

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082119\
 Data File : VW012088.D
 Acq On : 21 Aug 2019 23:19
 Operator : SY/VA
 Sample : K4403-09
 Misc : 6.35G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H4-(2.5)

Quant Time: Aug 22 07:07:22 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

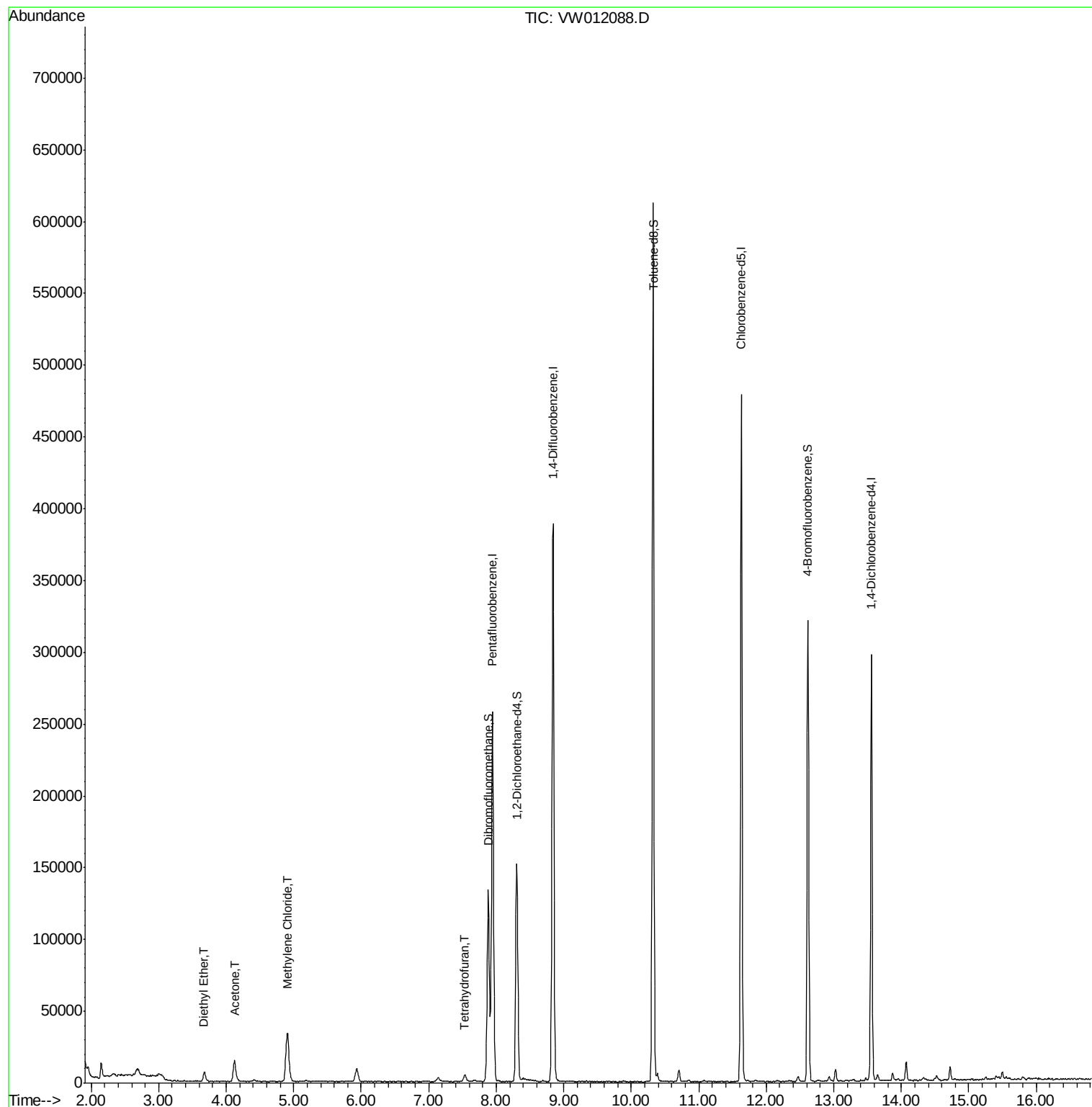
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	121039	56.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.36%	
35) Dibromofluoromethane	7.88	113	95770	55.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.26%	
50) Toluene-d8	10.32	98	380455	53.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	103991	41.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.02%	
Target Compounds						
8) Diethyl Ether	3.68	74	3473	3.140	ug/l	96
16) Acetone	4.12	43	27846	40.633	ug/l	96
20) Methylene Chloride	4.91	84	24044	10.173	ug/l	97
29) Tetrahydrofuran	7.54	42	4130	8.057	ug/l	96

