

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\
 Data File : VW006140.D
 Acq On : 17 Oct 2018 21:11
 Operator : VA/AP
 Sample : J5515-20
 Misc : 5.76G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-02A

Quant Time: Oct 19 12:15:52 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	279046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	418141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	129273	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	119967	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	7.88	113	116967	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	10.33	98	405098	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	
62) 4-Bromofluorobenzene	12.62	95	128111	36.29	ug/l	0.00
Spiked Amount			Recovery	=	72.58%	

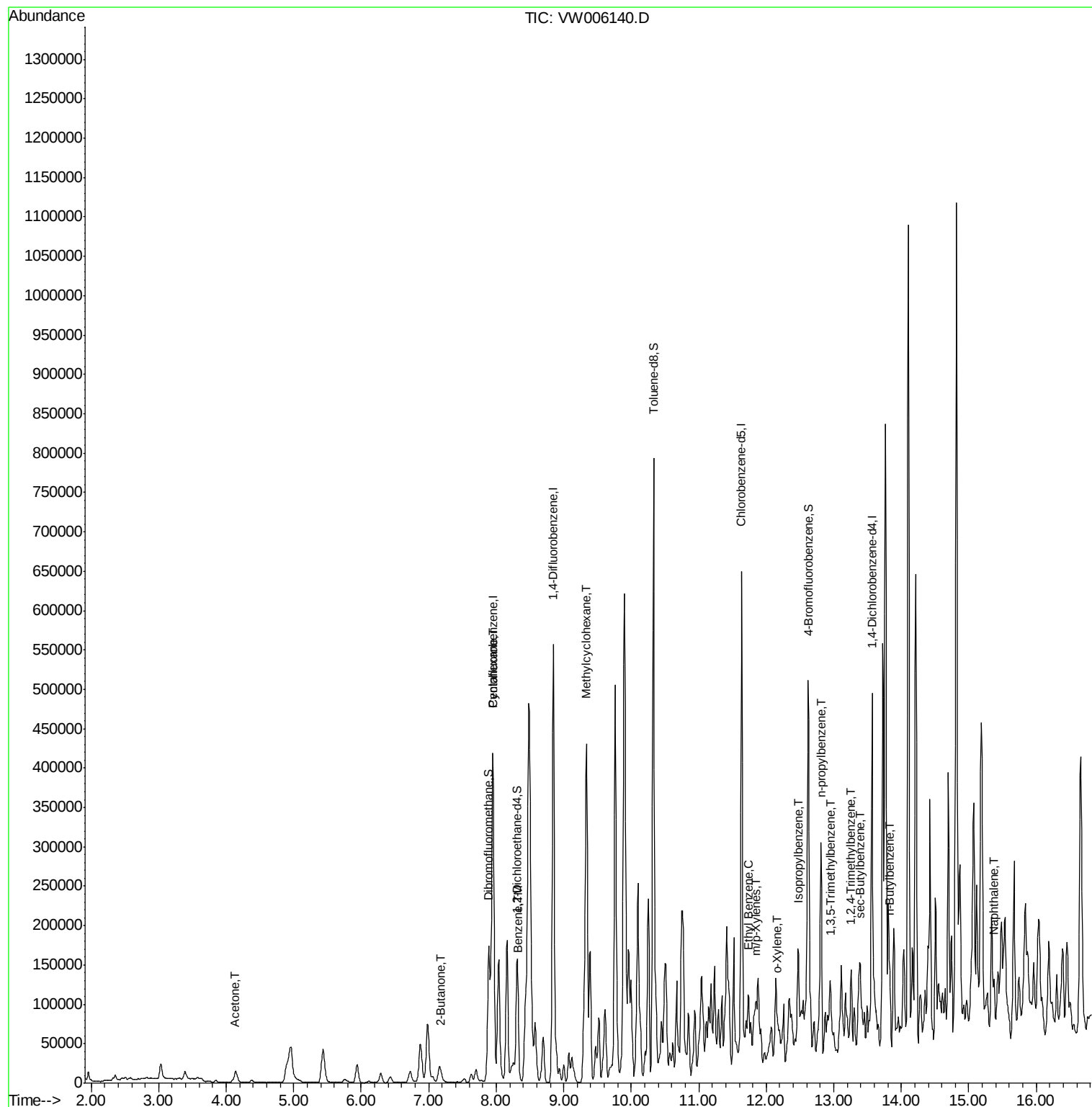
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	26753	49.784	ug/l	96
25) 2-Butanone	7.18	43	10046	16.074	ug/l #	85
31) Cyclohexane	7.95	56	49295	11.645	ug/l #	90
39) Methylcyclohexane	9.34	83	138437	27.022	ug/l	91
40) Benzene	8.33	78	12142	1.148	ug/l	99
67) Ethyl Benzene	11.74	91	28111	2.267	ug/l	96
68) m/p-Xylenes	11.85	106	18403	3.755	ug/l	98
69) o-Xylene	12.17	106	5369	1.149	ug/l	98
73) Isopropylbenzene	12.47	105	81486	8.922	ug/l	100
78) n-propylbenzene	12.81	91	204673	19.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	18174	2.361	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	60238	7.732	ug/l	99
85) sec-Butylbenzene	13.39	105	58749	6.037	ug/l #	57
89) n-Butylbenzene	13.83	91	62686	7.787	ug/l #	61
95) Naphthalene	15.38	128	64437	12.678	ug/l #	95

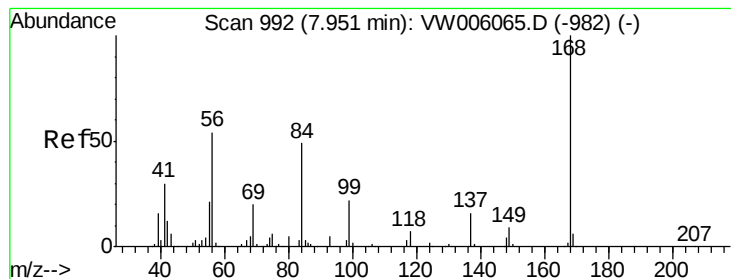
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

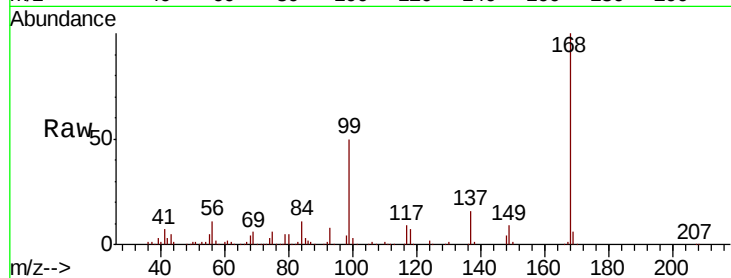
AOC1-02A

Tot Ion:168 Resp: 279046

Ion Ratio Lower Upper

168 100

99 49.5 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

150000

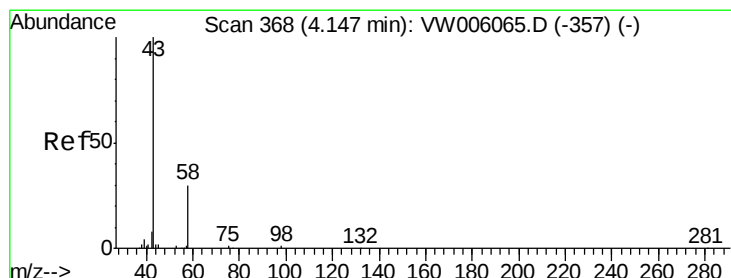
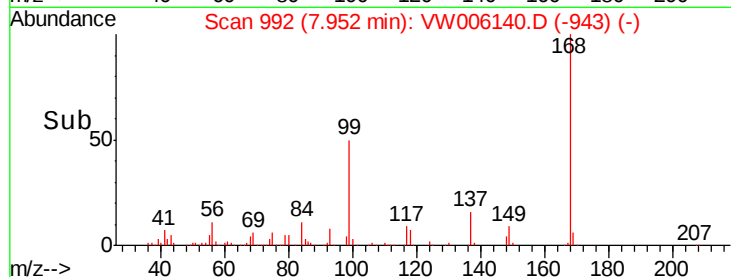
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 49.784 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006140.D

