

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007047.D
 Acq On : 26 Nov 2018 15:08
 Operator : VAY/AP
 Sample : J6003-08
 Misc : 6.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-03A

Quant Time: Nov 27 06:17:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	124315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	198034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	178940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86961	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	54168	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
35) Dibromofluoromethane	7.89	113	46885	41.92	ug/l	0.00
Spiked Amount			Recovery	=	83.84%	
50) Toluene-d8	10.32	98	219710	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	
62) 4-Bromofluorobenzene	12.62	95	89442	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	

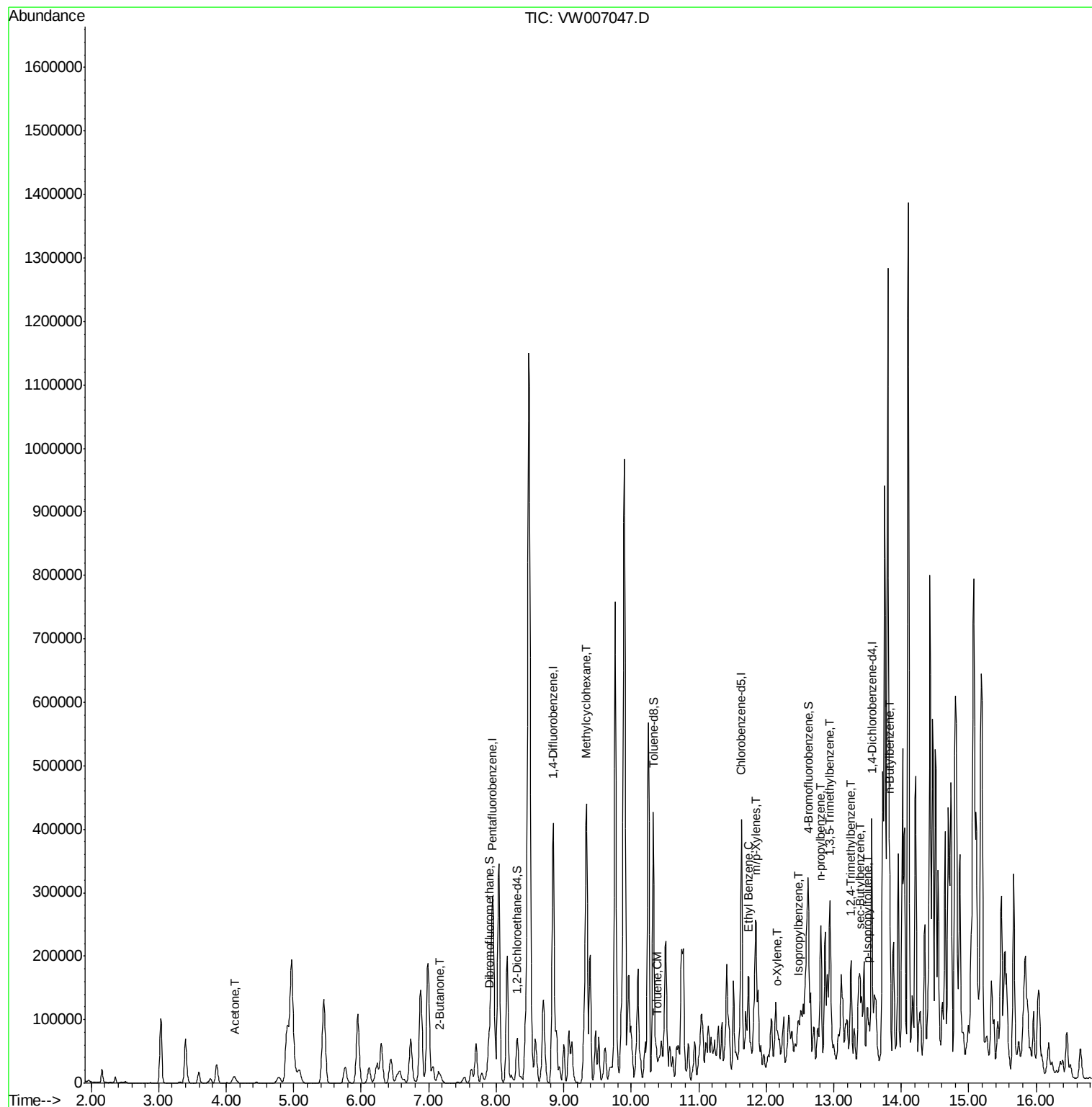
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	12032	68.09	ug/l	95
25) 2-Butanone	7.17	43	7377	24.37	ug/l	# 72
39) Methylcyclohexane	9.34	83	101562	41.94	ug/l	# 83
52) Toluene	10.39	92	7562	2.13	ug/l	92
67) Ethyl Benzene	11.73	91	66707	9.72	ug/l	97
68) m/p-Xylenes	11.84	106	39416	14.64	ug/l	99
69) o-Xylene	12.17	106	7254	2.86	ug/l	98
73) Isopropylbenzene	12.47	105	33249	4.92	ug/l	97
78) n-propylbenzene	12.81	91	160570	19.61	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	79794	13.65	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	86250	14.81	ug/l	98
85) sec-Butylbenzene	13.39	105	70212	9.82	ug/l	# 47
86) p-Isopropyltoluene	13.51	119	28030	4.44	ug/l	98
89) n-Butylbenzene	13.83	91	132803	22.38	ug/l	# 73

