

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007887.D
 Acq On : 24 Dec 2018 14:33
 Operator : SY/AP
 Sample : J6426-01RE
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01RE

Quant Time: Dec 25 03:15:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

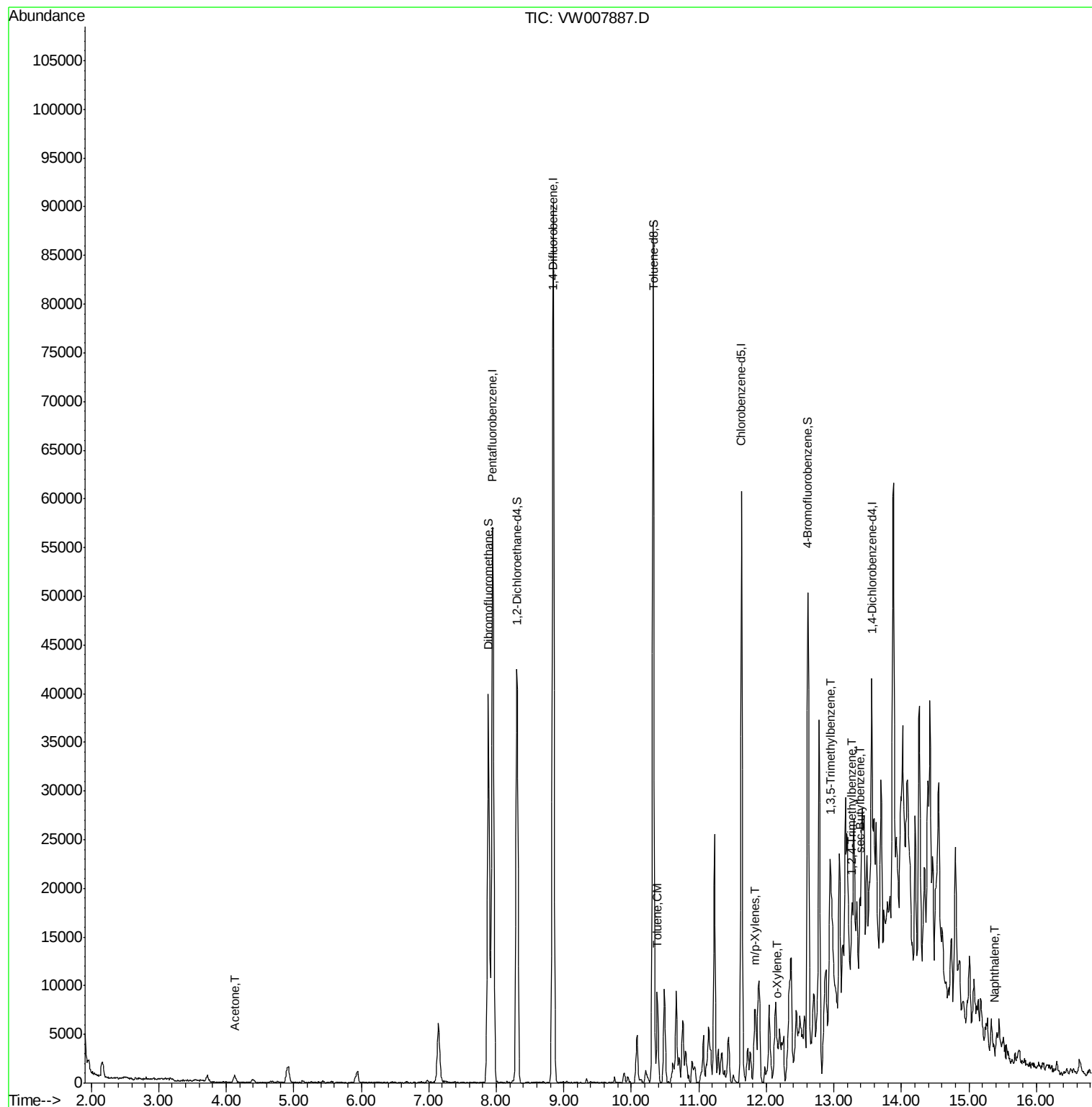
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	42714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	77353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	33389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	6841	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	34949	74.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	149.30%	
35) Dibromofluoromethane	7.89	113	29490	62.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.98%	
50) Toluene-d8	10.32	98	55322	31.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.20%	
62) 4-Bromofluorobenzene	12.62	95	12076	17.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.14%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	1350	15.399	ug/l #	89
52) Toluene	10.38	92	4352	3.256	ug/l	94
68) m/p-Xylenes	11.84	106	1798	3.738	ug/l	98
69) o-Xylene	12.17	106	547	1.213	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1201	2.693	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	2844	6.319	ug/l	76
85) sec-Butylbenzene	13.39	105	846	1.568	ug/l	90
95) Naphthalene	15.38	128	1261	4.664	ug/l #	93

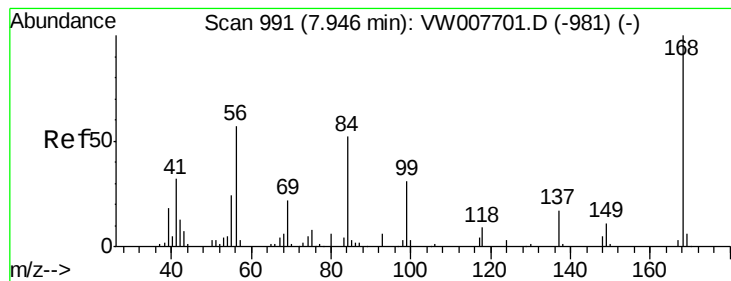
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
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: VW007887.D

