

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091018\
 Data File : VW005250.D
 Acq On : 10 Sep 2018 19:37
 Operator : SY/AP
 Sample : J4802-01
 Misc : 15.72G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-01-54.5-55.0

Quant Time: Sep 11 04:12:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	11378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	19132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	17434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	5829	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	6093	71.80	ug/l	0.00
Spiked Amount			Recovery	=	143.60%	
35) Dibromofluoromethane	7.90	113	4761	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
50) Toluene-d8	10.34	98	26901	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.62	95	12928	69.79	ug/l	0.00
Spiked Amount			Recovery	=	139.58%	

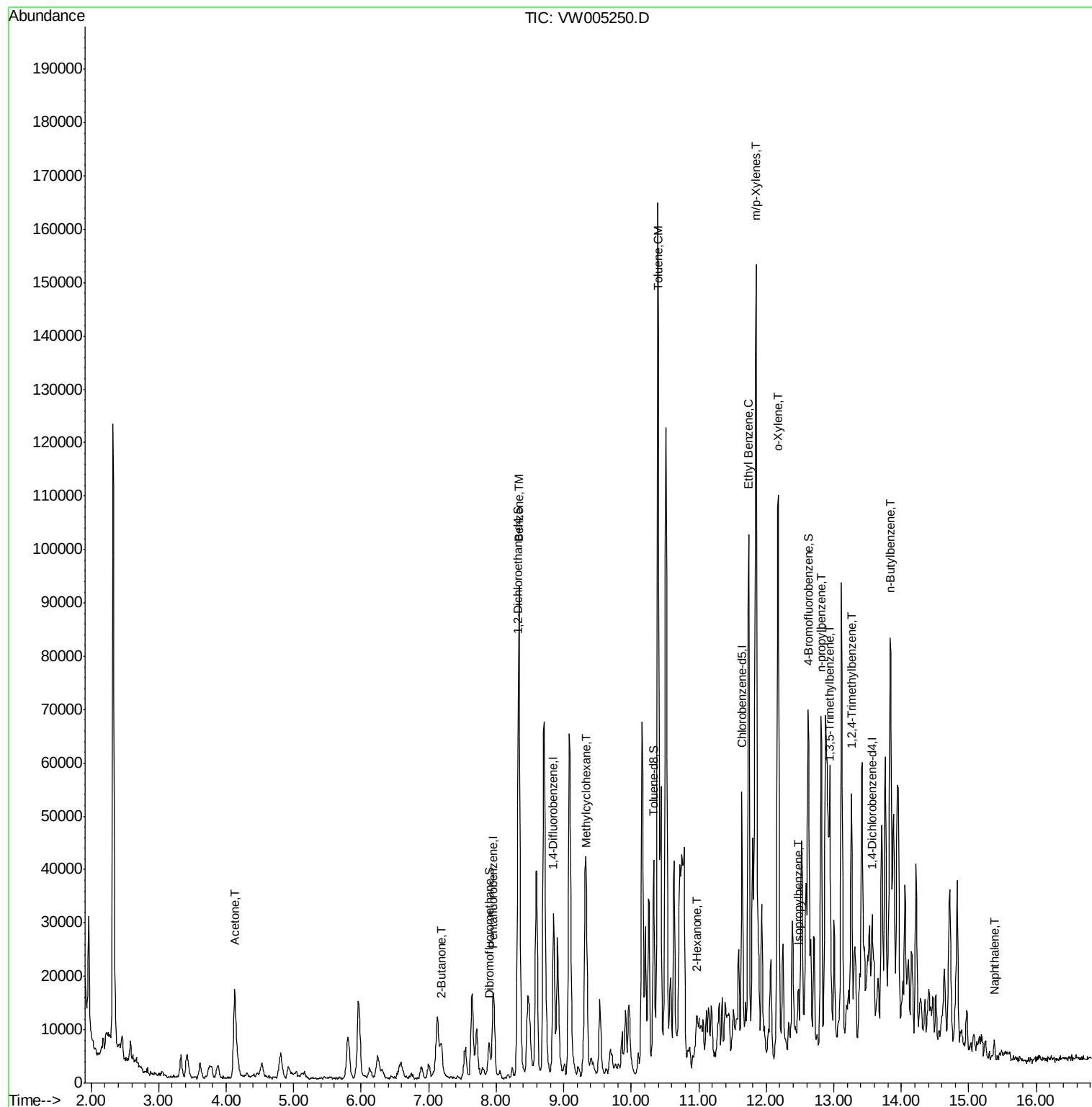
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	30232	1919.23	ug/l	94
25) 2-Butanone	7.18	43	12114	487.55	ug/l #	88
39) Methylcyclohexane	9.34	83	3716	15.97	ug/l #	1
40) Benzene	8.34	78	99953	193.56	ug/l	99
52) Toluene	10.40	92	71762	191.21	ug/l	95
59) 2-Hexanone	10.98	43	5019	99.92	ug/l	84
67) Ethyl Benzene	11.74	91	63804	95.93	ug/l	100
68) m/p-Xylenes	11.84	106	21867	81.59	ug/l	100
69) o-Xylene	12.18	106	28099	112.69	ug/l	100
73) Isopropylbenzene	12.47	105	4518	10.97	ug/l	94
78) n-propylbenzene	12.81	91	45108	91.19	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	5263	15.01	ug/l	92
84) 1,2,4-Trimethylbenzene	13.26	105	19858	56.35	ug/l	98
89) n-Butylbenzene	13.83	91	27113	73.91	ug/l	93
95) Naphthalene	15.38	128	2777	13.52	ug/l #	91

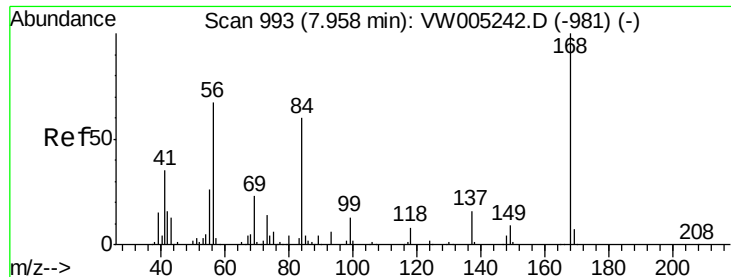
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005250.D

Acq: 10 Sep 2018 19:37

Instrument :

MSVOA_W

ClientSampleId :

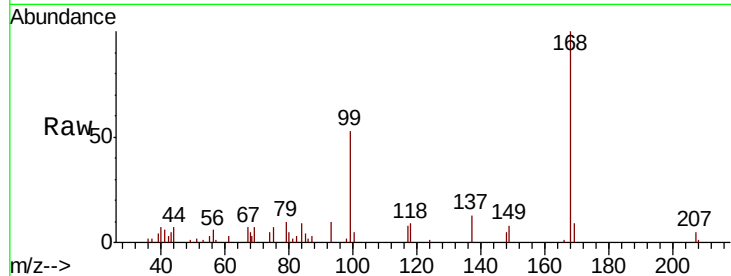
ENY-SB-01-54.5-55.0

Tot Ion:168 Resp: 11378

Ion Ratio Lower Upper

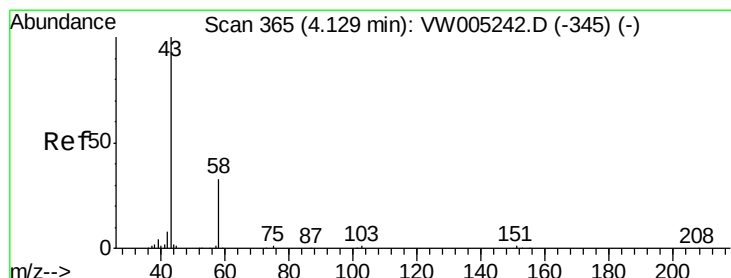
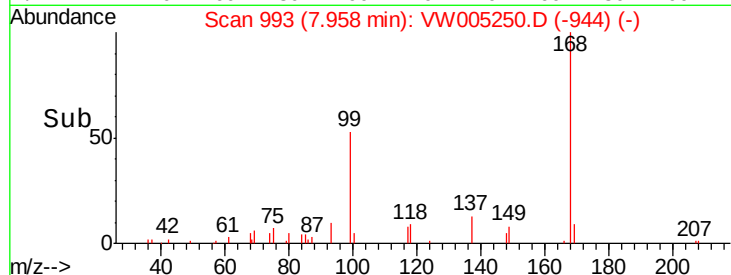
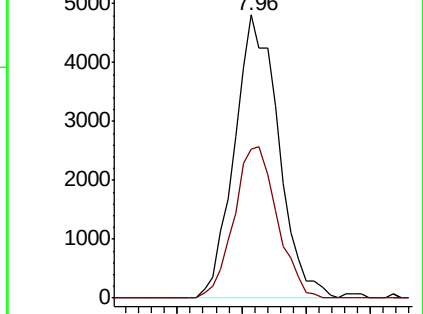
168 100

