

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
 Data File : VW008017.D
 Acq On : 03 Jan 2019 13:37
 Operator : SY/AP
 Sample : K1019-05
 Misc : 6.08G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A-GLICAL-PILE

Quant Time: Jan 04 06:48:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	98876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	62758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17506	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	38171	58.74	ug/l	0.00
Spiked Amount			Recovery	=	117.48%	
35) Dibromofluoromethane	7.88	113	32550	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.32	98	106524	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.62	95	24071	26.84	ug/l	0.00
Spiked Amount			Recovery	=	53.68%	

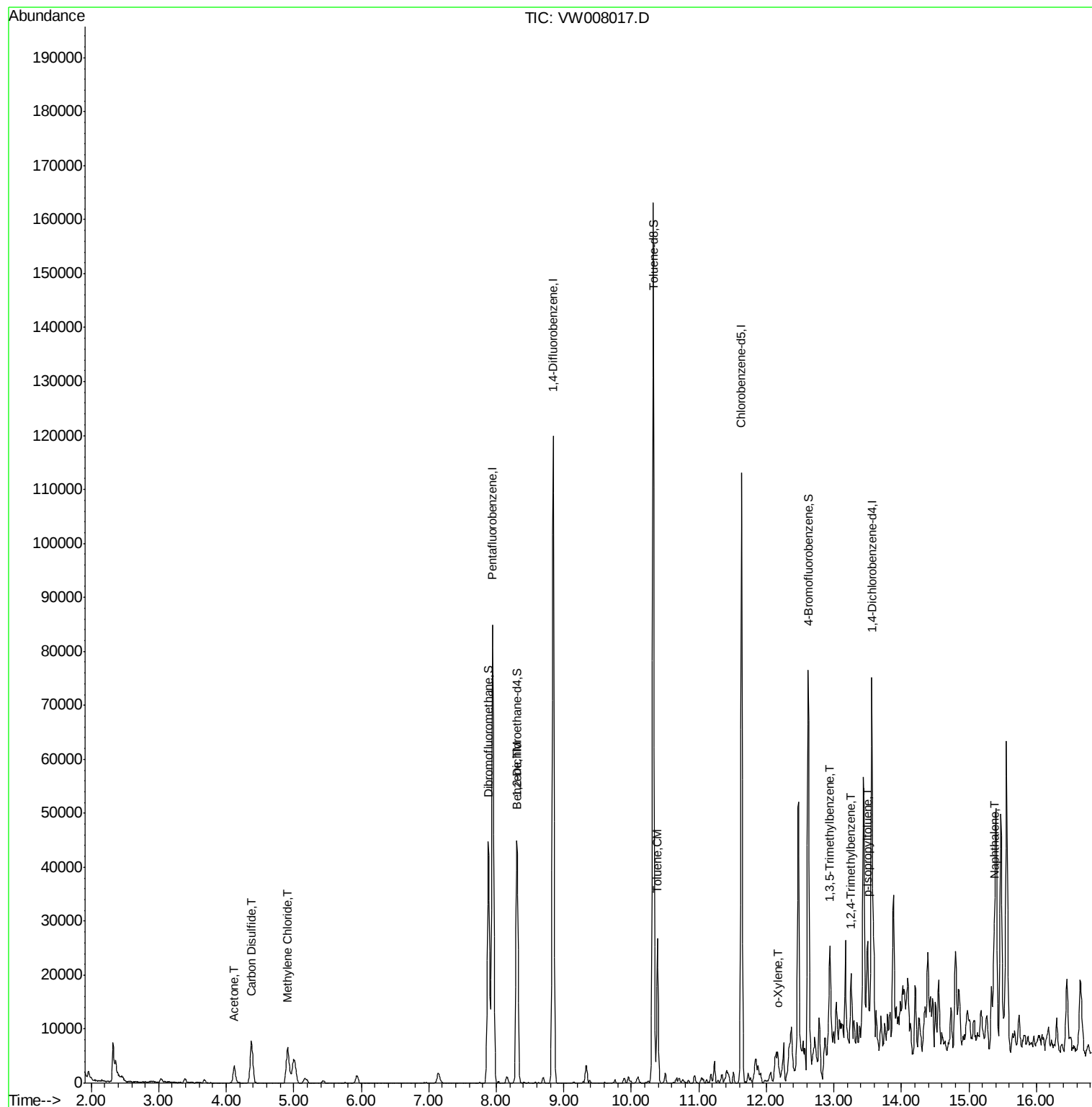
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	5490	54.575	ug/l	96
17) Carbon Disulfide	4.37	76	16694	9.265	ug/l	97
20) Methylene Chloride	4.92	84	5096	6.129	ug/l	97
40) Benzene	8.32	78	2638	1.025	ug/l	95
52) Toluene	10.39	92	11685	6.879	ug/l	95
69) o-Xylene	12.17	106	1018	1.189	ug/l	87
80) 1,3,5-Trimethylbenzene	12.95	105	3240	2.704	ug/l	88
84) 1,2,4-Trimethylbenzene	13.26	105	7826	6.448	ug/l	100
86) p-Isopropyltoluene	13.50	119	7941	6.105	ug/l	96
95) Naphthalene	15.38	128	16972	26.745	ug/l	96

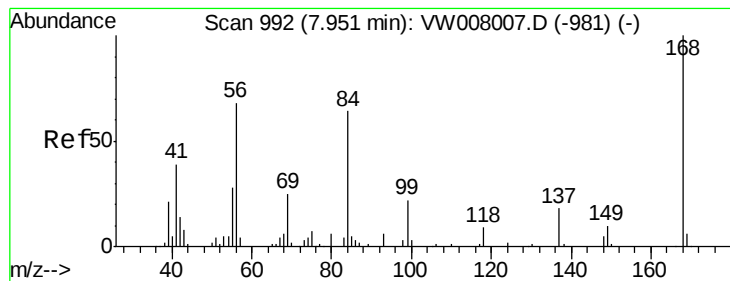
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

Instrument :

MSVOA_W

ClientSampleId :