Acq: 24 Dec 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

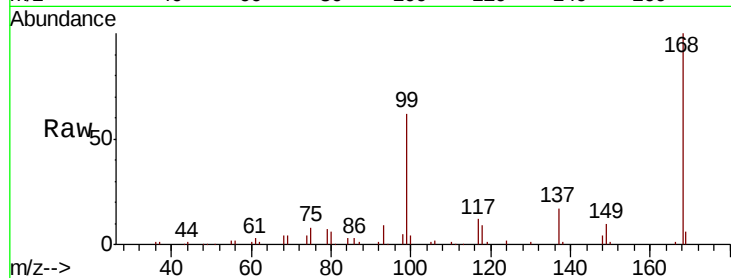
P001-DS001-01RE

Tot Ion:168 Resp: 42714

Ion Ratio Lower Upper

168 100

99 62.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

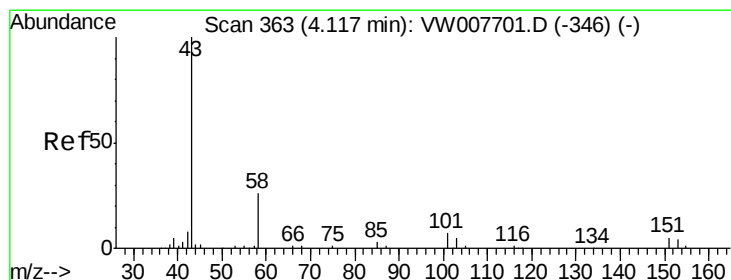
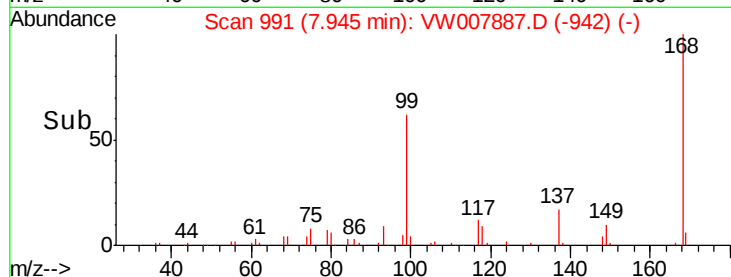
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 15.399 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007887.D

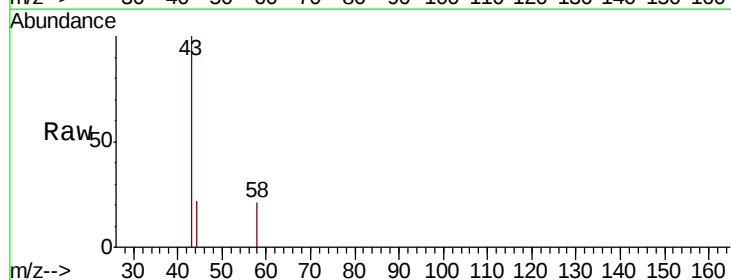
Acq: 24 Dec 2018 14:33

Tgt Ion: 43 Resp: 1350

Ion Ratio Lower Upper

43 100

58 20.9 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

600

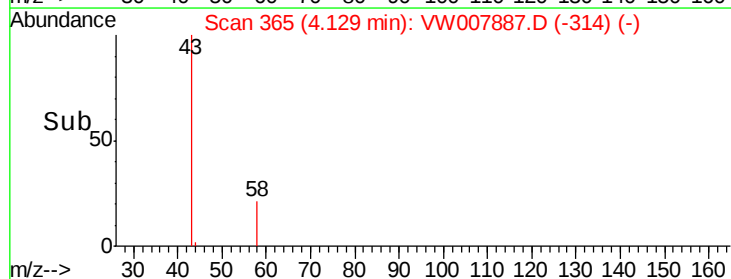
400

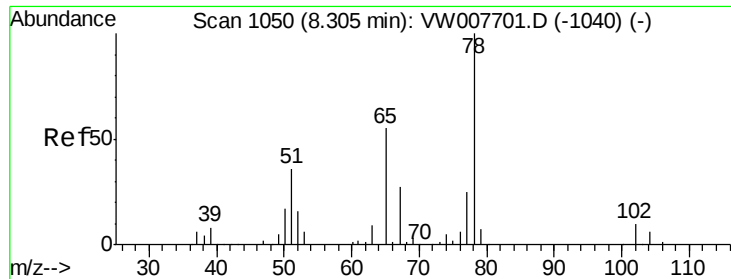
200

0

4.05 4.10 4.15 4.20

Time-->

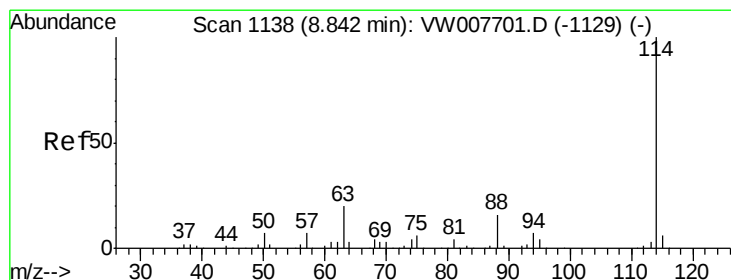
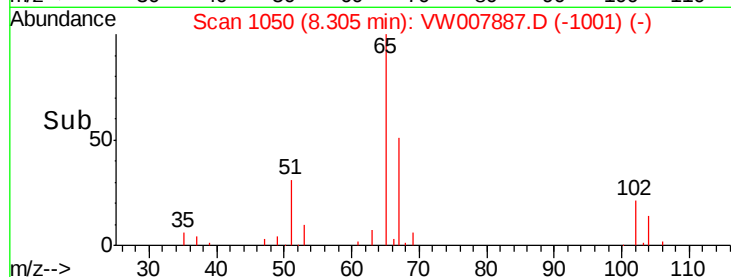
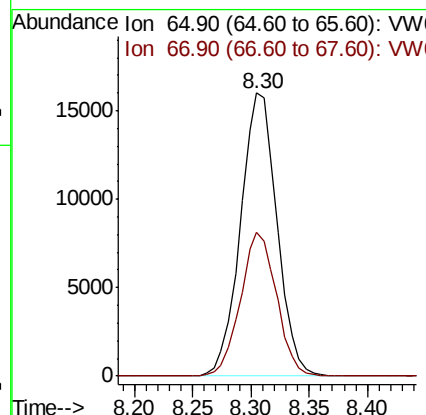
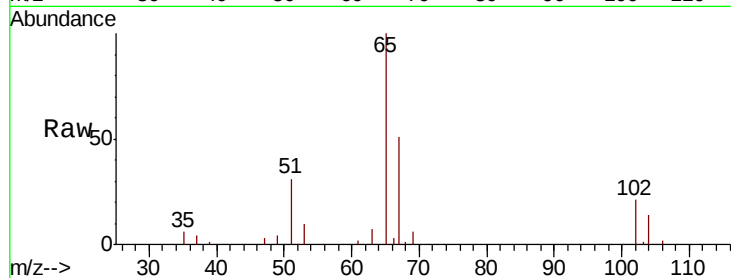