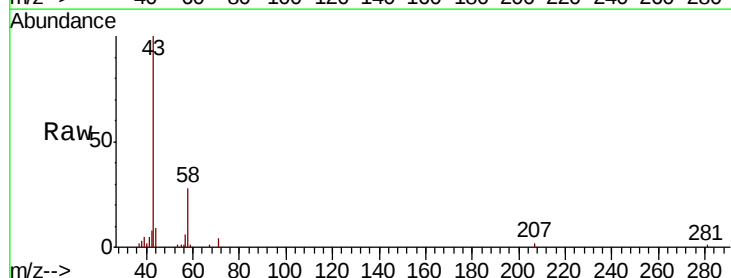
Acq: 17 Oct 2018 21:11

Tgt Ion: 43 Resp: 26753

Ion Ratio Lower Upper

43 100

58 27.9 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

6000

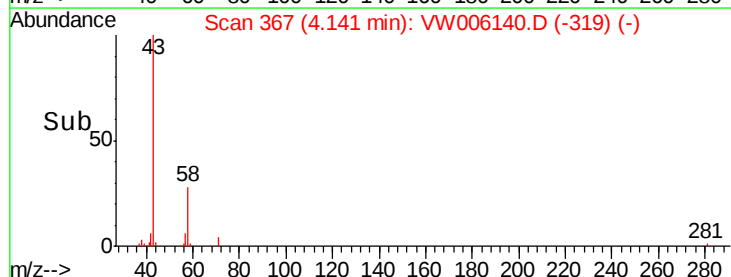
4000

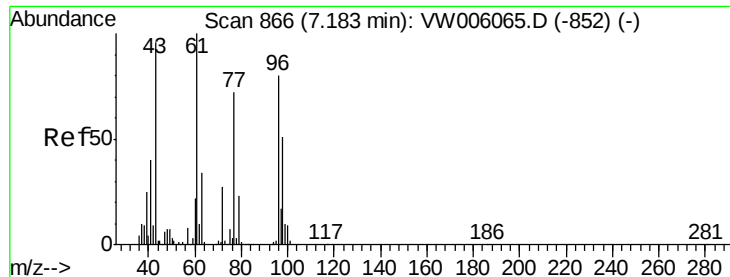
2000

0

4.00 4.10 4.20 4.30

Time-->





#25

2-Butanone

Concen: 16.074 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

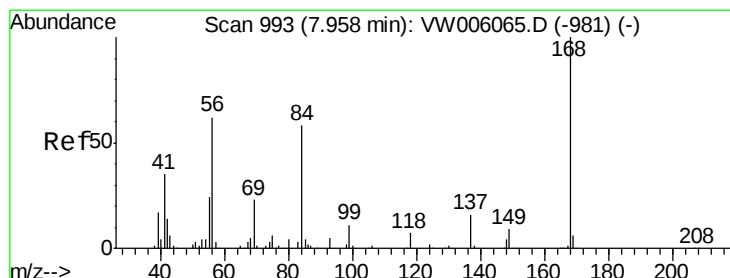
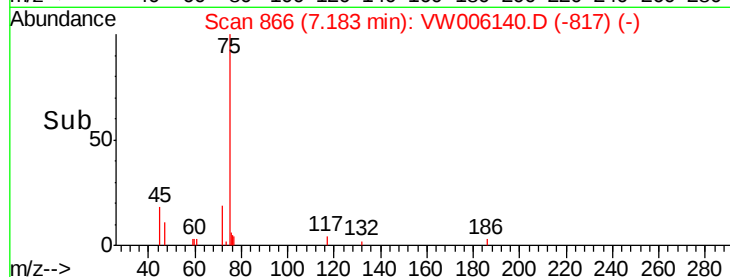
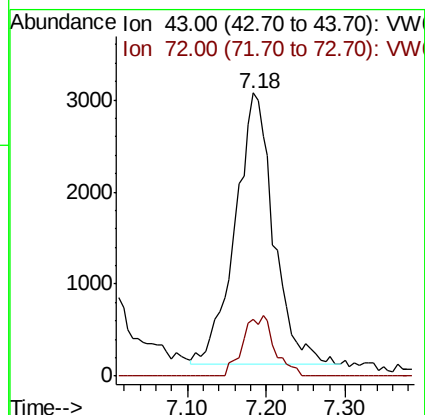
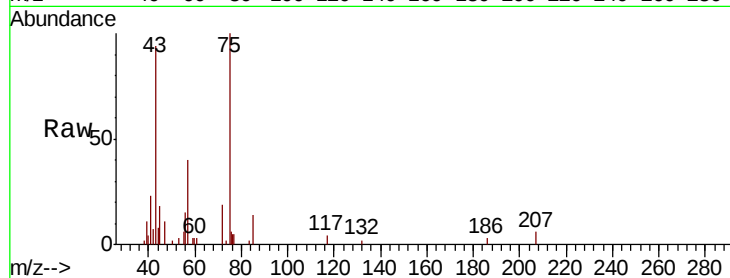
AOC1-02A

Tot Ion: 43 Resp: 10046

Ion Ratio Lower Upper

43 100

72 20.8 22.8 34.2#



#31

Cyclohexane

Concen: 11.645 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

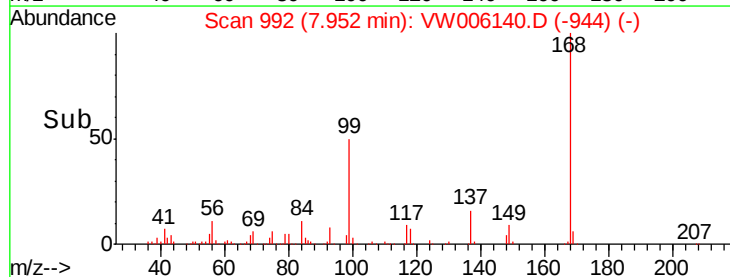
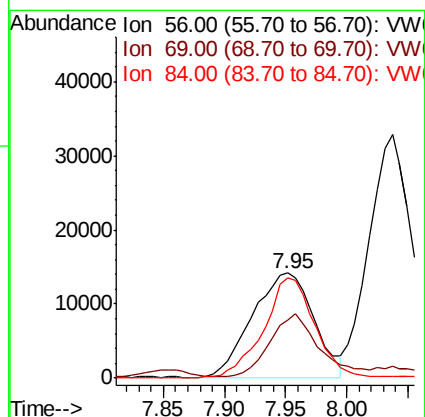
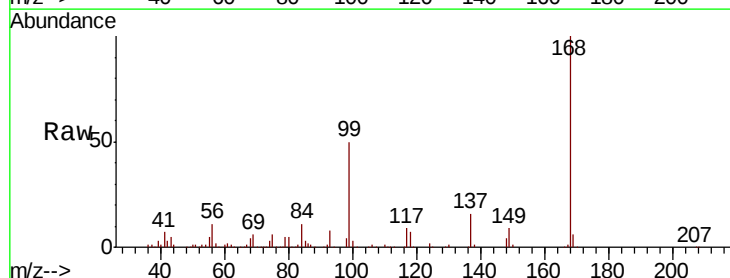
Tgt Ion: 56 Resp: 49295