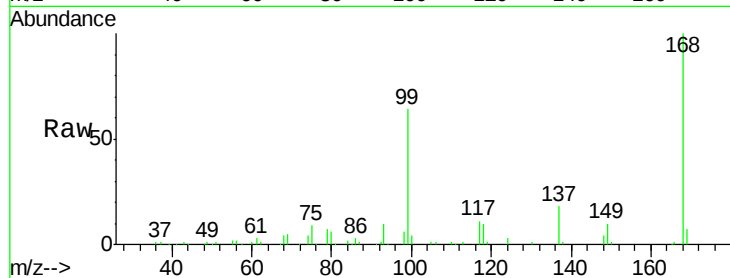
A-GLICAL-PILE

Tot Ion:168 Resp: 58754

Ion Ratio Lower Upper

168 100

99 64.4 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

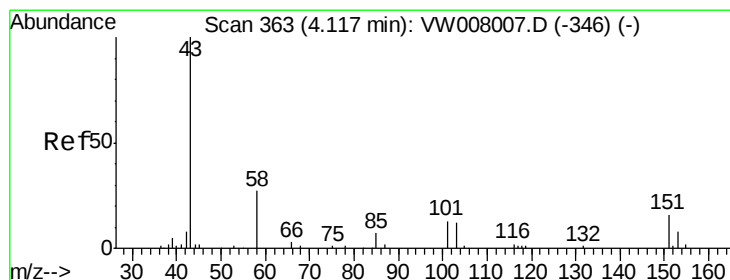
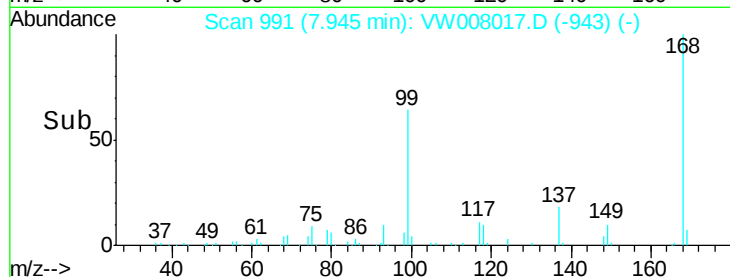
15000

10000

5000

0

Time-->



#16

Acetone

Concen: 54.575 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008017.D

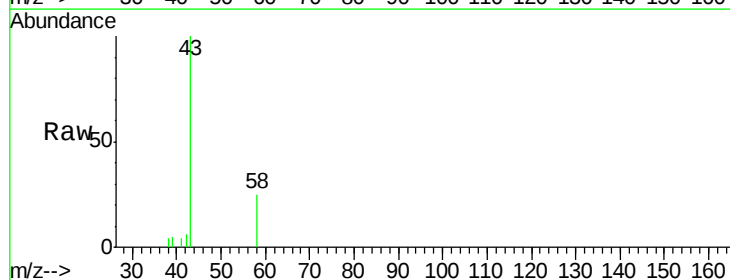
Acq: 03 Jan 2019 13:37

Tgt Ion: 43 Resp: 5490

Ion Ratio Lower Upper

43 100

58 25.2 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

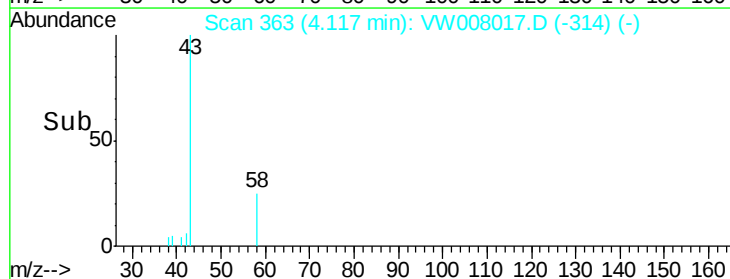
1500

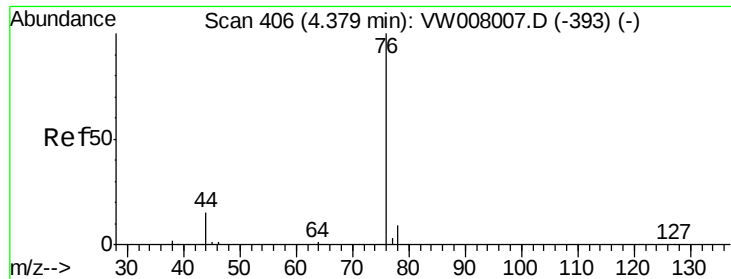
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: 9.265 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

Instrument :

MSVOA_W

ClientSampleId :

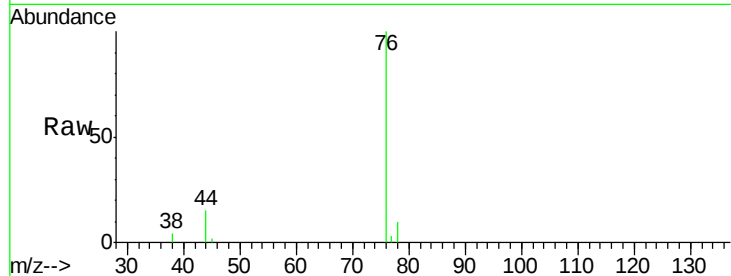
A-GLICAL-PILE

Tot Ion: 76 Resp: 16694

Ion Ratio Lower Upper

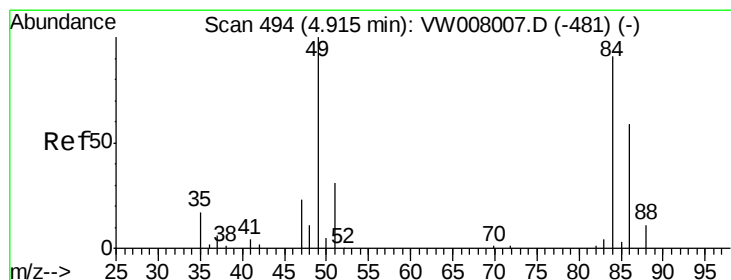
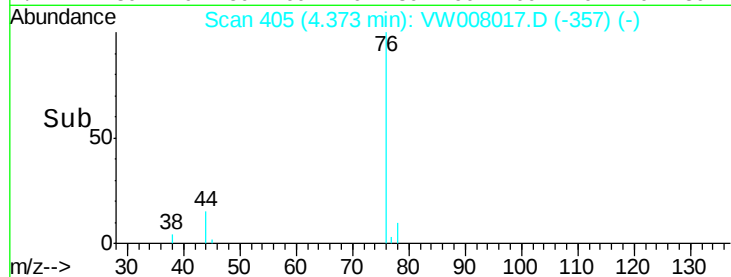
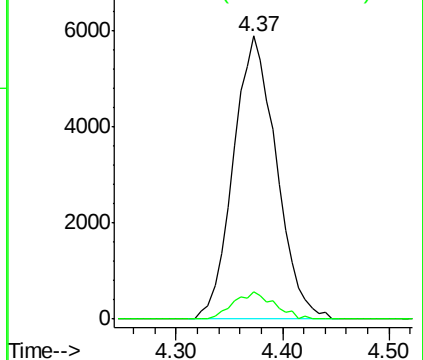
76 100