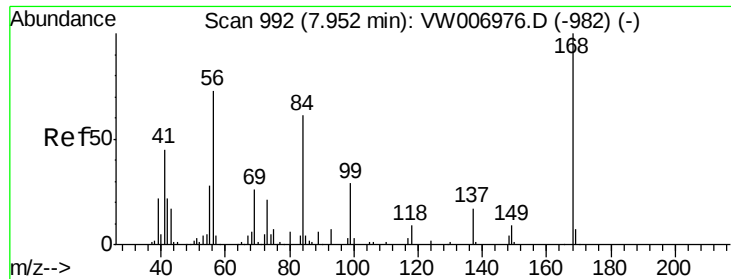
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007047.D

Acq: 26 Nov 2018 15:08

Instrument :

MSVOA_W

ClientSampleId :

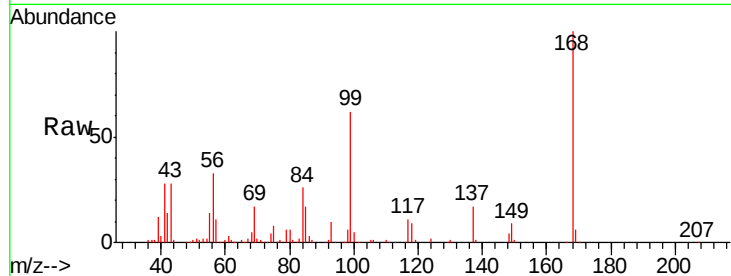
AOC2-03A

Tgt Ion:168 Resp: 124315

Ion Ratio Lower Upper

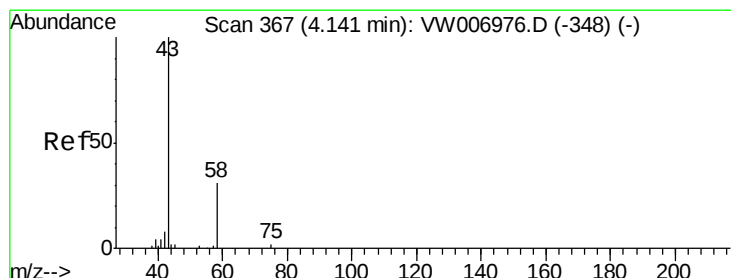
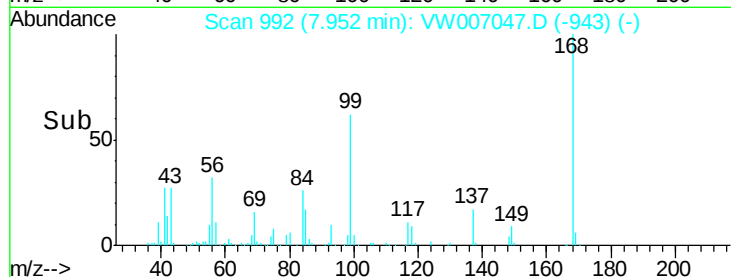
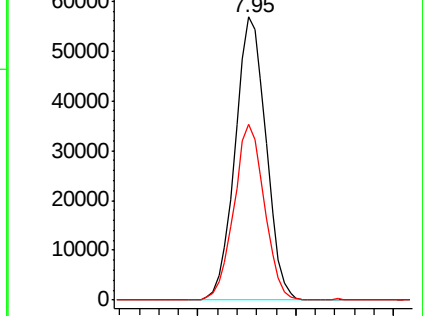
168 100

99 61.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 68.09 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW007047.D