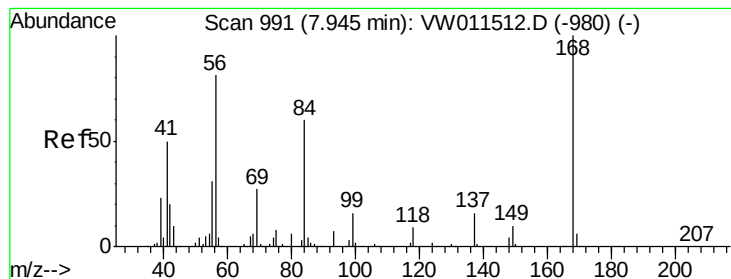
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082119\
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Quant Title : SW846 8260
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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: VW012088.D

Acq: 21 Aug 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

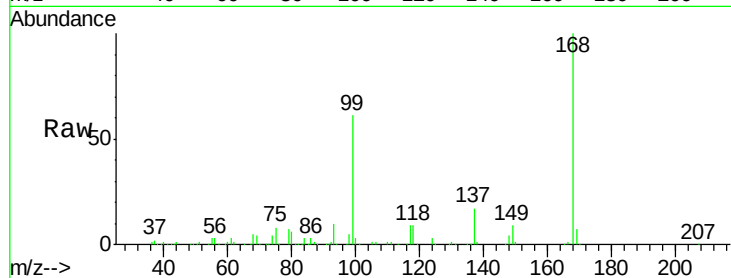
T1-H4-(2.5)

Tot Ion:168 Resp: 187618

Ion Ratio Lower Upper

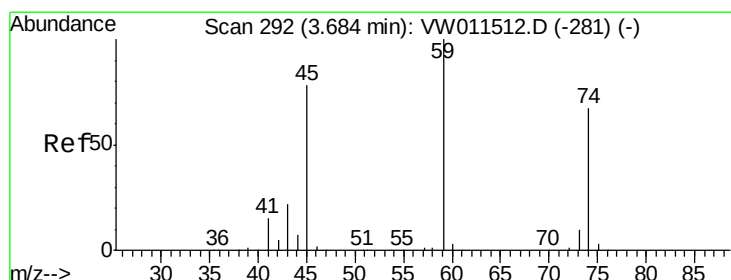
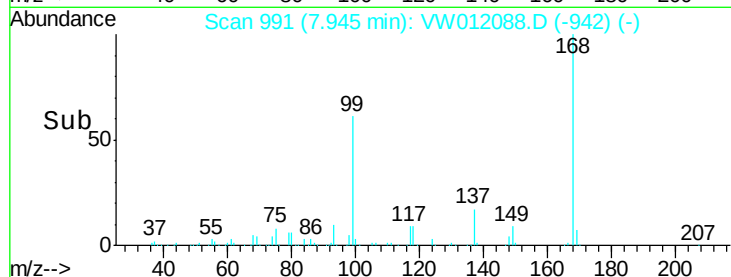
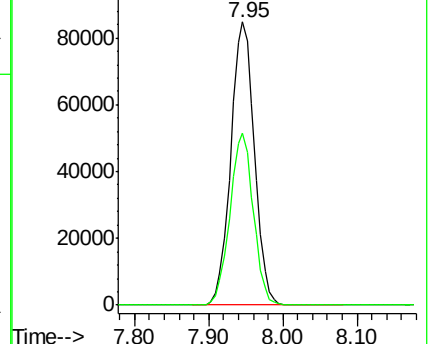
168 100

99 60.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.140 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012088.D