78 9.7 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 6.129 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

Tgt Ion: 84 Resp: 5096

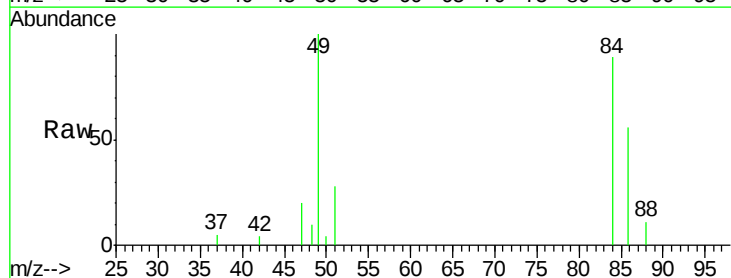
Ion Ratio Lower Upper

84 100

49 112.6 87.7 131.5

51 31.2 27.3 40.9

86 62.8 51.4 77.0

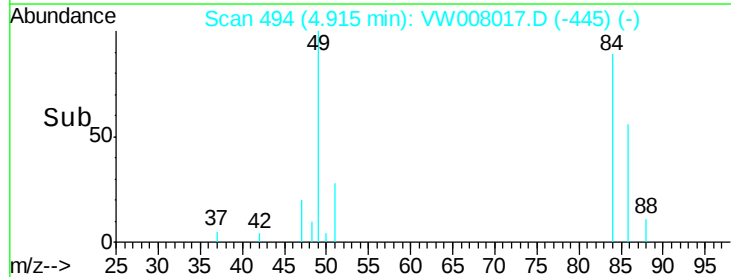
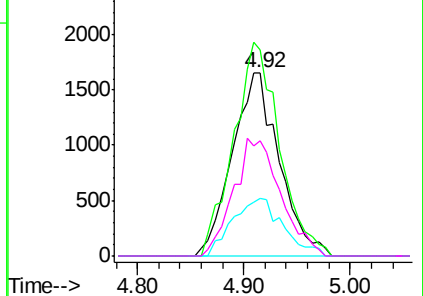


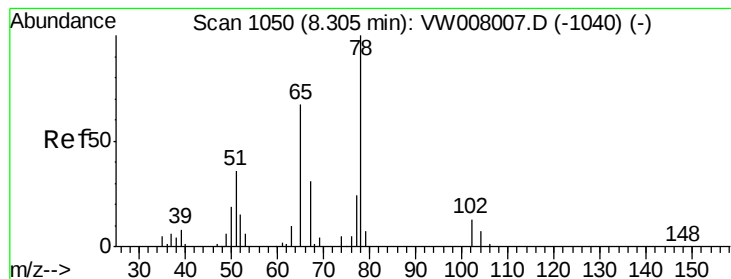
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#33

1,2-Dichloroethane-d4

Concen: 58.738 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

Instrument :

MSVOA_W

ClientSampleId :

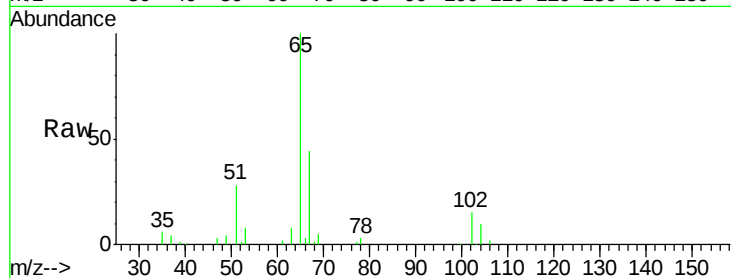
A-GLICAL-PILE

Tot Ion: 65 Resp: 38171

Ion Ratio Lower Upper

65 100

67 47.7 0.0 94.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

20000

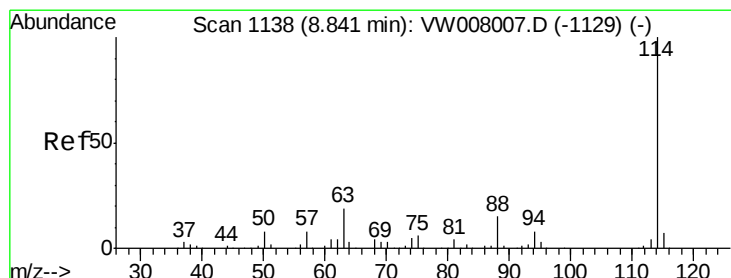
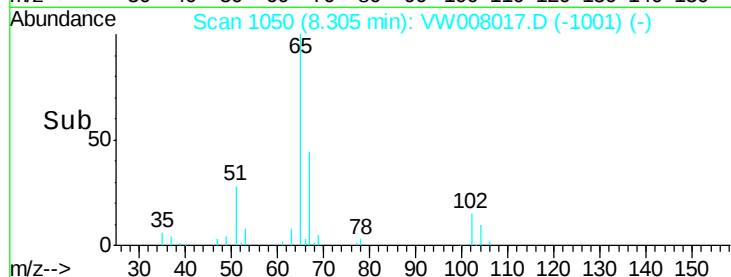
15000