99 52.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 1919.23 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005250.D

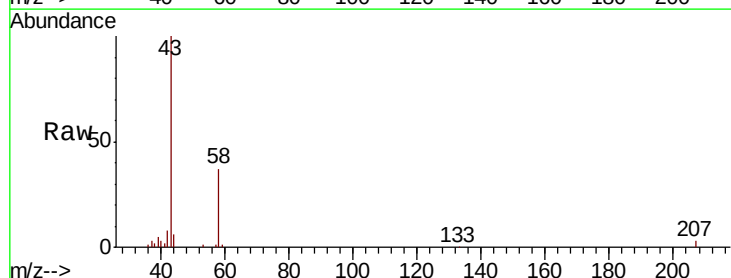
Acq: 10 Sep 2018 19:37

Tgt Ion: 43 Resp: 30232

Ion Ratio Lower Upper

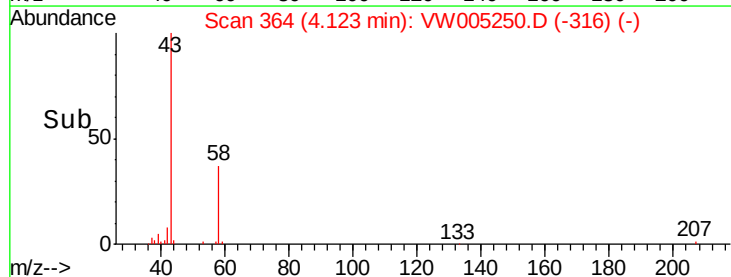
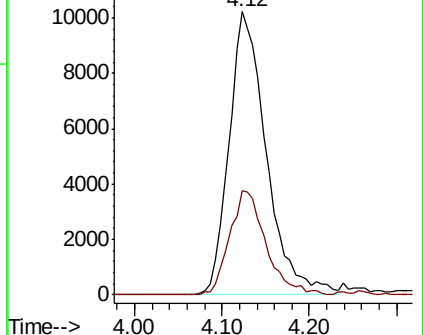
43 100

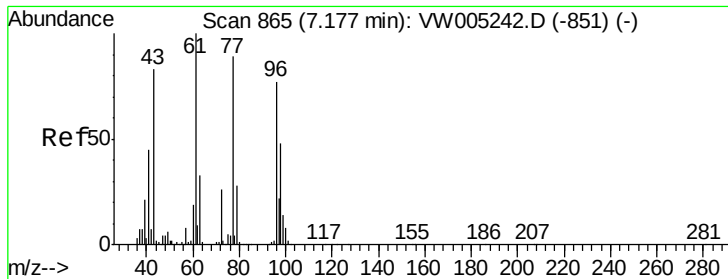
58 36.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 487.55 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005250.D

Acq: 10 Sep 2018 19:37

Instrument :

MSVOA_W

ClientSampleId :

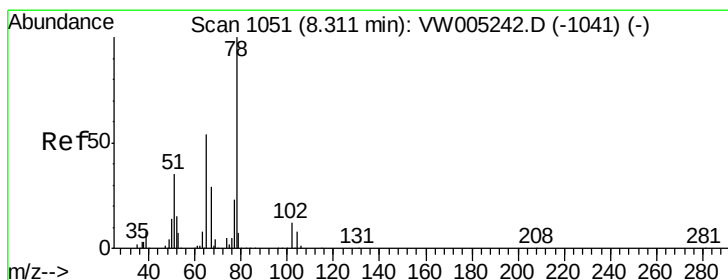
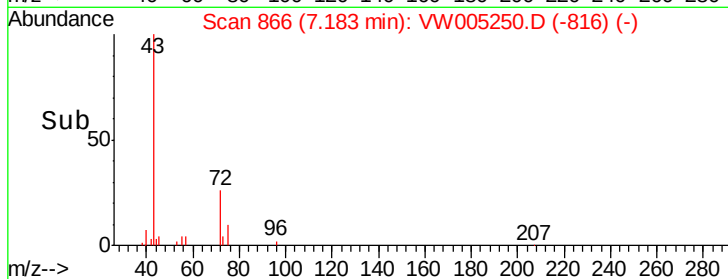
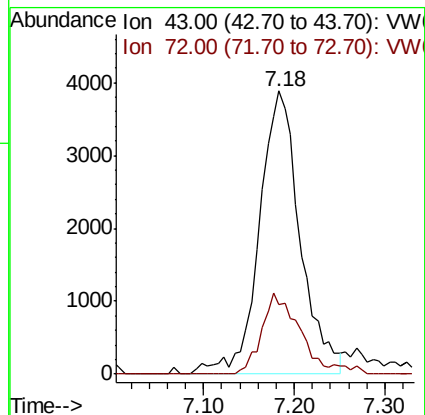
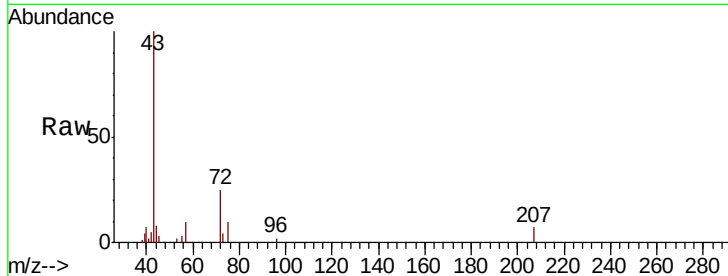
ENY-SB-01-54.5-55.0

Tot Ion: 43 Resp: 12114

Ion Ratio Lower Upper

43 100

72 24.5 25.0 37.6#



#33

1,2-Dichloroethane-d4

Concen: 71.80 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW005250.D

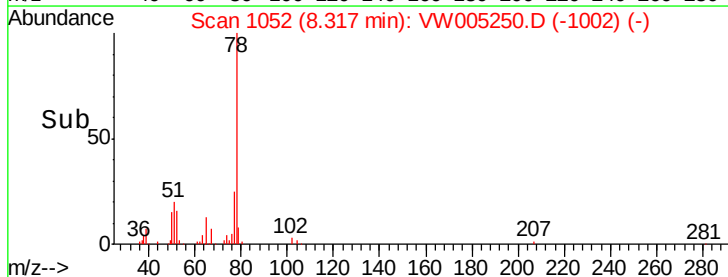
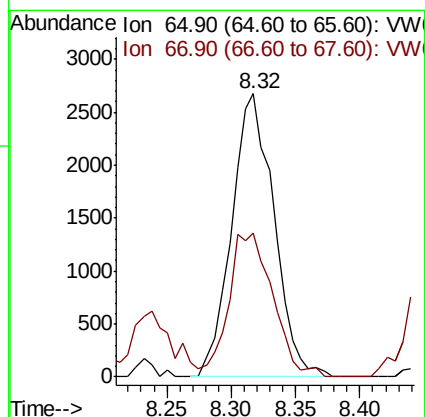
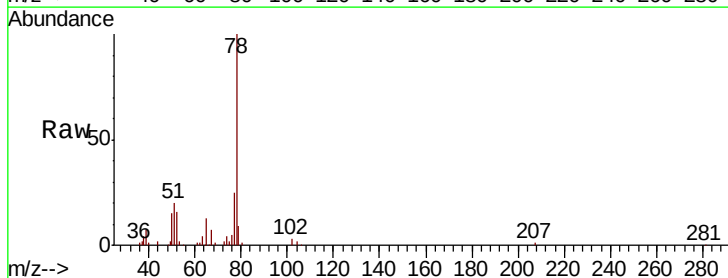
Acq: 10 Sep 2018 19:37