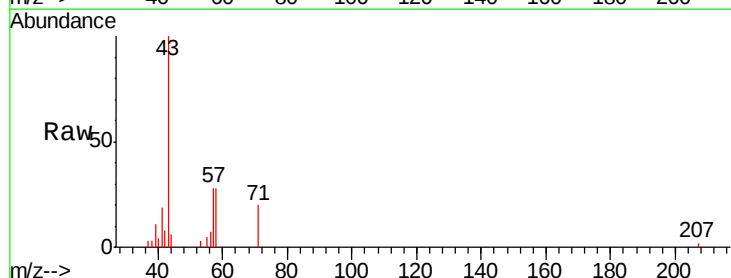
Acq: 26 Nov 2018 15:08

Tgt Ion: 43 Resp: 12032

Ion Ratio Lower Upper

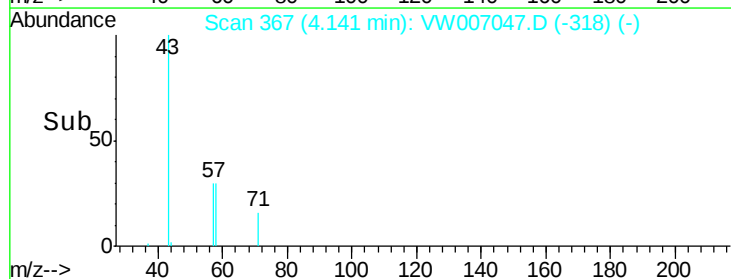
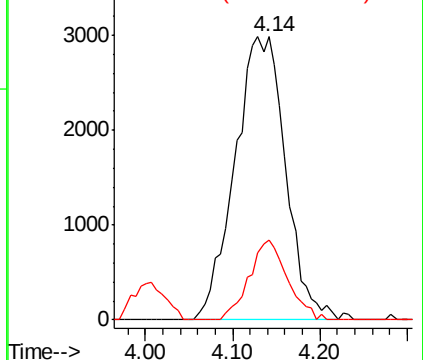
43 100

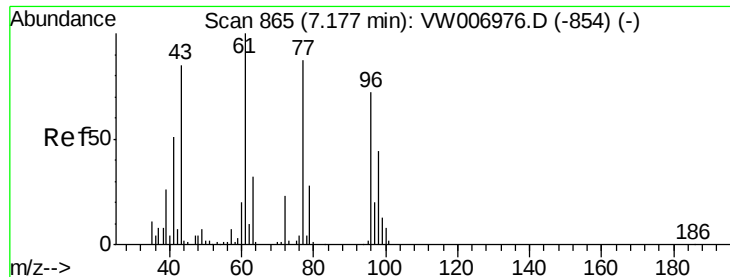
58 28.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 24.37 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007047.D

Acq: 26 Nov 2018 15:08

Instrument :

MSVOA_W

ClientSampleId :

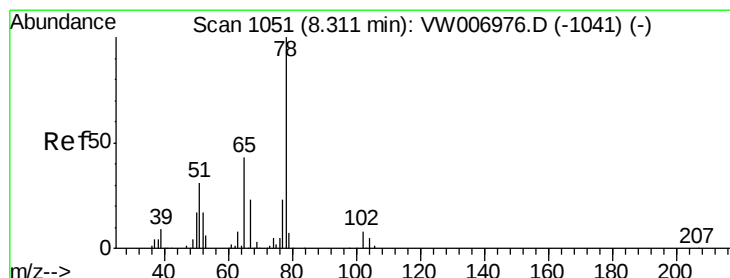
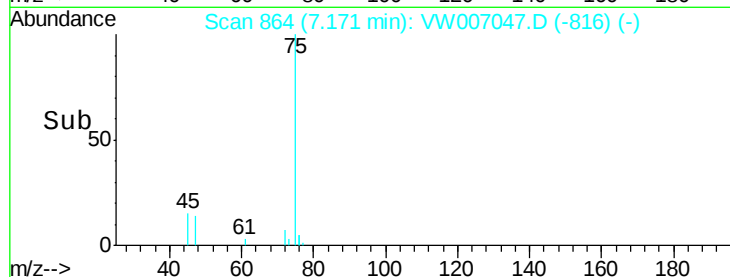
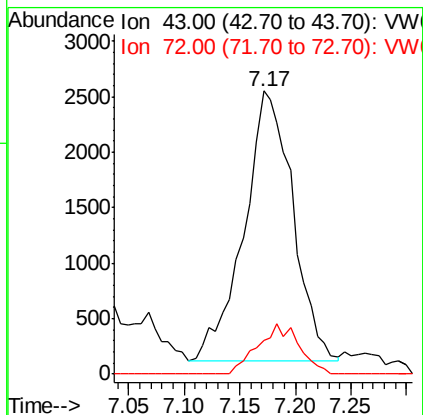
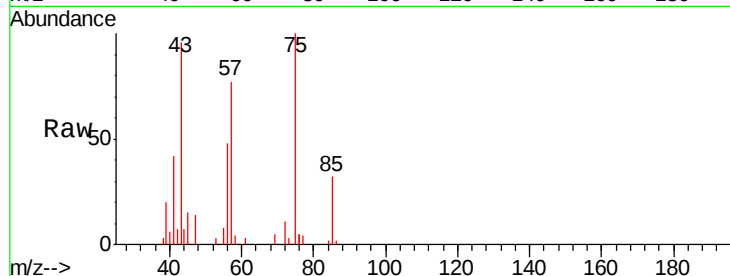
AOC2-03A