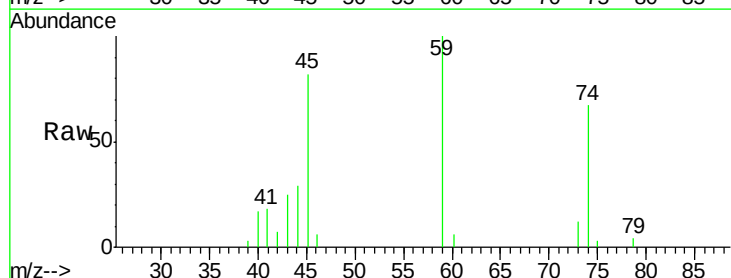
Acq: 21 Aug 2019 23:19

Tgt Ion: 74 Resp: 3473

Ion Ratio Lower Upper

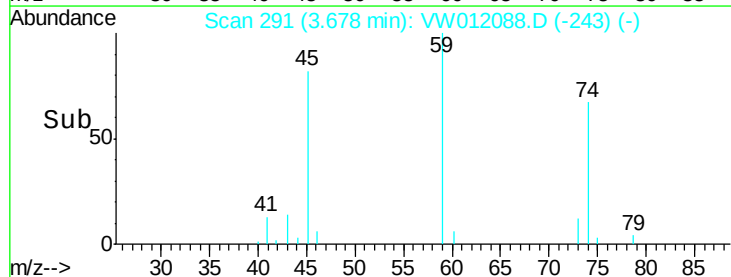
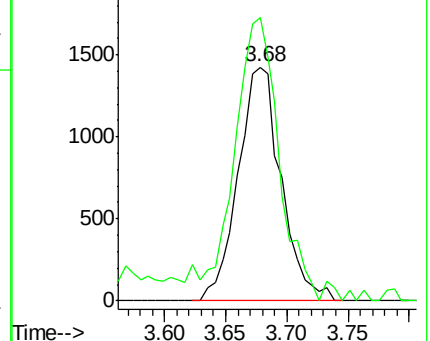
74 100

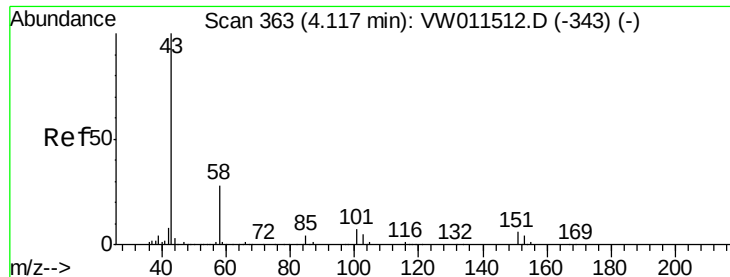
45 124.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 40.633 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

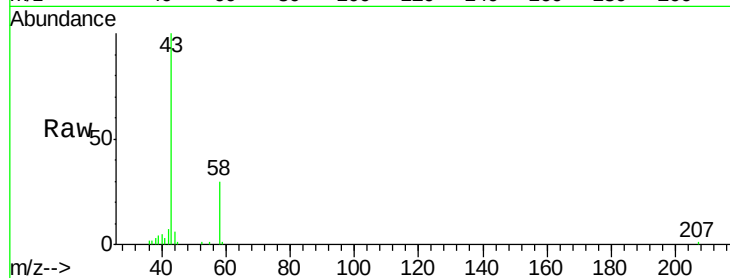
T1-H4-(2.5)

Tot Ion: 43 Resp: 27846

Ion Ratio Lower Upper

43 100

58 30.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

8000

6000

4000

2000

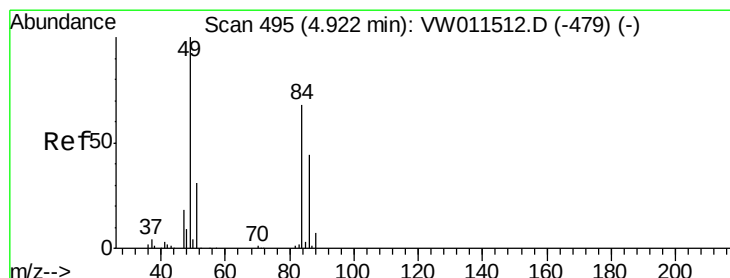
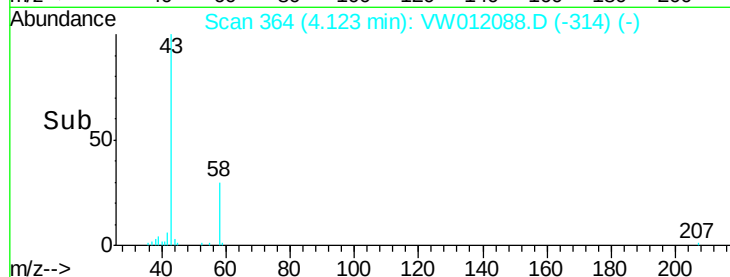
0