#33
 1,2-Dichloroethane-d4
 Concen: 74.651 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007887.D
 Acq: 24 Dec 2018 14:33

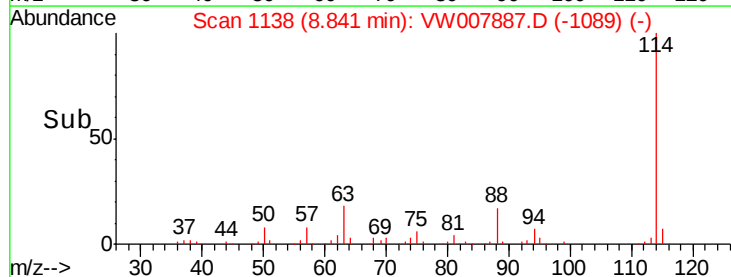
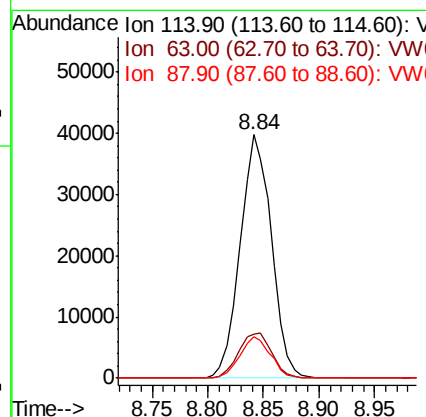
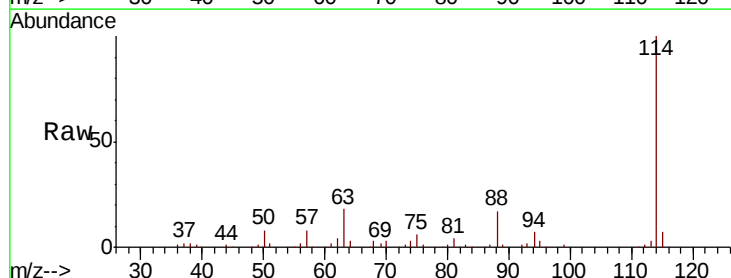
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01RE

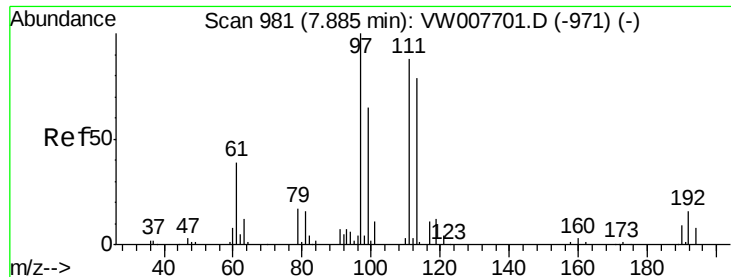
Tot Ion: 65 Resp: 34949
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007887.D
 Acq: 24 Dec 2018 14:33

Tgt Ion: 114 Resp: 77353
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 40.0
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 62.493 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW007887.D

Acq: 24 Dec 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

P001-DS001-01RE

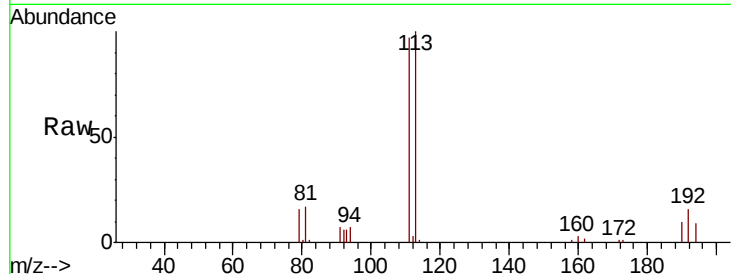
Tot Ion:113 Resp: 29490

Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

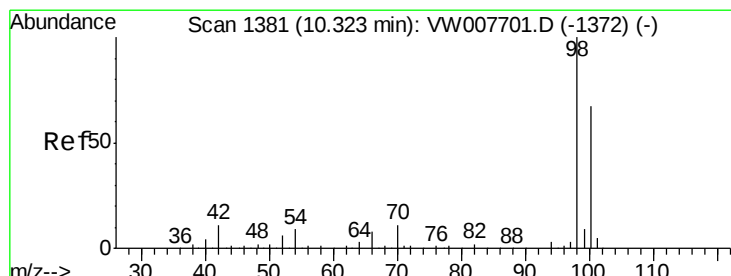
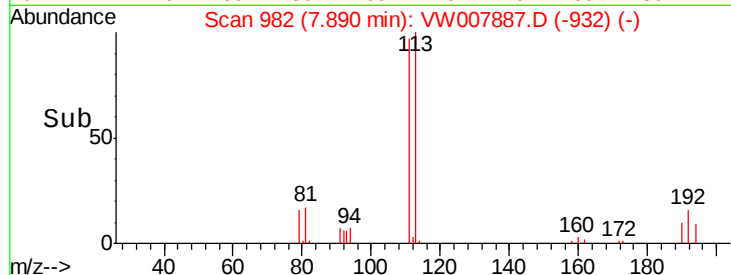
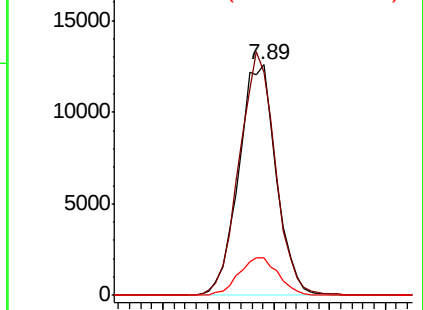
192 17.3 15.5 23.3