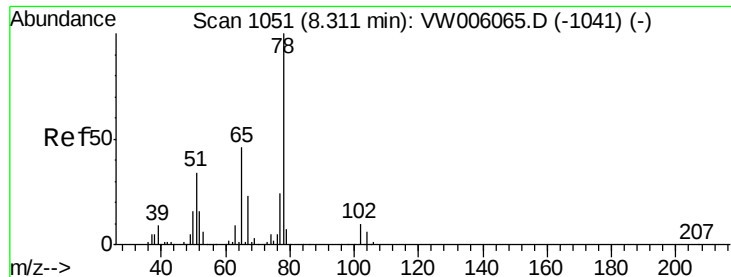
Ion Ratio Lower Upper

56 100

69 51.3 29.4 44.0#

84 96.8 74.0 111.0





#33

1,2-Dichloroethane-d4

Concen: 51.856 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

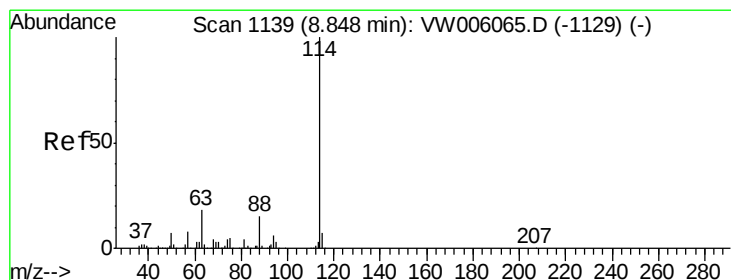
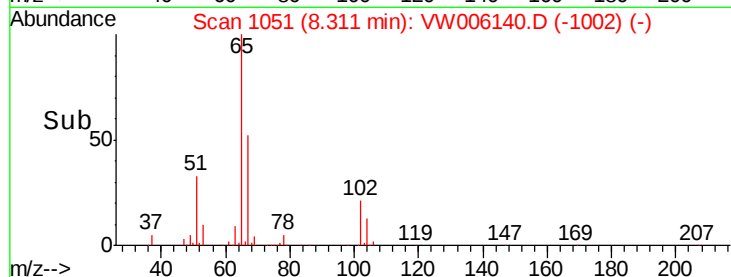
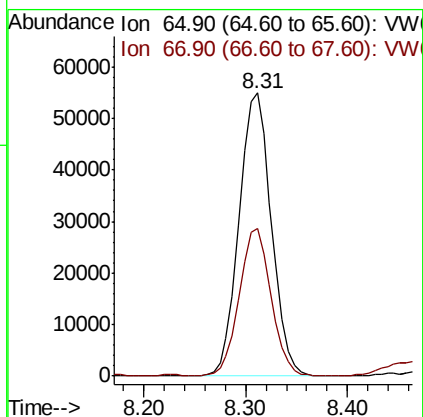
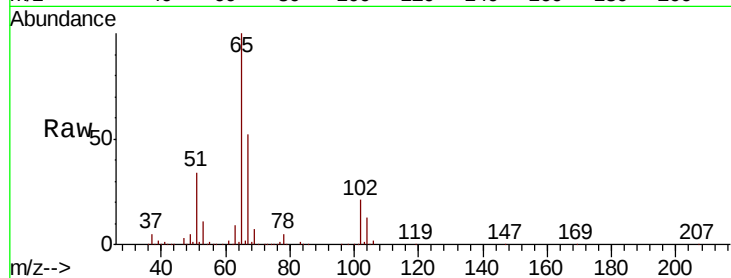
AOC1-02A

Tot Ion: 65 Resp: 119967

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

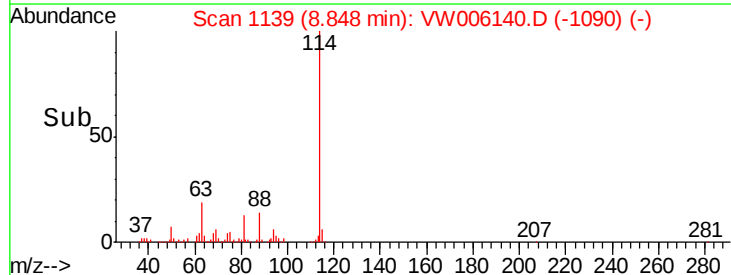
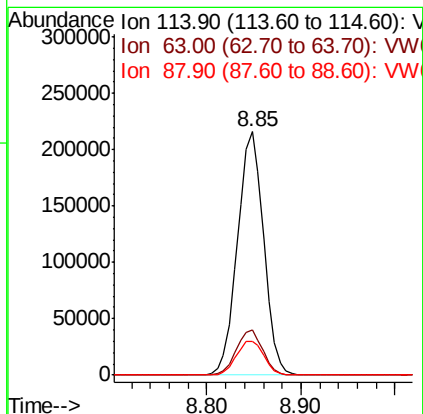
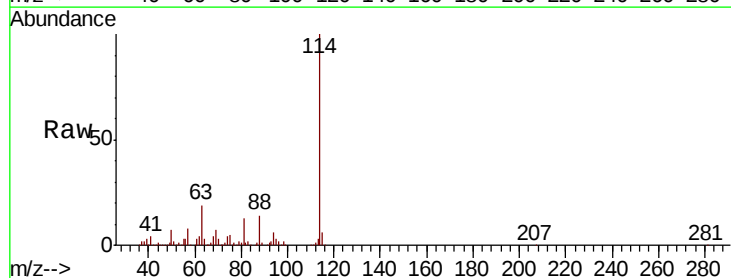
Tgt Ion: 114 Resp: 418141

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 14.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.340 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

AOC1-02A

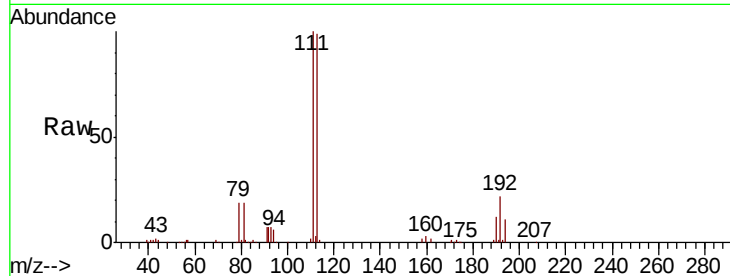
Tot Ion:113 Resp: 116967

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

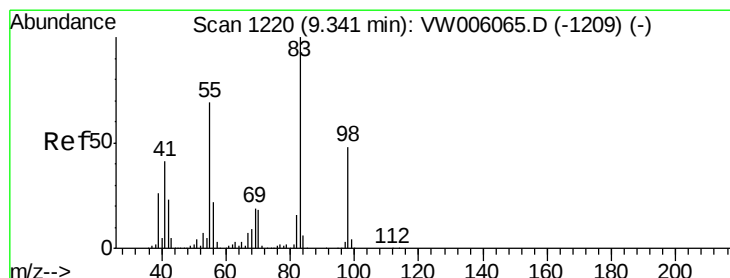
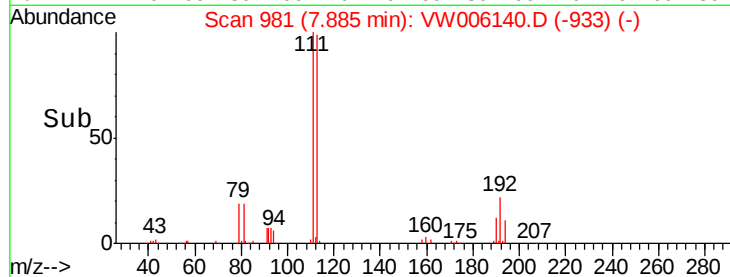
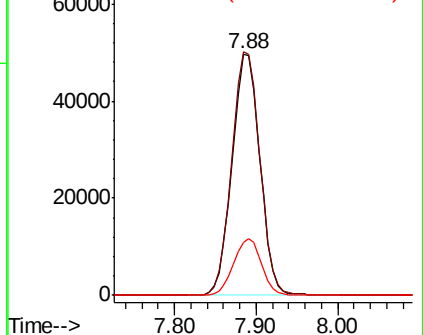
192 23.2 18.7 28.1



