

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021419\
 Data File : VW008666.D
 Acq On : 14 Feb 2019 15:13
 Operator : SY/VA
 Sample : K1349-05
 Misc : 7.37G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-01-021319-A

Quant Time: Feb 15 03:52:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	405274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	616454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	518555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	213747	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	219941	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
35) Dibromofluoromethane	7.88	113	193848	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.32	98	719099	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.62	95	237283	42.69	ug/l	0.00
Spiked Amount			Recovery	=	85.38%	

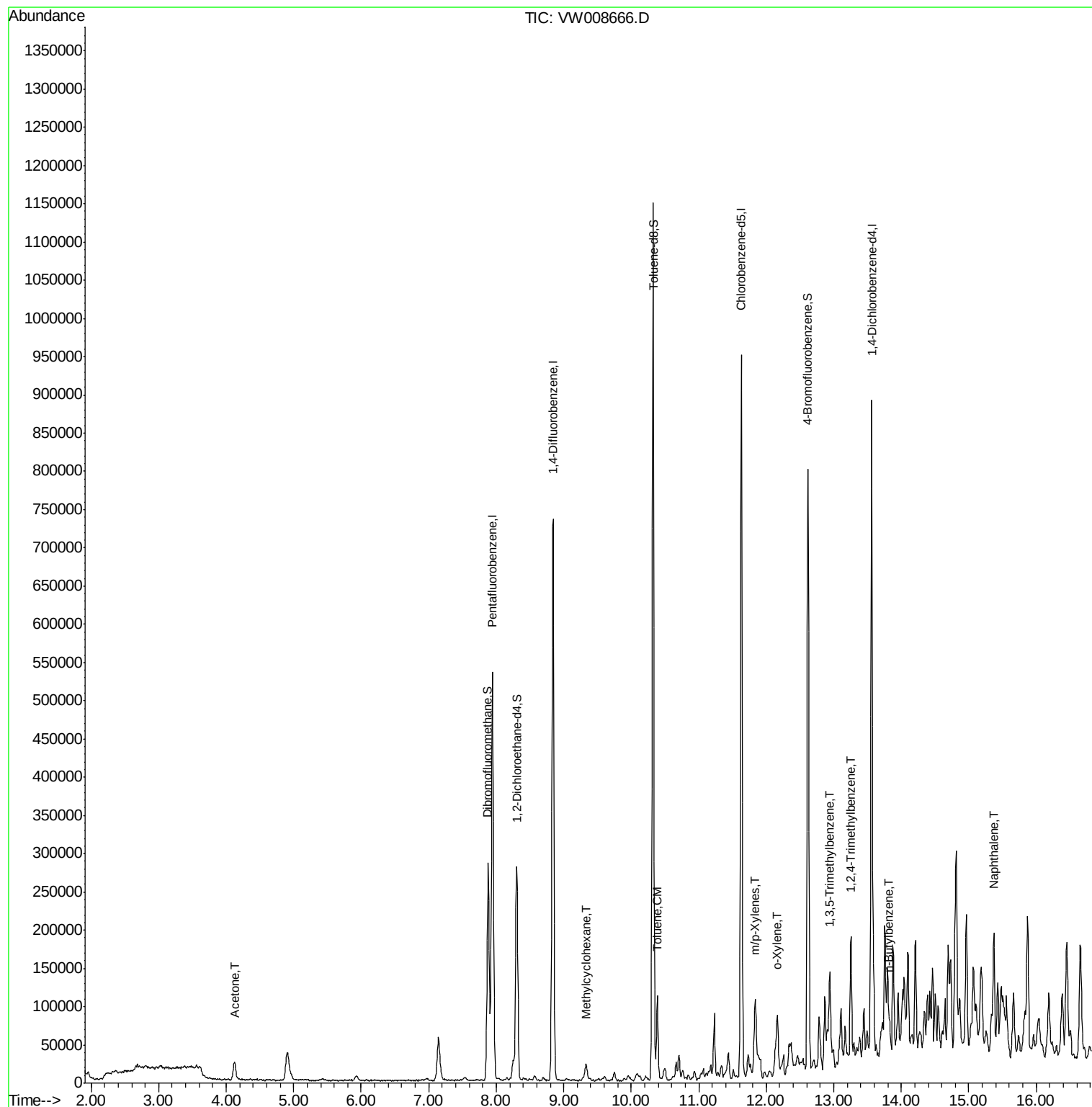
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	41775	43.571	ug/l	93
39) Methylcyclohexane	9.33	83	8094	1.033	ug/l	99
52) Toluene	10.39	92	45616	4.180	ug/l	100
68) m/p-Xylenes	11.84	106	25209	3.254	ug/l	98
69) o-Xylene	12.16	106	17717	2.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	33452	2.530	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	88140	6.485	ug/l	99
89) n-Butylbenzene	13.82	91	19947	1.403	ug/l #	77
95) Naphthalene	15.37	128	120520	14.372	ug/l	99

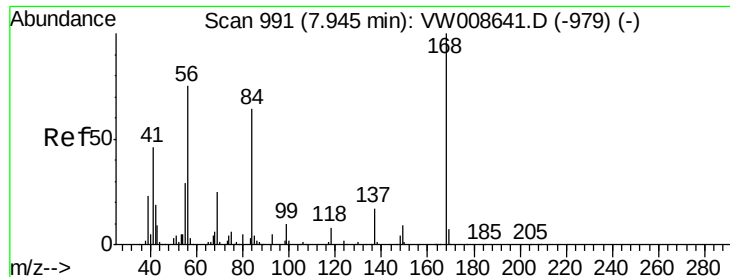
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
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: VW008666.D