10000

5000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

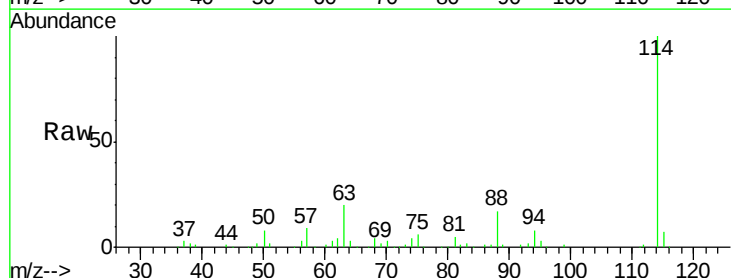
Tgt Ion: 114 Resp: 98876

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.8

88 16.9 0.0 31.0



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

8.84

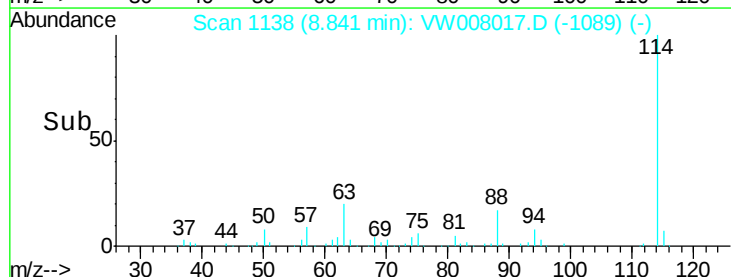
60000

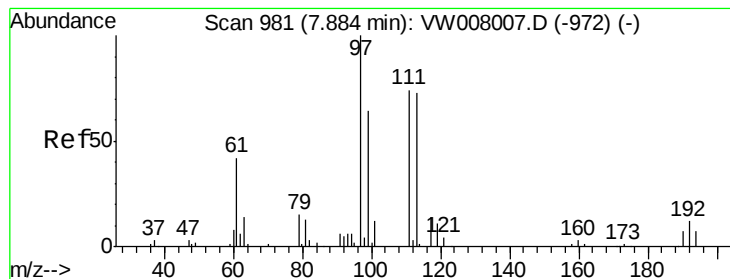
40000

20000

0

Time--> 8.80 8.90





#35

Dibromofluoromethane

Concen: 52.220 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

Instrument :

MSVOA_W

ClientSampleId :

A-GLICAL-PILE

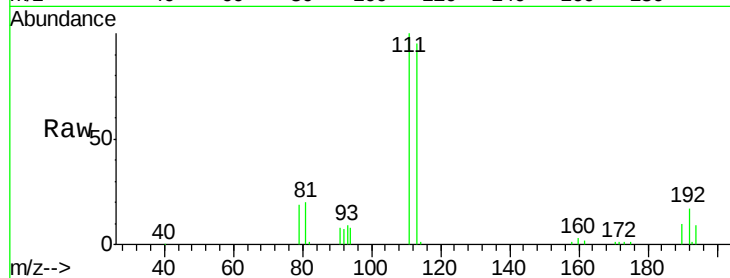
Tot Ion:113 Resp: 32550

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

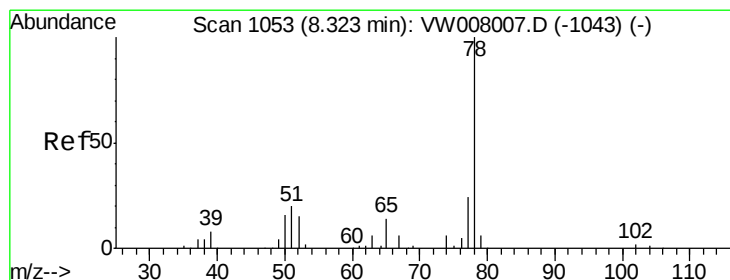
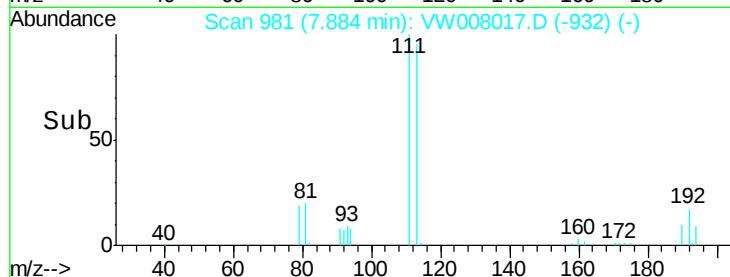
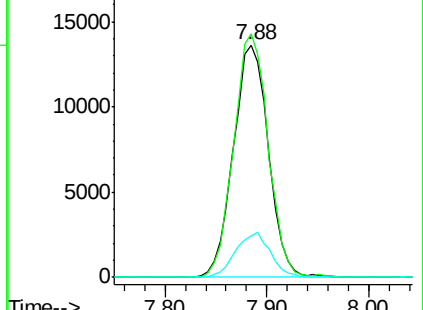
192 18.9 14.8 22.2



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



#40

Benzene

Concen: 1.025 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW008017.D

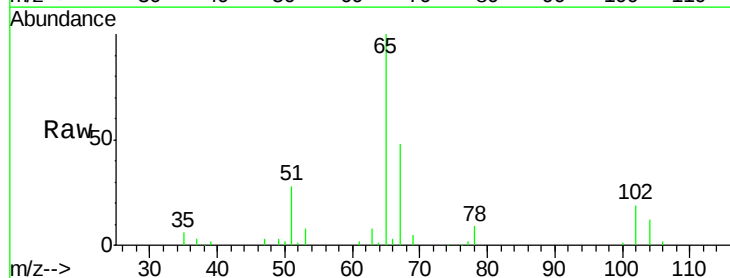
Acq: 03 Jan 2019 13:37

Tgt Ion: 78 Resp: 2638

Ion Ratio Lower Upper

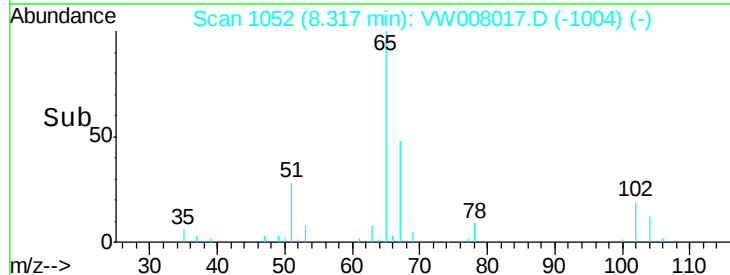
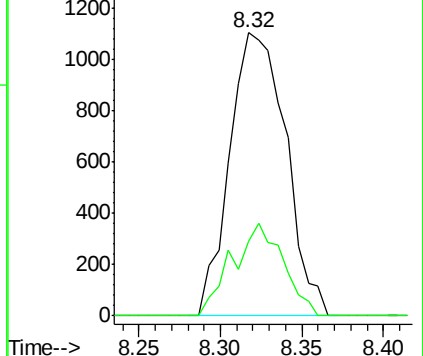
78 100

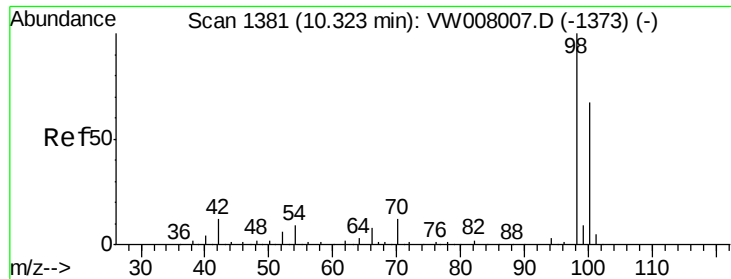
77 26.3 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