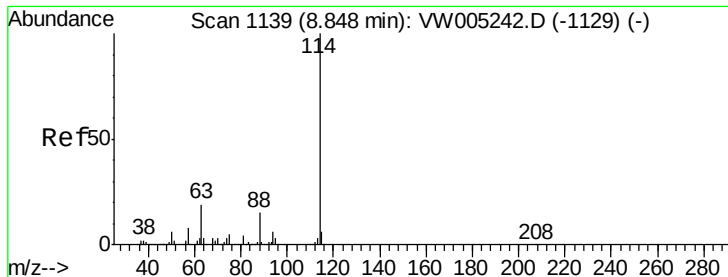
Tgt Ion: 65 Resp: 6093

Ion Ratio Lower Upper

65 100

67 53.2 0.0 112.2

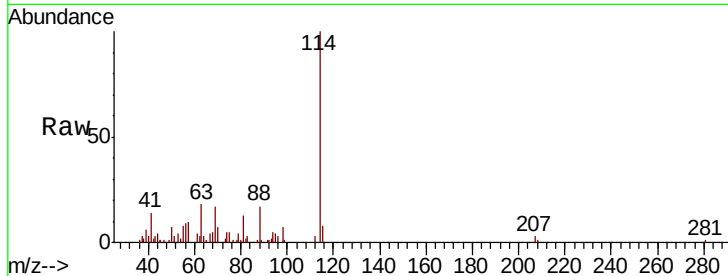




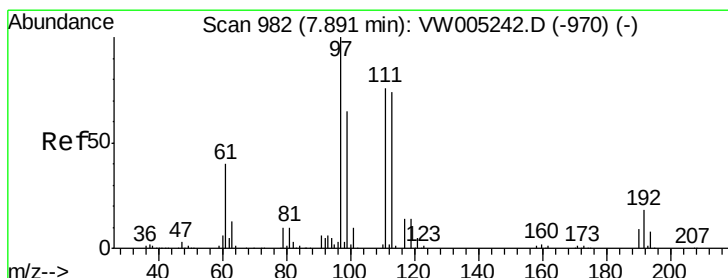
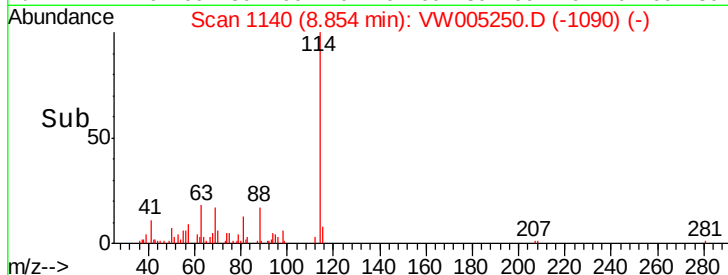
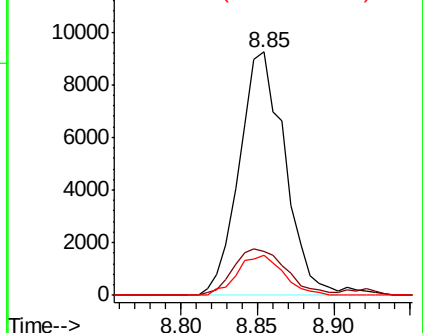
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005250.D
 Acq: 10 Sep 2018 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-01-54.5-55.0

Tot Ion:114 Resp: 19132
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.0
 88 16.7 0.0 30.4

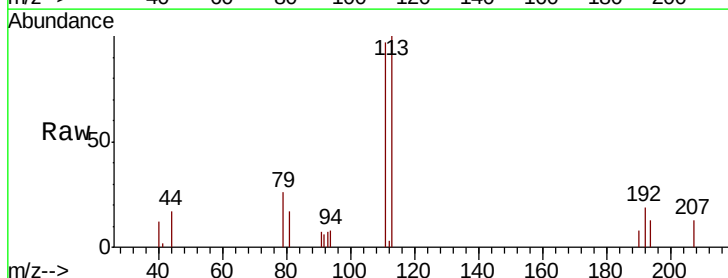


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

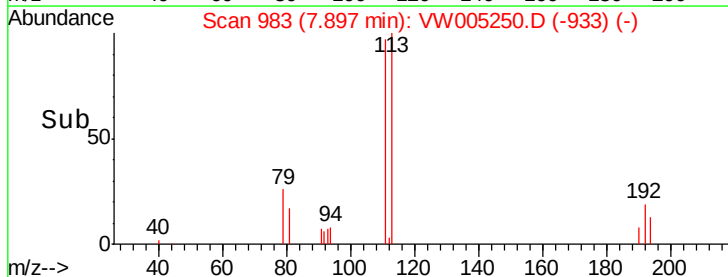
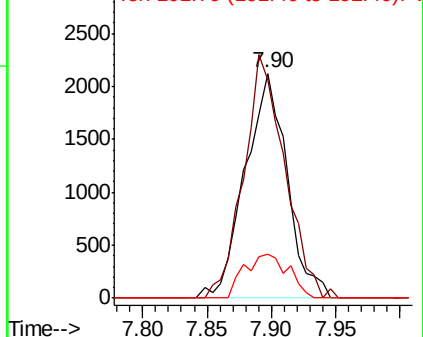


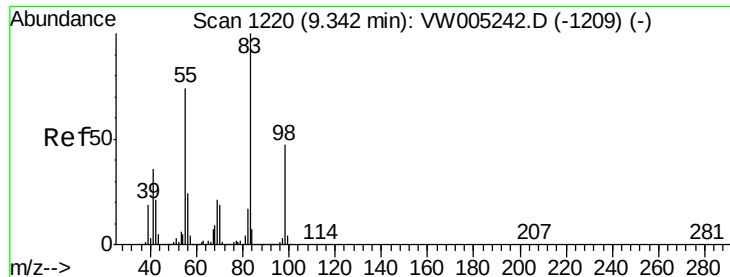
#35
 Dibromofluoromethane
 Concen: 47.51 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005250.D
 Acq: 10 Sep 2018 19:37

Tgt Ion:113 Resp: 4761
 Ion Ratio Lower Upper
 113 100
 111 106.0 80.6 121.0
 192 20.6 18.3 27.5



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

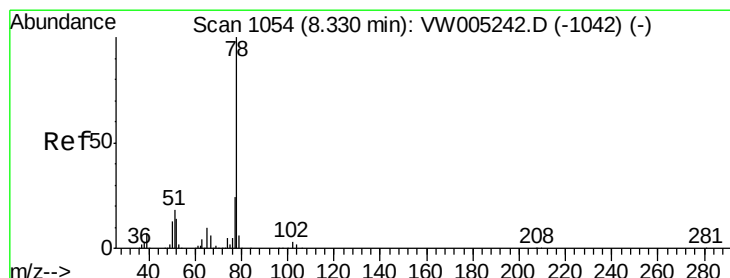
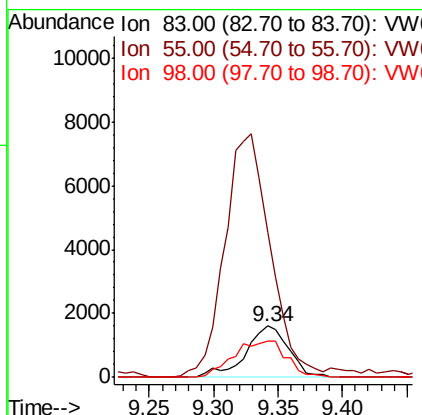
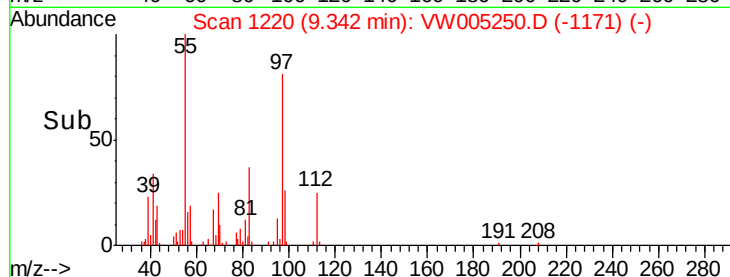
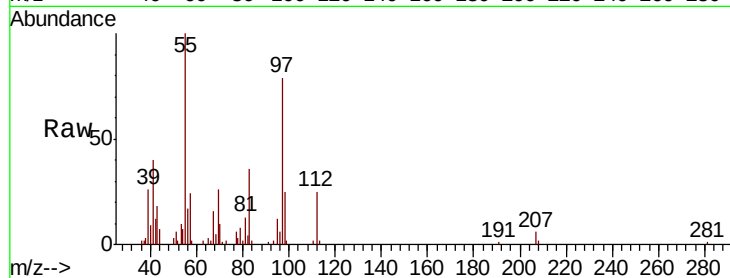




#39
Methvlcvclohexane
Concen: 15.97 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005250.D
Acq: 10 Sep 2018 19:37

