

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\
 Data File : VW006167.D
 Acq On : 18 Oct 2018 10:58
 Operator : VA/AP
 Sample : J5204-05
 Misc : 7.3G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-101718-A

Quant Time: Oct 18 14:58:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	392004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	168676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	111061	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.88	113	105812	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	10.33	98	399351	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
62) 4-Bromofluorobenzene	12.62	95	148857	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	

Target Compounds

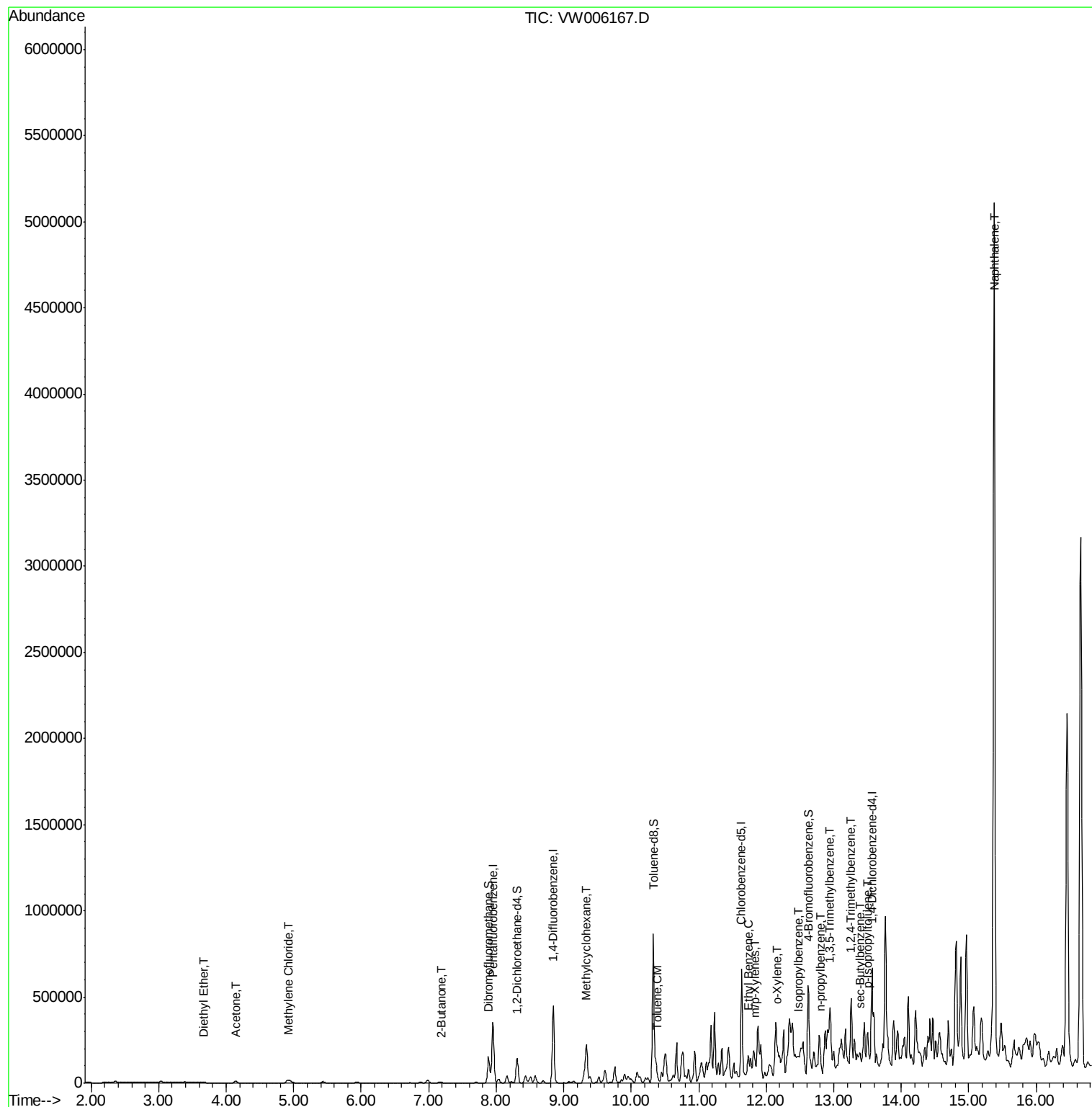
					Qvalue
8) Diethyl Ether	3.68	74	2087	1.716	ug/l 68
16) Acetone	4.14	43	21050	37.531	ug/l 93
20) Methylene Chloride	4.92	84	13276	4.110	ug/l 98
25) 2-Butanone	7.19	43	5217	8.625	ug/l 91
39) Methylcyclohexane	9.34	83	92125	19.181	ug/l 97
52) Toluene	10.39	92	12684	1.909	ug/l 98
67) Ethyl Benzene	11.74	91	48430	3.745	ug/l 97
68) m/p-Xylenes	11.84	106	13133	2.569	ug/l 98
69) o-Xylene	12.17	106	16055	3.296	ug/l 84
73) Isopropylbenzene	12.47	105	31480	2.642	ug/l 100
78) n-propylbenzene	12.81	91	21202	1.529	ug/l 95
80) 1,3,5-Trimethylbenzene	12.95	105	66949	6.664	ug/l 98
84) 1,2,4-Trimethylbenzene	13.26	105	213095	20.963	ug/l 99
85) sec-Butylbenzene	13.39	105	33450	2.634	ug/l # 66
86) p-Isopropyltoluene	13.51	119	84225	7.333	ug/l 98
95) Naphthalene	15.38	128	4493631	677.564	ug/l 99

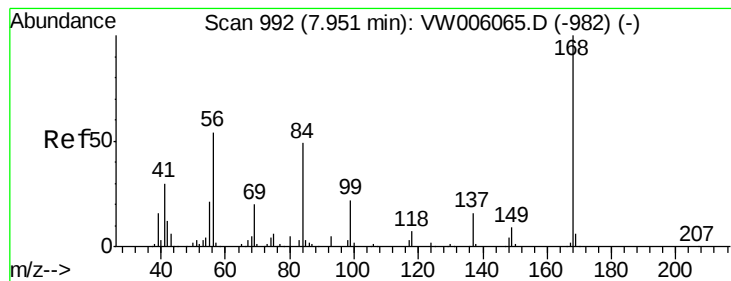
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

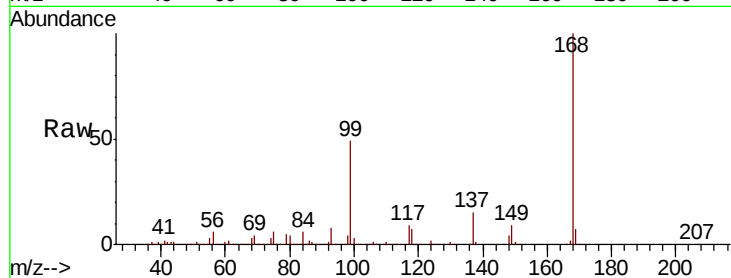
SU-03-101718-A

Tot Ion:168 Resp: 270067

Ion Ratio Lower Upper

168 100

99 48.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

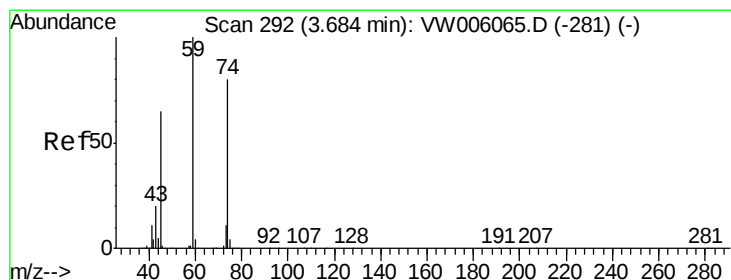
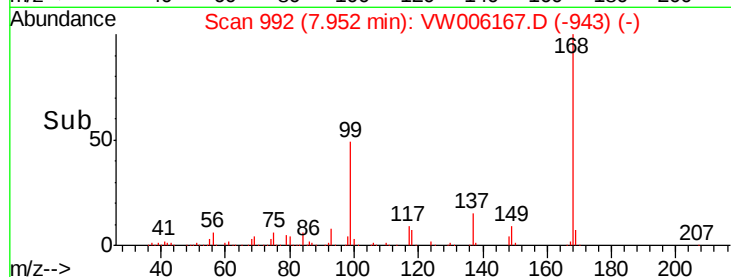
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.716 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006167.D