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: 31.098 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007887.D

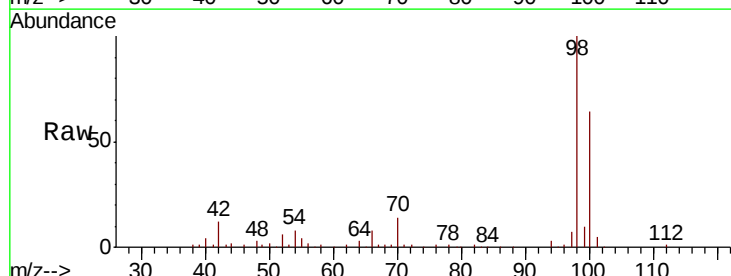
Acq: 24 Dec 2018 14:33

Tgt Ion: 98 Resp: 55322

Ion Ratio Lower Upper

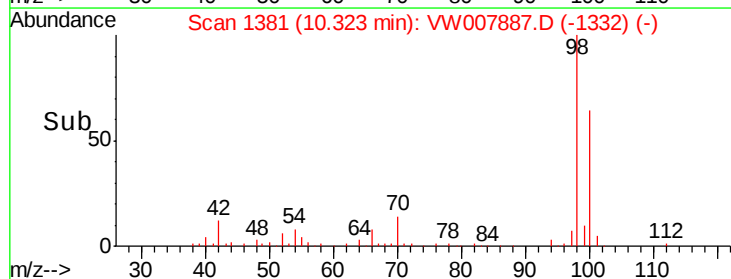
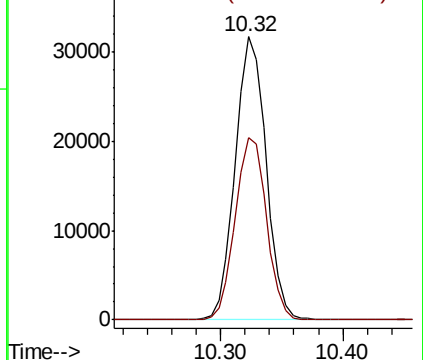
98 100

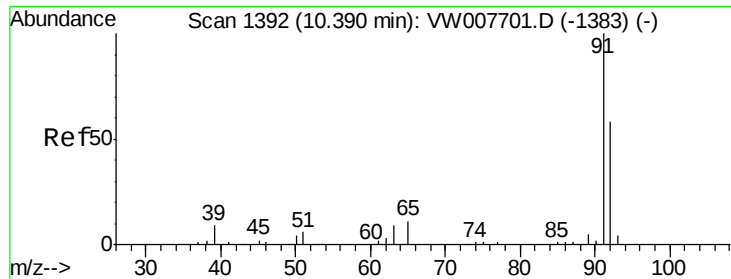
100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.256 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007887.D

Acq: 24 Dec 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

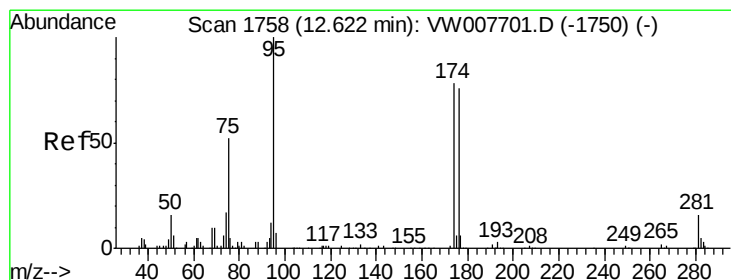
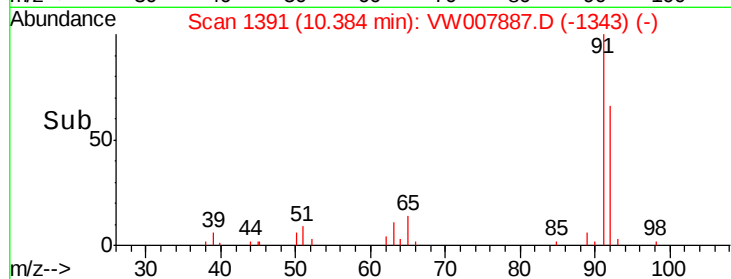
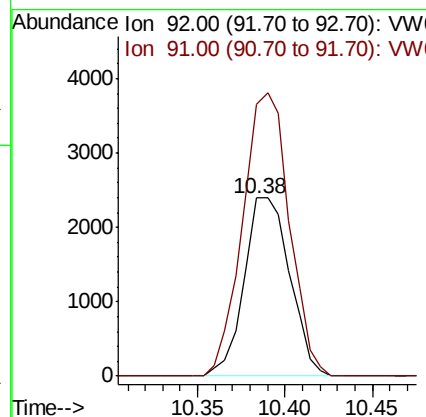
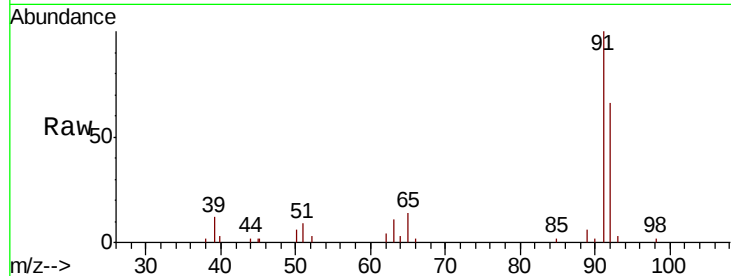
P001-DS001-01RE