Time-->

4.00

4.10

4.20



#20

Methylene Chloride

Concen: 10.173 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

Tgt Ion: 84 Resp: 24044

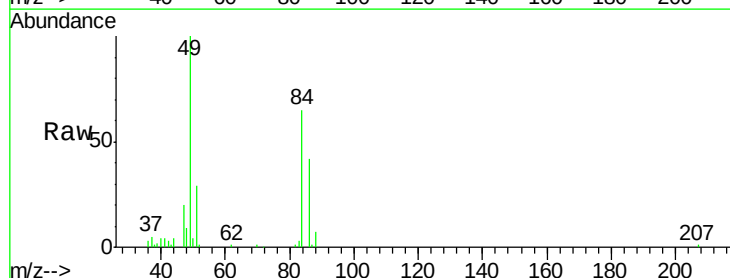
Ion Ratio Lower Upper

84 100

49 153.5 117.8 176.6

51 44.5 37.0 55.4

86 65.1 51.8 77.8



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

15000

10000

5000

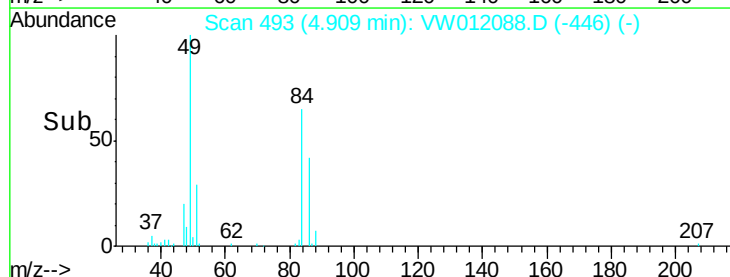
0

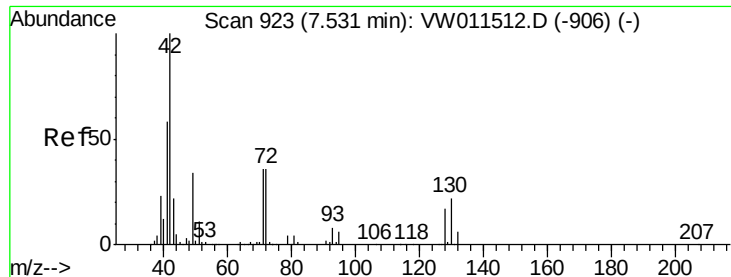
Time-->

4.80

4.90

5.00

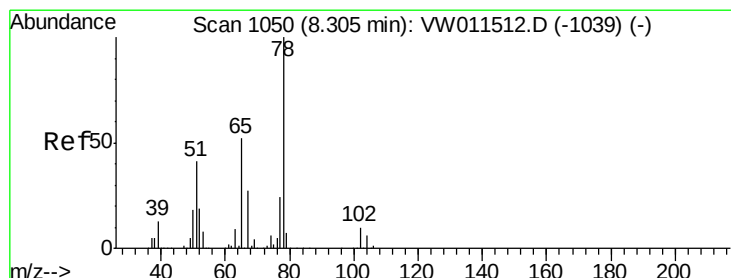
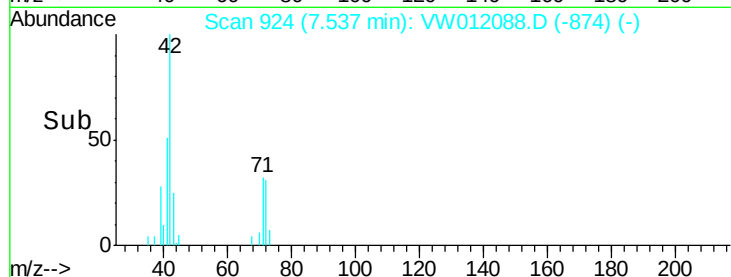
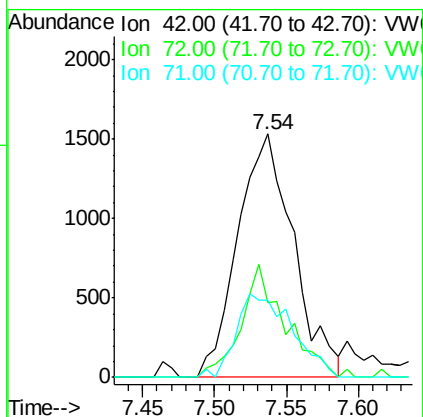
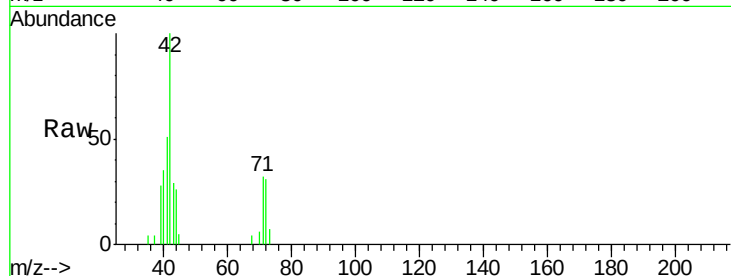