Acq: 14 Feb 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

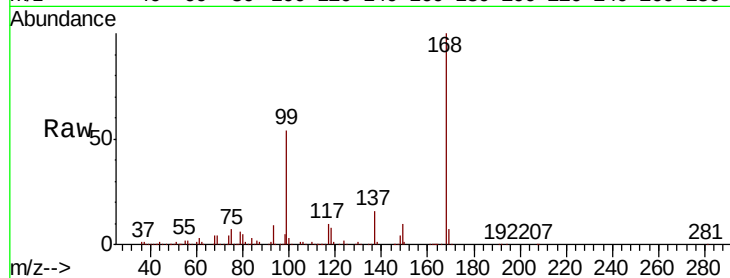
OR-01-021319-A

Tot Ion:168 Resp: 405274

Ion Ratio Lower Upper

168 100

99 54.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

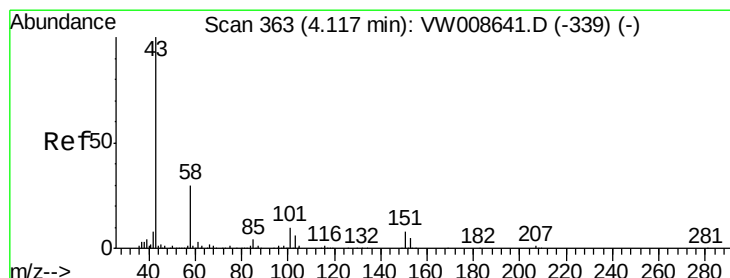
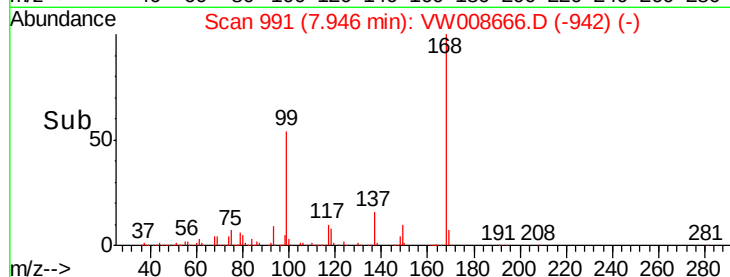
50000

0

7.90

8.00

Time-->



#16

Acetone

Concen: 43.571 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008666.D

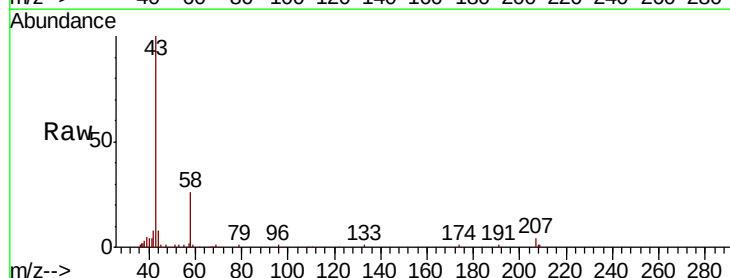
Acq: 14 Feb 2019 15:13

Tgt Ion: 43 Resp: 41775

Ion Ratio Lower Upper

43 100

58 26.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

15000

10000

5000

0

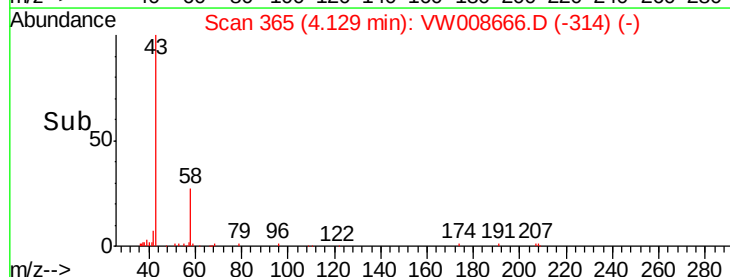
4.05

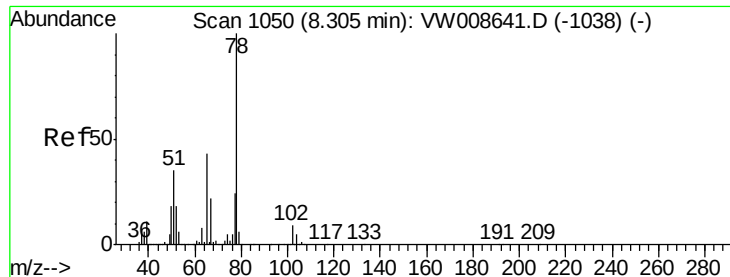
4.10

4.15

4.20

Time-->

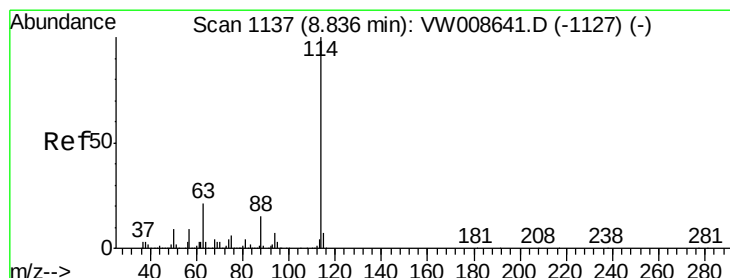
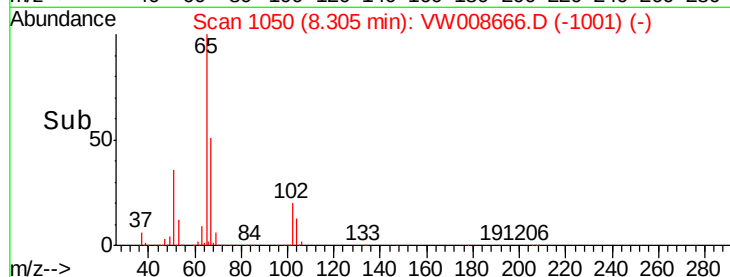
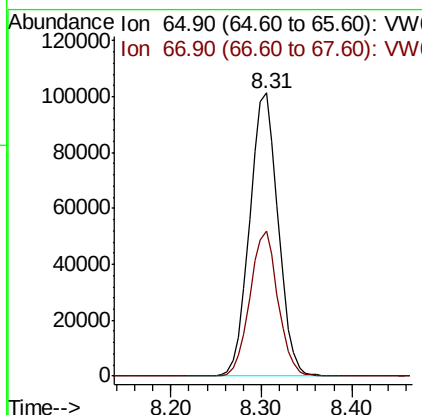
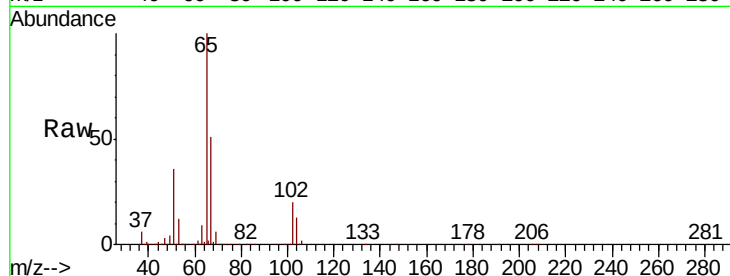