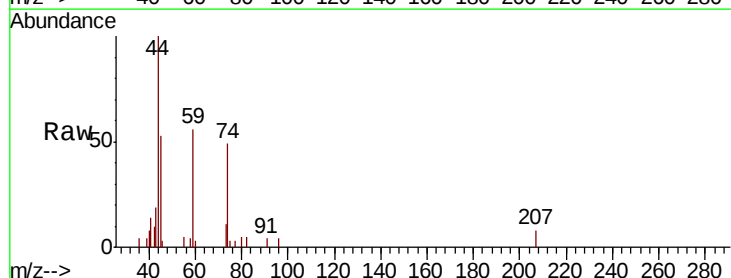
Acq: 18 Oct 2018 10:58

Tgt Ion: 74 Resp: 2087

Ion Ratio Lower Upper

74 100

45 114.7 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

600

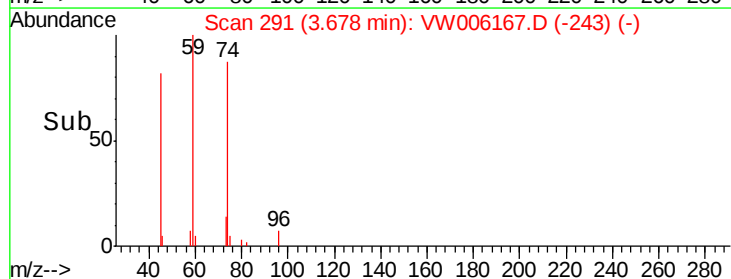
400

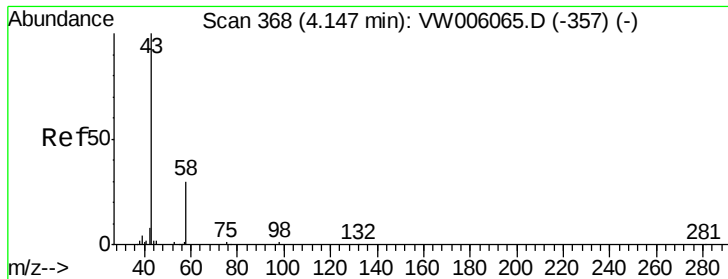
200

0

3.60 3.65 3.70 3.75

Time-->

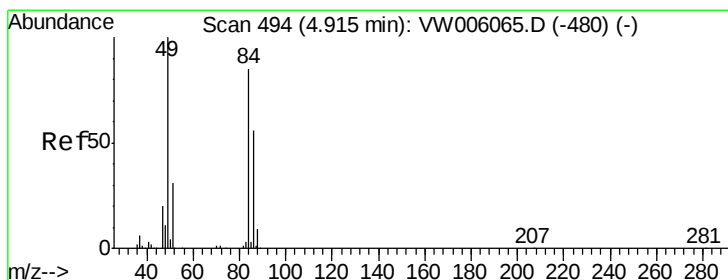
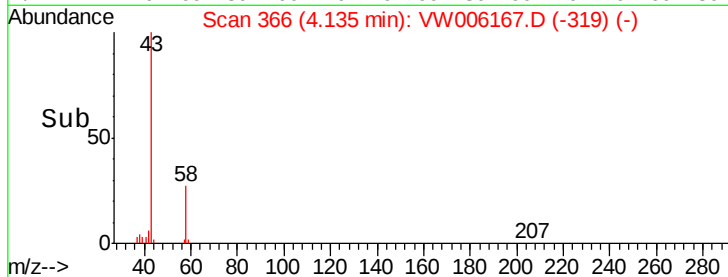
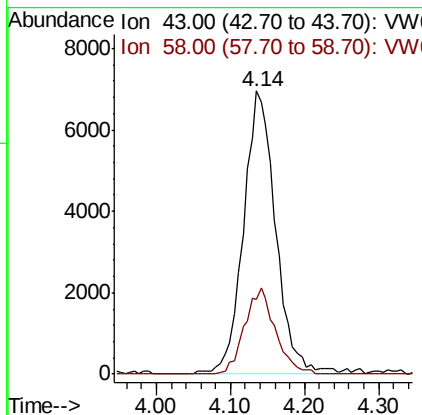
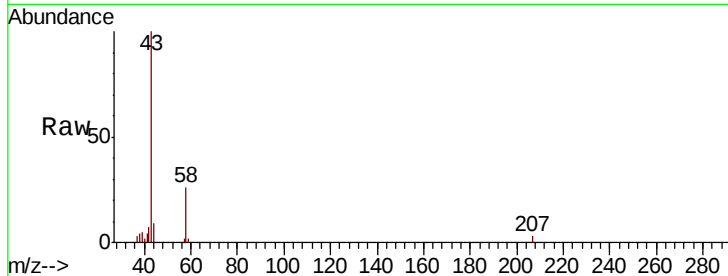




#16
Acetone
Concen: 37.531 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

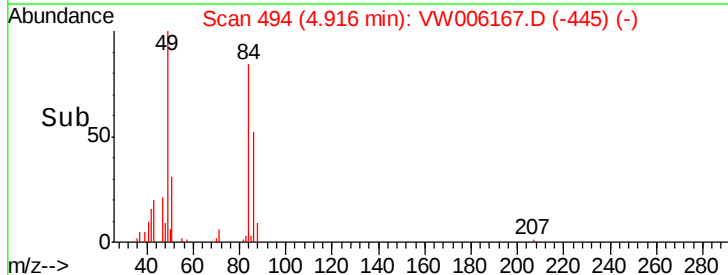
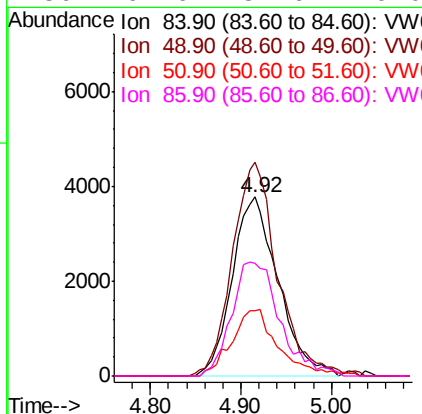
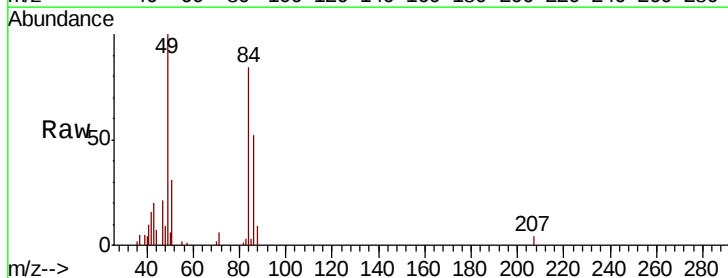
Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-A

Tot Ion: 43 Resp: 21050
Ion Ratio Lower Upper
43 100
58 26.4 24.0 36.0



#20
Methylene Chloride
Concen: 4.110 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

Tgt Ion: 84 Resp: 13276
Ion Ratio Lower Upper
84 100
49 119.4 93.6 140.4
51 36.6 29.0 43.4
86 62.6 52.6 79.0