Tot Ion: 92 Resp: 4352

Ion Ratio Lower Upper

92 100

91 162.3 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 17.571 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007887.D

Acq: 24 Dec 2018 14:33

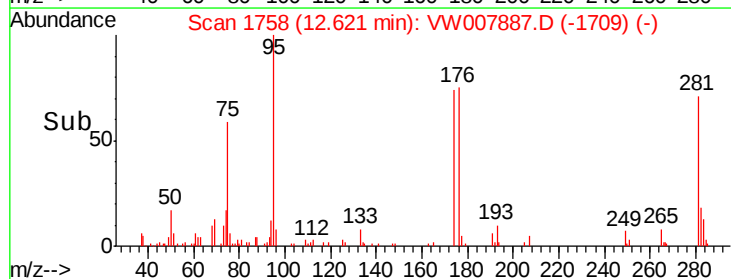
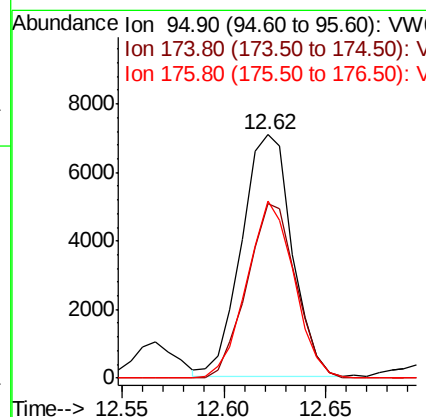
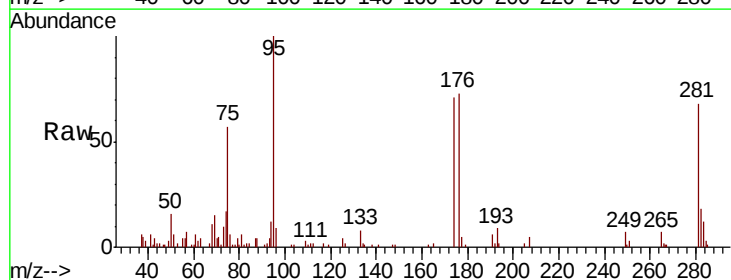
Tgt Ion: 95 Resp: 12076

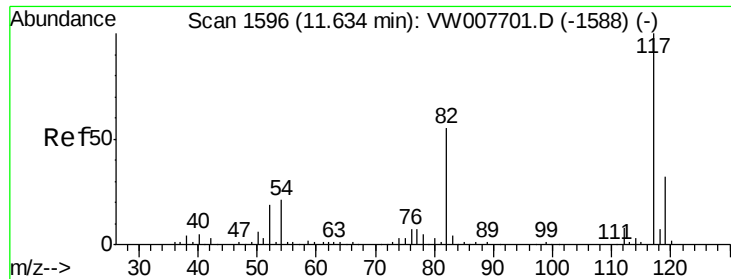
Ion Ratio Lower Upper

95 100

174 70.1 0.0 152.2

176 68.9 0.0 146.8

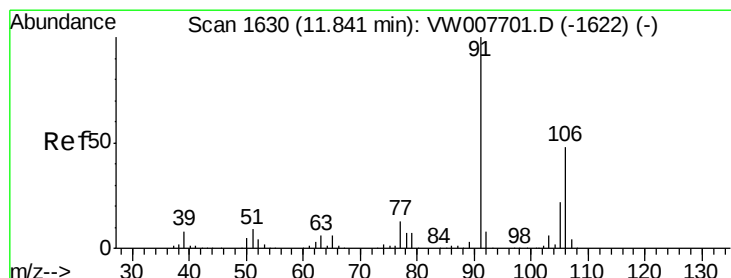
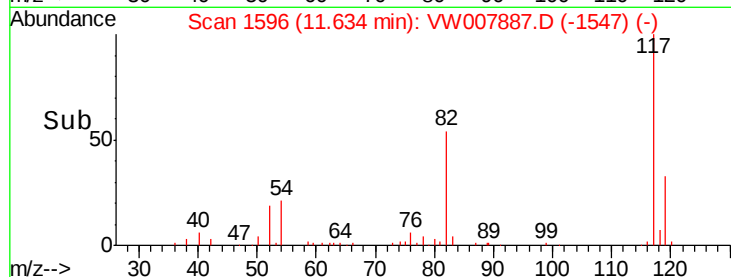
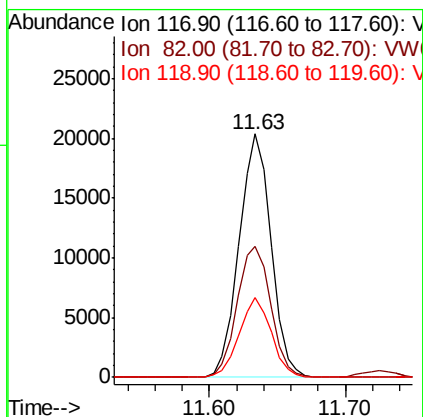
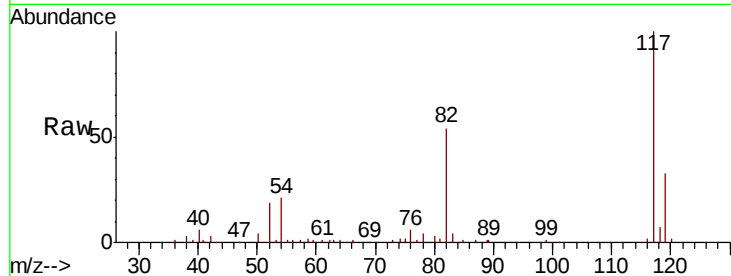




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007887.D
Acq: 24 Dec 2018 14:33