#33
 1,2-Dichloroethane-d4
 Concen: 52.201 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008666.D
 Acq: 14 Feb 2019 15:13

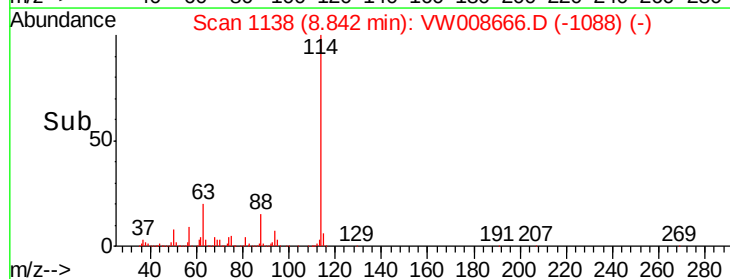
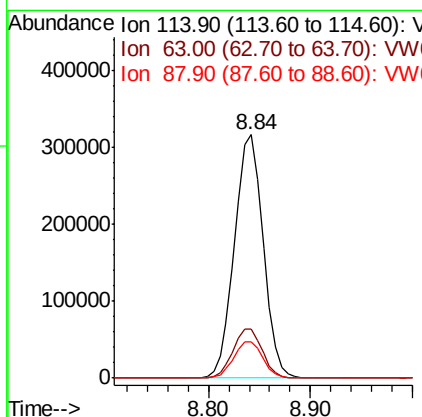
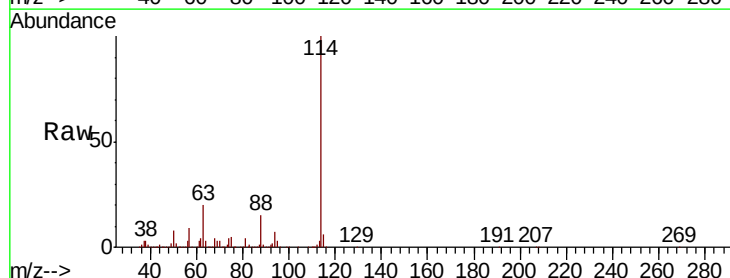
Instrument :
 MSVOA_W
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 OR-01-021319-A

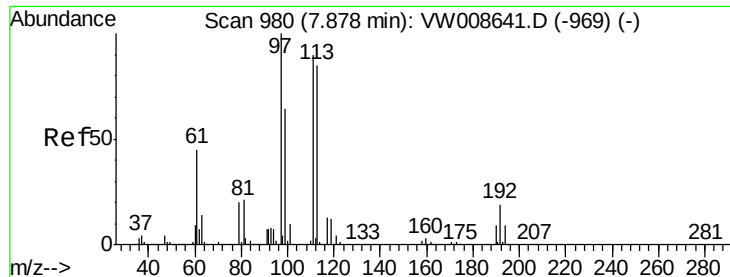
Tot Ion: 65 Resp: 219941
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008666.D
 Acq: 14 Feb 2019 15:13

Tgt Ion: 114 Resp: 616454
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 15.1 0.0 29.6

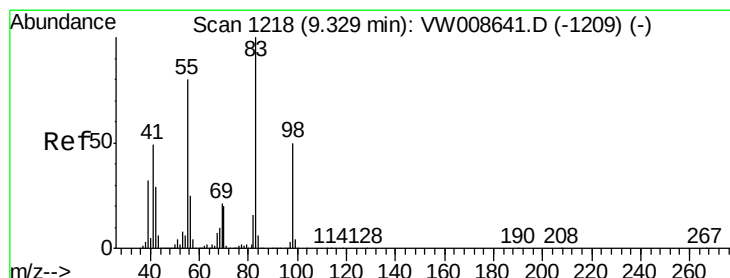
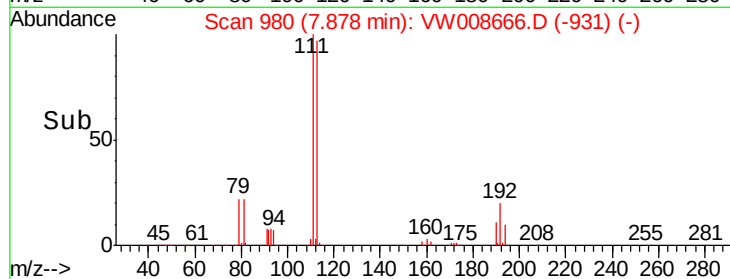
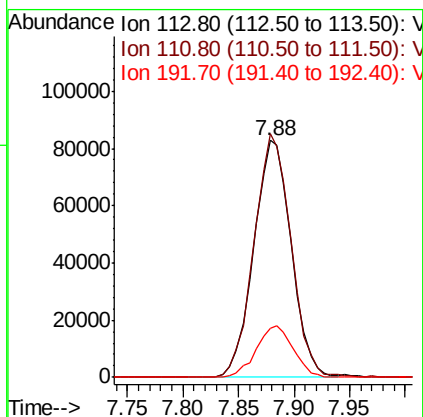
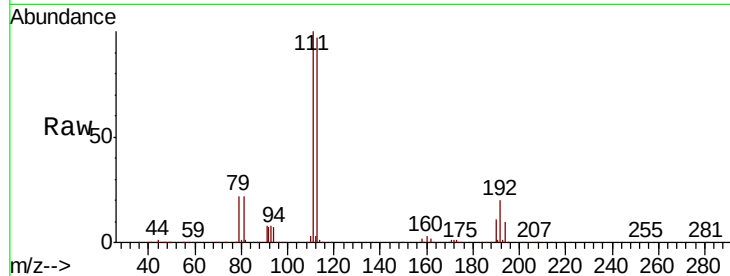




#35
 Dibromofluoromethane
 Concen: 50.642 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008666.D
 Acq: 14 Feb 2019 15:13