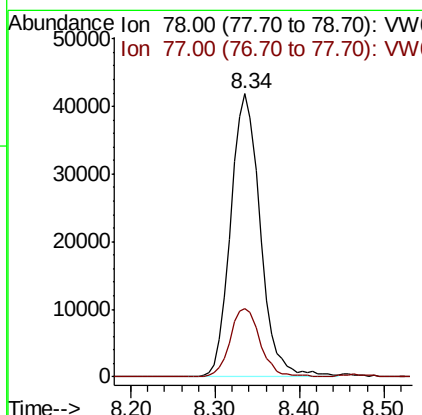
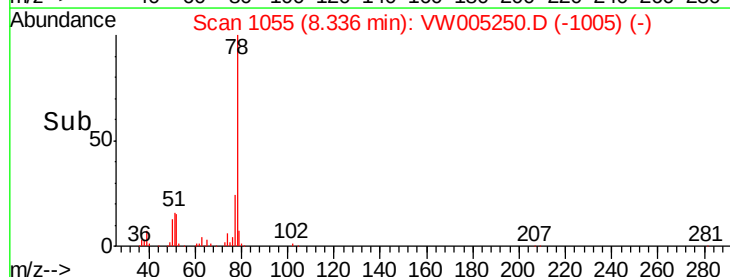
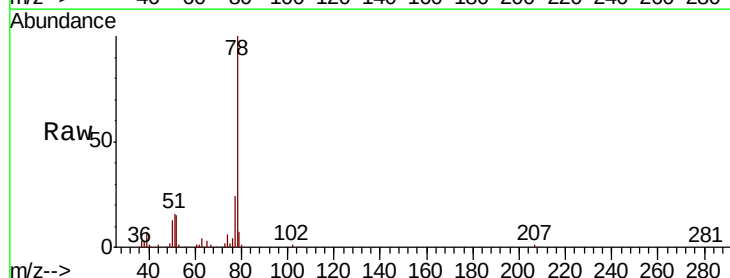
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-01-54.5-55.0

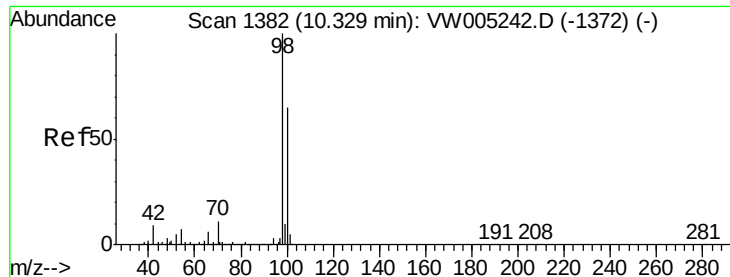
Tot Ion: 83 Resp: 3716
Ion Ratio Lower Upper
83 100
55 267.2 58.9 88.3#
98 70.3 37.6 56.4#



#40
Benzene
Concen: 193.56 ug/l
RT: 8.34 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VW005250.D
Acq: 10 Sep 2018 19:37

Tgt Ion: 78 Resp: 99953
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3





#50

Toluene-d8

Concen: 53.12 ug/l

RT: 10.34 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VW005250.D

Acq: 10 Sep 2018 19:37

Instrument :

MSVOA_W

ClientSampleId :

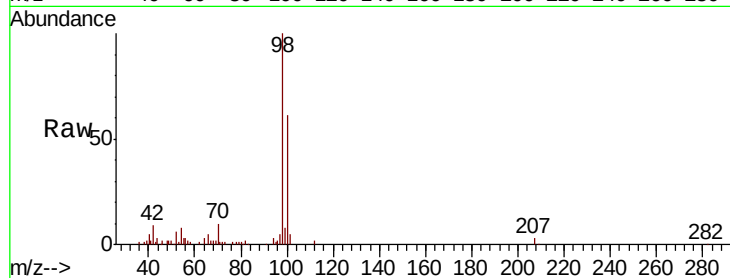
ENY-SB-01-54.5-55.0

Tot Ion: 98 Resp: 26901

Ion Ratio Lower Upper

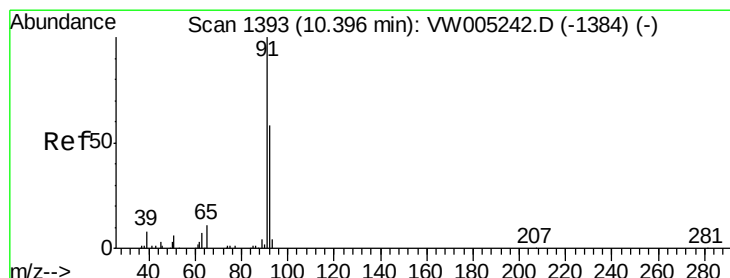
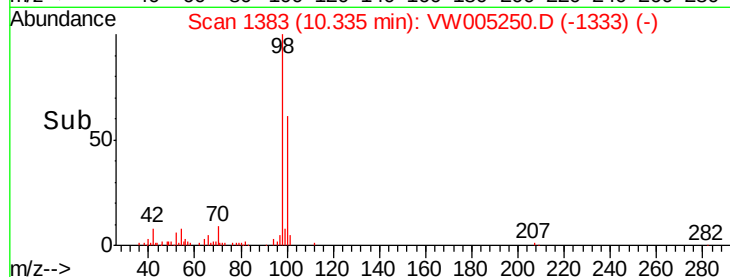
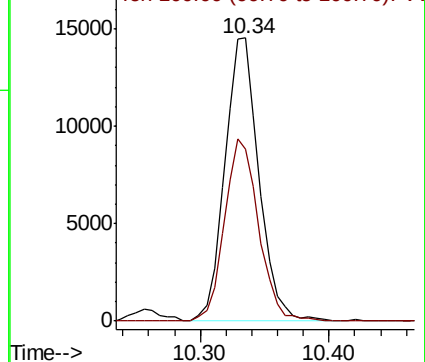
98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 191.21 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005250.D

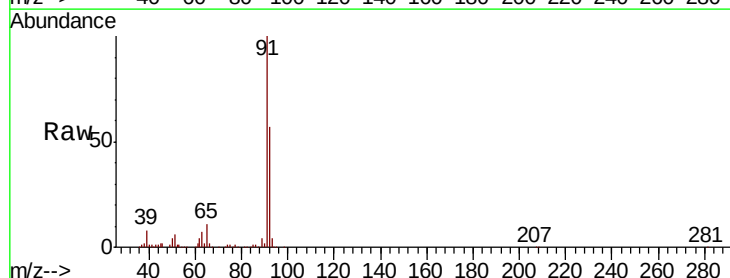
Acq: 10 Sep 2018 19:37

Tgt Ion: 92 Resp: 71762

Ion Ratio Lower Upper

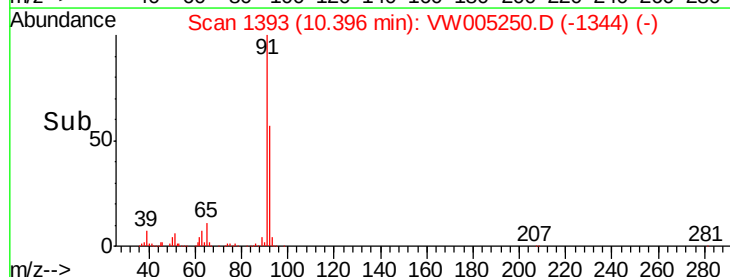
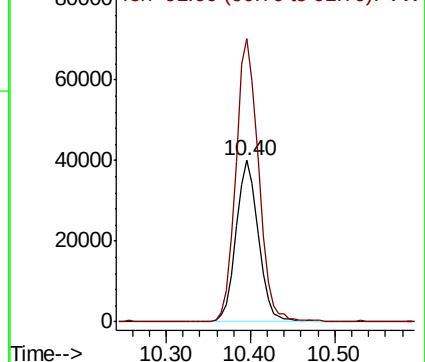
92 100

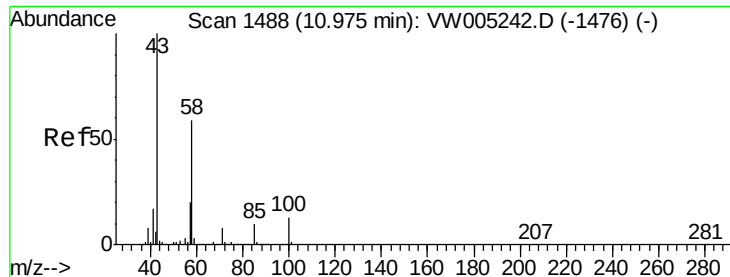
91 178.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