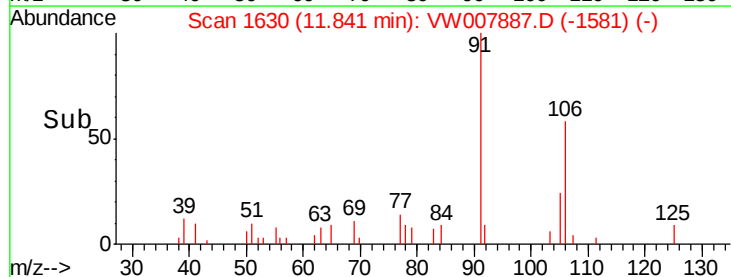
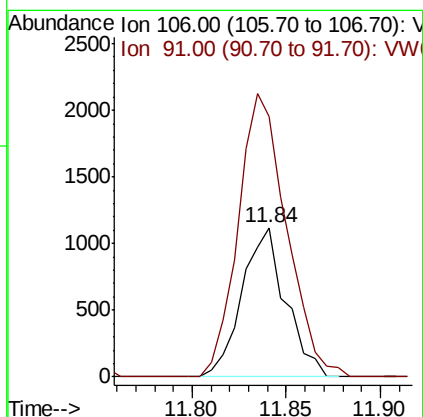
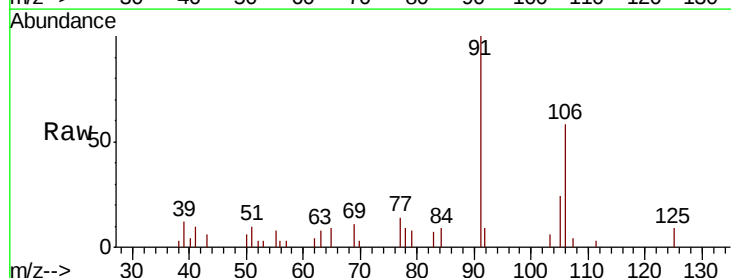
Instrument :
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P001-DS001-01RE

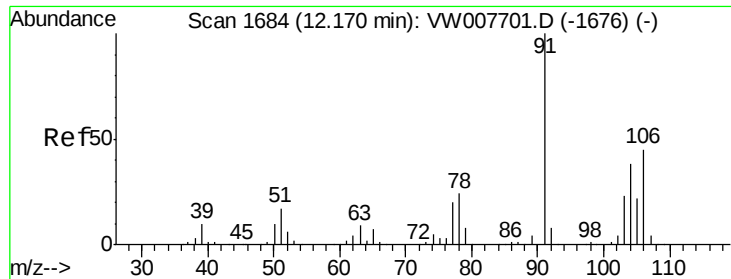
Tot Ion:117 Resp: 33389
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 32.9 25.7 38.5



#68
m/p-Xylenes
Concen: 3.738 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007887.D
Acq: 24 Dec 2018 14:33

Tgt Ion:106 Resp: 1798
Ion Ratio Lower Upper
106 100
91 209.8 165.2 247.8

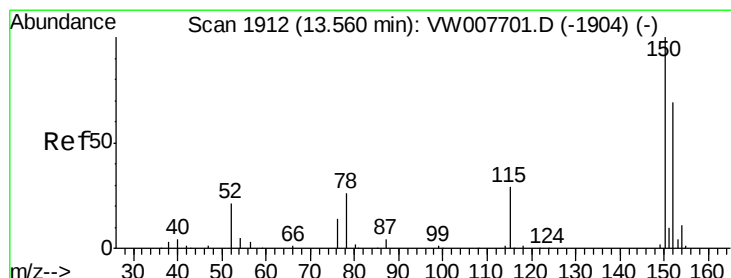
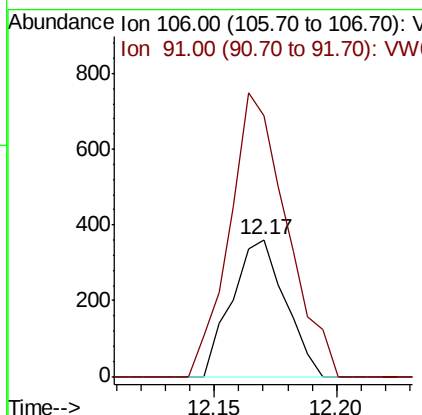
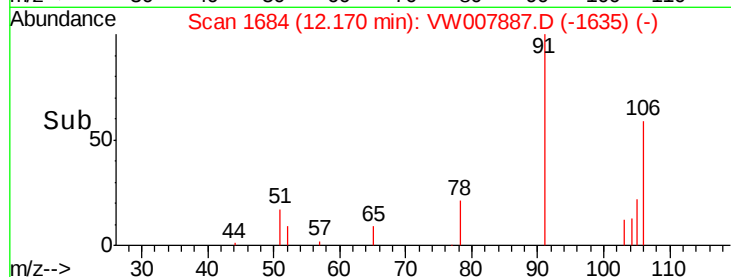
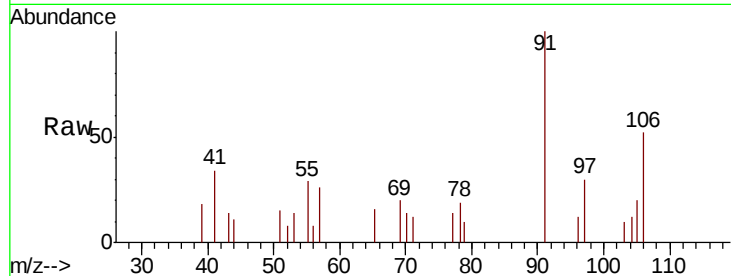




#69
o-Xylene
Concen: 1.213 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007887.D
Acq: 24 Dec 2018 14:33