#25

2-Butanone

Concen: 8.625 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

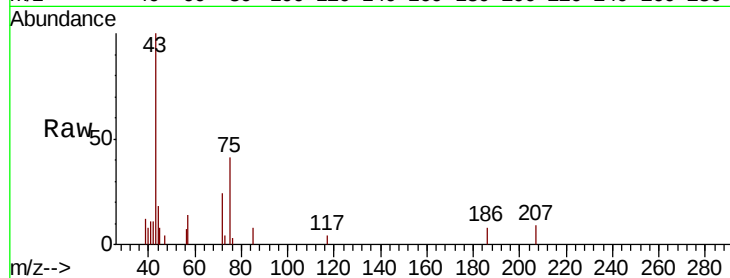
SU-03-101718-A

Tot Ion: 43 Resp: 5217

Ion Ratio Lower Upper

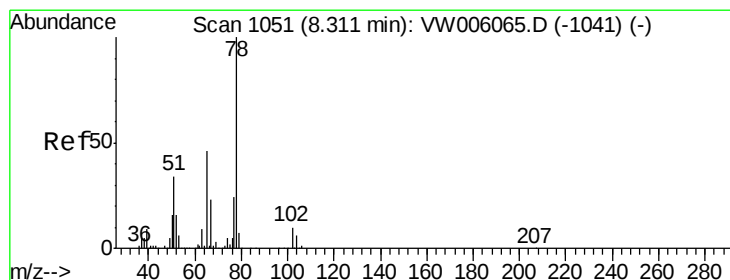
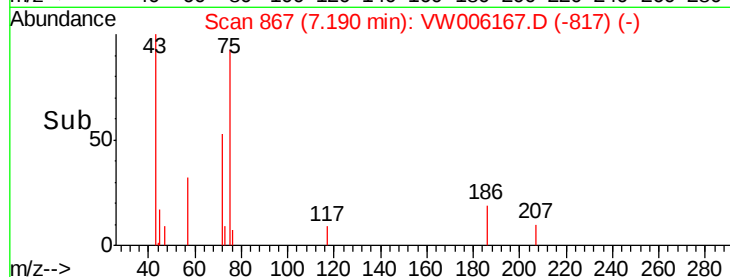
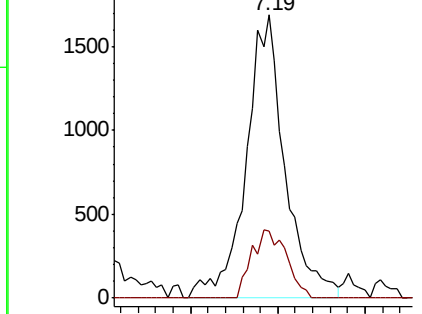
43 100

72 23.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 49.603 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006167.D

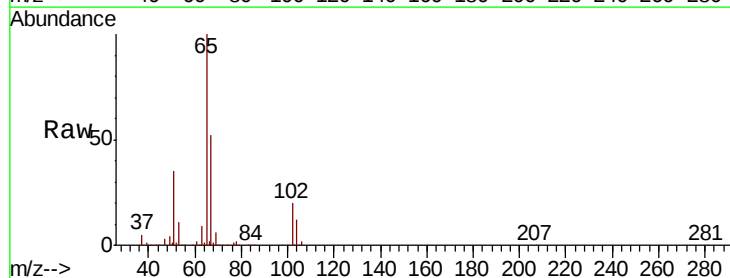
Acq: 18 Oct 2018 10:58

Tgt Ion: 65 Resp: 111061

Ion Ratio Lower Upper

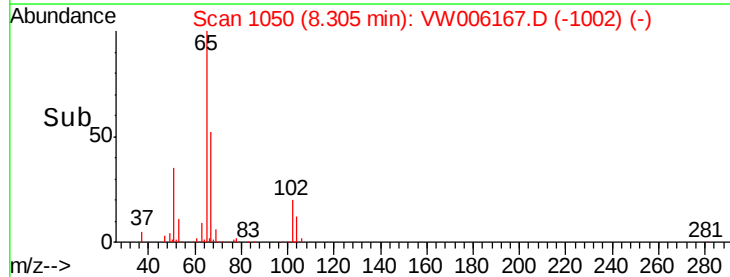
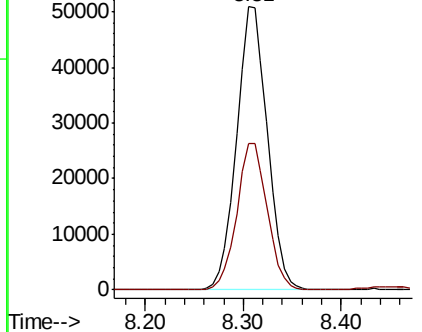
65 100

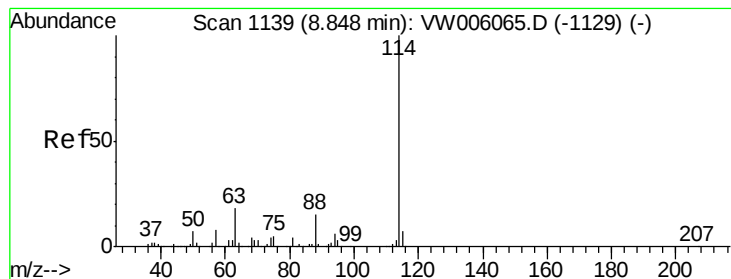
67 51.3 0.0 101.0



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: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-A

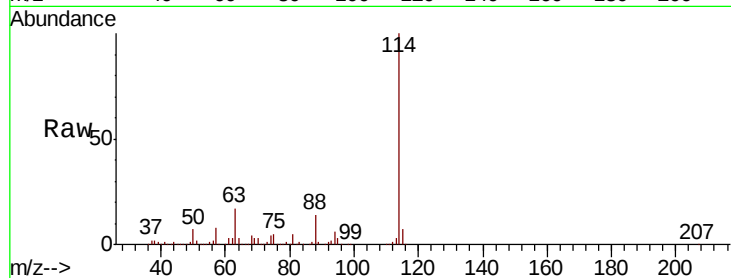
Tot Ion:114 Resp: 392004

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.8

88 14.3 0.0 29.0



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

250000

200000

150000

100000

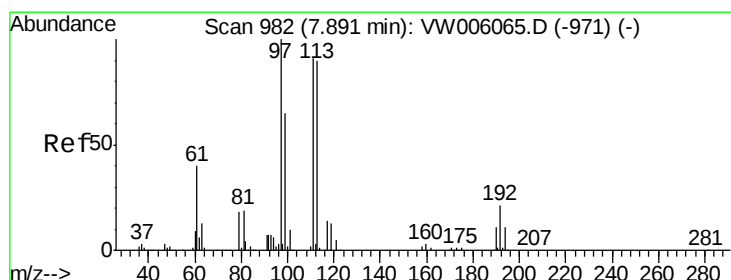
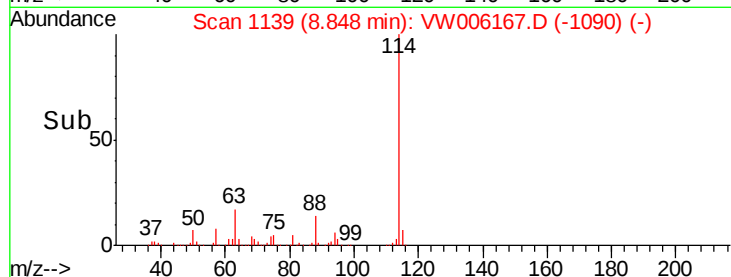
50000

0

8.85

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 45.681 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