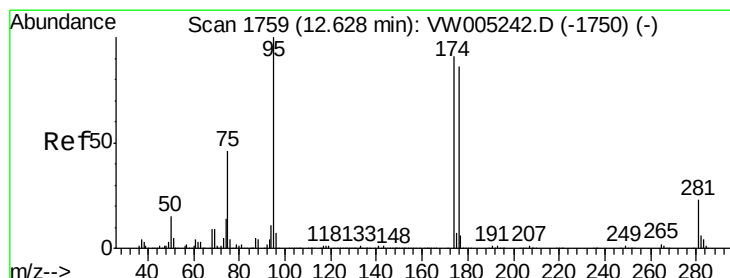
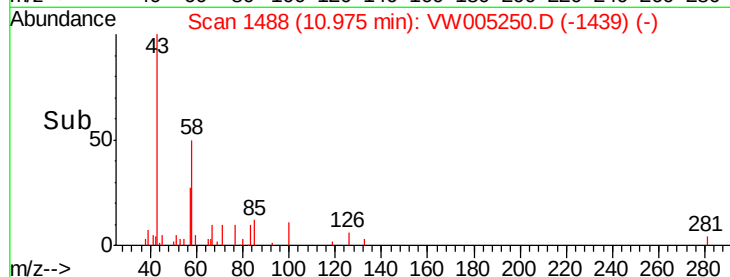
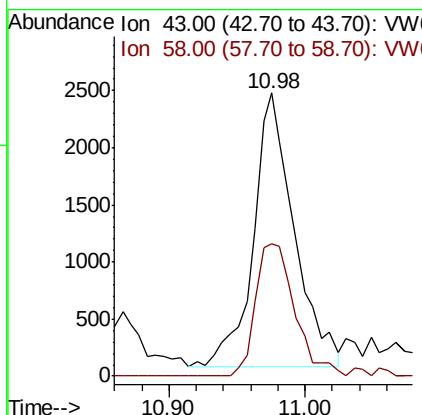
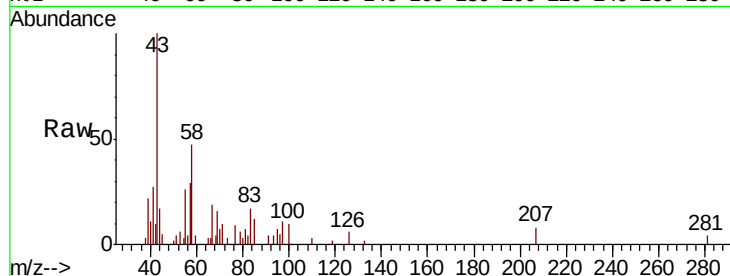




#59
2-Hexanone
Concen: 99.92 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005250.D
Acq: 10 Sep 2018 19:37

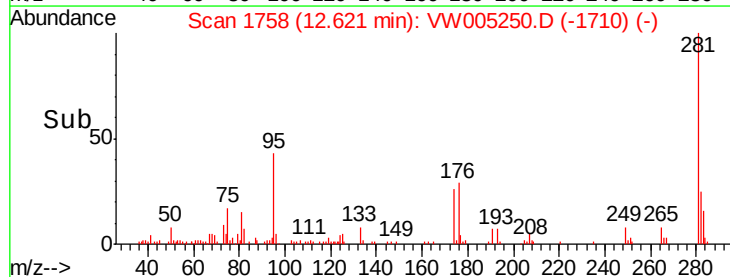
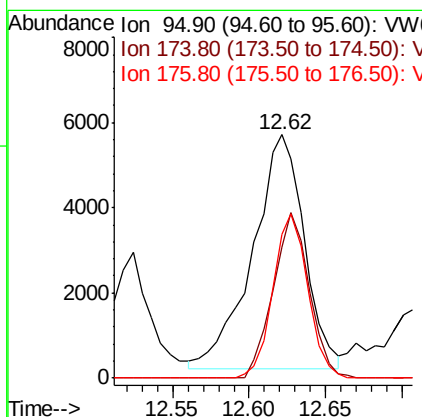
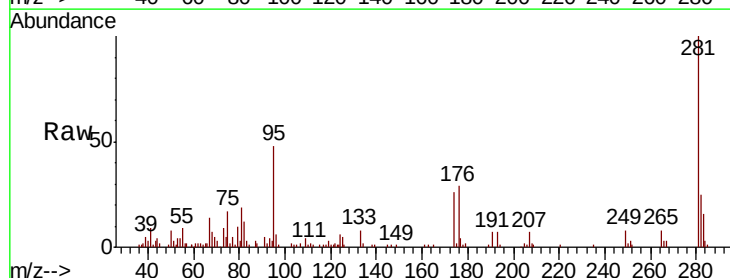
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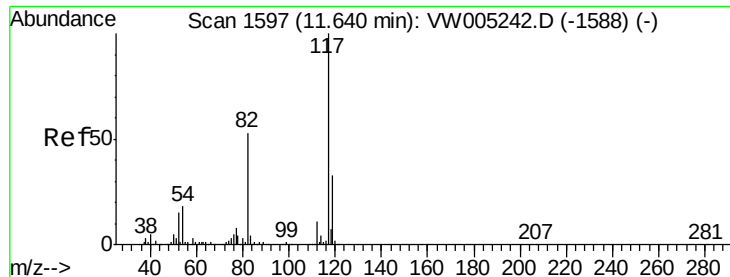
Tot Ion: 43 Resp: 5019
Ion Ratio Lower Upper
43 100
58 46.6 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 69.79 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.01 min
Lab File: VW005250.D
Acq: 10 Sep 2018 19:37

Tgt Ion: 95 Resp: 12928
Ion Ratio Lower Upper
95 100
174 49.0 0.0 174.6
176 47.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005250.D

Acq: 10 Sep 2018 19:37

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-01-54.5-55.0

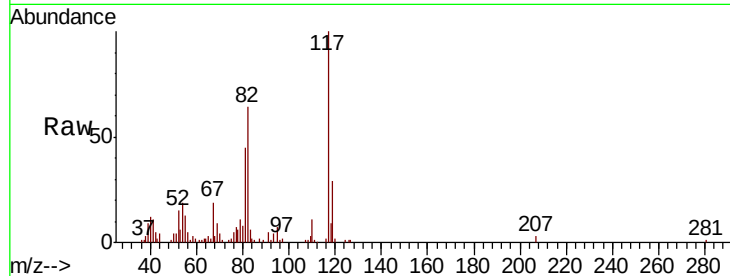
Tot Ion:117 Resp: 17434

Ion Ratio Lower Upper

117 100

82 62.8 42.6 63.8

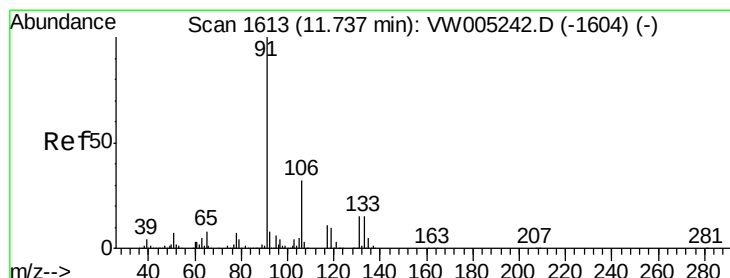
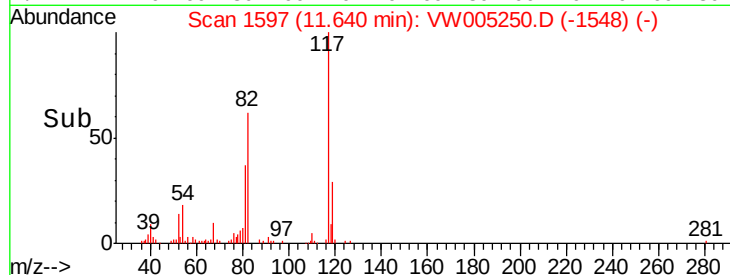
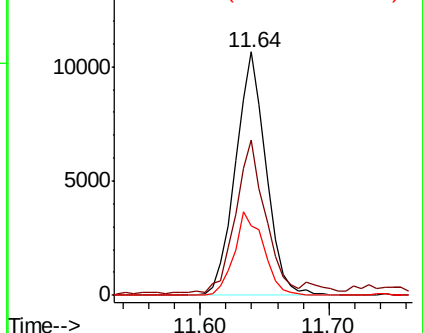
119 28.6 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 95.93 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005250.D

