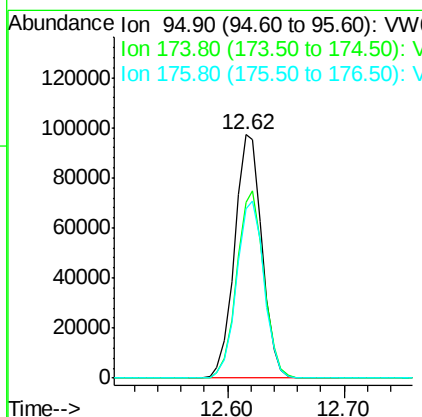
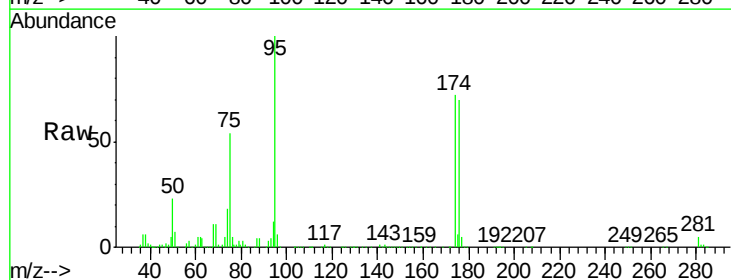
Instrument :
MSVOA_W
ClientSampleId :
T4-B2-(0)

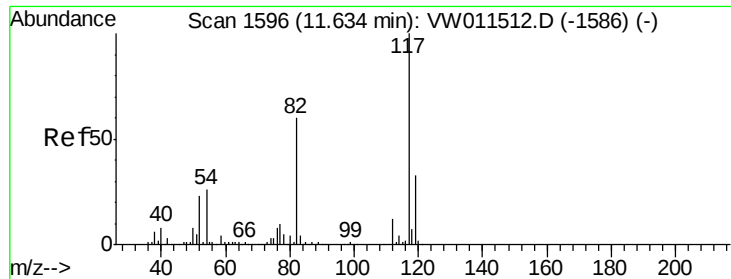
Tot Ion: 98 Resp: 566949
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 41.753 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

Tgt Ion: 95 Resp: 159195
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.2
176 73.1 0.0 144.4

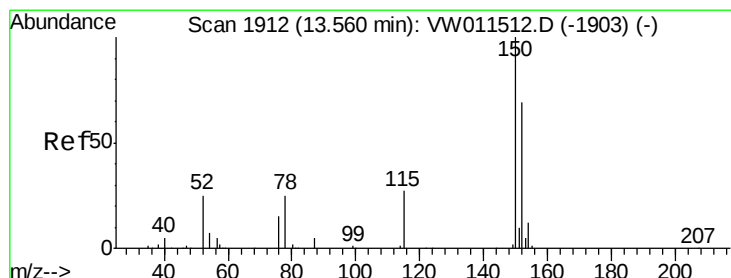
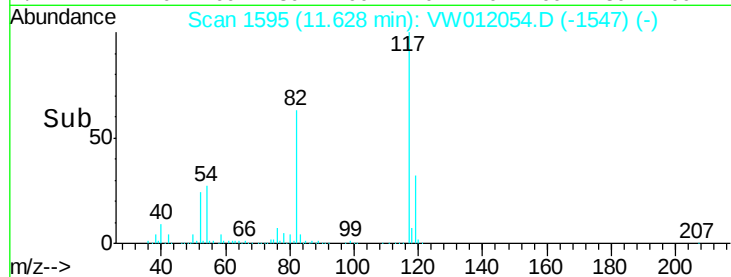
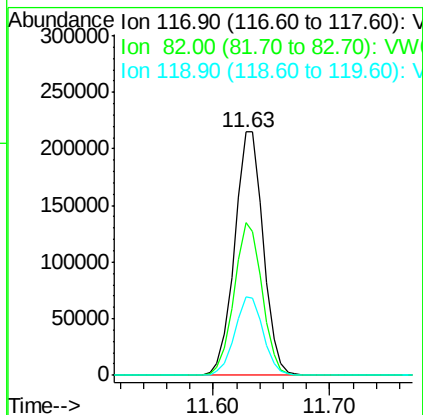
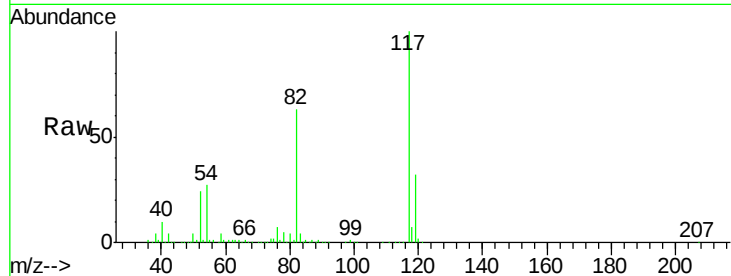




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

Instrument :
MSVOA_W
ClientSampleId :
T4-B2-(0)

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	47.9	71.9
119	32.3	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: VW012054.D
Acq: 21 Aug 2019 02:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.5	91.5
150	155.5	0.0	352.6