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



#39

Methylcyclohexane

Concen: 27.022 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

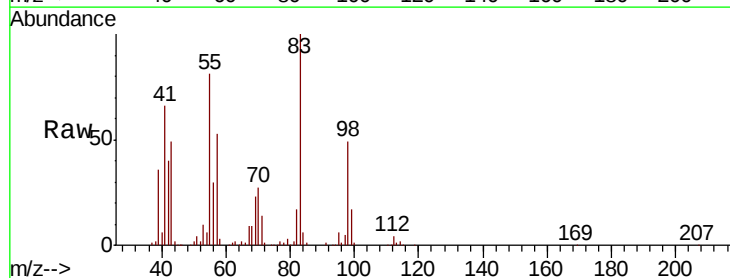
Tgt Ion: 83 Resp: 138437

Ion Ratio Lower Upper

83 100

55 80.4 55.0 82.6

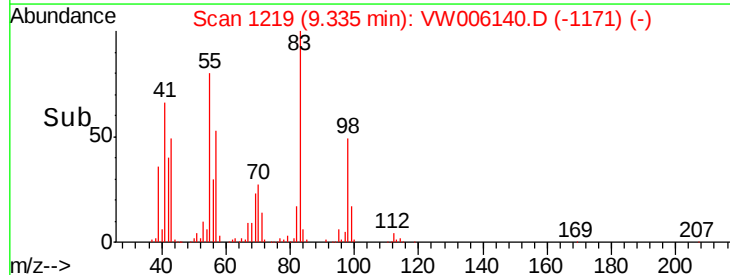
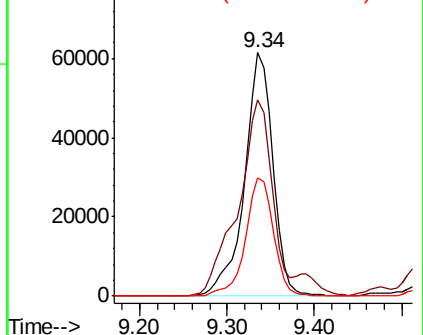
98 48.8 38.6 57.8

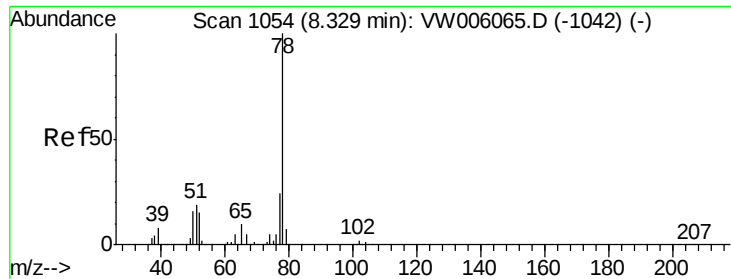


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.148 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

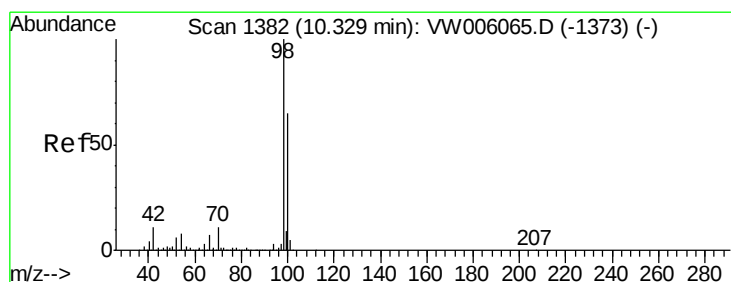
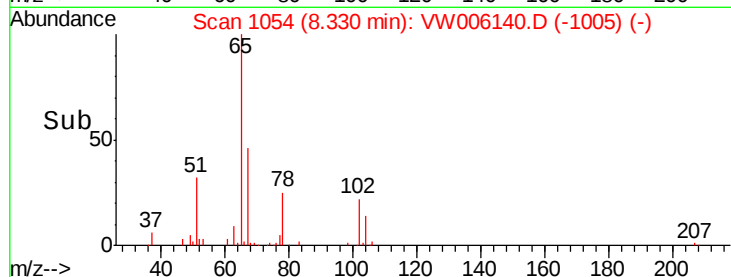
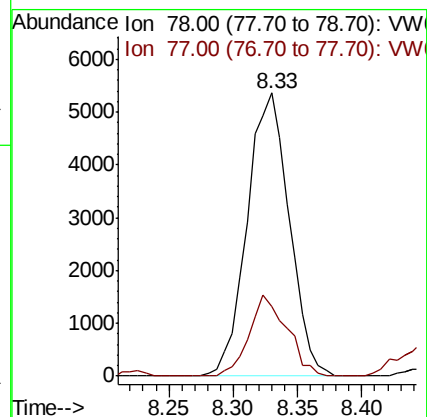
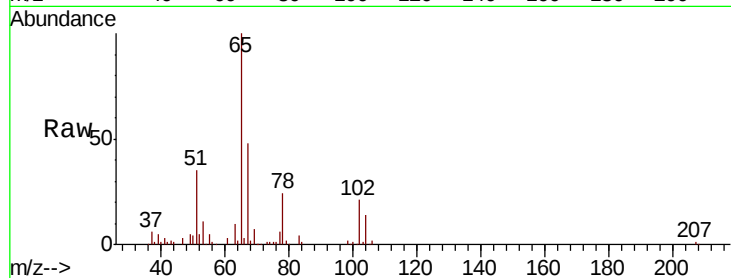
AOC1-02A

Tot Ion: 78 Resp: 12142

Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0



#50

Toluene-d8

Concen: 43.095 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006140.D

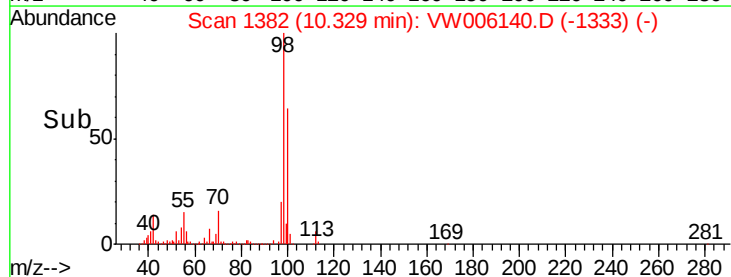
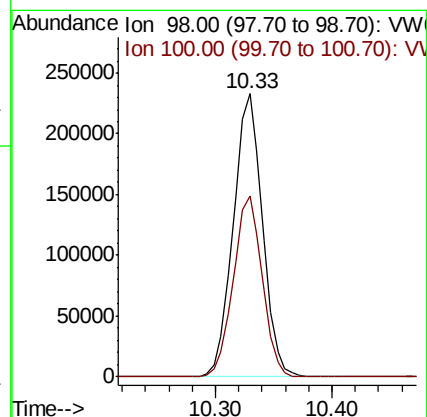
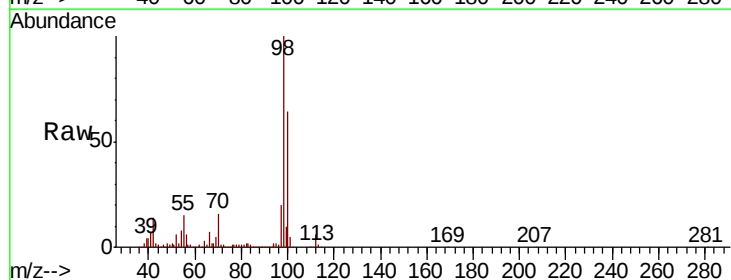
Acq: 17 Oct 2018 21:11