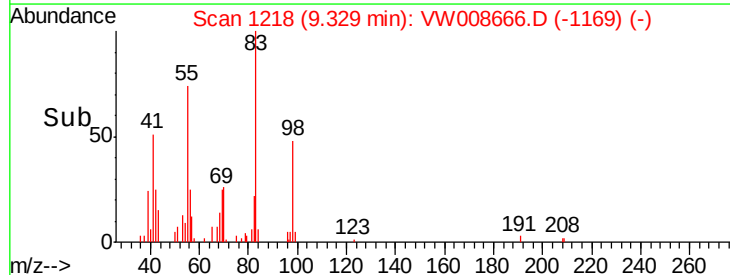
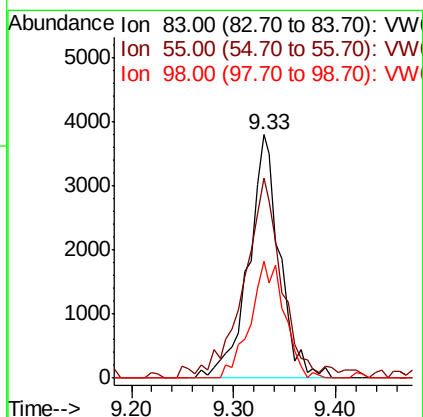
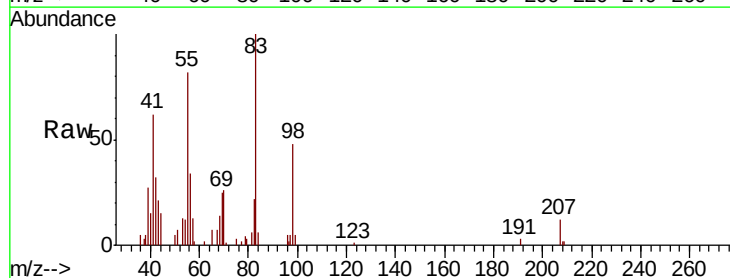
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-01-021319-A

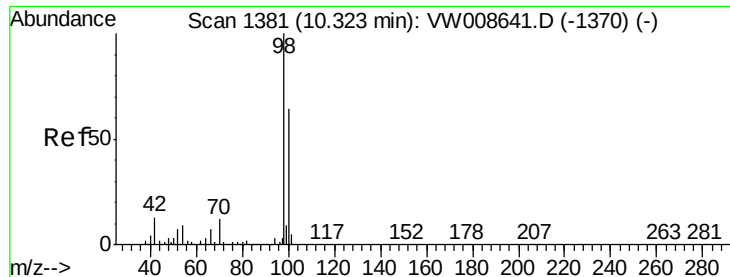
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	84.0	126.0
192	21.4	17.4	26.2



#39
 Methylcyclohexane
 Concen: 1.033 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW008666.D
 Acq: 14 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.1	63.9	95.9
98	47.8	40.2	60.2





#50

Toluene-d8

Concen: 48.734 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008666.D

Acq: 14 Feb 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

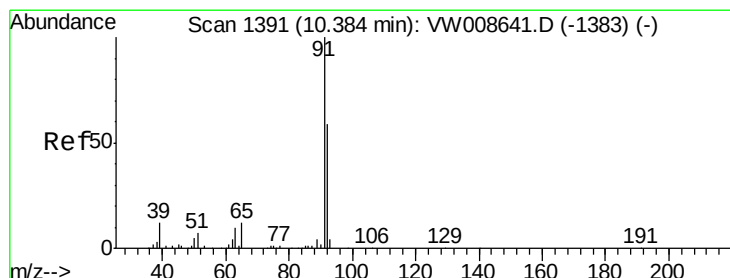
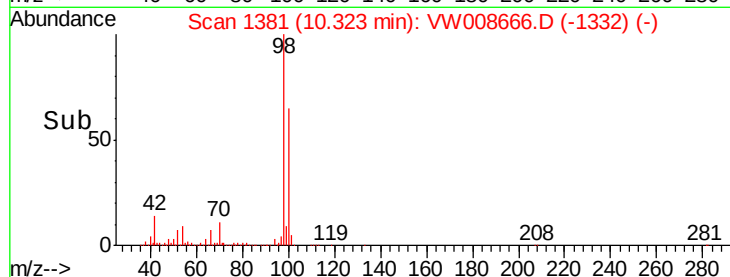
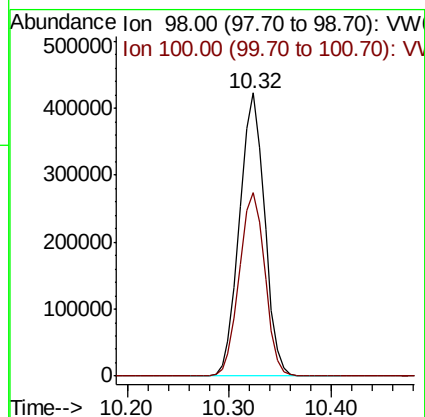
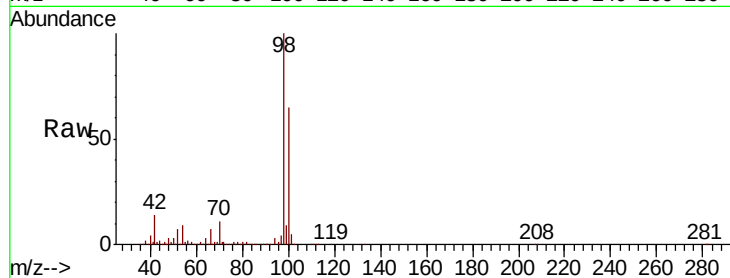
OR-01-021319-A