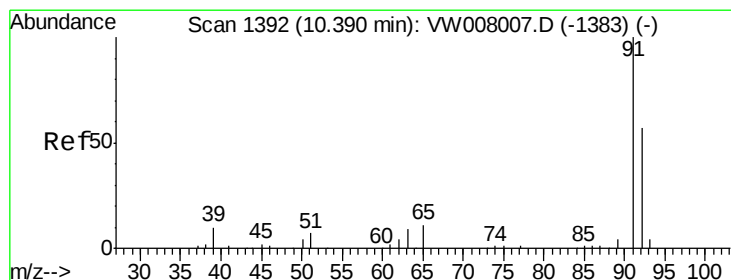
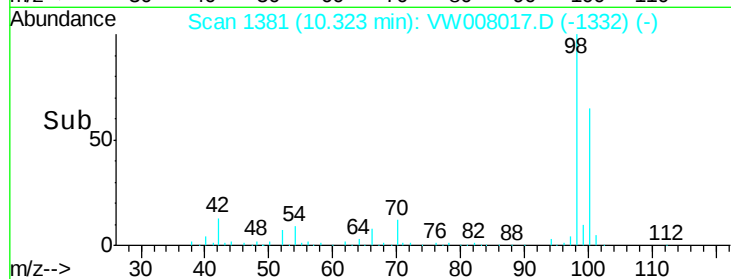
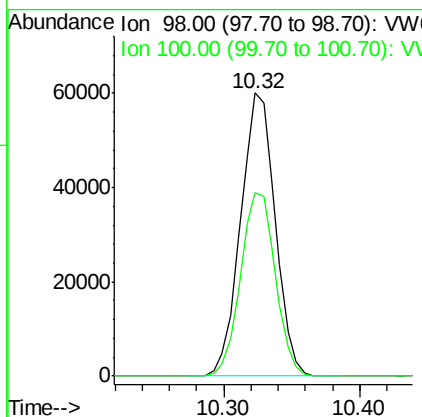
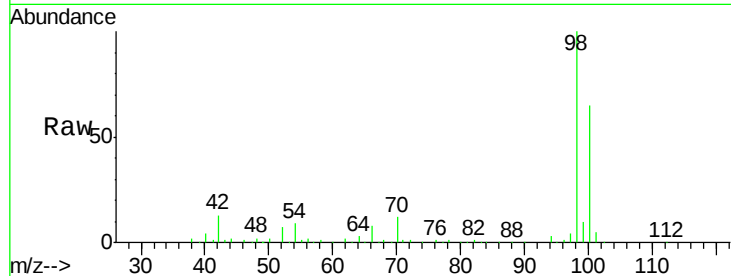




#50
Toluene-d8
Concen: 45.558 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008017.D
Acq: 03 Jan 2019 13:37

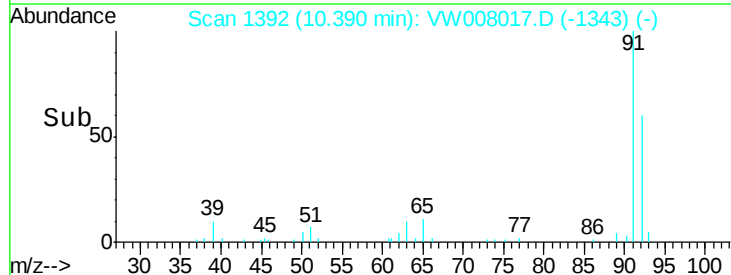
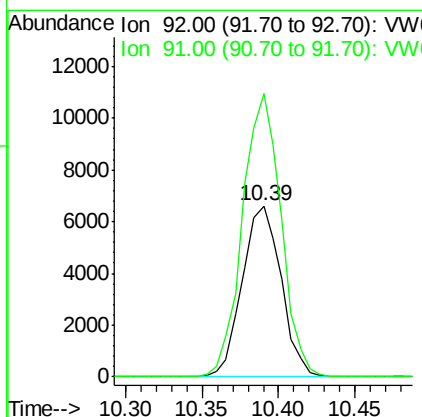
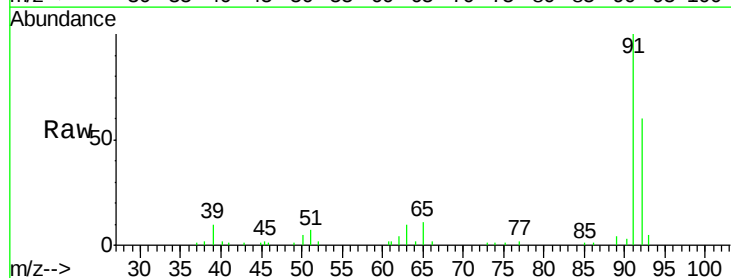
Instrument :
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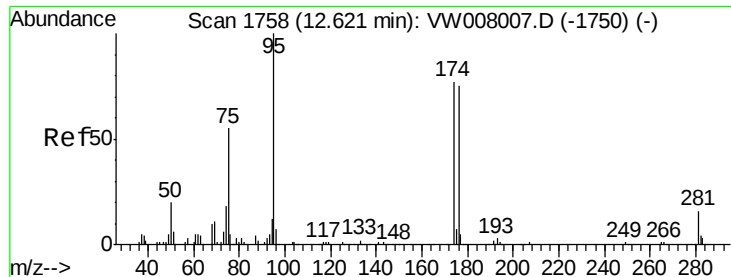
Tot Ion: 98 Resp: 106524
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#52
Toluene
Concen: 6.879 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008017.D
Acq: 03 Jan 2019 13:37

Tgt Ion: 92 Resp: 11685
Ion Ratio Lower Upper
92 100
91 163.9 136.9 205.3





#62

4-Bromofluorobenzene

Concen: 26.843 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

Instrument :

MSVOA_W

ClientSampleId :