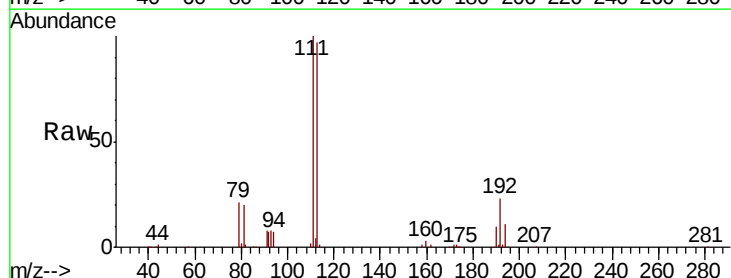
Tgt Ion:113 Resp: 105812

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 23.1 18.7 28.1



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

60000

50000

40000

30000

20000

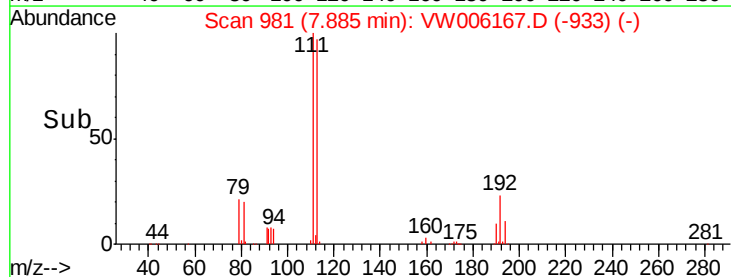
10000

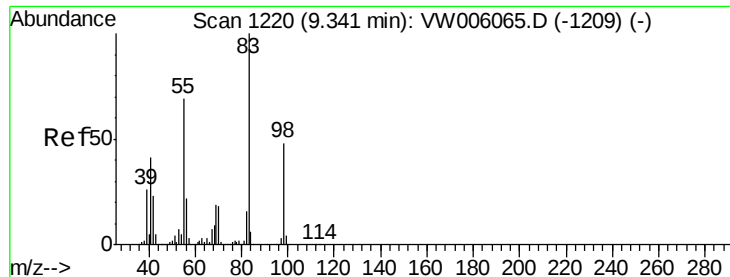
0

7.88

7.80 7.90 8.00

Time-->

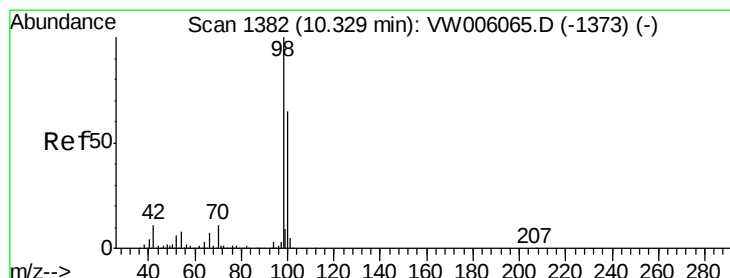
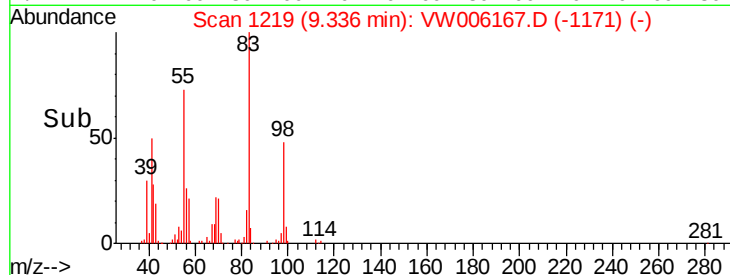
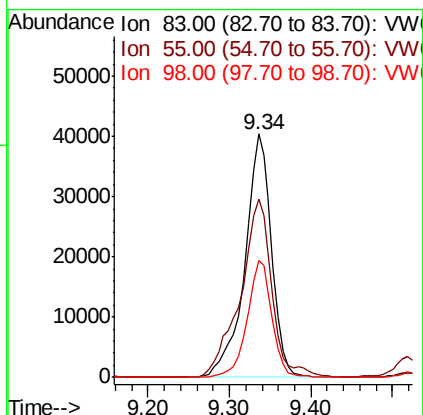
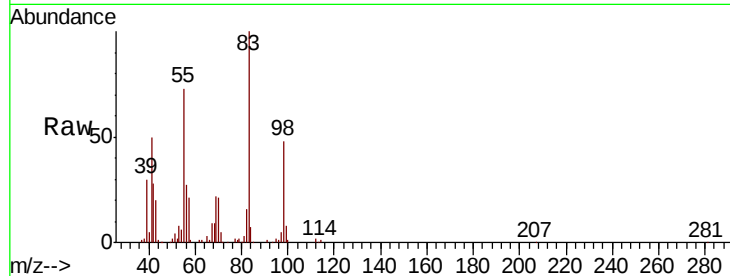




#39
Methylcyclohexane
Concen: 19.181 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

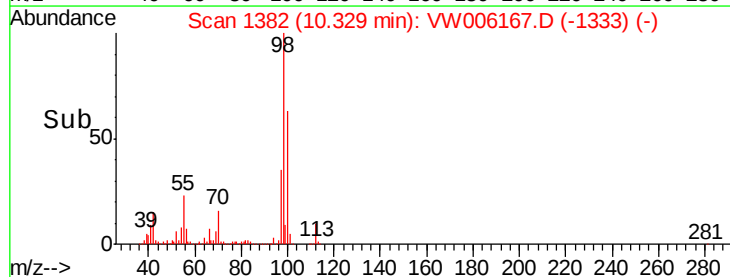
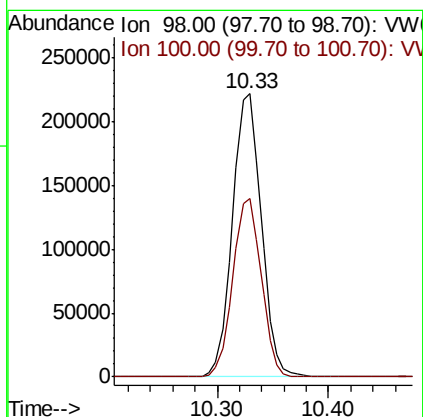
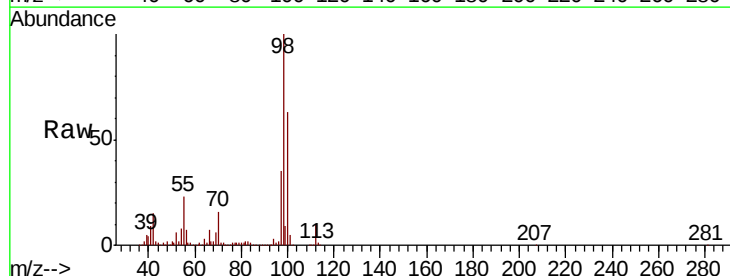
Instrument :
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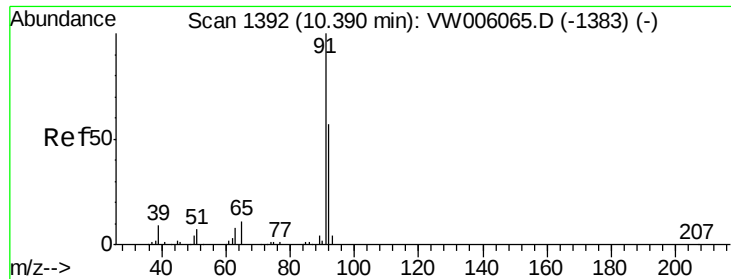
Tot Ion: 83 Resp: 92125
Ion Ratio Lower Upper
83 100
55 73.3 55.0 82.6
98 48.0 38.6 57.8



#50
Toluene-d8
Concen: 45.316 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

Tgt Ion: 98 Resp: 399351
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4





#52

Toluene

Concen: 1.909 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

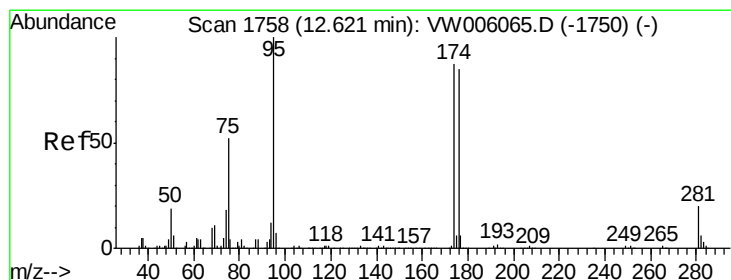
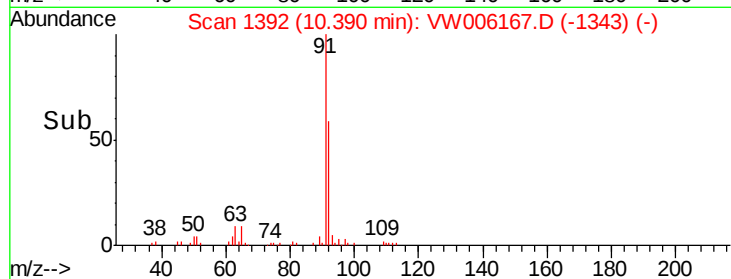
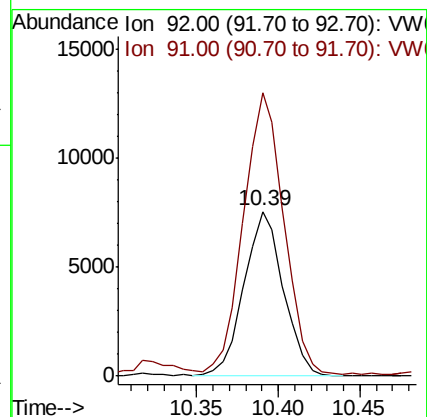
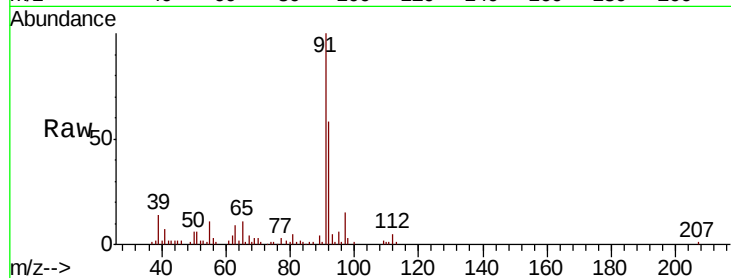
SU-03-101718-A