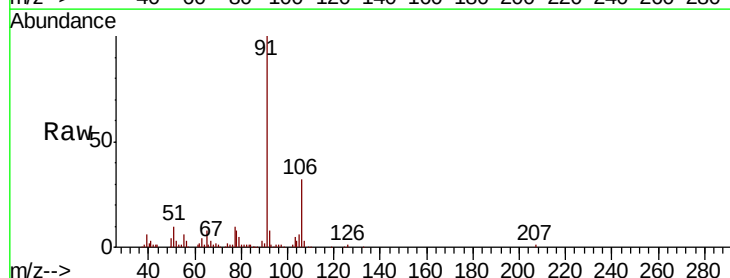
Acq: 10 Sep 2018 19:37

Tgt Ion: 91 Resp: 63804

Ion Ratio Lower Upper

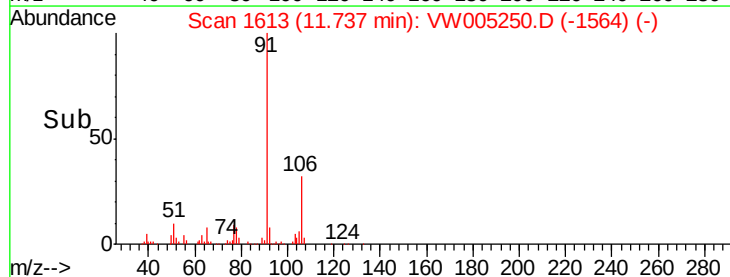
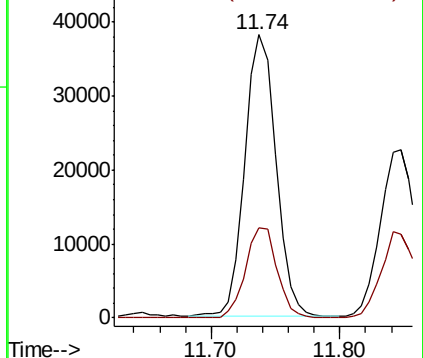
91 100

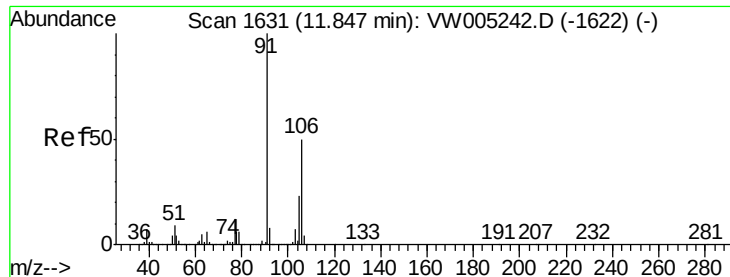
106 32.1 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

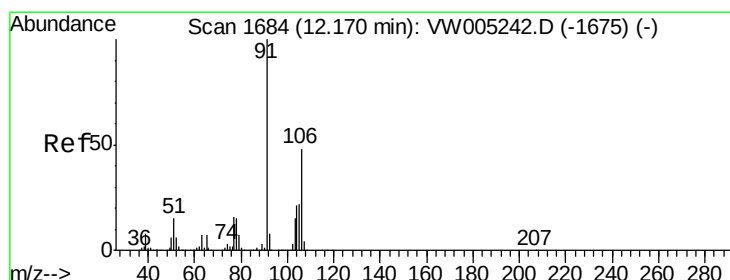
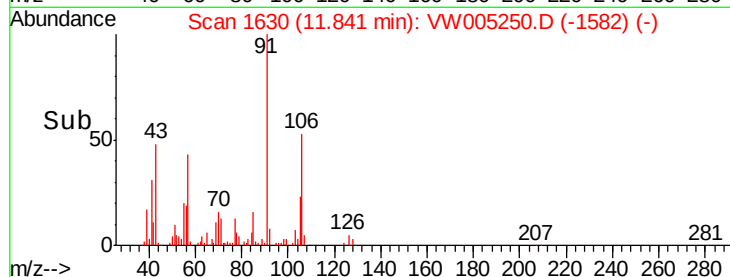
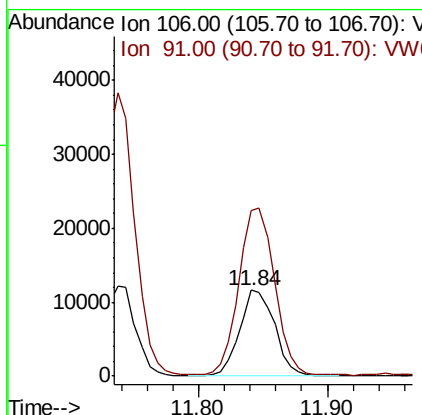
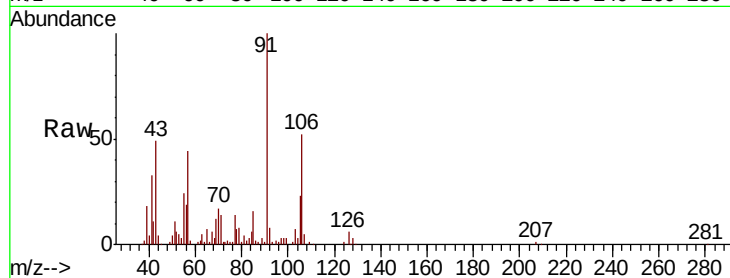




#68
m/p-Xylenes
Concen: 81.59 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW005250.D
Acq: 10 Sep 2018 19:37

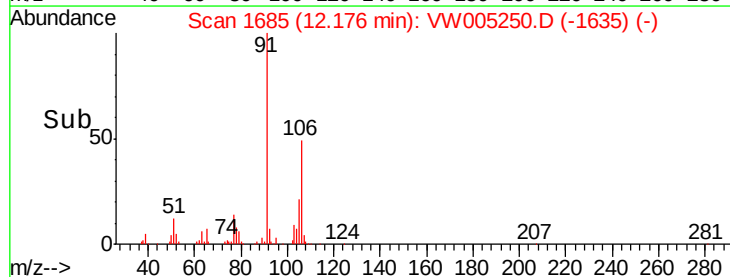
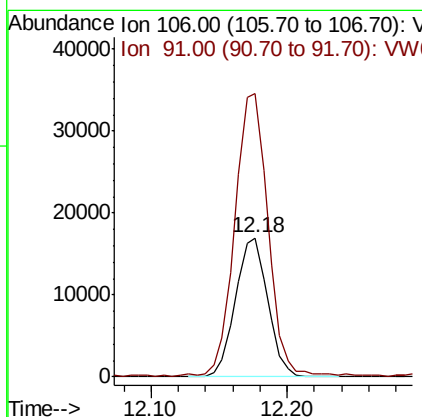
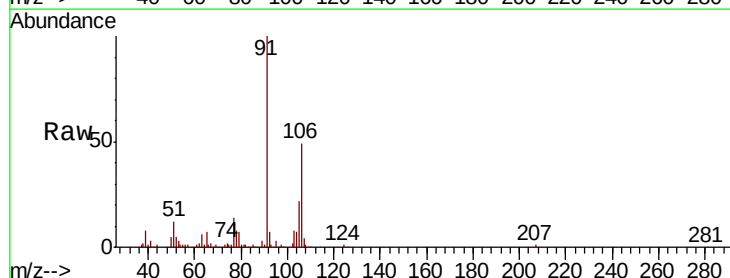
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-01-54.5-55.0

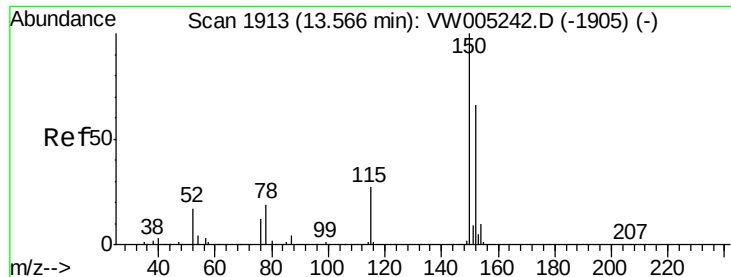
Tot Ion:106 Resp: 21867
Ion Ratio Lower Upper
106 100
91 199.6 160.2 240.2



#69
o-Xylene
Concen: 112.69 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005250.D
Acq: 10 Sep 2018 19:37