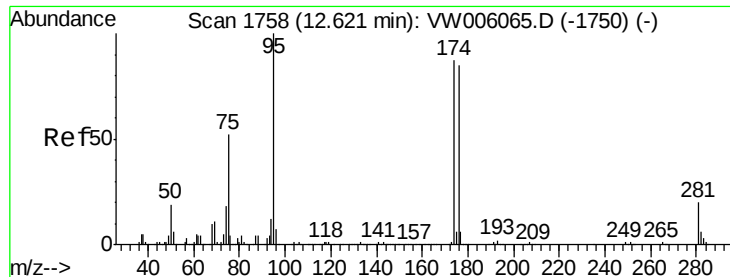
Tgt Ion: 98 Resp: 405098

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4

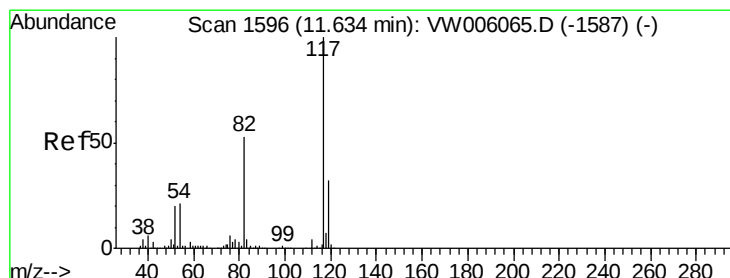
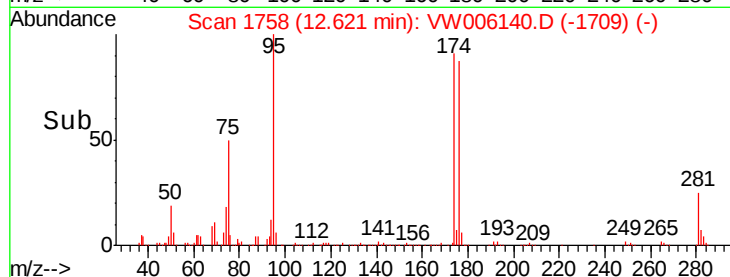
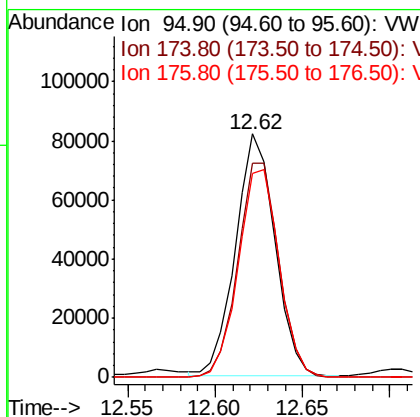
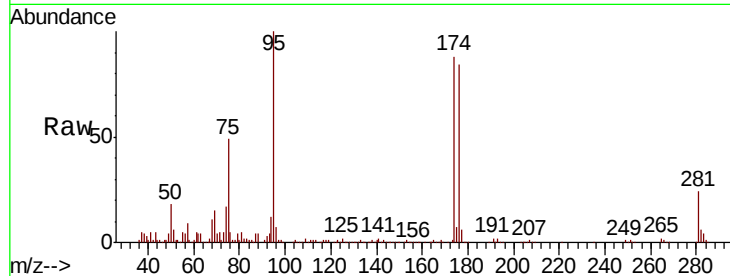




#62
4-Bromofluorobenzene
Concen: 36.286 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

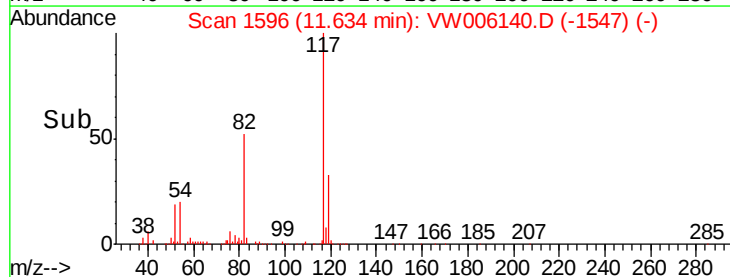
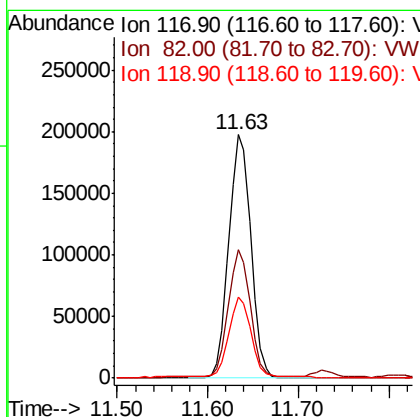
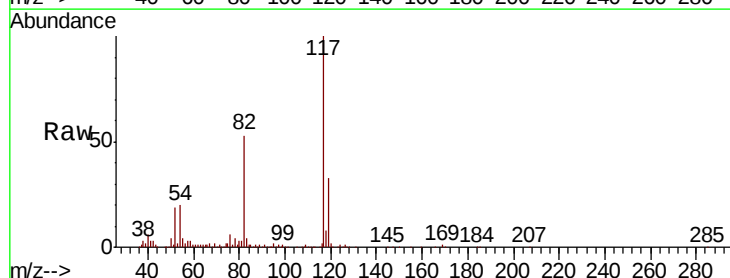
Instrument :
MSVOA_W
ClientSampled :
AOC1-02A

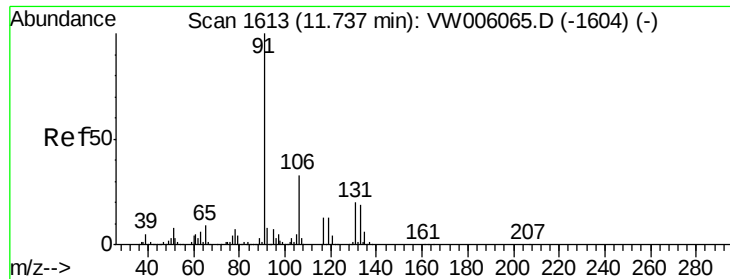
Tot Ion: 95 Resp: 128111
Ion Ratio Lower Upper
95 100
174 92.3 0.0 186.0
176 89.3 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion: 117 Resp: 334227
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 32.8 25.8 38.6

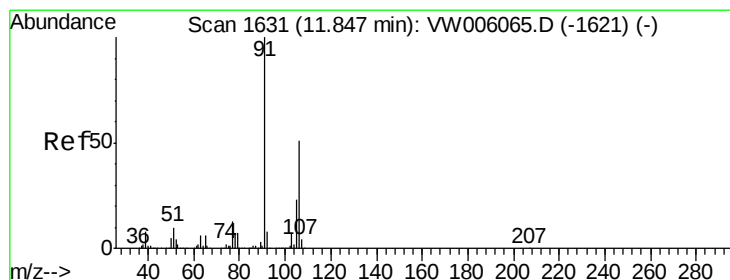
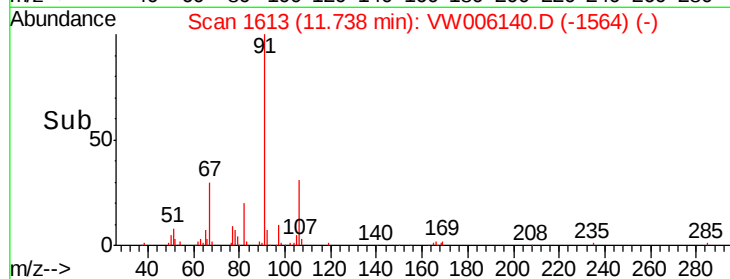
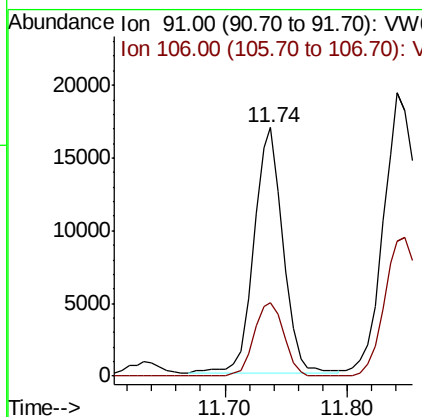
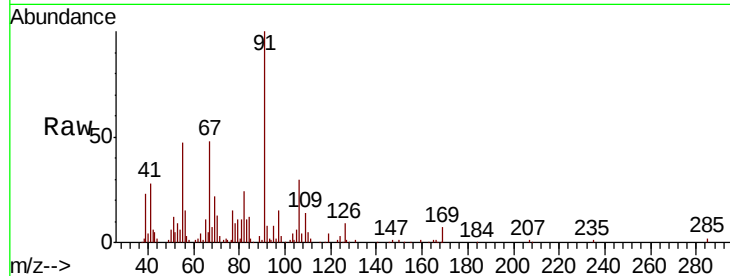




#67
Ethyl Benzene
Concen: 2.267 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