Tot Ion: 98 Resp: 719099

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4



#52

Toluene

Concen: 4.180 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008666.D

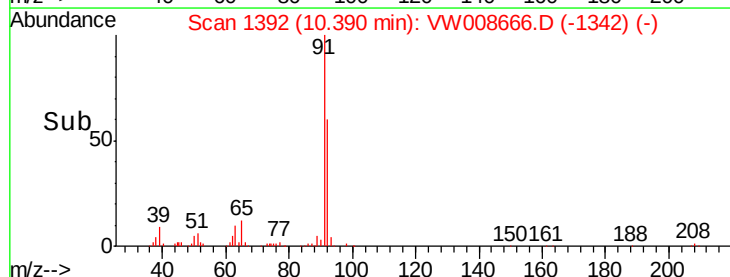
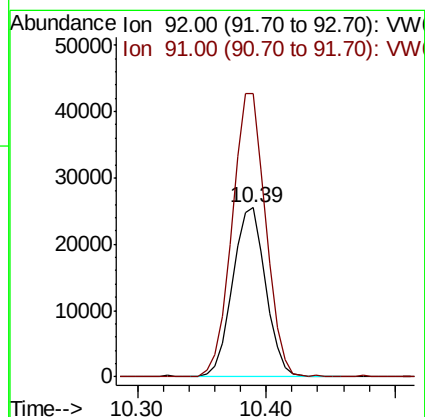
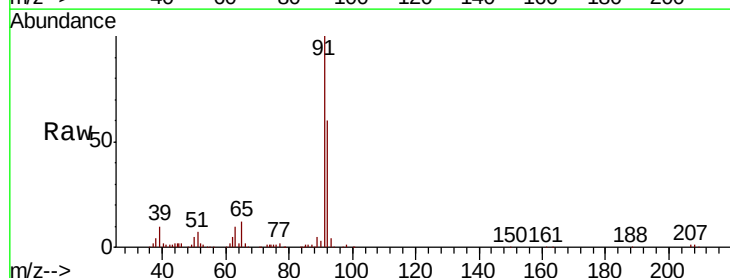
Acq: 14 Feb 2019 15:13

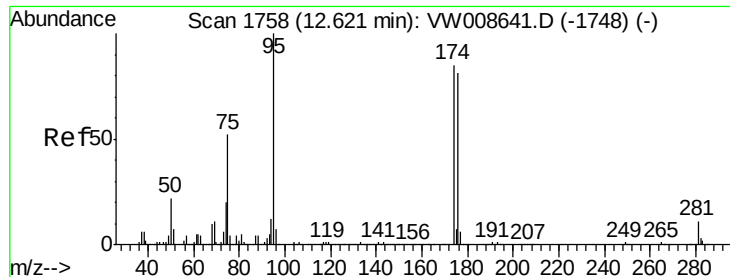
Tgt Ion: 92 Resp: 45616

Ion Ratio Lower Upper

92 100

91 169.7 135.8 203.6





#62

4-Bromofluorobenzene

Concen: 42.692 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008666.D

Acq: 14 Feb 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

OR-01-021319-A

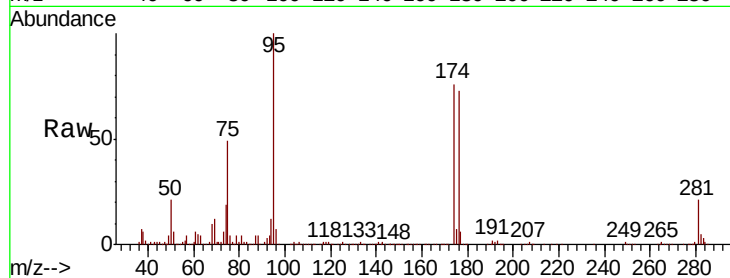
Tot Ion: 95 Resp: 237283

Ion Ratio Lower Upper

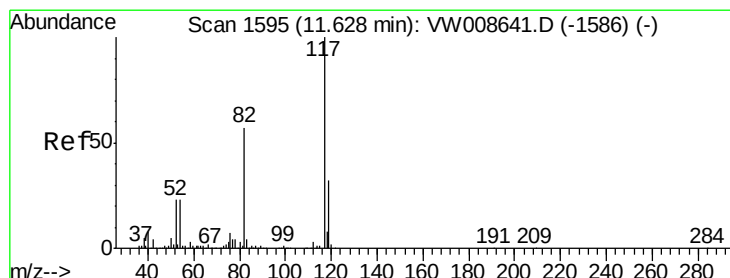
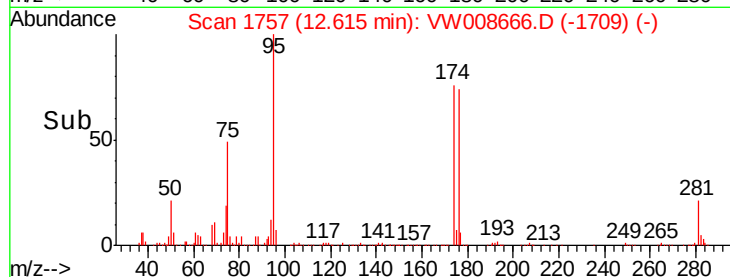
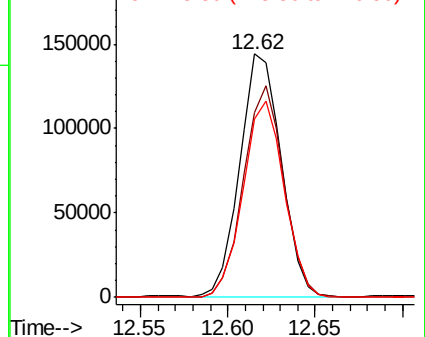
95 100

174 84.6 0.0 163.2

176 80.4 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW008666.D

Acq: 14 Feb 2019 15:13

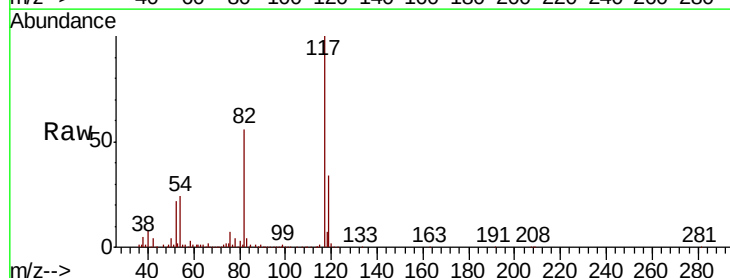
Tgt Ion: 117 Resp: 518555

Ion Ratio Lower Upper

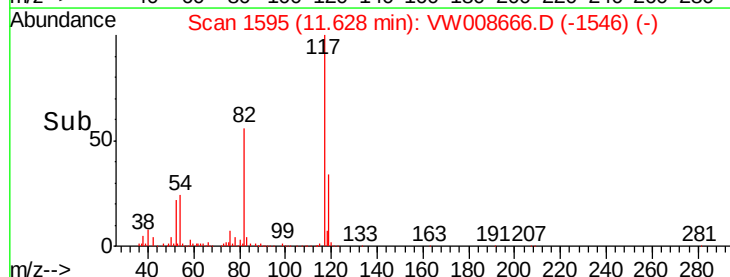
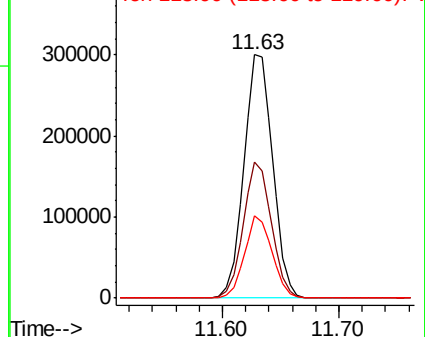
117 100