A-GLICAL-PILE

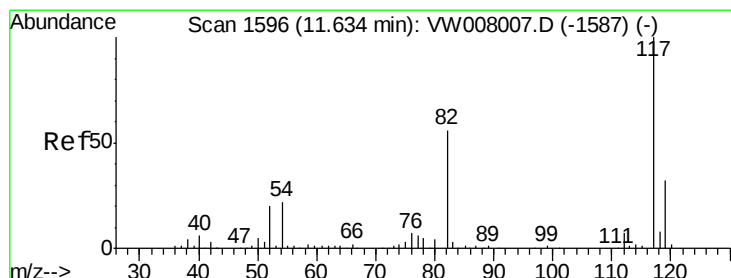
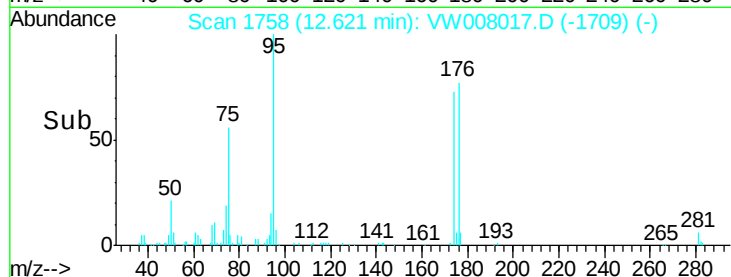
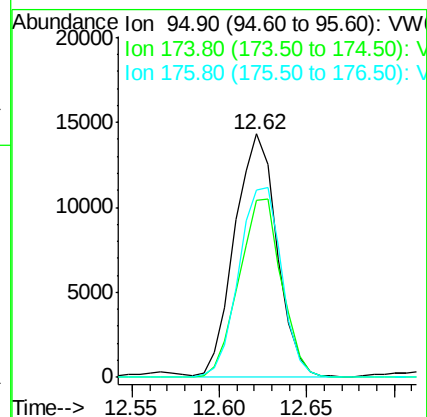
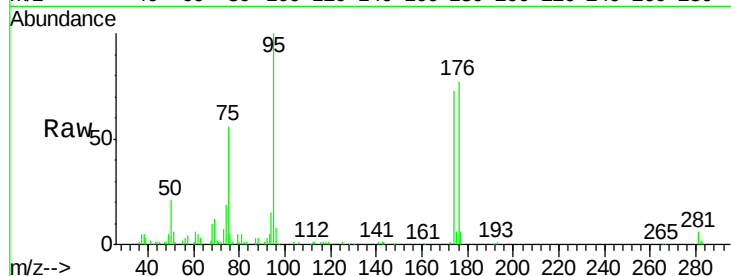
Tot Ion: 95 Resp: 24071

Ion Ratio Lower Upper

95 100

174 73.8 0.0 149.6

176 78.6 0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008017.D

Acq: 03 Jan 2019 13:37

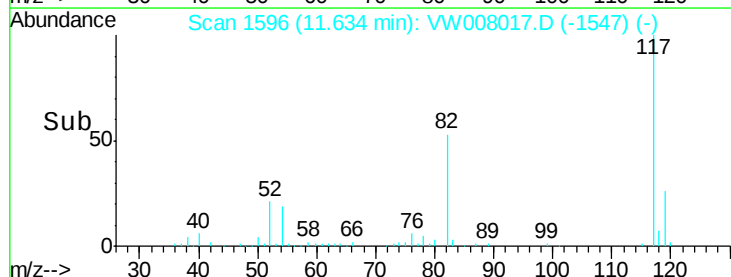
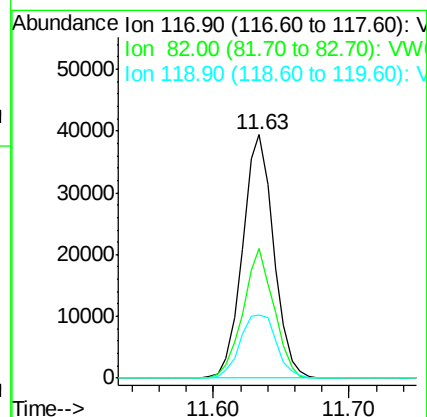
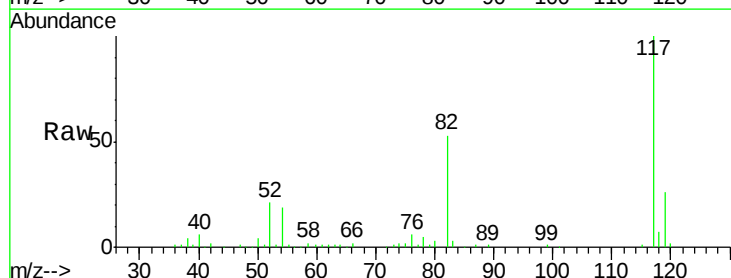
Tgt Ion: 117 Resp: 62758