#29
Tetrahydrofuran
Concen: 8.057 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

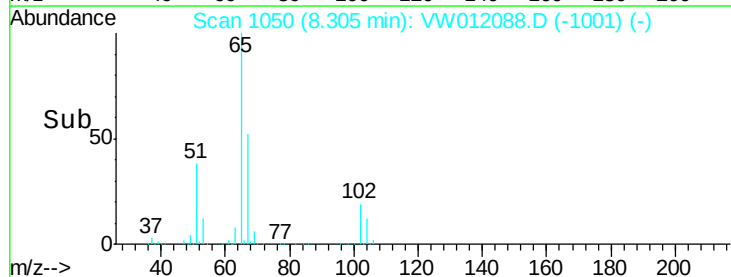
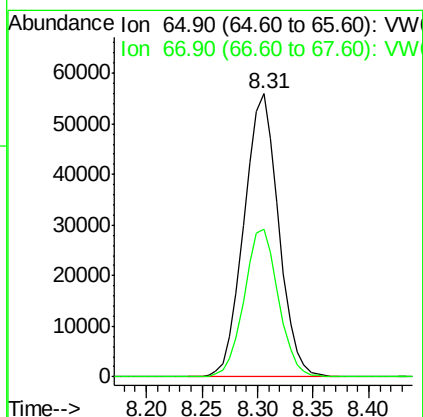
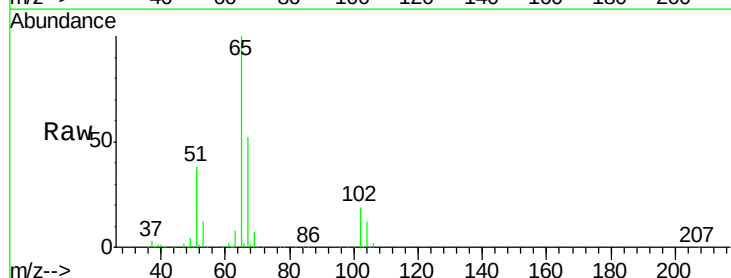
Instrument :
MSVOA_W
ClientSampled :
T1-H4(2.5)

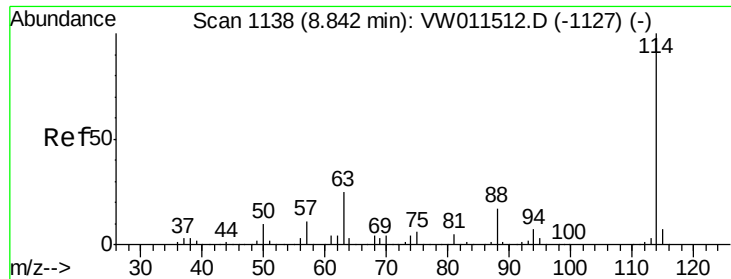
Tot Ion: 42 Resp: 4130
Ion Ratio Lower Upper
42 100
72 36.7 27.1 40.7
71 34.3 26.2 39.4



#33
1,2-Dichloroethane-d4
Concen: 56.183 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