Tot Ion: 92 Resp: 12684

Ion Ratio Lower Upper

92 100

91 177.4 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 44.974 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

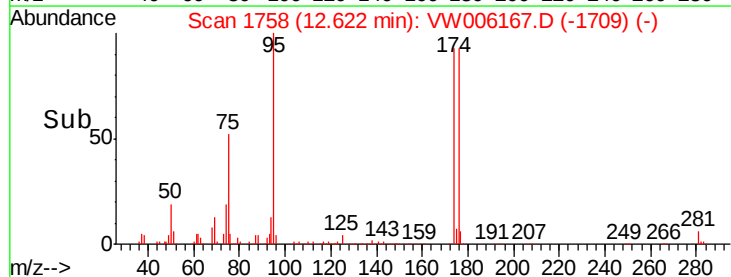
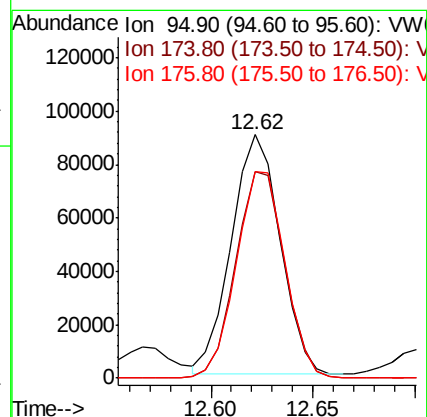
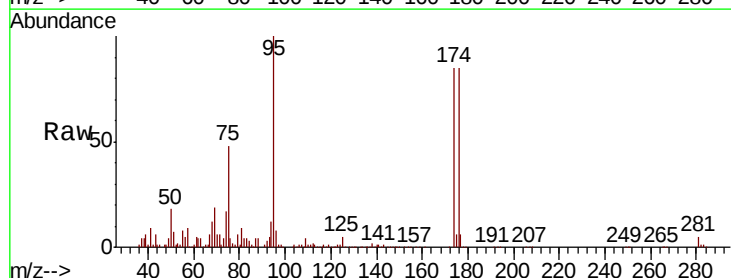
Tgt Ion: 95 Resp: 148857

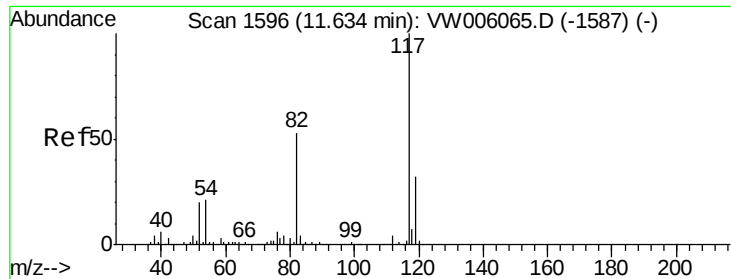
Ion Ratio Lower Upper

95 100

174 86.7 0.0 186.0

176 86.2 0.0 181.6

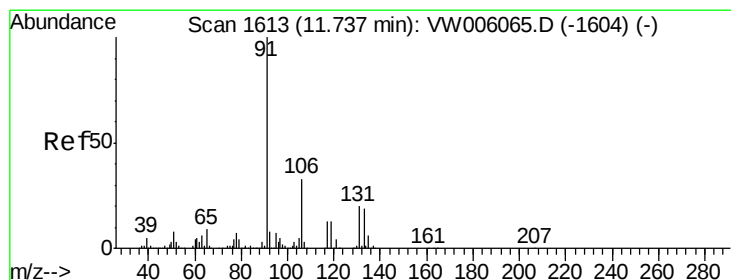
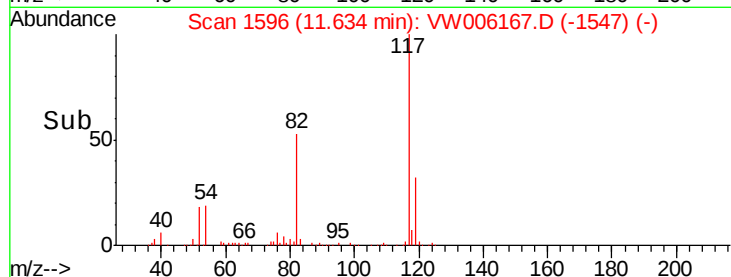
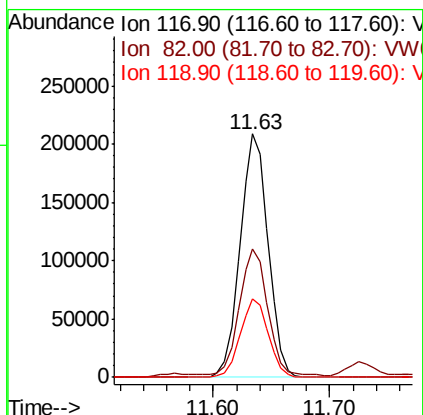
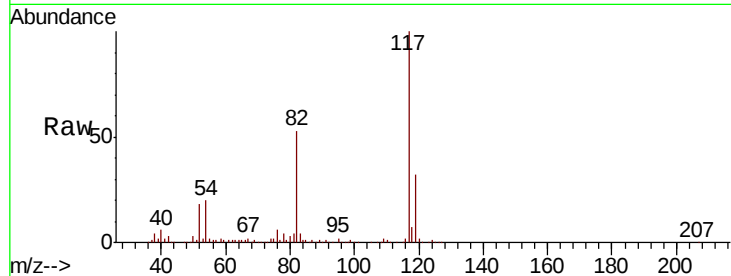




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

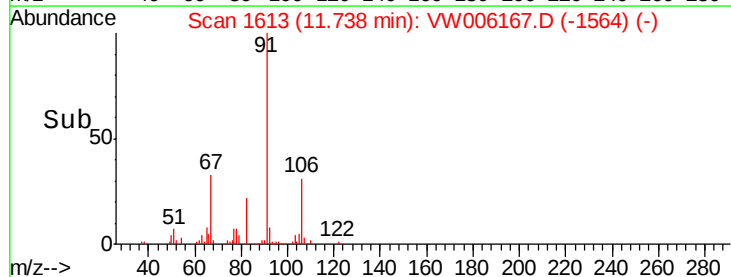
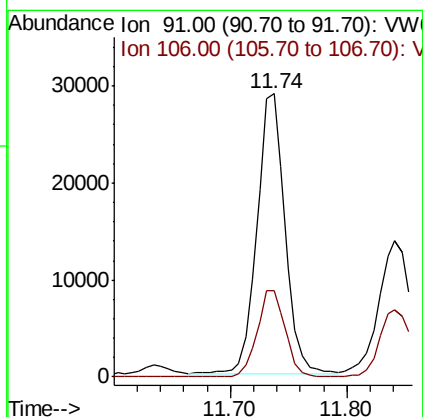
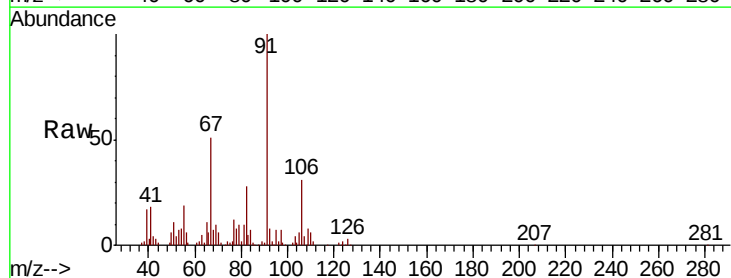
Instrument :
MSVOA_W
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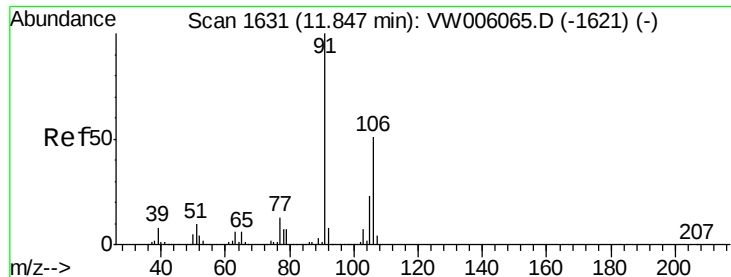
Tot Ion:117 Resp: 348573
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 32.3 25.8 38.6



#67
Ethyl Benzene
Concen: 3.745 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