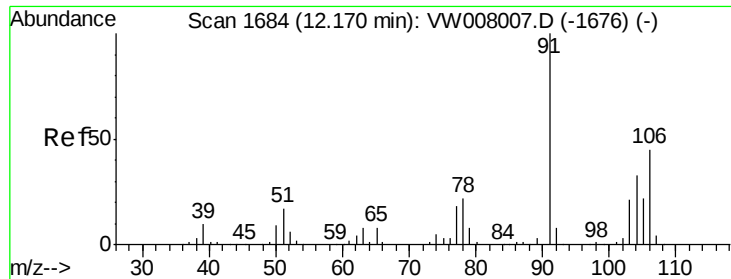
Ion Ratio Lower Upper

117 100

82 53.4 44.8 67.2

119 26.1 25.6 38.4

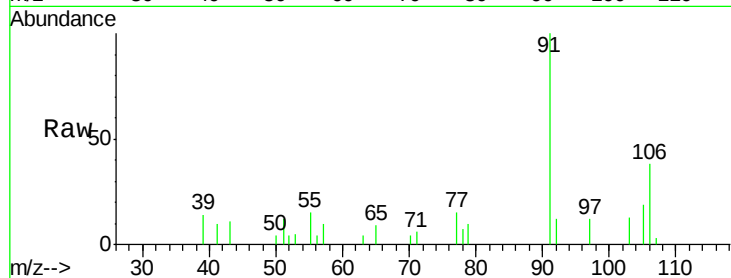




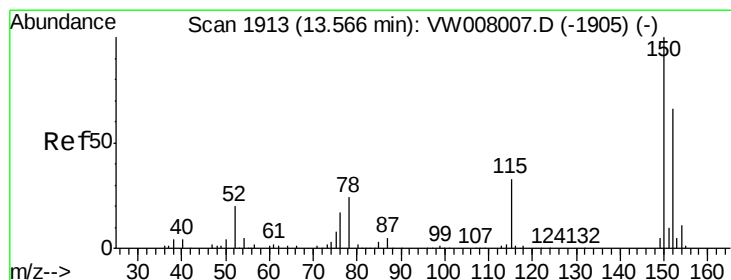
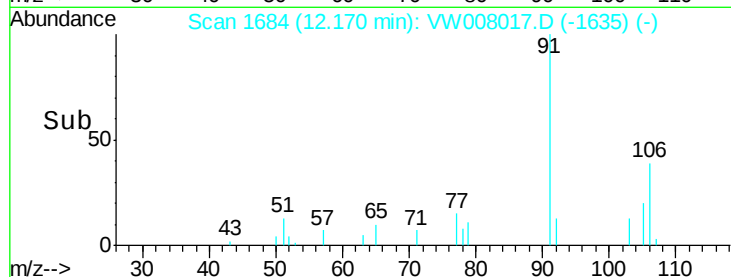
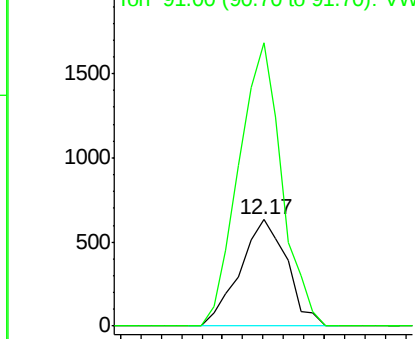
#69
o-Xylene
Concen: 1.189 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008017.D
Acq: 03 Jan 2019 13:37

Instrument :
MSVOA_W
ClientSampleId :
A-GLICAL-PILE

Tot Ion:106 Resp: 1018
Ion Ratio Lower Upper
106 100
91 242.6 110.6 331.6

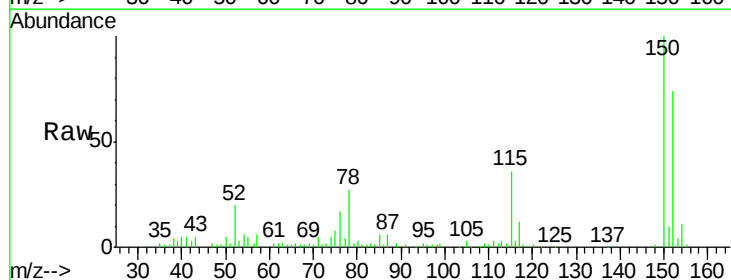


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

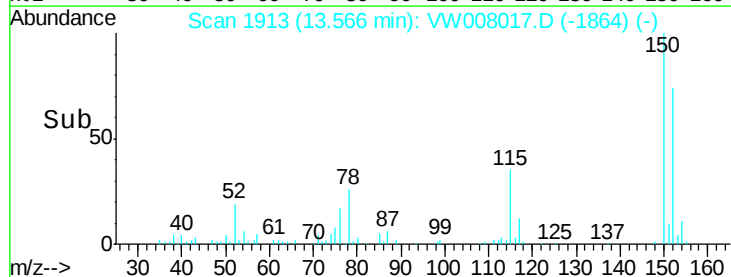
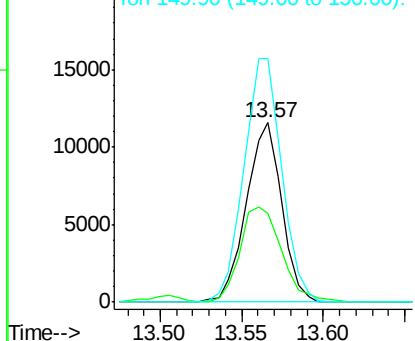


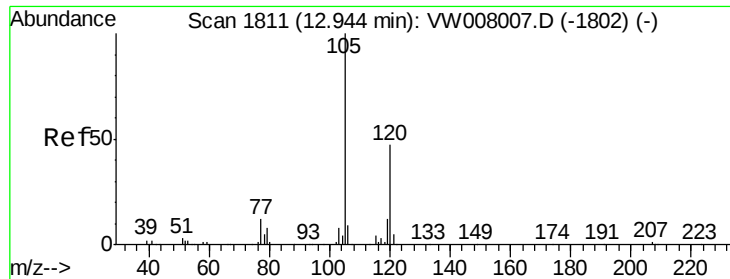
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW008017.D
Acq: 03 Jan 2019 13:37

Tgt Ion:152 Resp: 17506
Ion Ratio Lower Upper
152 100
115 62.7 32.1 96.5
150 145.0 0.0 345.0



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

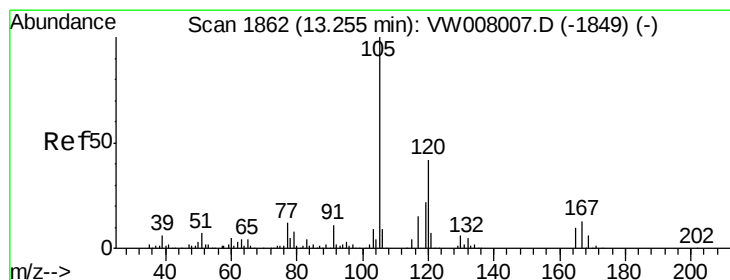
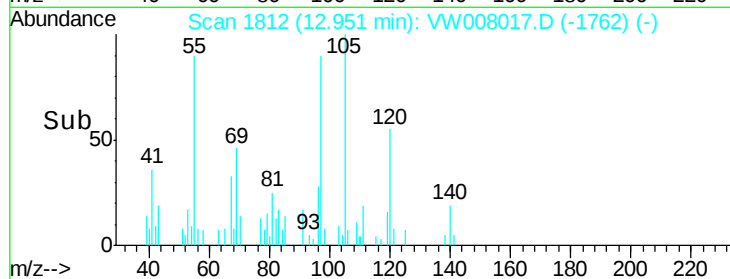
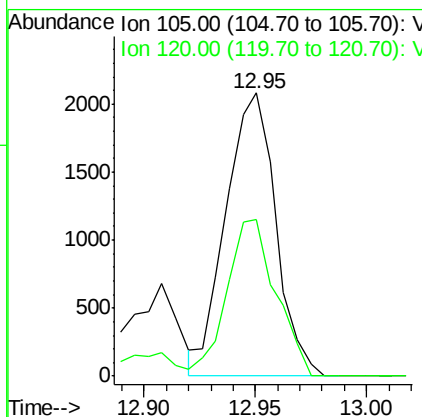
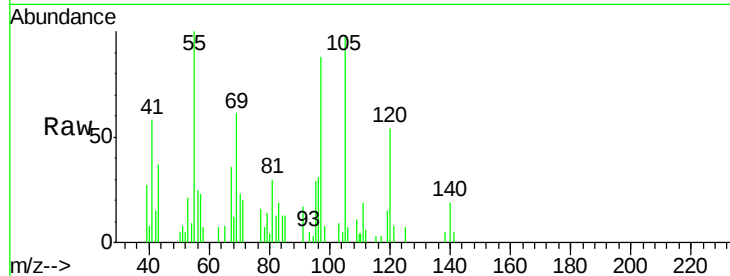