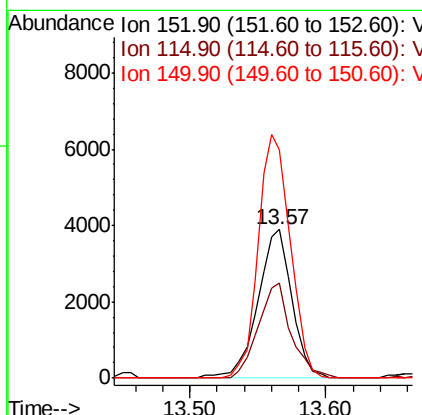
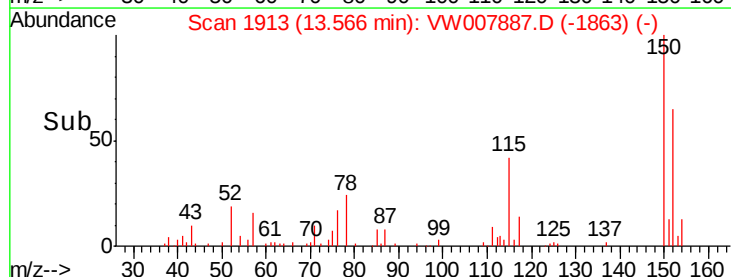
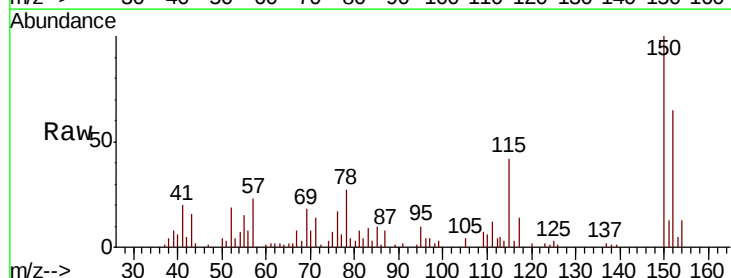
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P001-DS001-01RE

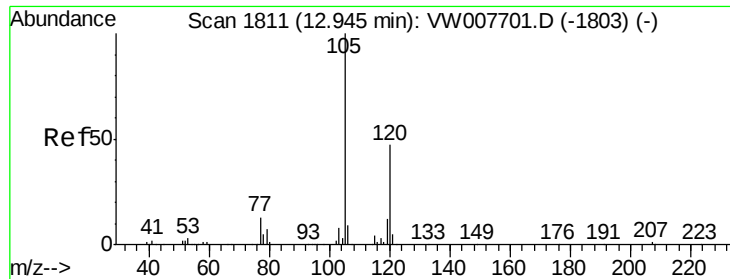
Tot Ion:106 Resp: 547
Ion Ratio Lower Upper
106 100
91 222.7 110.5 331.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007887.D
Acq: 24 Dec 2018 14:33

Tgt Ion:152 Resp: 6841
Ion Ratio Lower Upper
152 100
115 62.0 31.8 95.4
150 154.5 0.0 350.8

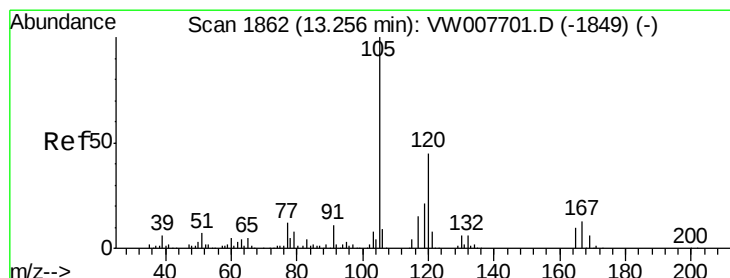
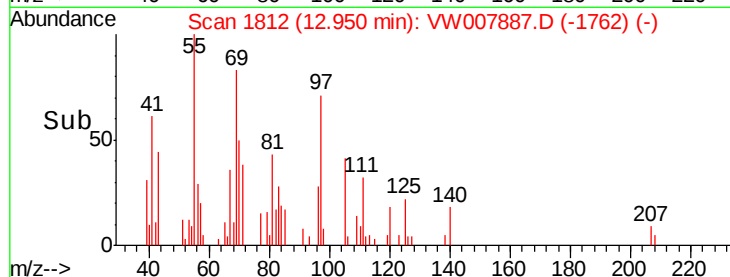
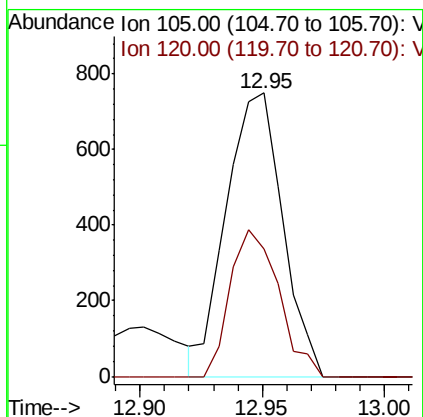
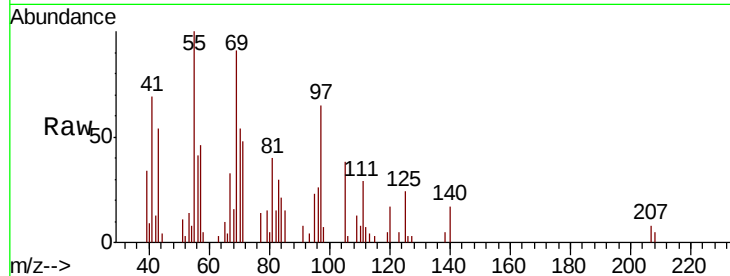




#80
 1,3,5-Trimethylbenzene
 Concen: 2.693 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007887.D
 Acq: 24 Dec 2018 14:33