Tgt Ion: 91 Resp: 48430
Ion Ratio Lower Upper
91 100
106 30.9 26.1 39.1

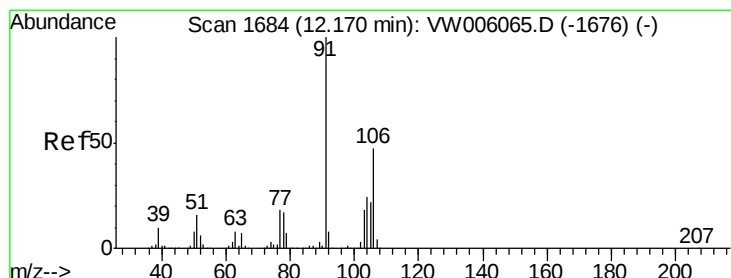
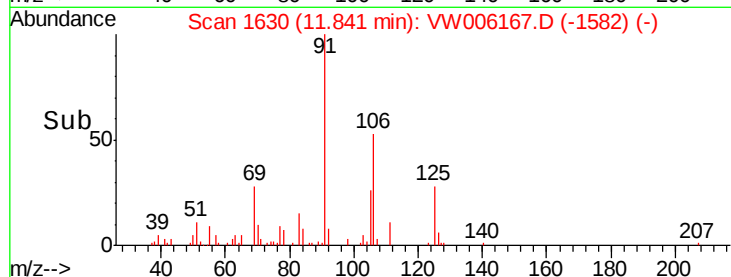
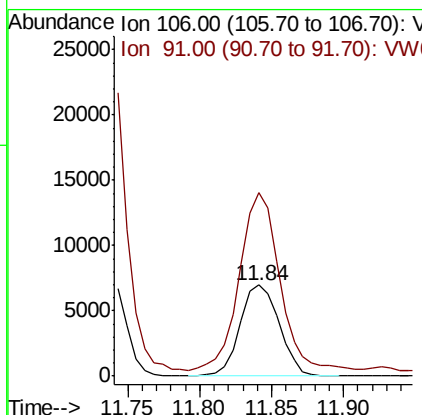
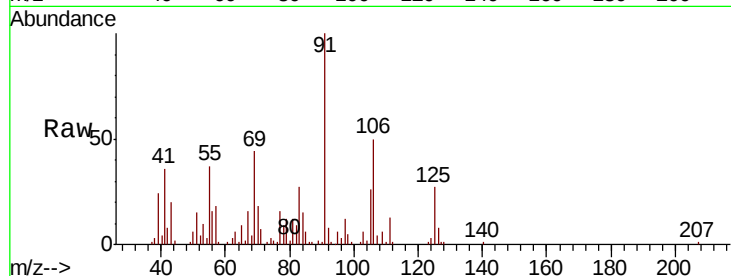




#68
m/p-Xylenes
Concen: 2.569 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

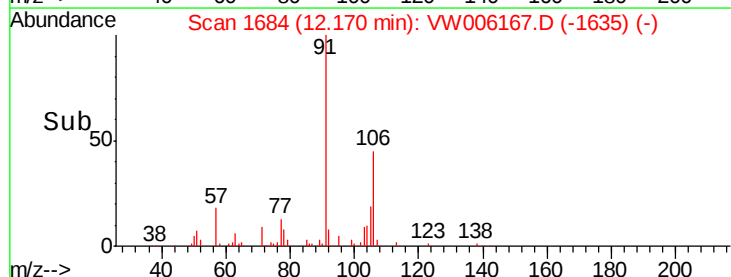
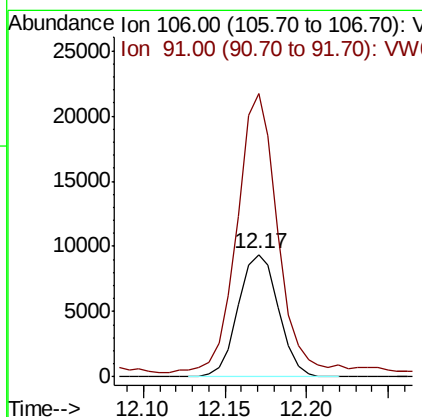
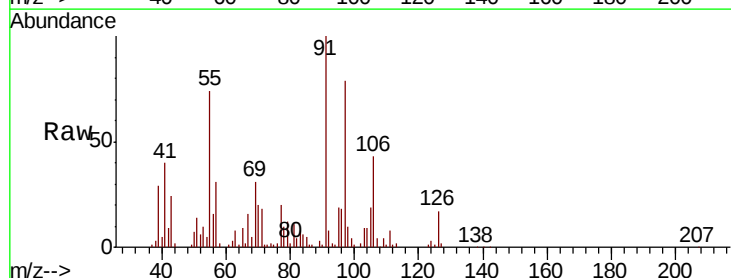
Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-A

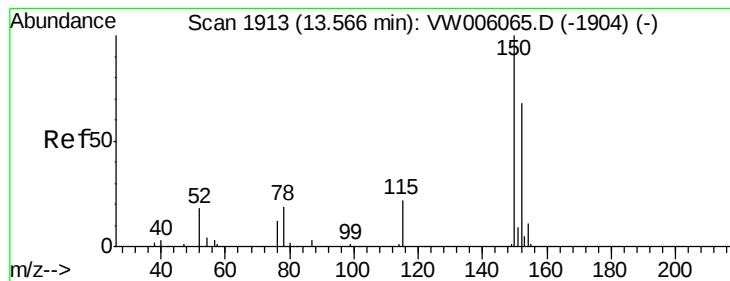
Tot Ion:106 Resp: 13133
Ion Ratio Lower Upper
106 100
91 202.6 159.1 238.7



#69
o-Xylene
Concen: 3.296 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

Tgt Ion:106 Resp: 16055
Ion Ratio Lower Upper
106 100
91 236.2 105.4 316.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-A

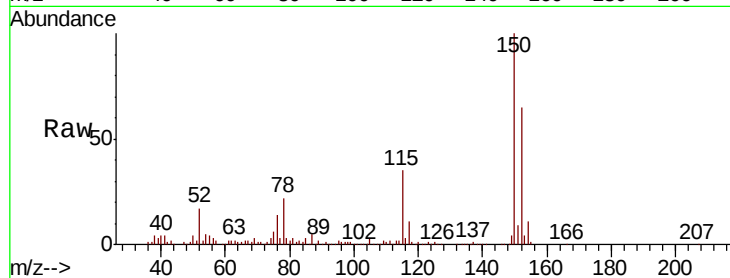
Tot Ion:152 Resp: 168676

Ion Ratio Lower Upper

152 100

115 56.8 27.8 83.3

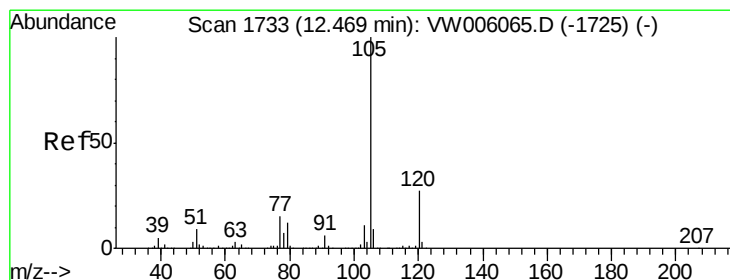
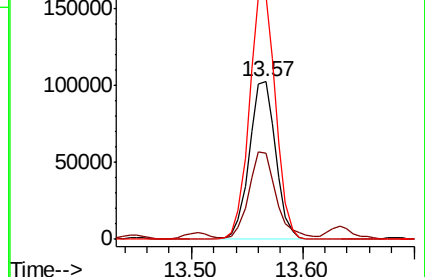
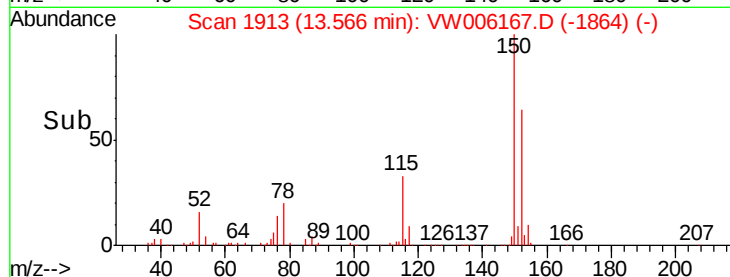
150 154.8 0.0 349.2