Tgt Ion: 43 Resp: 7377

Ion Ratio Lower Upper

43 100

72 12.4 21.3 31.9#



#33

1,2-Dichloroethane-d4

Concen: 44.51 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW007047.D

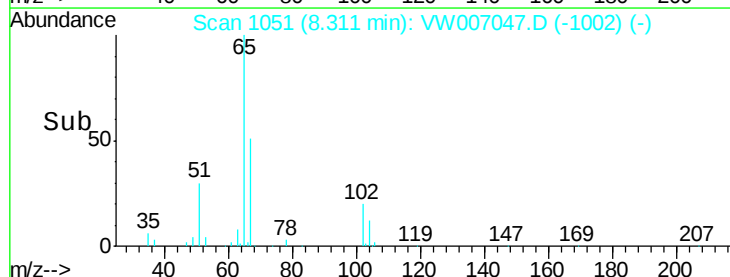
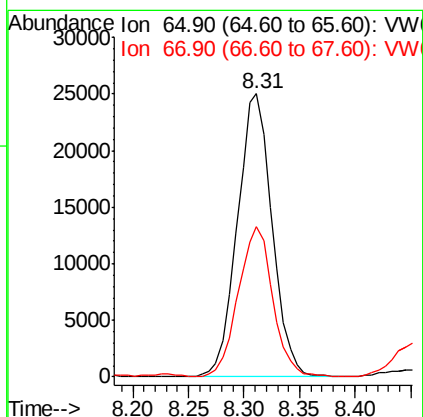
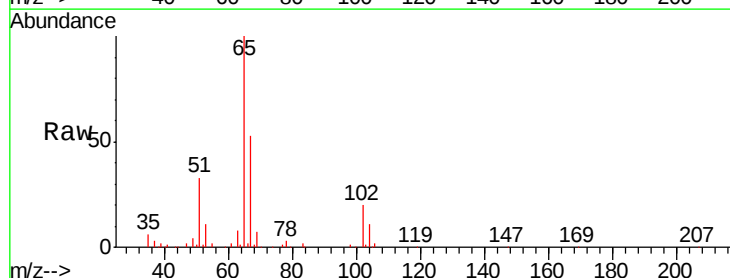
Acq: 26 Nov 2018 15:08