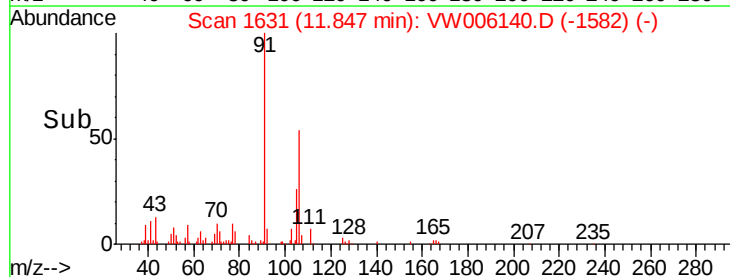
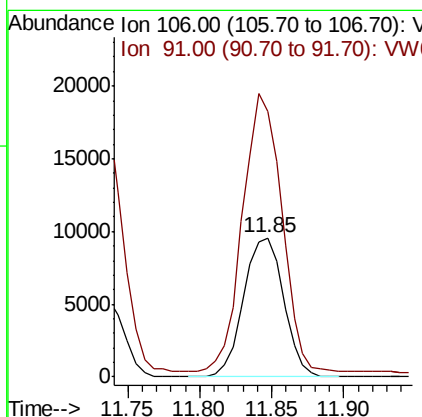
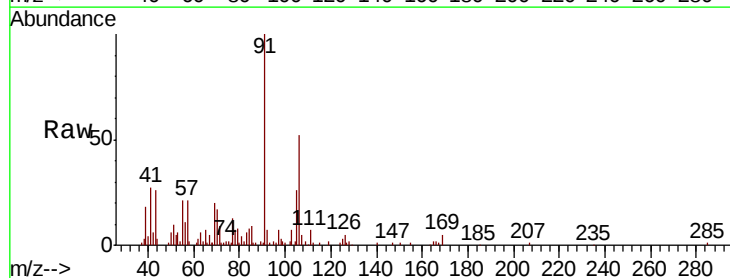
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AOC1-02A

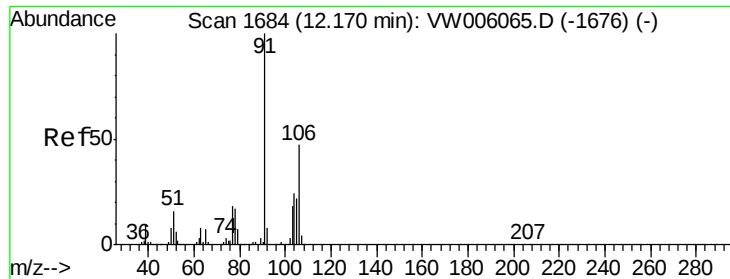
Tot Ion: 91 Resp: 28111
Ion Ratio Lower Upper
91 100
106 30.1 26.1 39.1



#68
m/p-Xylenes
Concen: 3.755 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion: 106 Resp: 18403
Ion Ratio Lower Upper
106 100
91 196.3 159.1 238.7

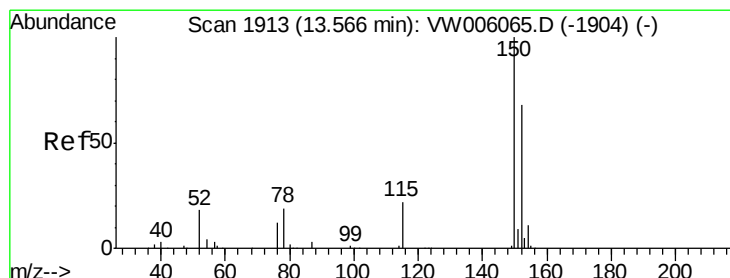
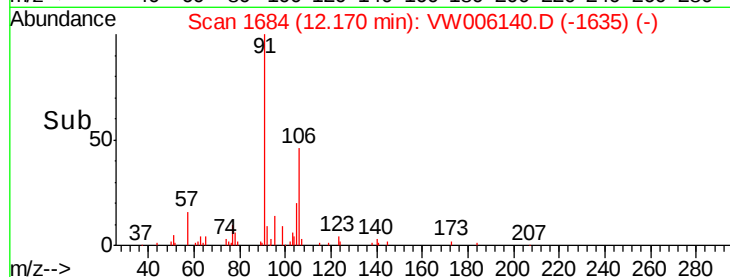
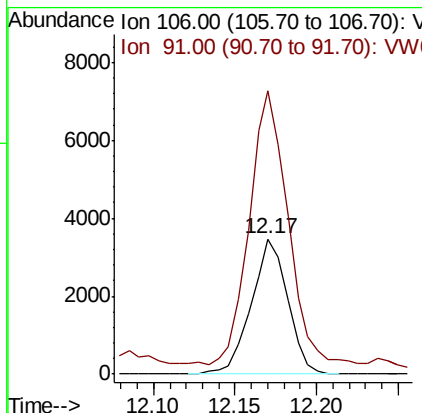
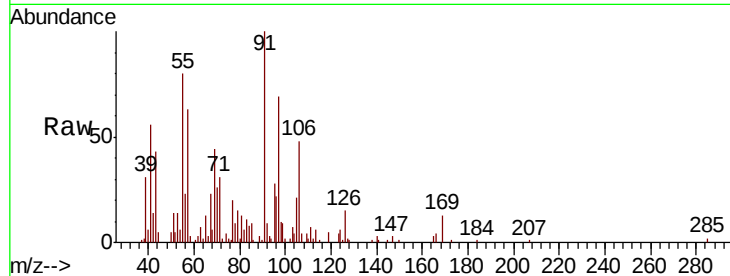




#69
o-Xylene
Concen: 1.149 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

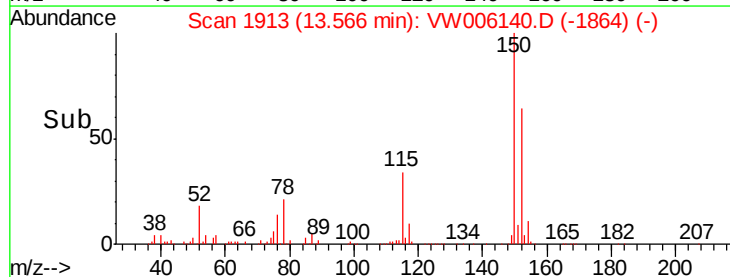
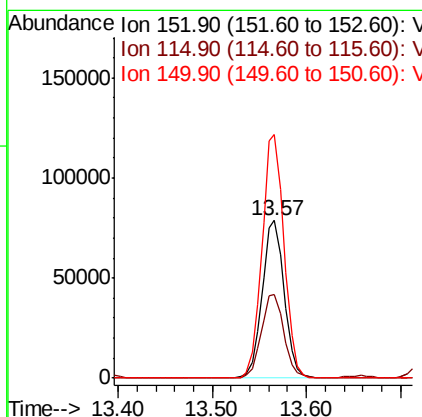
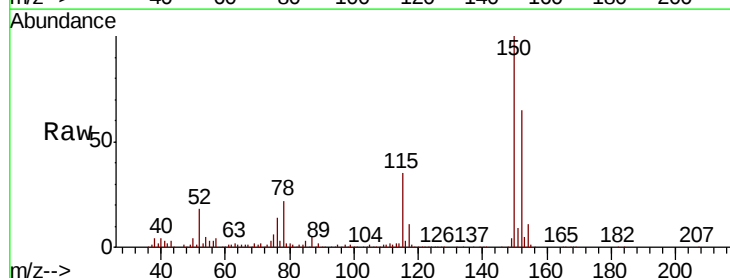
Instrument :
MSVOA_W
ClientSampleId :
AOC1-02A

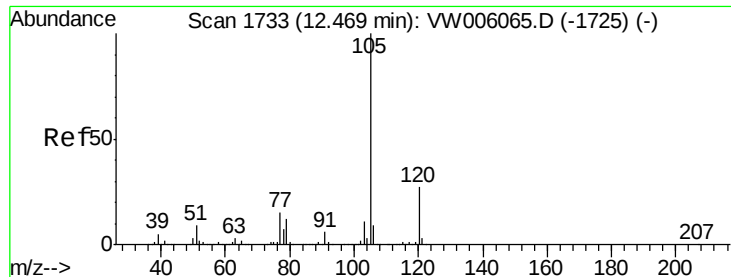
Tot Ion:106 Resp: 5369
Ion Ratio Lower Upper
106 100
91 213.8 105.4 316.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Tgt Ion:152 Resp: 129273
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.3
150 154.8 0.0 349.2