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



#73

Isopropylbenzene

Concen: 2.642 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006167.D

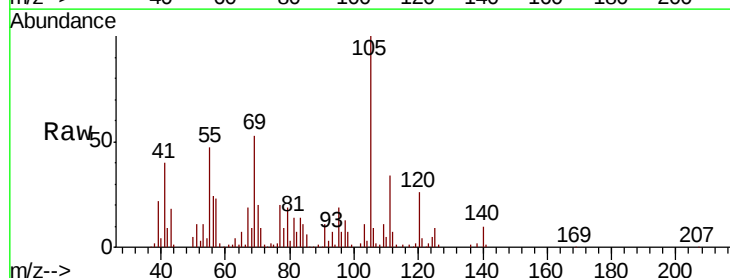
Acq: 18 Oct 2018 10:58

Tgt Ion:105 Resp: 31480

Ion Ratio Lower Upper

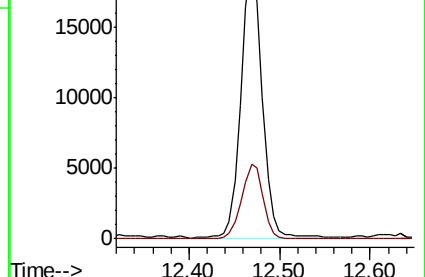
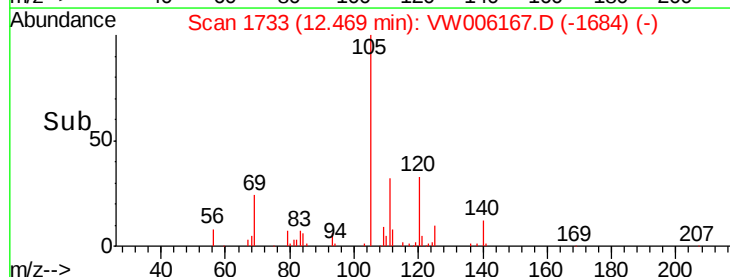
105 100

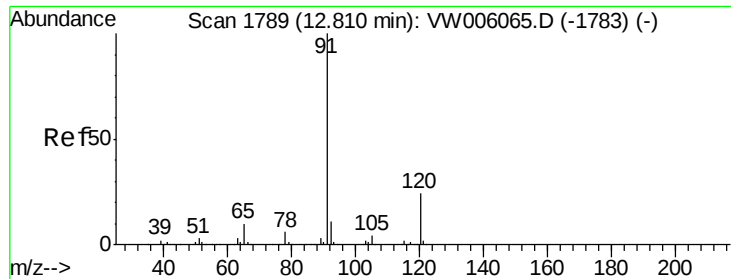
120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.529 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006167.D

Acq: 18 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

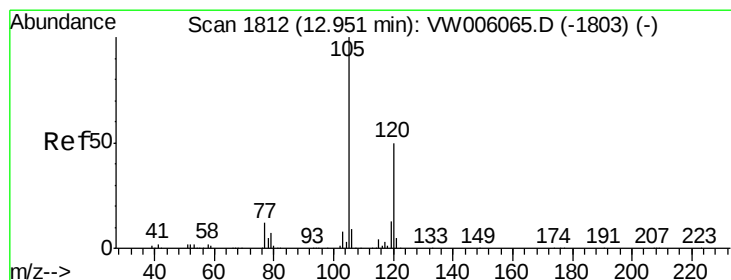
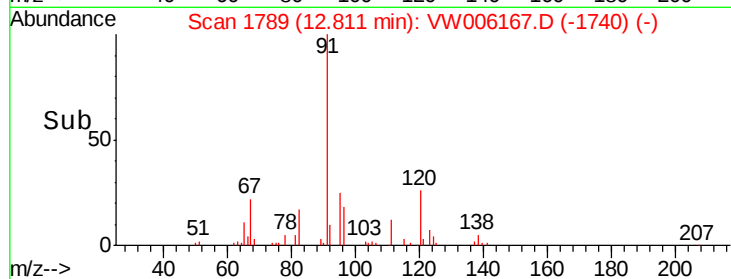
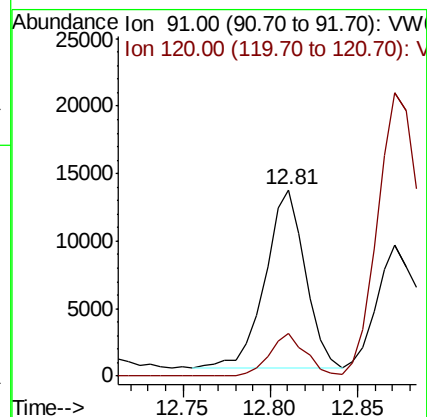
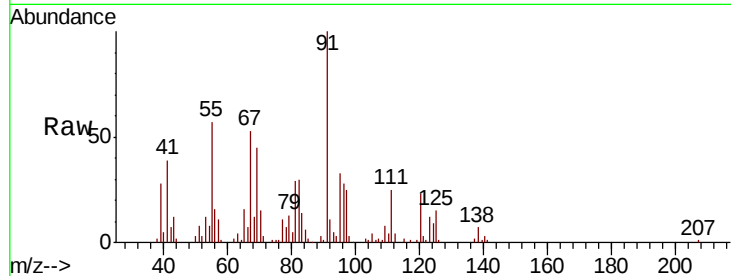
SU-03-101718-A

Tot Ion: 91 Resp: 21202

Ion Ratio Lower Upper

91 100

120 21.7 12.2 36.6



#80

1,3,5-Trimethylbenzene

Concen: 6.664 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006167.D

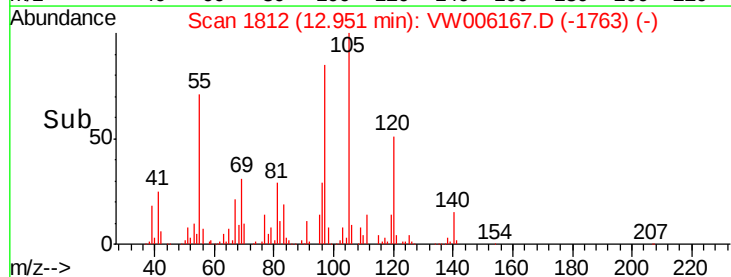
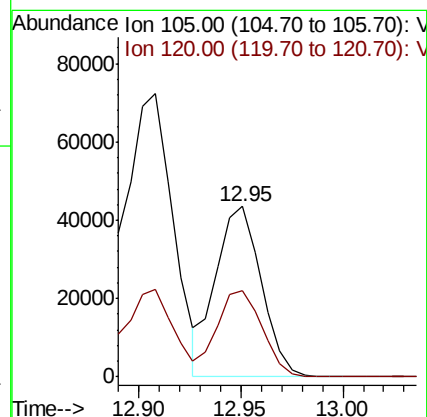
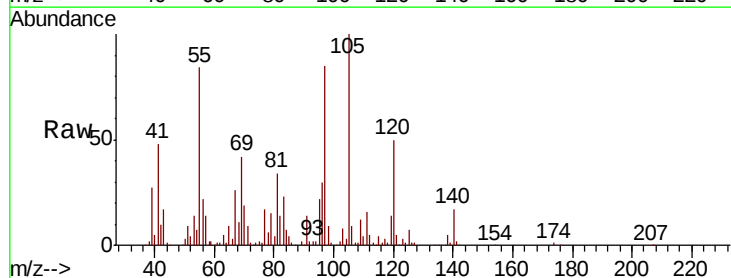
Acq: 18 Oct 2018 10:58