#80
 1,3,5-Trimethylbenzene
 Concen: 2.704 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008017.D
 Acq: 03 Jan 2019 13:37

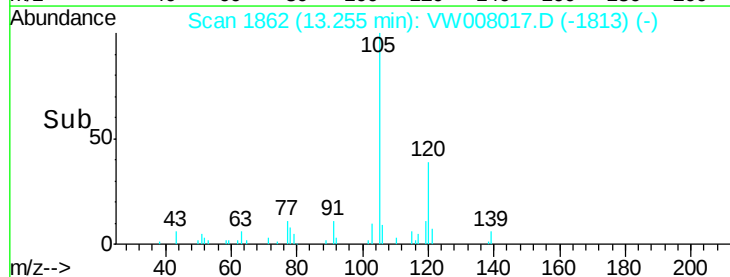
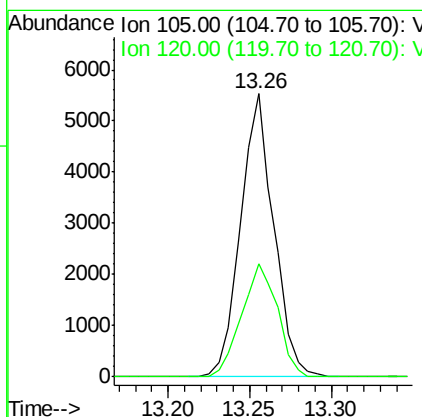
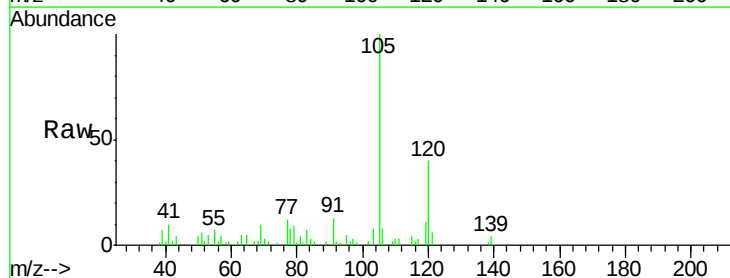
Instrument :
 MSVOA_W
 ClientSampleId :
 A-GLICAL-PILE

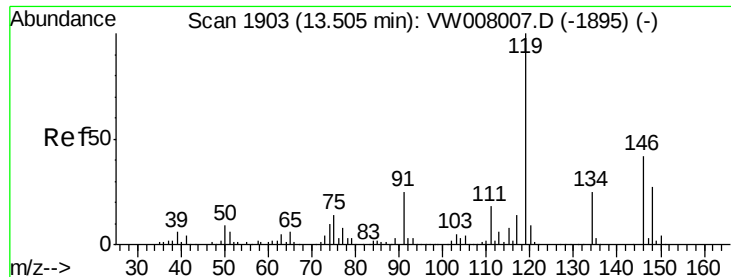
Tot Ion:105 Resp: 3240
 Ion Ratio Lower Upper
 105 100
 120 54.3 23.3 69.9



#84
 1,2,4-Trimethylbenzene
 Concen: 6.448 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008017.D
 Acq: 03 Jan 2019 13:37

Tgt Ion:105 Resp: 7826
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.5 64.5

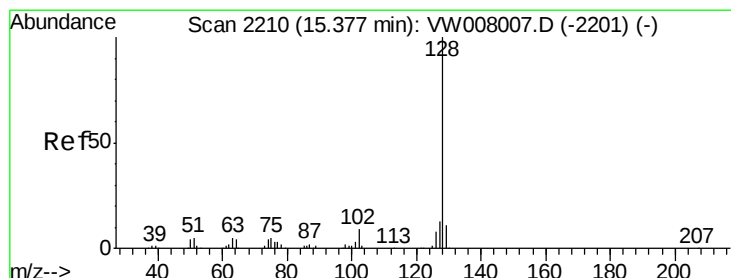
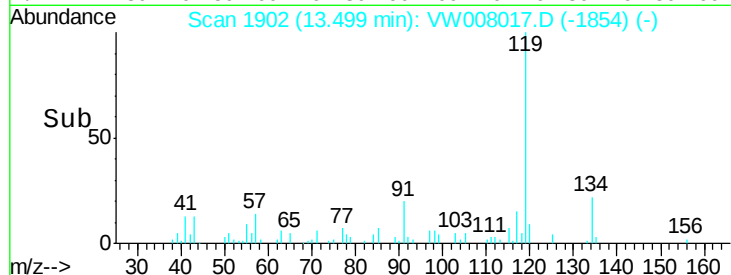
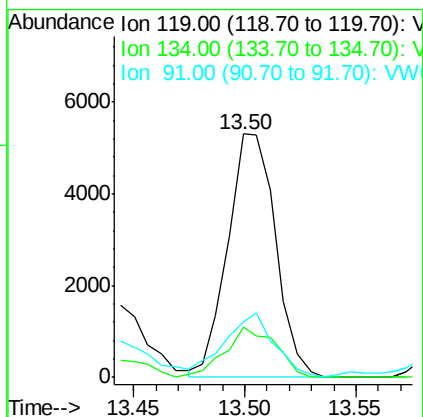
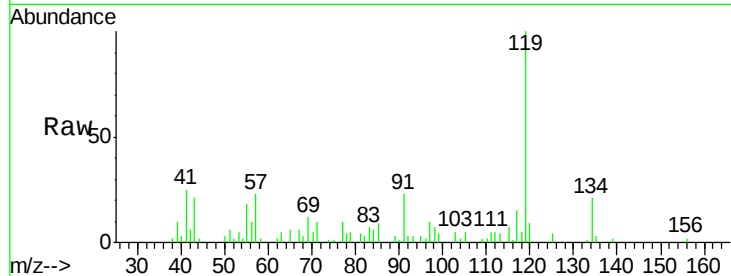




#86
p-Isopropyltoluene
Concen: 6.105 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW008017.D
Acq: 03 Jan 2019 13:37

Instrument :
MSVOA_W
ClientSampleId :
A-GLICAL-PILE

Tot Ion:119 Resp: 7941
Ion Ratio Lower Upper
119 100
134 22.0 12.5 37.5
91 27.5 13.1 39.3



#95
Naphthalene
Concen: 26.745 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008017.D
Acq: 03 Jan 2019 13:37

Tgt Ion:128 Resp: 16972
Ion Ratio Lower Upper
128 100
127 15.1 10.8 16.2
129 13.0 8.8 13.2