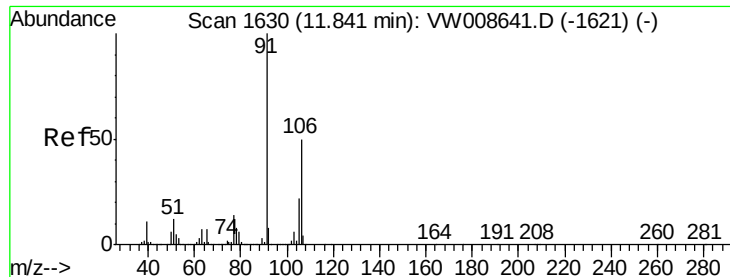
82 55.5 45.6 68.4

119 33.6 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW

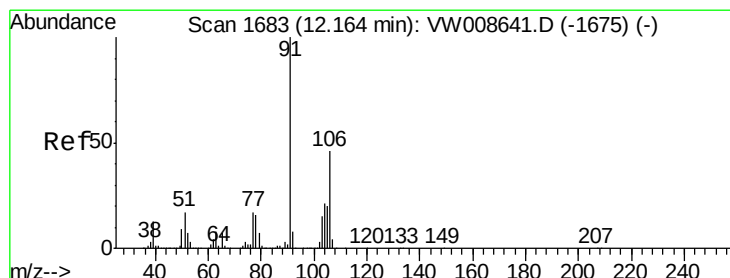
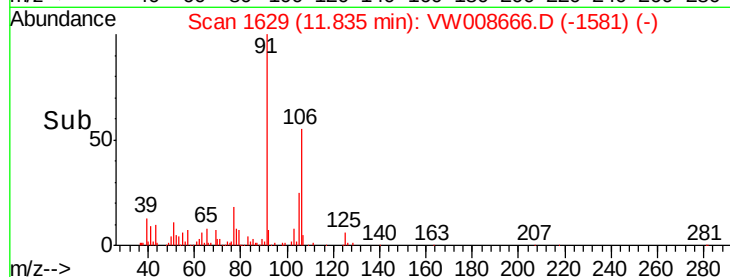
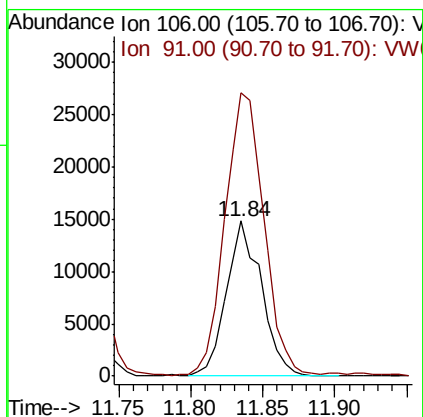
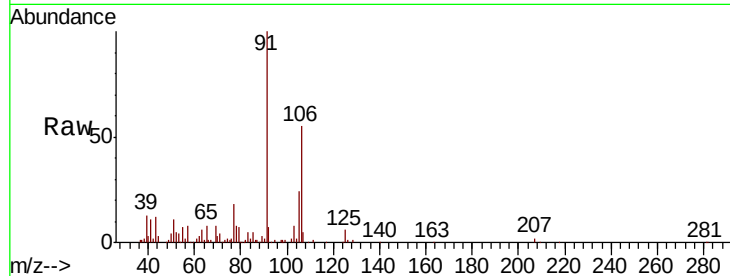




#68
m/p-Xylenes
Concen: 3.254 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008666.D
Acq: 14 Feb 2019 15:13

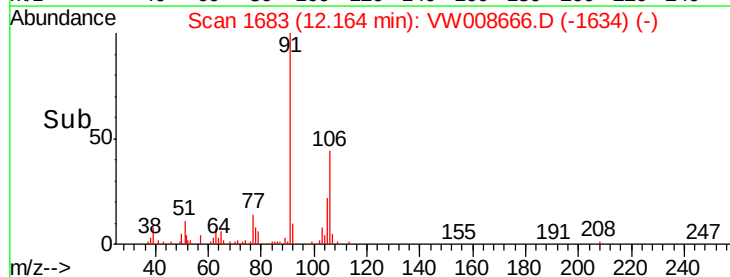
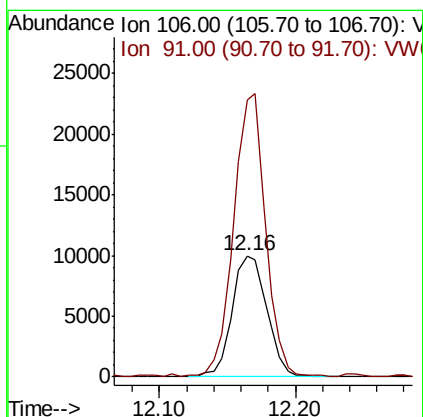
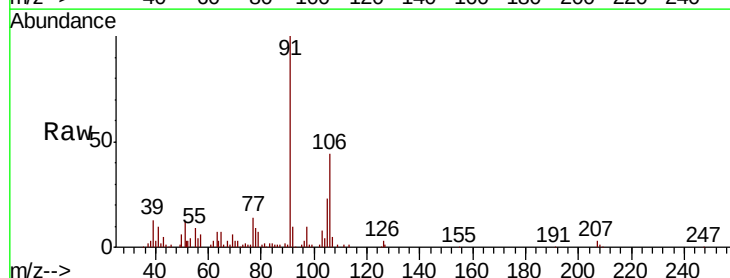
Instrument :
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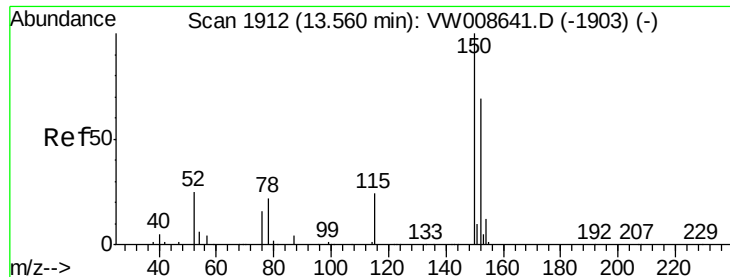
Tot Ion:106 Resp: 25209
Ion Ratio Lower Upper
106 100
91 203.5 161.0 241.4