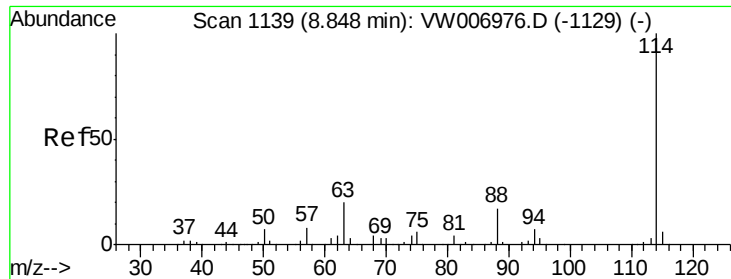
Tgt Ion: 65 Resp: 54168

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2

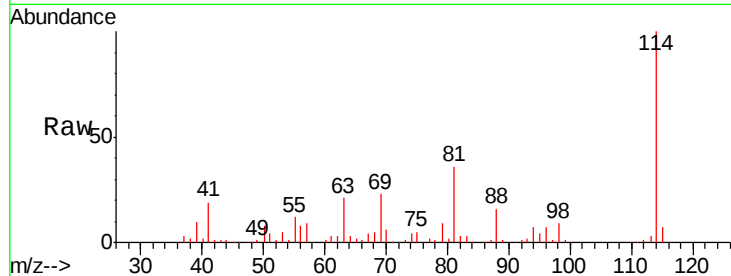




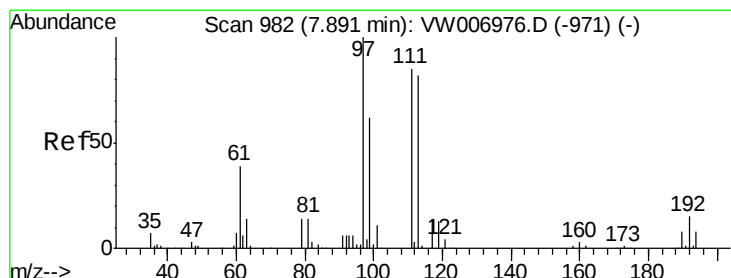
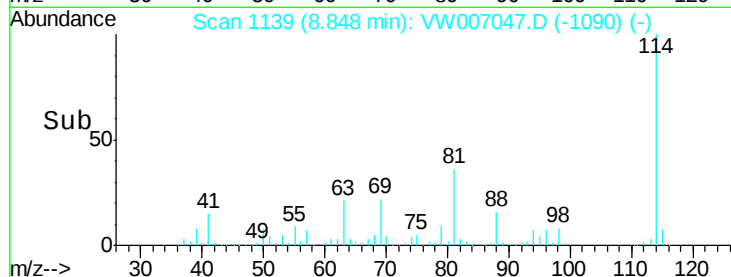
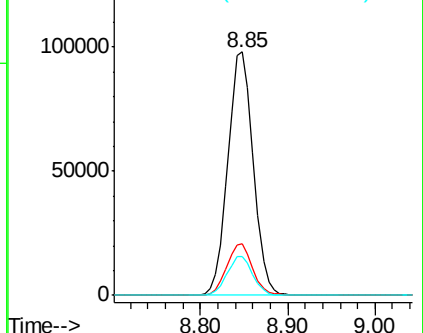
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007047.D
 Acq: 26 Nov 2018 15:08

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-03A

Tgt Ion:114 Resp: 198034
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.4
 88 16.0 0.0 34.2

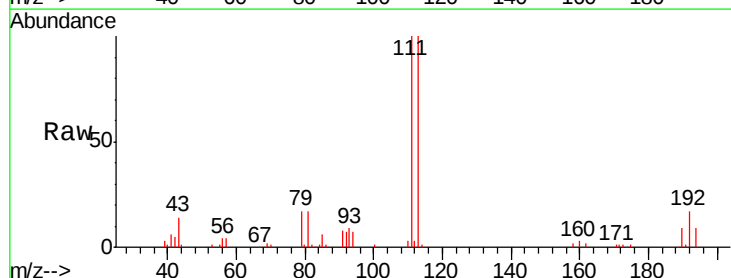


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

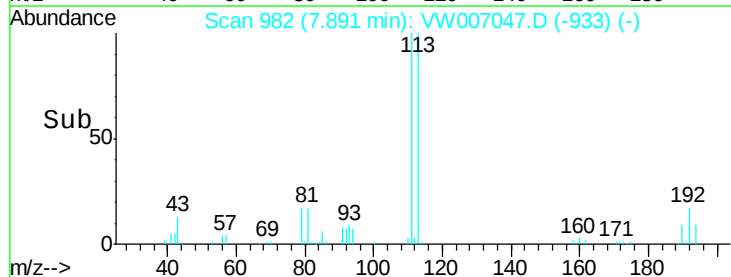
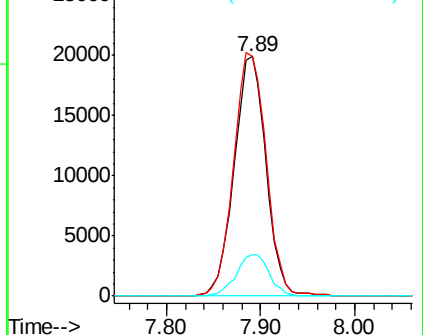


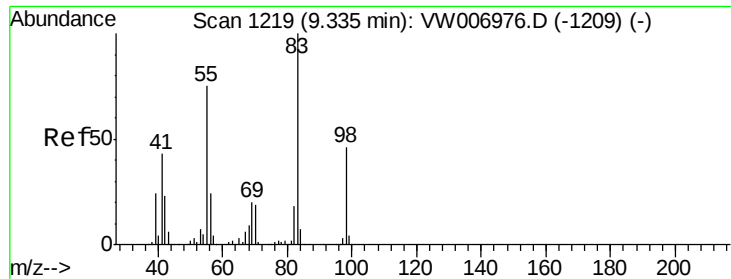
#35
 Dibromofluoromethane
 Concen: 41.92 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007047.D
 Acq: 26 Nov 2018 15:08