Tgt Ion:106 Resp: 28099
Ion Ratio Lower Upper
106 100
91 208.2 104.1 312.3

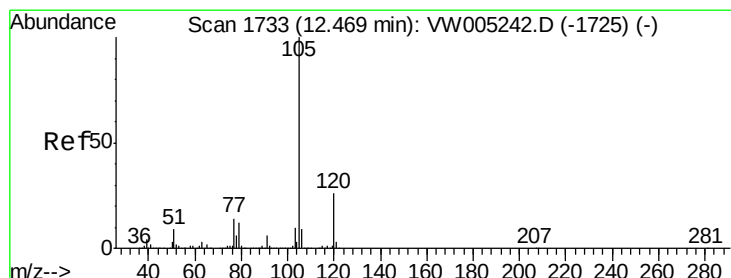
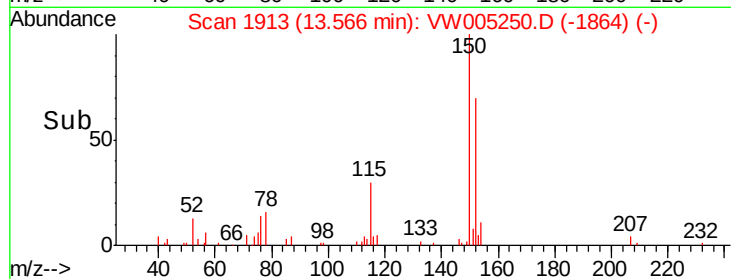
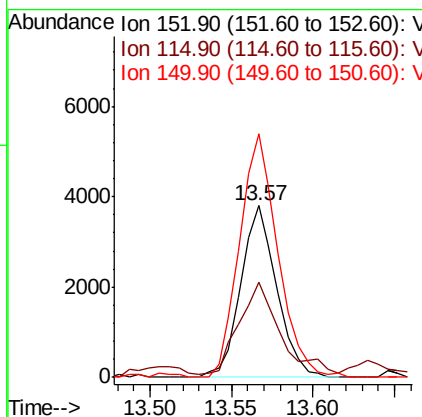
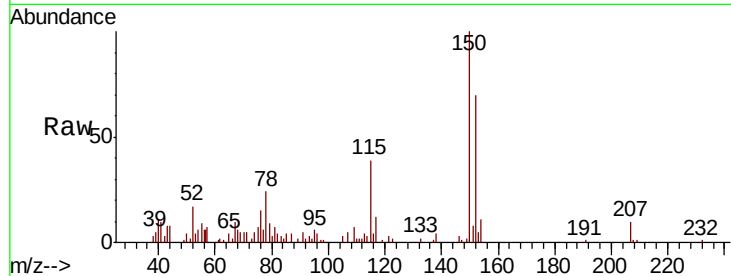




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW005250.D
 Acq: 10 Sep 2018 19:37

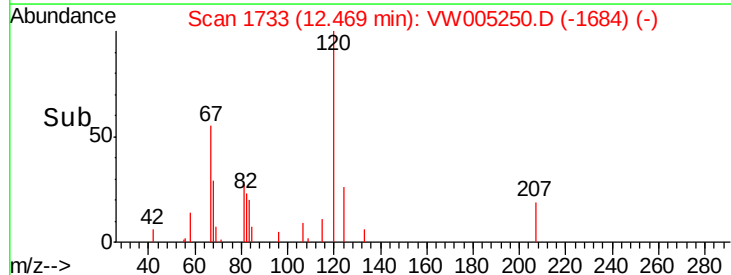
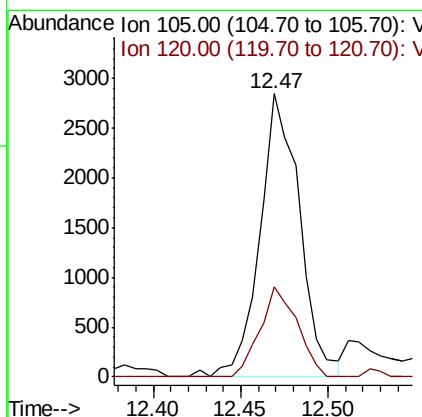
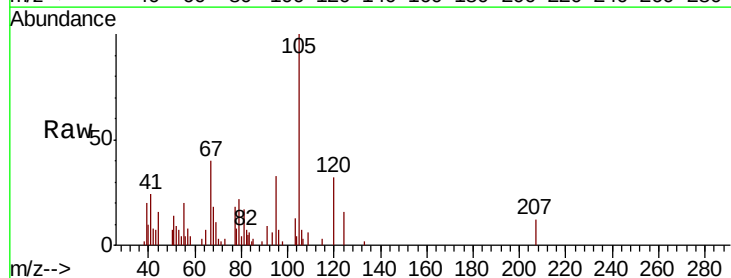
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-01-54.5-55.0

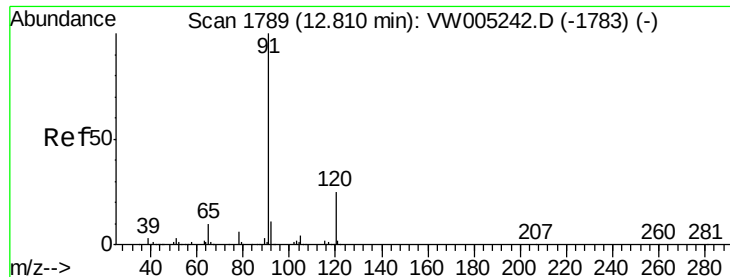
Tot Ion:152 Resp: 5829
 Ion Ratio Lower Upper
 152 100
 115 61.0 27.5 82.4
 150 150.9 0.0 347.4



#73
 Isopropylbenzene
 Concen: 10.97 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: VW005250.D
 Acq: 10 Sep 2018 19:37

Tgt Ion:105 Resp: 4518
 Ion Ratio Lower Upper
 105 100
 120 29.7 13.4 40.1





#78

n-propylbenzene

Concen: 91.19 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005250.D

Acq: 10 Sep 2018 19:37

Instrument :

MSVOA_W

ClientSampleId :

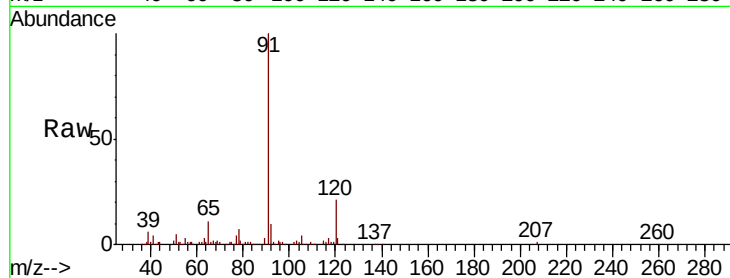
ENY-SB-01-54.5-55.0

Tot Ion: 91 Resp: 45108

Ion Ratio Lower Upper

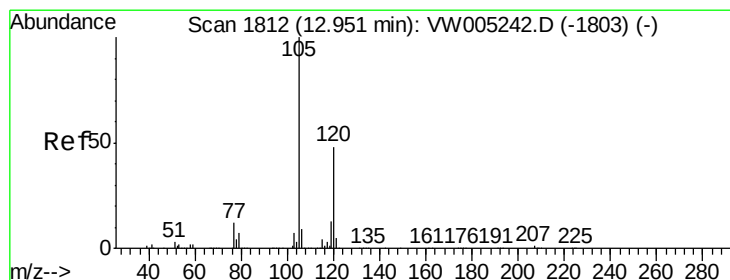
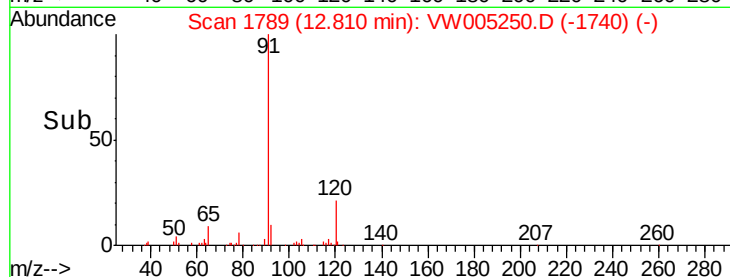
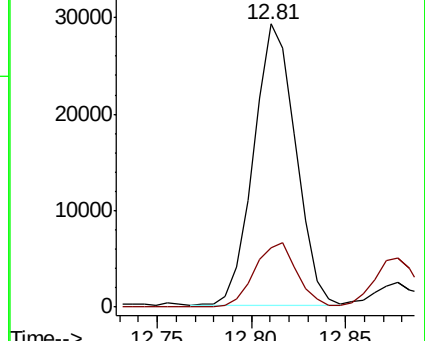
91 100

120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 15.01 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005250.D