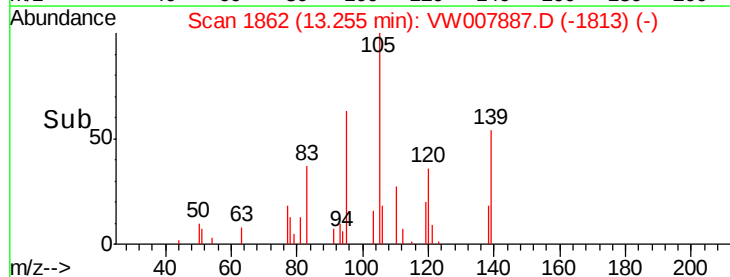
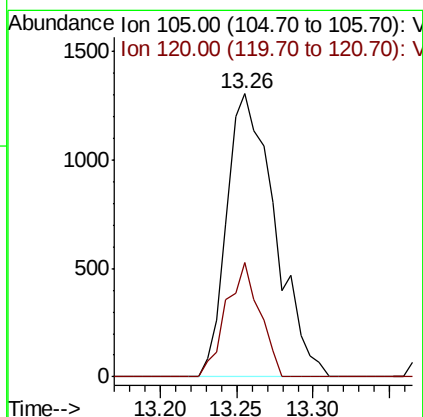
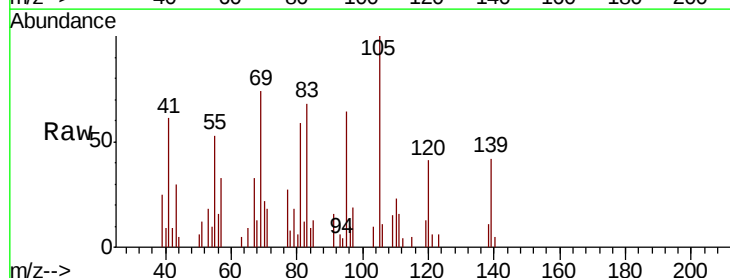
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01RE

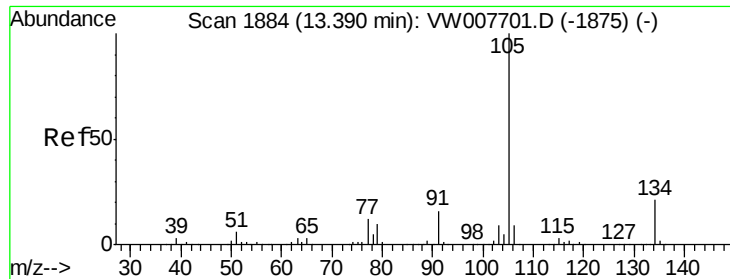
Tot Ion:105 Resp: 1201
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.6 70.8



#84
 1,2,4-Trimethylbenzene
 Concen: 6.319 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007887.D
 Acq: 24 Dec 2018 14:33

Tgt Ion:105 Resp: 2844
 Ion Ratio Lower Upper
 105 100
 120 28.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 1.568 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007887.D

Acq: 24 Dec 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

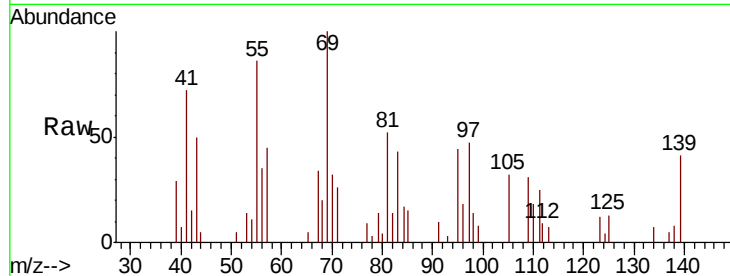
P001-DS001-01RE

Tot Ion:105 Resp: 846

Ion Ratio Lower Upper

105 100

134 15.6 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

600

500

400

300

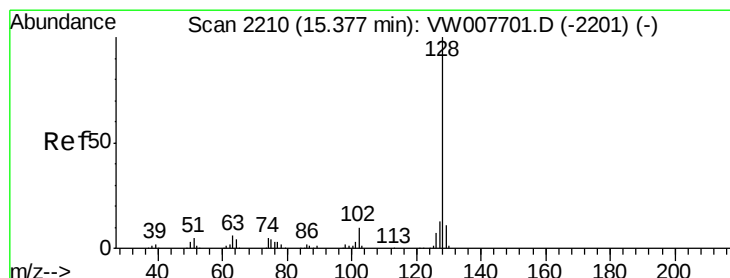
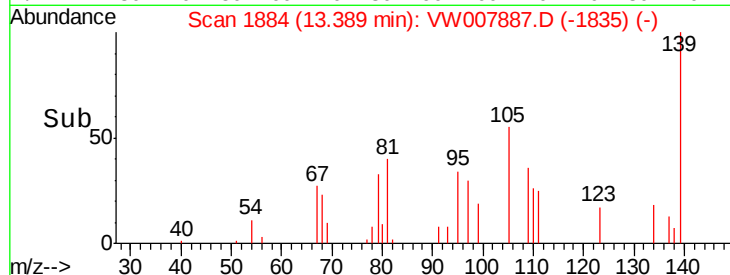
200

100

0

Time-->

13.35 13.40



#95

Naphthalene

Concen: 4.664 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW007887.D

Acq: 24 Dec 2018 14:33

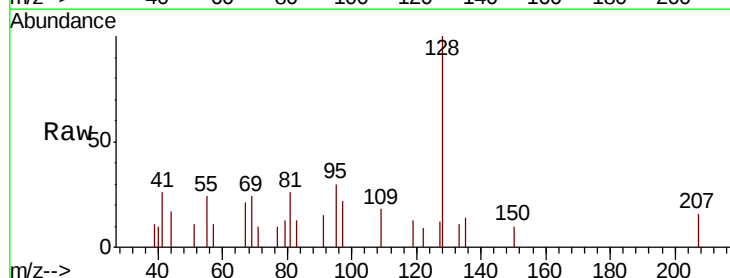
Tgt Ion:128 Resp: 1261

Ion Ratio Lower Upper

128 100

127 12.0 10.7 16.1

129 6.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

800

600

400

200

0

Time-->

15.30 15.35 15.40