Tgt Ion:113 Resp: 46885
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.0 121.6
 192 17.9 15.0 22.6



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

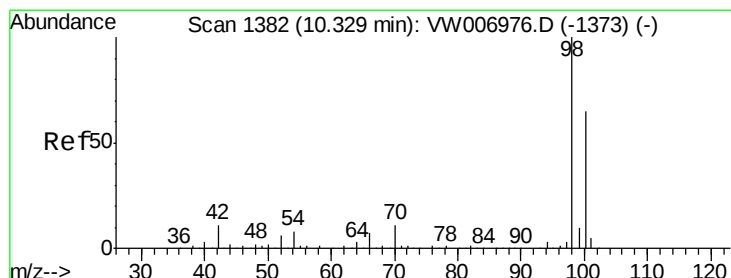
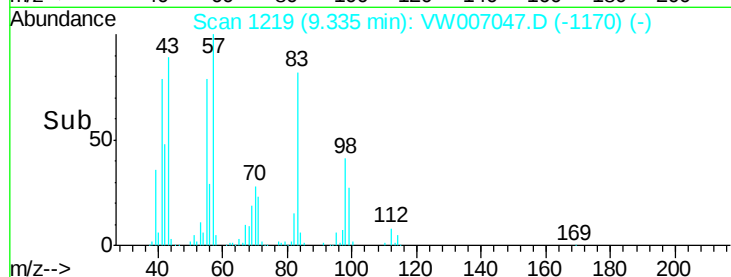
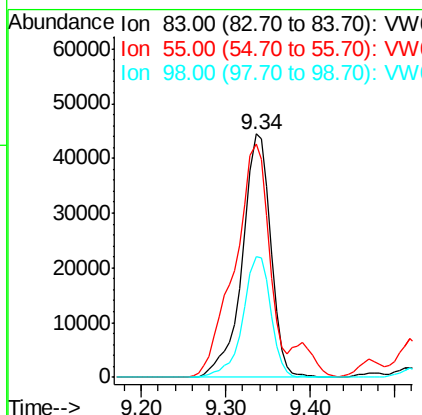
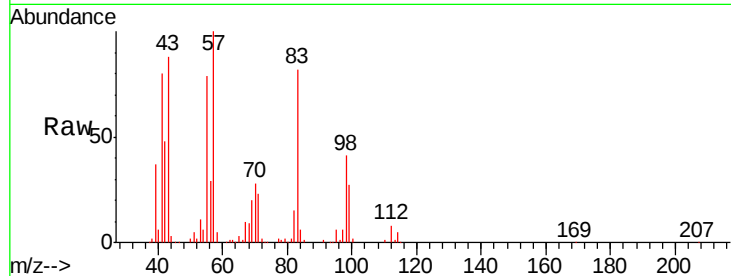




#39
Methylcyclohexane
Concen: 41.94 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

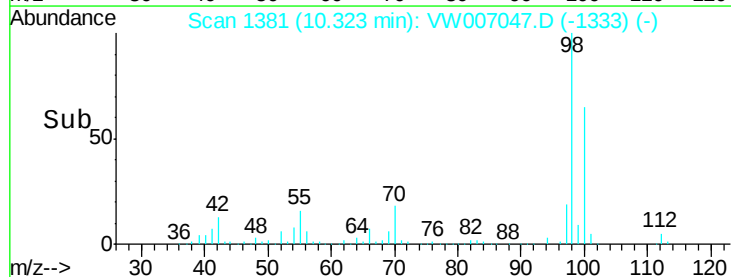
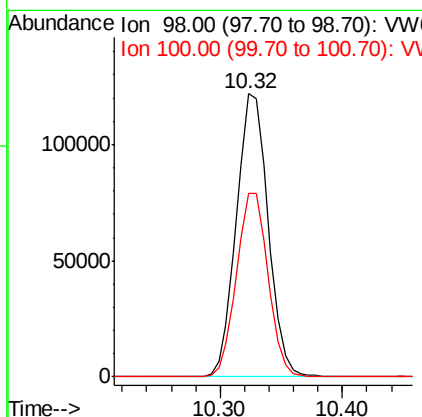
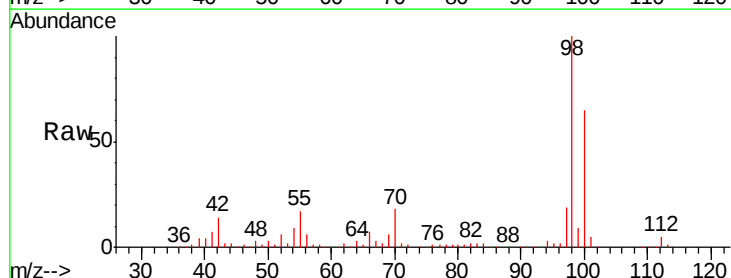
Instrument :
MSVOA_W
ClientSampleId :
AOC2-03A