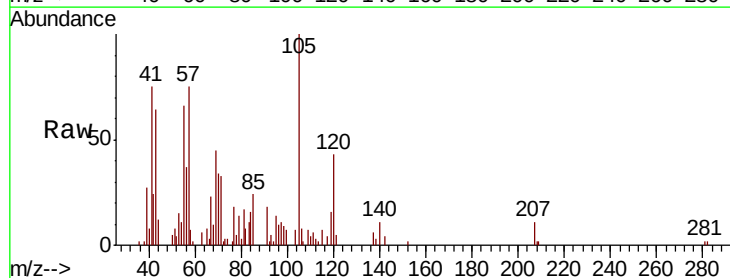
Acq: 10 Sep 2018 19:37

Tgt Ion: 105 Resp: 5263

Ion Ratio Lower Upper

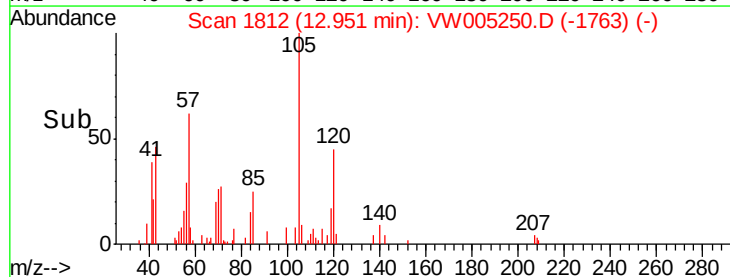
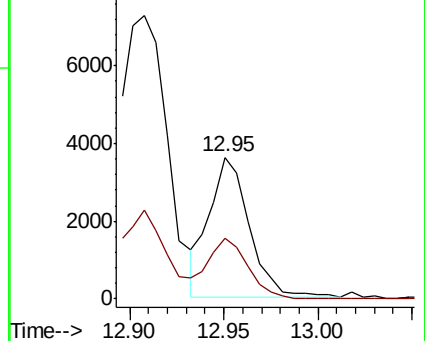
105 100

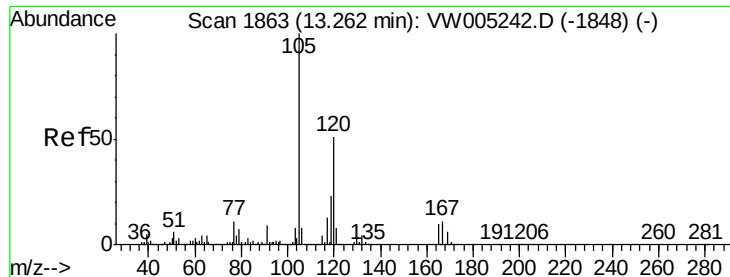
120 43.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

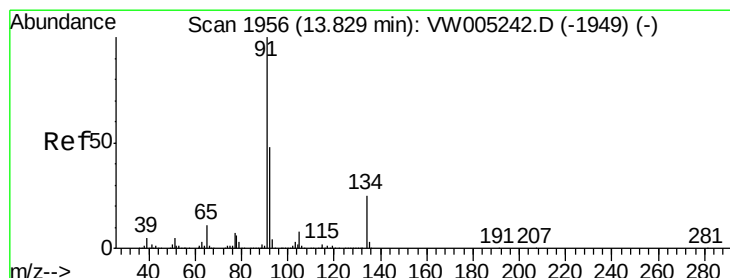
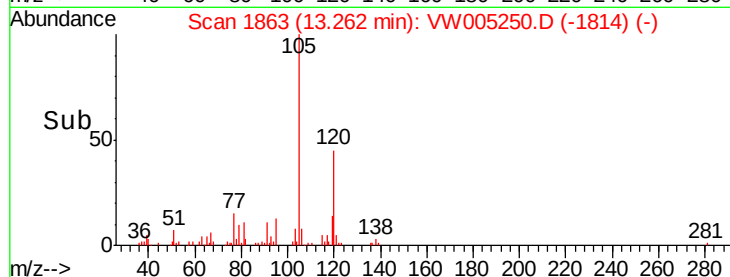
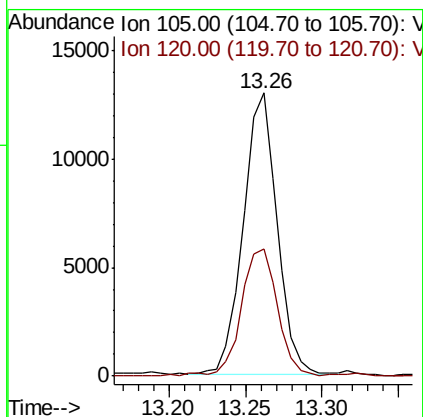
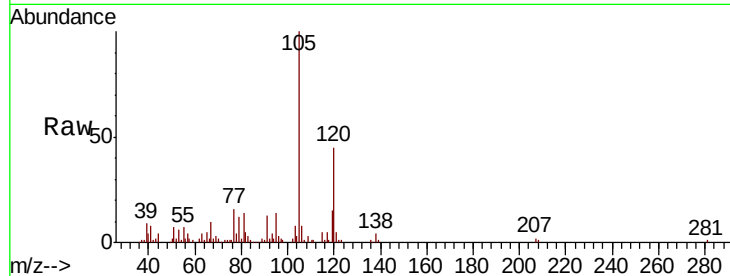




#84
 1,2,4-Trimethylbenzene
 Concen: 56.35 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VW005250.D
 Acq: 10 Sep 2018 19:37

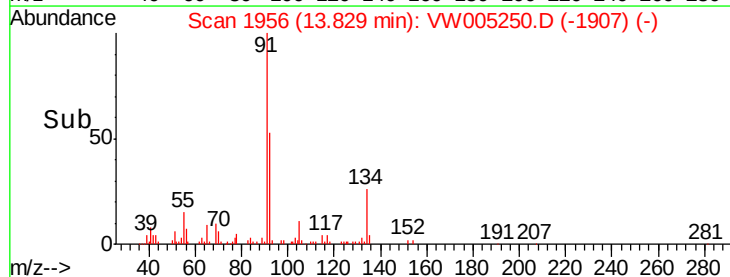
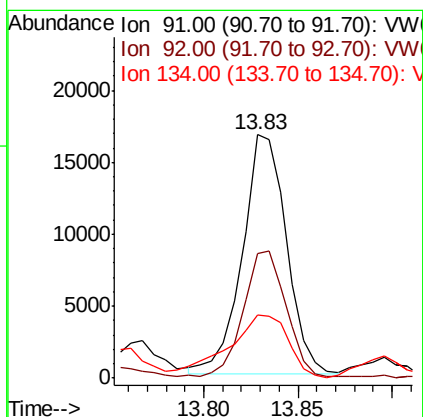
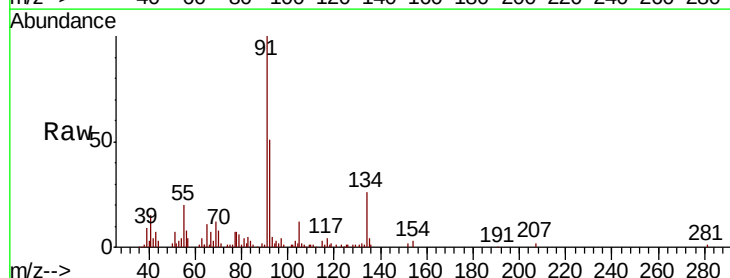
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-01-54.5-55.0

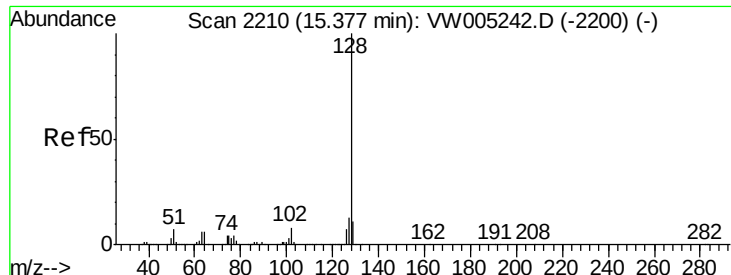
Tot Ion:105 Resp: 19858
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.4 70.3



#89
 n-Butylbenzene
 Concen: 73.91 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW005250.D
 Acq: 10 Sep 2018 19:37

Tgt Ion: 91 Resp: 27113
 Ion Ratio Lower Upper
 91 100
 92 50.3 25.8 77.3
 134 36.4 13.6 40.8





#95

Naphthalene

Concen: 13.52 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005250.D

Acq: 10 Sep 2018 19:37

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-01-54.5-55.0

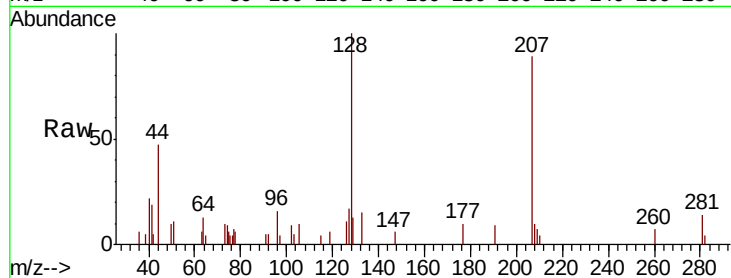
Tot Ion:128 Resp: 2777

Ion Ratio Lower Upper

128 100

127 11.5 10.3 15.5

129 16.6 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