Tgt Ion: 65 Resp: 121039
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.2

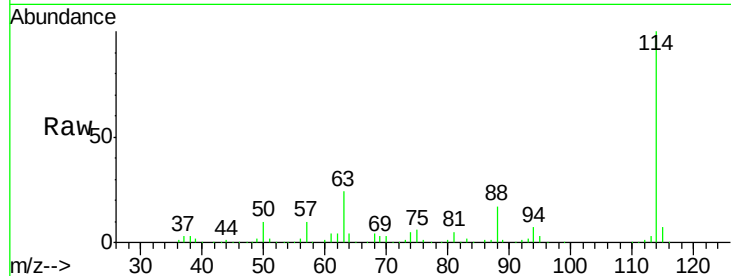




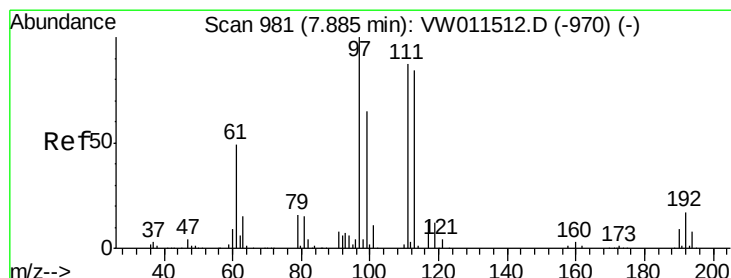
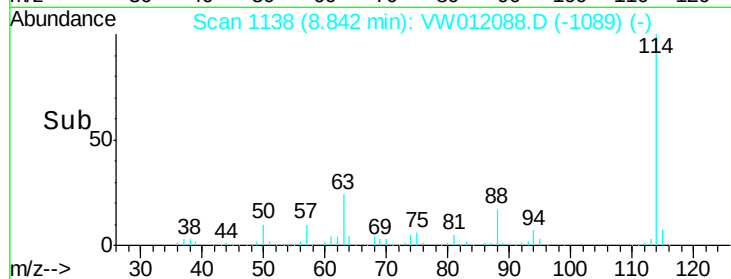
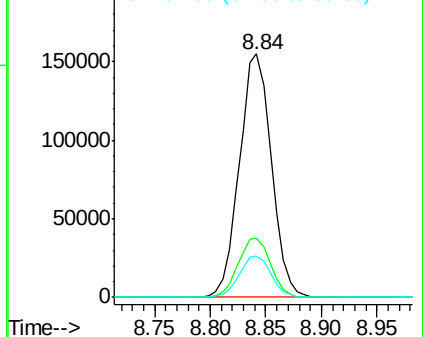
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012088.D
 Acq: 21 Aug 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H4-(2.5)

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	17.0	0.0	33.8

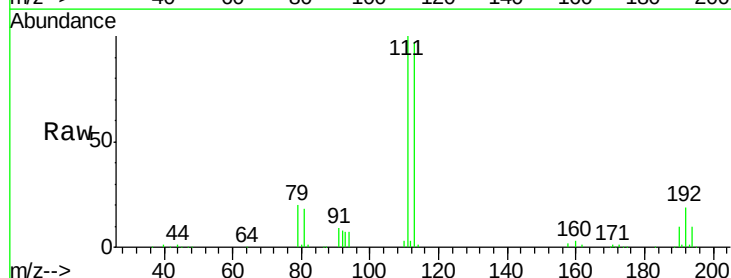


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

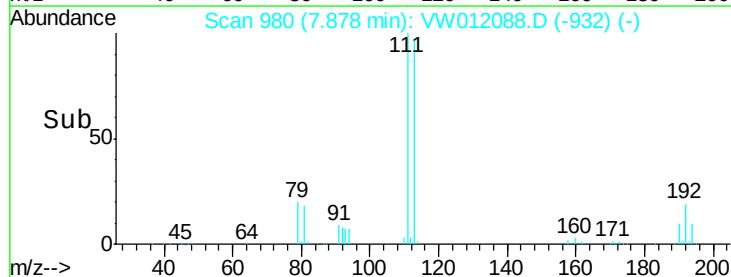
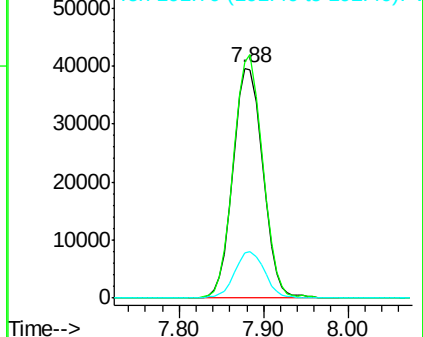


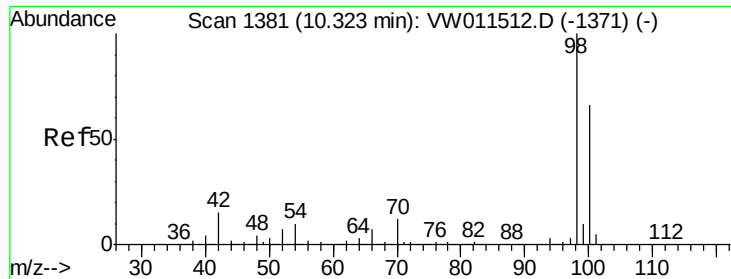
#35
 Dibromofluoromethane
 Concen: 55.135 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012088.D
 Acq: 21 Aug 2019 23:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.1	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