#69
o-Xylene
Concen: 2.420 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008666.D
Acq: 14 Feb 2019 15:13

Tgt Ion:106 Resp: 17717
Ion Ratio Lower Upper
106 100
91 215.7 106.7 320.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008666.D

Acq: 14 Feb 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

OR-01-021319-A

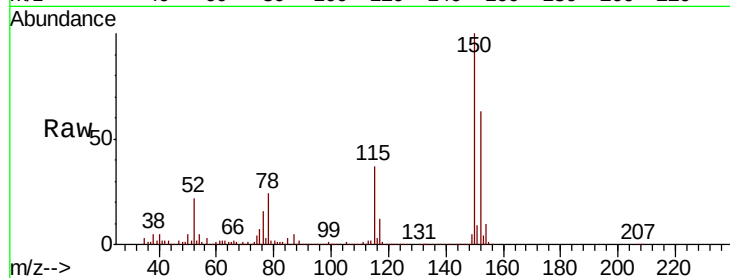
Tot Ion:152 Resp: 213747

Ion Ratio Lower Upper

152 100

115 58.1 29.3 87.8

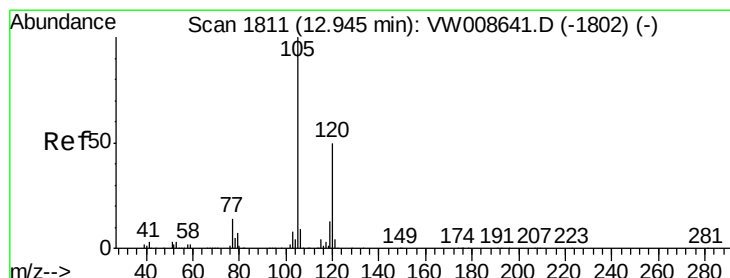
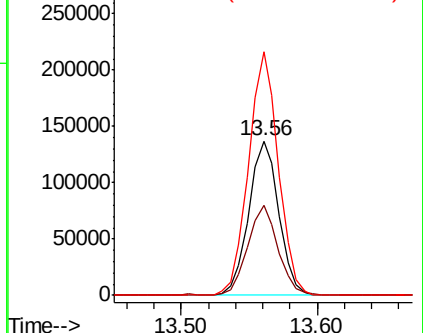
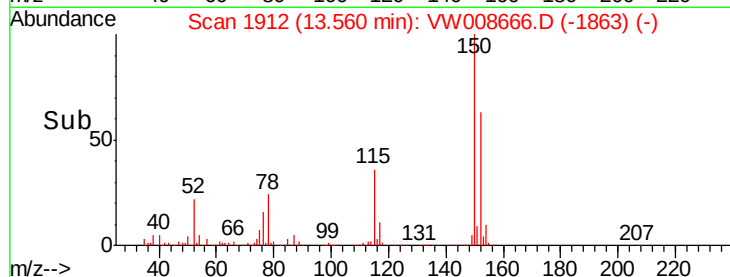
150 155.2 0.0 352.8



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: 2.530 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008666.D

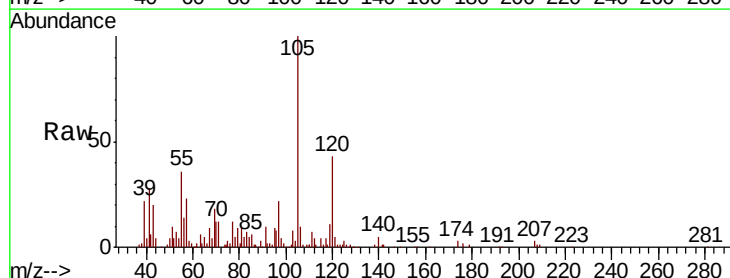
Acq: 14 Feb 2019 15:13

Tgt Ion:105 Resp: 33452

Ion Ratio Lower Upper

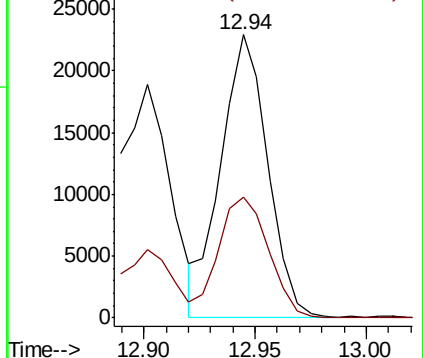
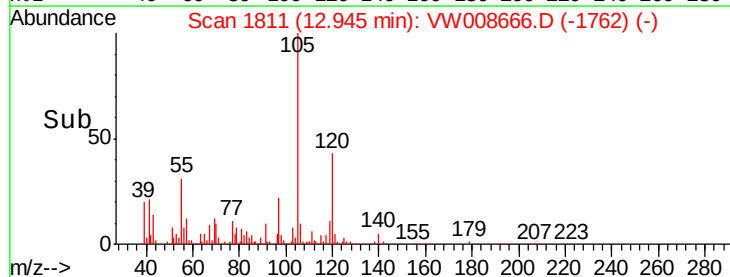
105 100

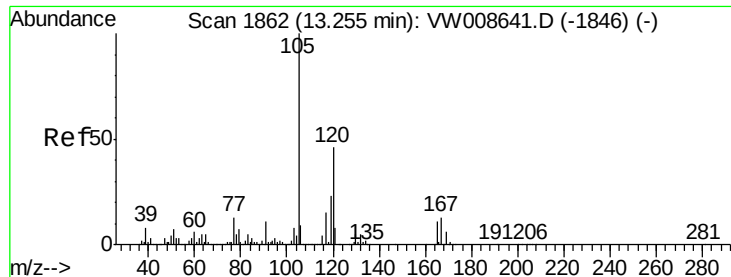
120 45.8 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 6.485 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008666.D