#73

Isopropylbenzene

Concen: 8.922 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

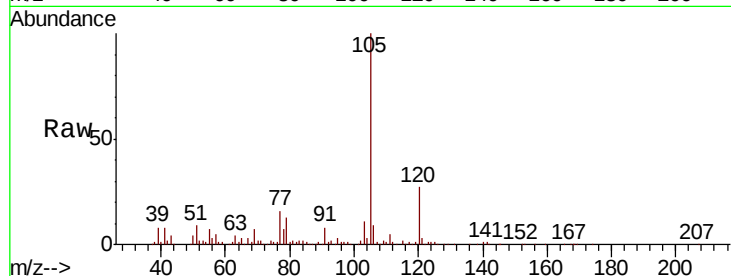
AOC1-02A

Tot Ion: 105 Resp: 81486

Ion Ratio Lower Upper

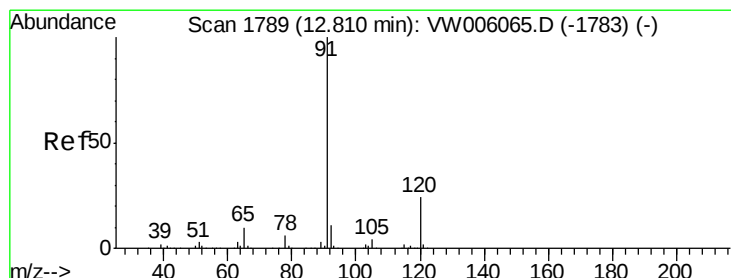
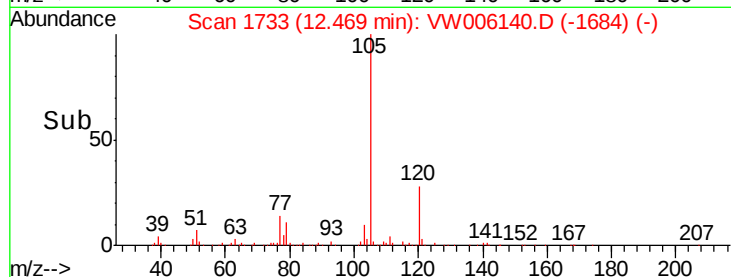
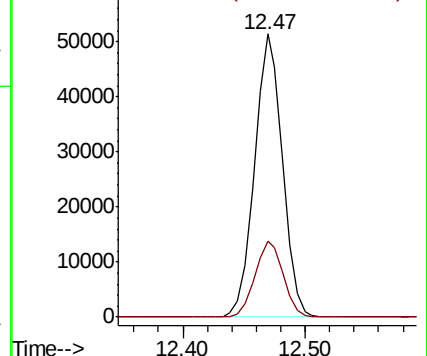
105 100

120 27.3 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: 19.263 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006140.D

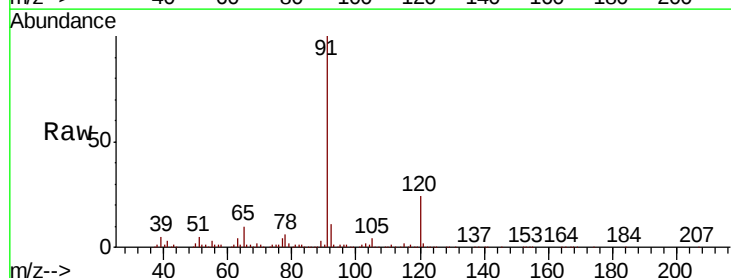
Acq: 17 Oct 2018 21:11

Tgt Ion: 91 Resp: 204673

Ion Ratio Lower Upper

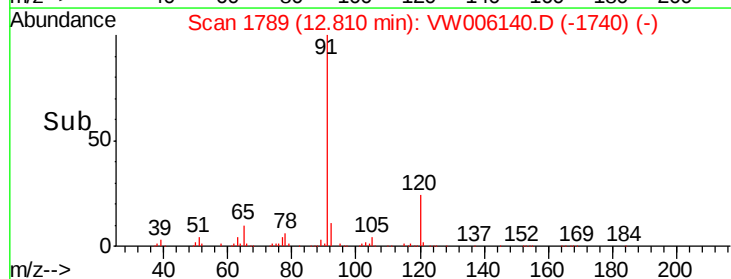
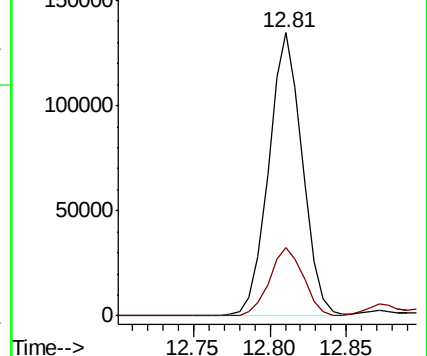
91 100

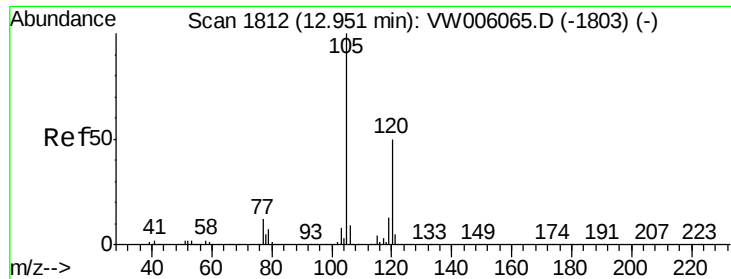
120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

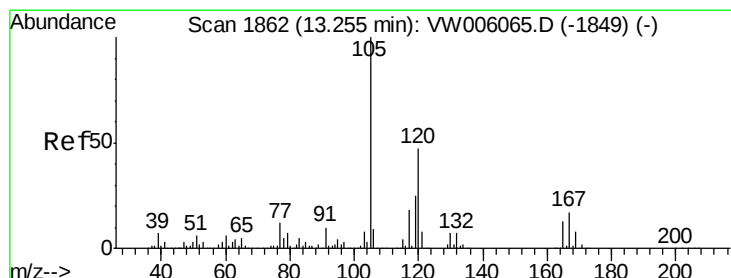
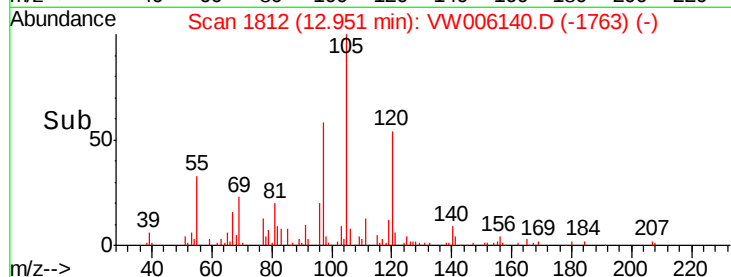
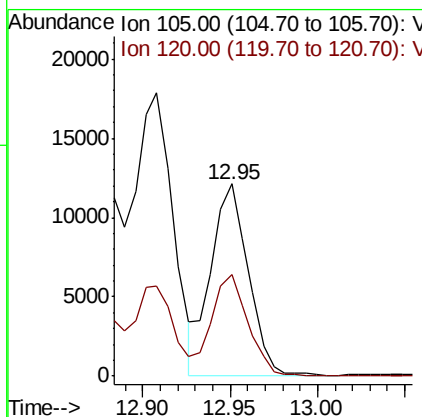
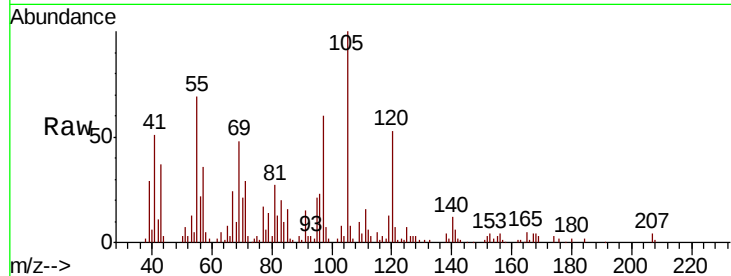




#80
 1,3,5-Trimethylbenzene
 Concen: 2.361 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006140.D
 Acq: 17 Oct 2018 21:11