#50

Toluene-d8

Concen: 53.496 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

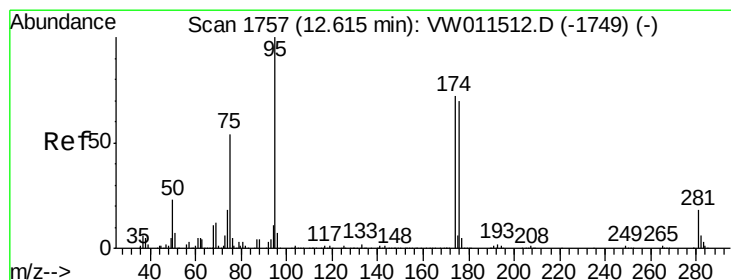
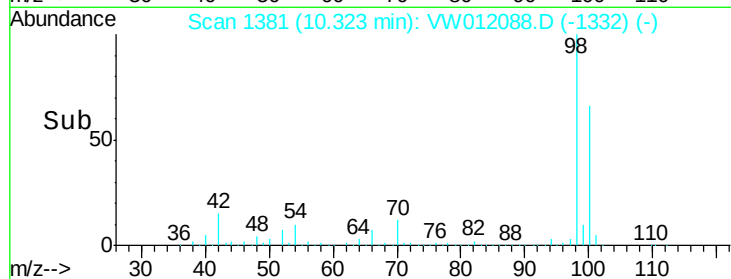
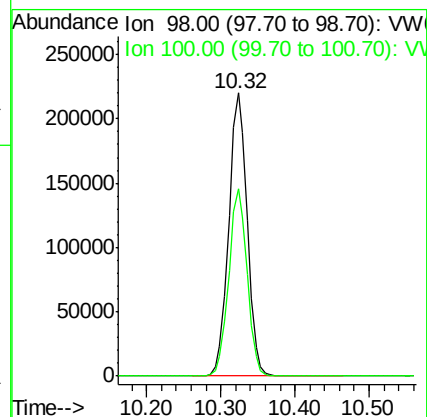
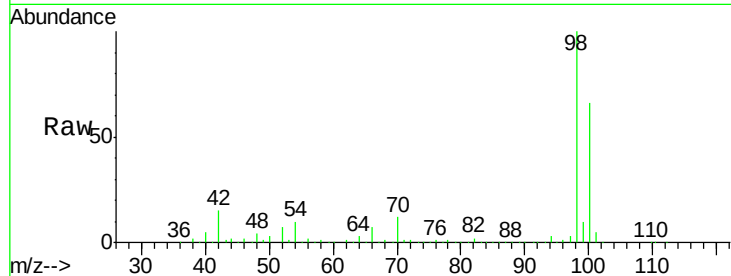
T1-H4-(2.5)

Tot Ion: 98 Resp: 380455

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 41.014 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

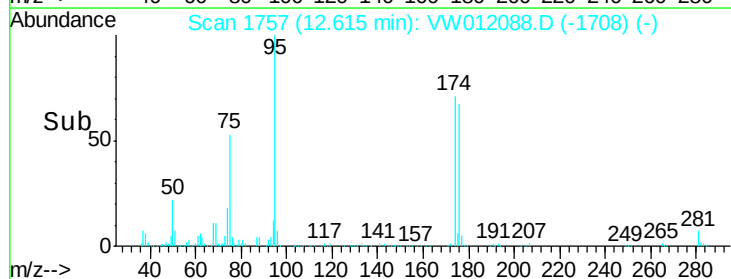
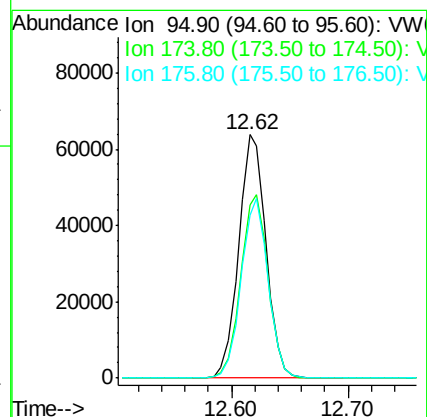
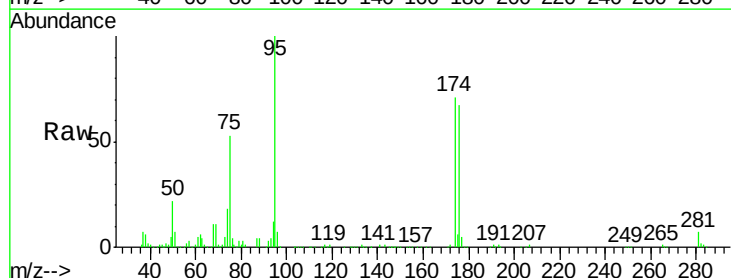
Tgt Ion: 95 Resp: 103991