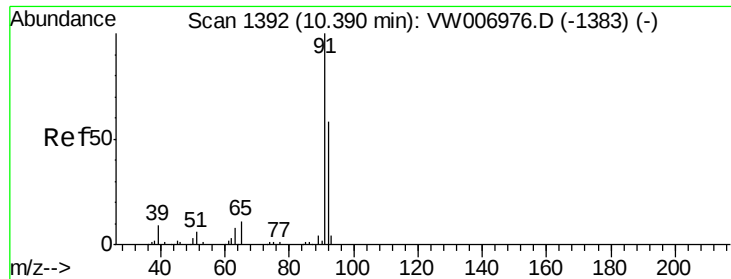
Tgt Ion: 83 Resp: 101562
Ion Ratio Lower Upper
83 100
55 95.4 59.6 89.4#
98 49.8 37.1 55.7



#50
Toluene-d8
Concen: 44.49 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

Tgt Ion: 98 Resp: 219710
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#52

Toluene

Concen: 2.13 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007047.D

Acq: 26 Nov 2018 15:08

Instrument :

MSVOA_W

ClientSampleId :

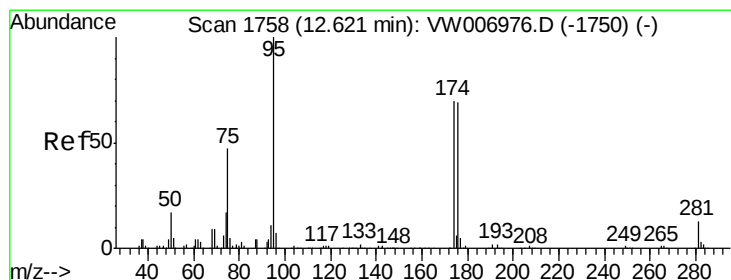
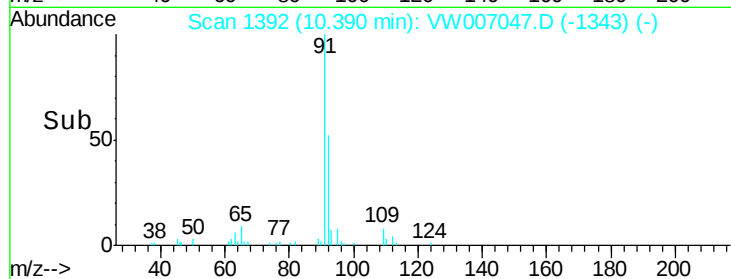
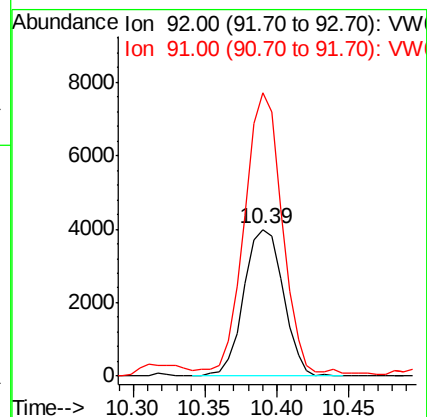
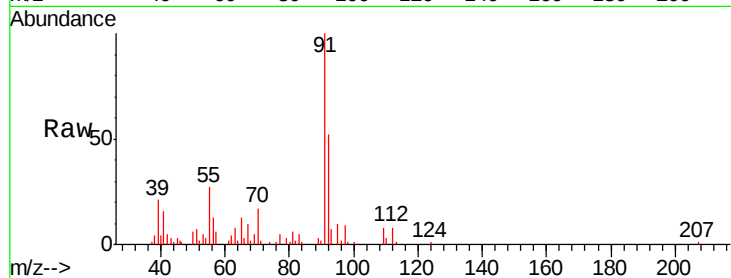
AOC2-03A

Tgt Ion: 92 Resp: 7562

Ion Ratio Lower Upper

92 100

91 182.1 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 46.02 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007047.D