Acq: 14 Feb 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

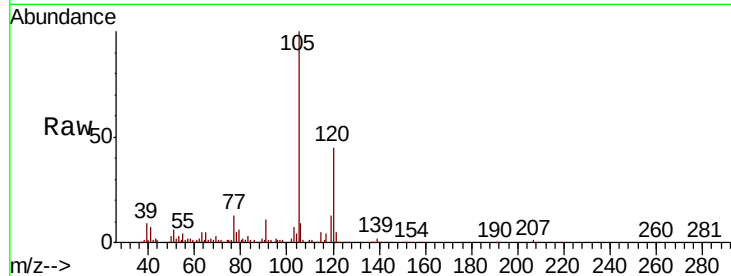
OR-01-021319-A

Tot Ion:105 Resp: 88140

Ion Ratio Lower Upper

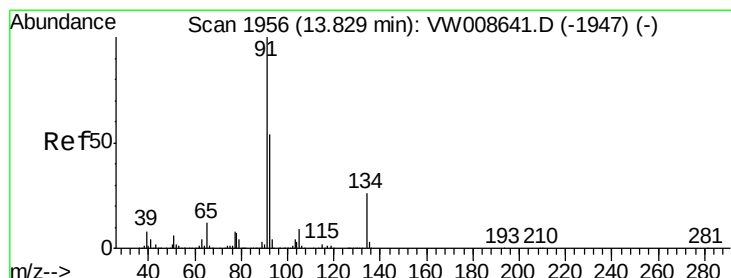
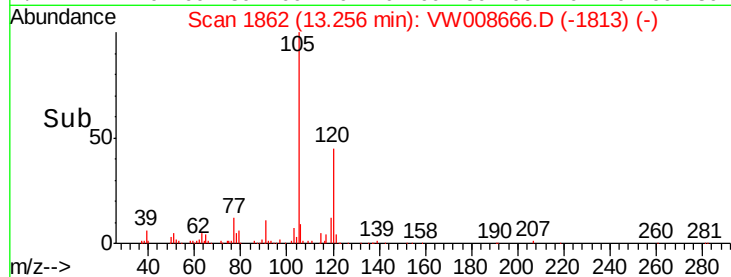
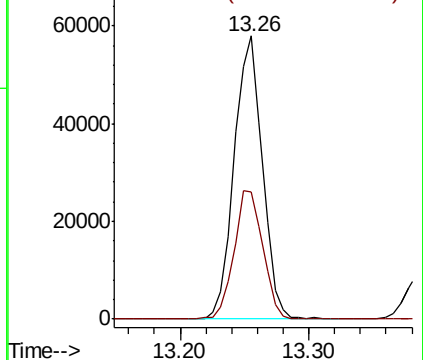
105 100

120 46.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 1.403 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW008666.D

Acq: 14 Feb 2019 15:13

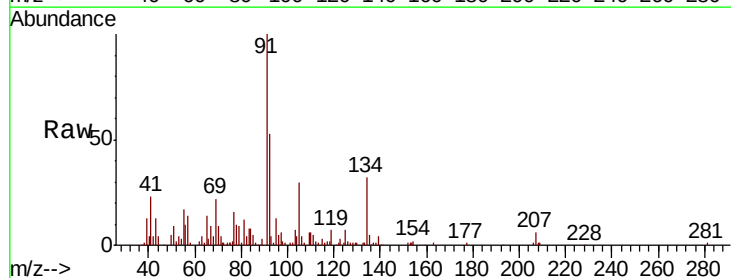
Tgt Ion: 91 Resp: 19947

Ion Ratio Lower Upper

91 100

92 59.8 26.8 80.4

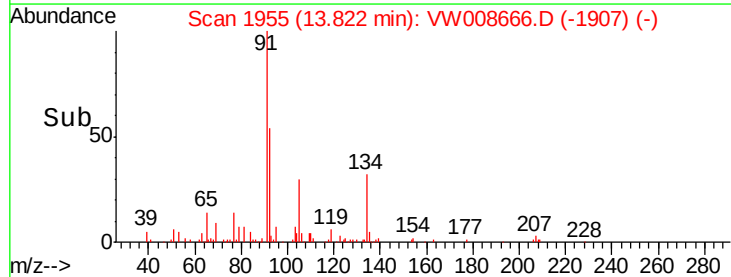
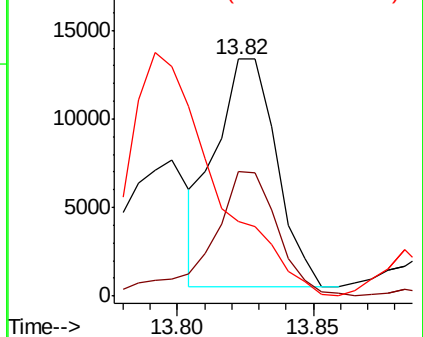
134 0.0 13.0 39.0#

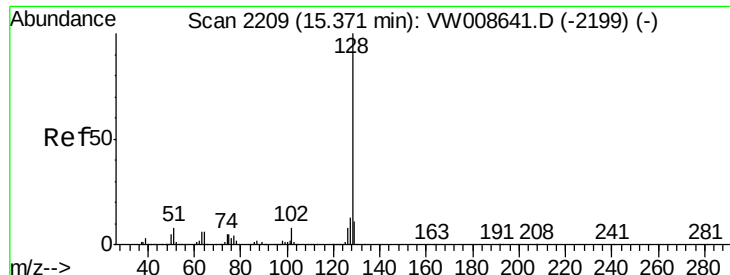


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 14.372 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008666.D

Acq: 14 Feb 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

OR-01-021319-A

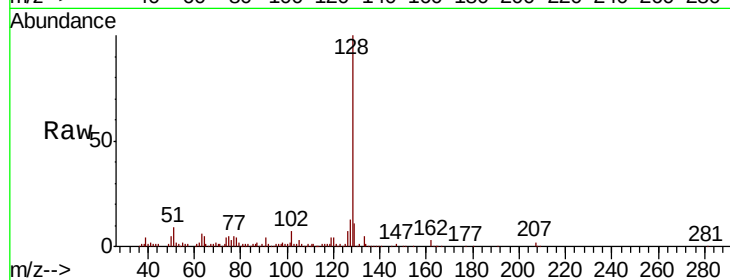
Tot Ion:128 Resp: 120520

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

129 11.1 8.7 13.1



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