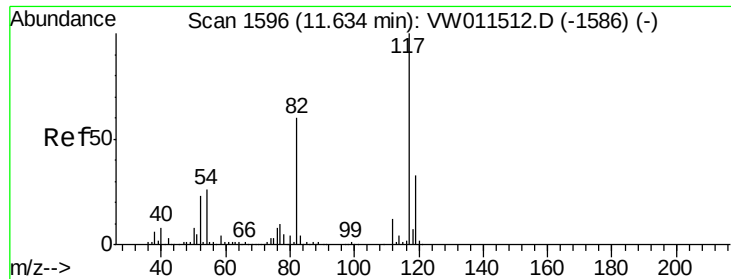
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 72.8 0.0 144.4

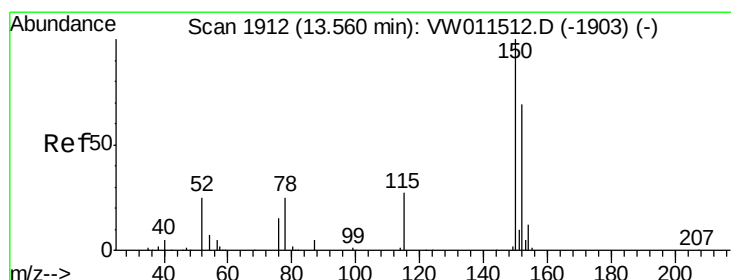
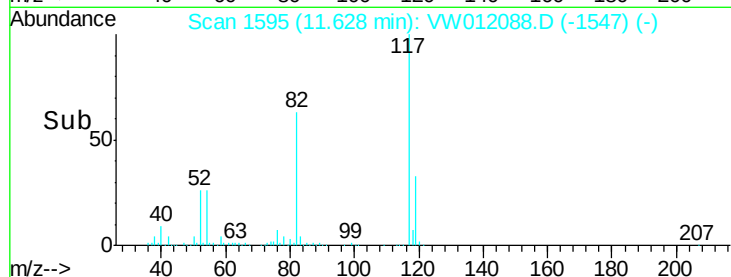
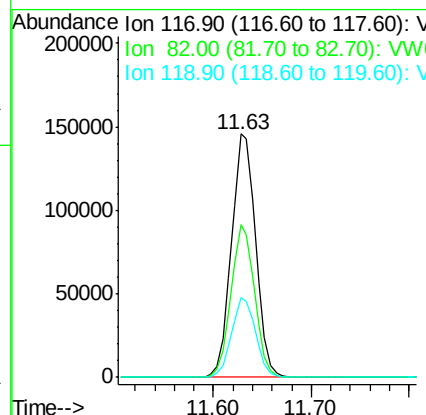
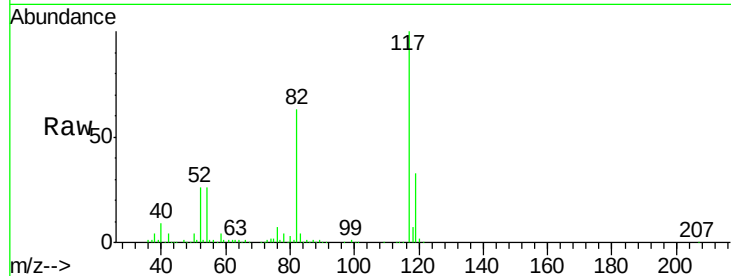




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(2.5)

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	47.9	71.9
119	32.9	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: VW012088.D
Acq: 21 Aug 2019 23:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.5	91.5
150	156.3	0.0	352.6