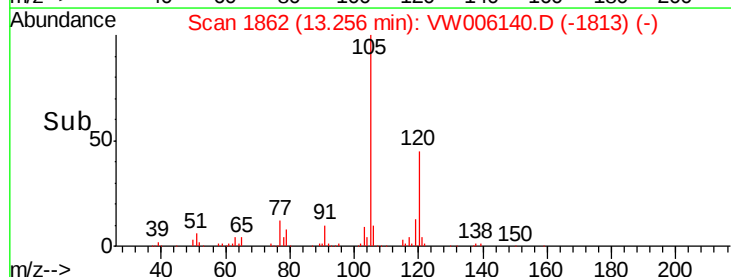
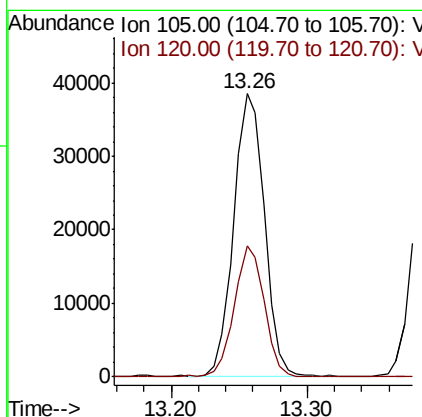
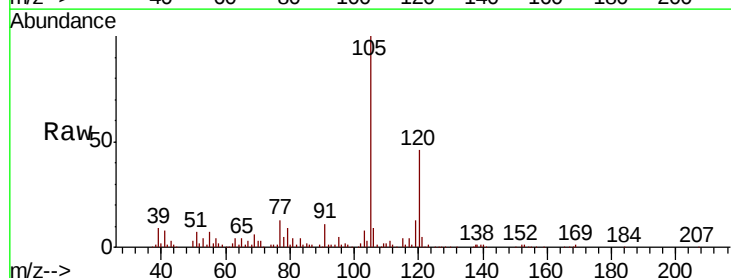
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-02A

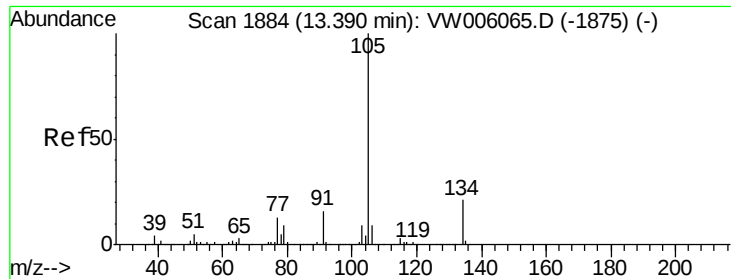
Tot Ion:105 Resp: 18174
 Ion Ratio Lower Upper
 105 100
 120 51.6 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 7.732 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006140.D
 Acq: 17 Oct 2018 21:11

Tgt Ion:105 Resp: 60238
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.3





#85

sec-Butylbenzene

Concen: 6.037 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

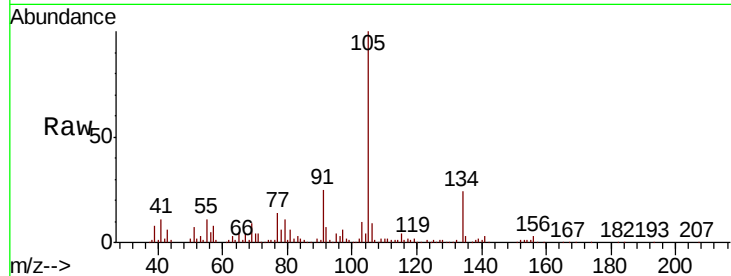
AOC1-02A

Tot Ion:105 Resp: 58749

Ion Ratio Lower Upper

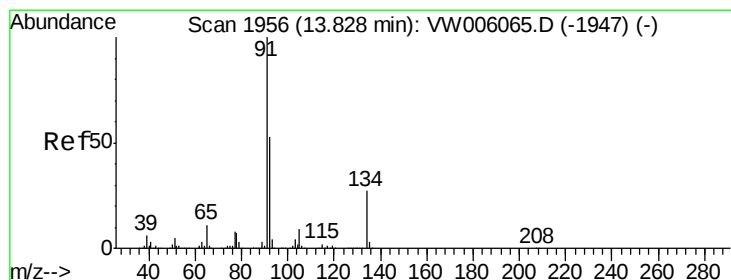
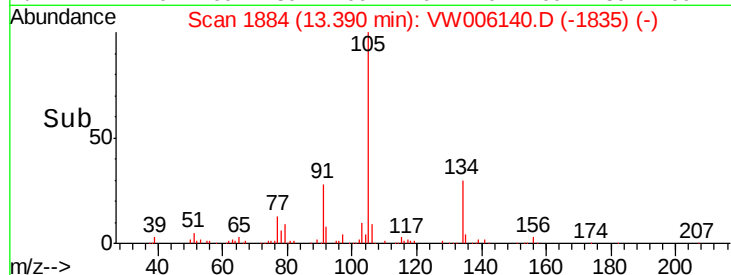
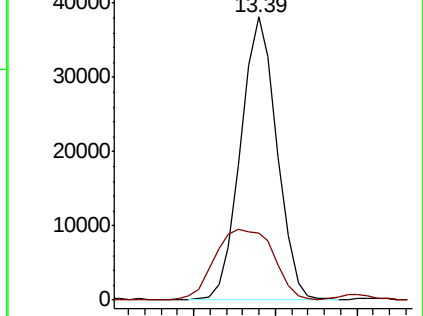
105 100

134 41.1 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 7.787 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006140.D

Acq: 17 Oct 2018 21:11

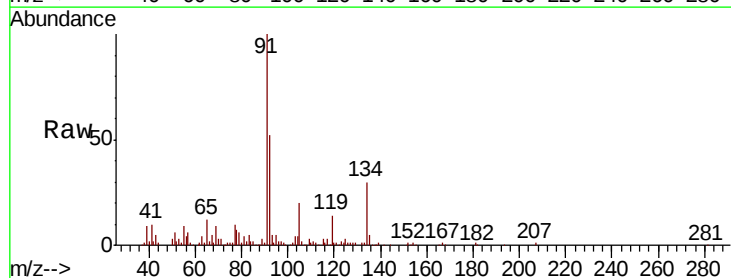
Tgt Ion: 91 Resp: 62686

Ion Ratio Lower Upper

91 100

92 41.1 26.6 79.7

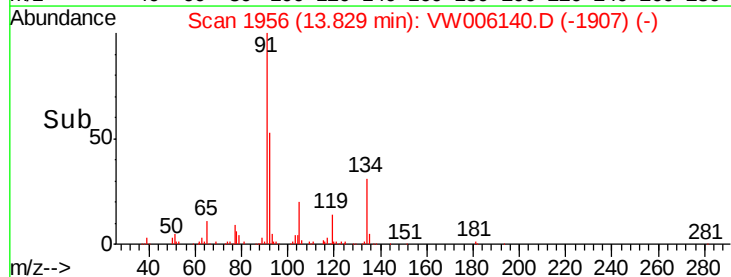
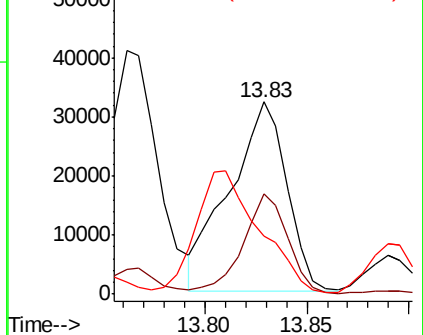
134 70.5 14.0 41.9#

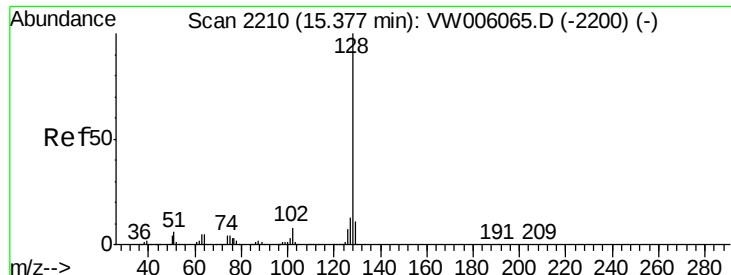


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 12.678 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006140.D
Acq: 17 Oct 2018 21:11

Instrument :
MSVOA_W
ClientSampleId :
AOC1-02A

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.3	15.5
129	8.6	8.7	13.1