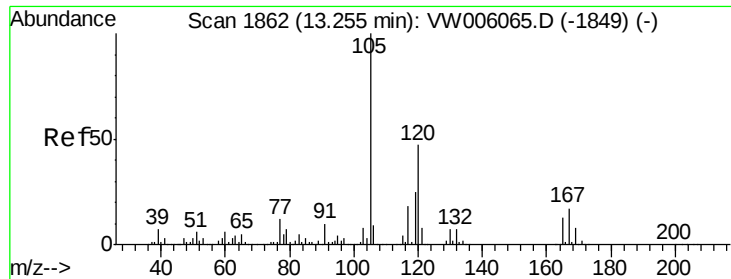
Tgt Ion:105 Resp: 66949

Ion Ratio Lower Upper

105 100

120 51.0 24.9 74.6

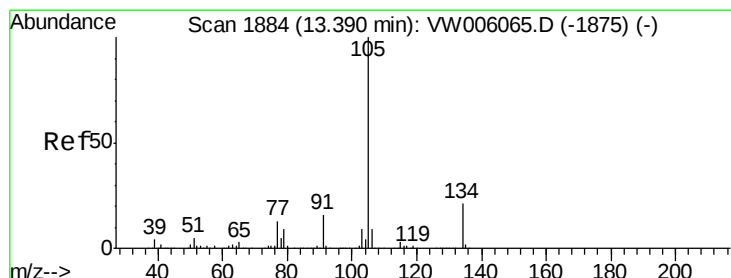
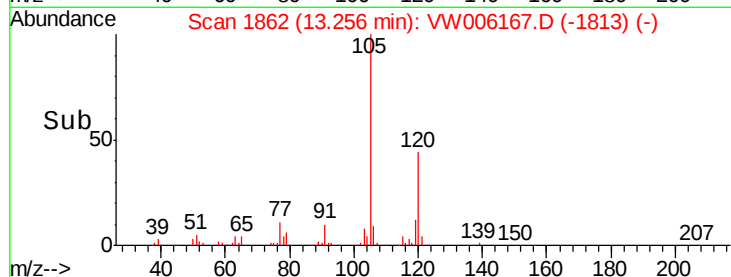
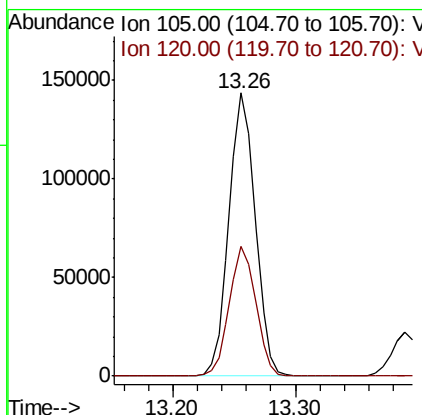
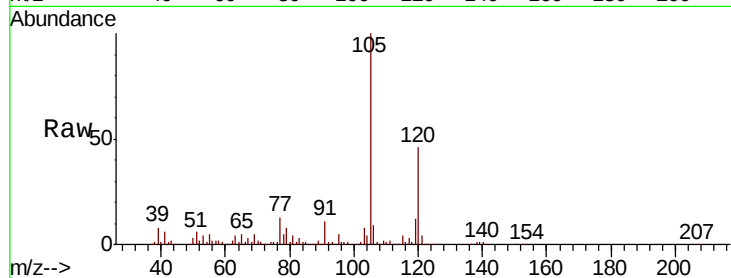




#84
 1,2,4-Trimethylbenzene
 Concen: 20.963 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006167.D
 Acq: 18 Oct 2018 10:58

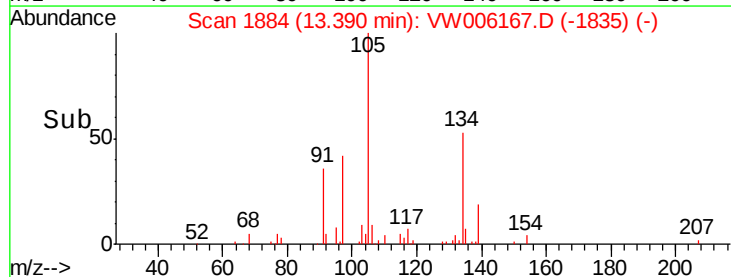
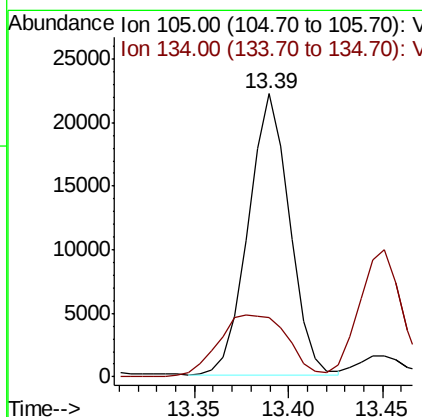
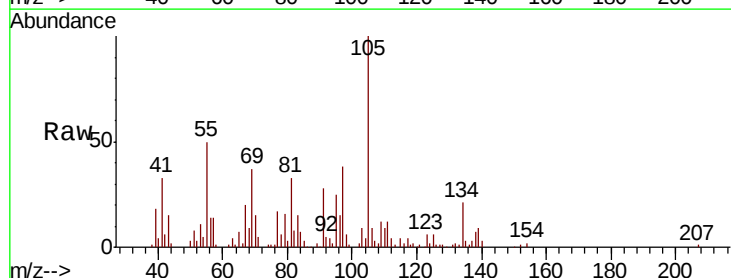
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-101718-A

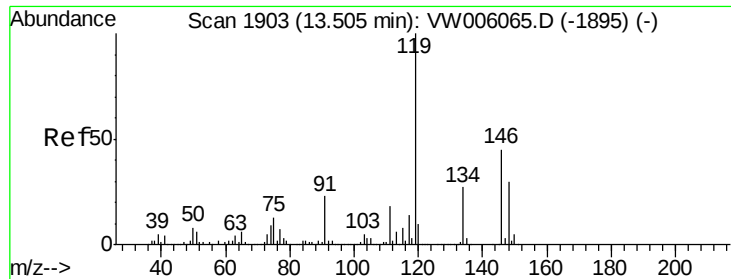
Tot Ion:105 Resp: 213095
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 2.634 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006167.D
 Acq: 18 Oct 2018 10:58

Tgt Ion:105 Resp: 33450
 Ion Ratio Lower Upper
 105 100
 134 37.2 10.5 31.6#

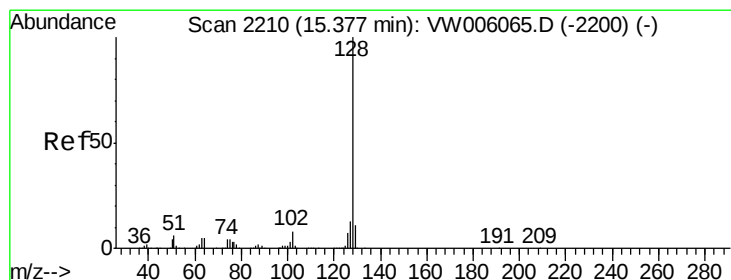
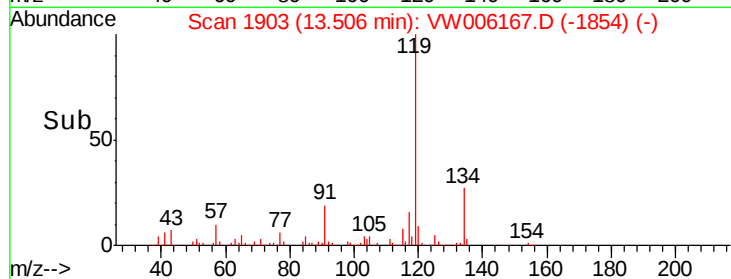
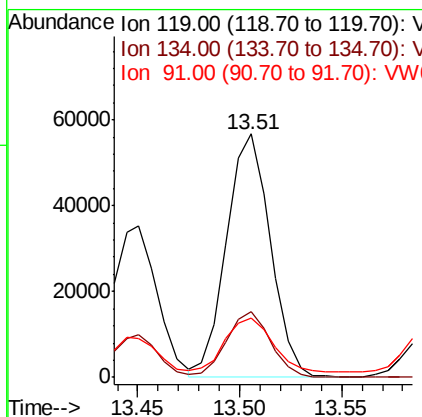
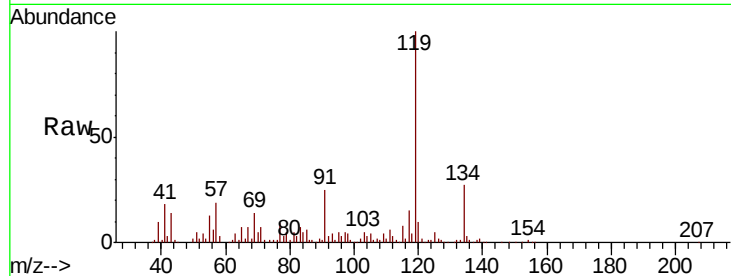




#86
p-Isopropyltoluene
Concen: 7.333 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-A

Tot Ion:119 Resp: 84225
Ion Ratio Lower Upper
119 100
134 27.0 13.4 40.2
91 24.6 11.4 34.1



#95
Naphthalene
Concen: 677.564 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006167.D
Acq: 18 Oct 2018 10:58

Tgt Ion:128 Resp: 4493631
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.2 8.7 13.1