Acq: 26 Nov 2018 15:08

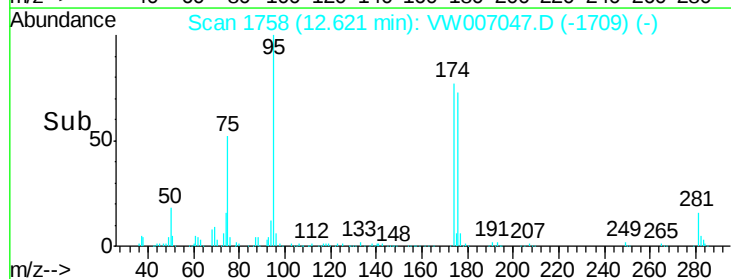
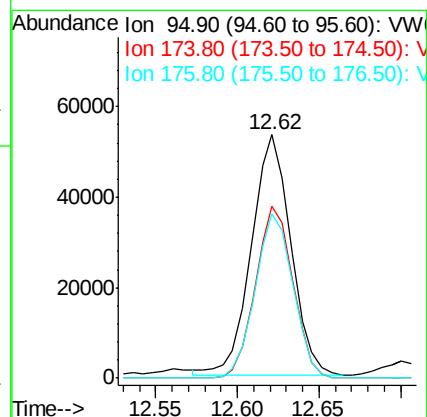
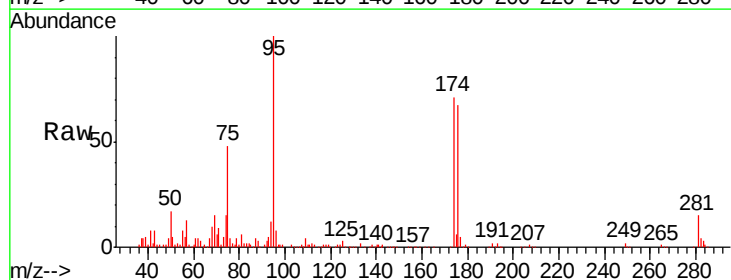
Tgt Ion: 95 Resp: 89442

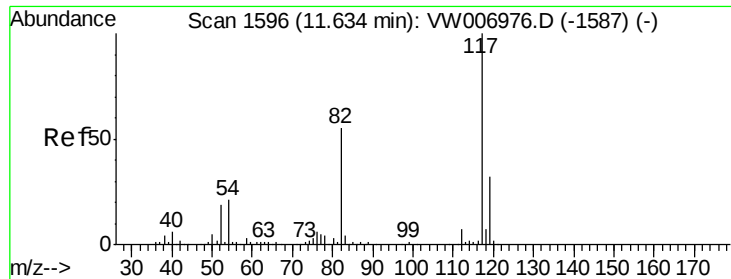
Ion Ratio Lower Upper

95 100

174 67.9 0.0 143.6

176 65.7 0.0 140.4

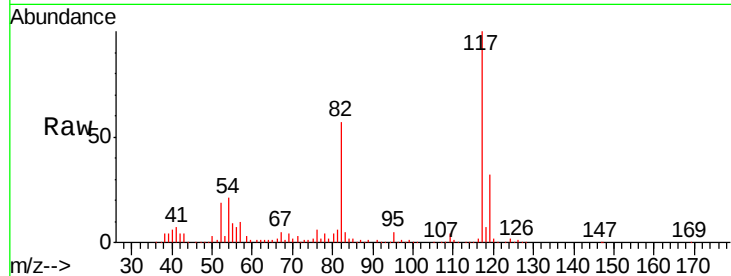




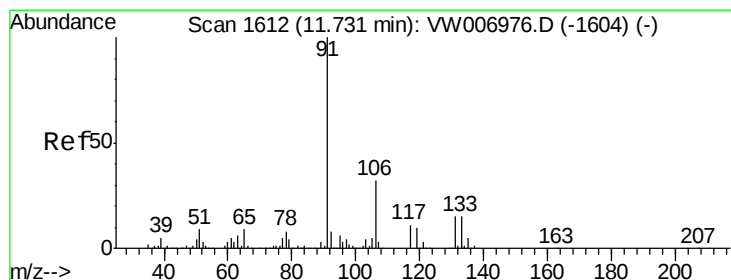
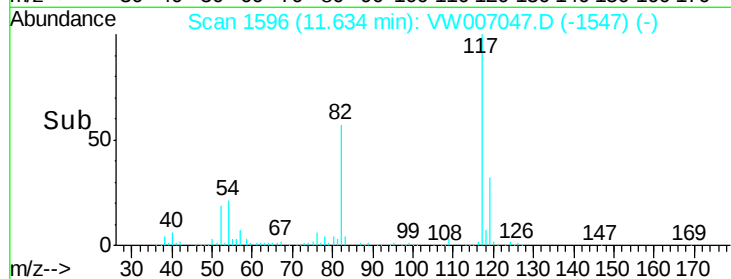
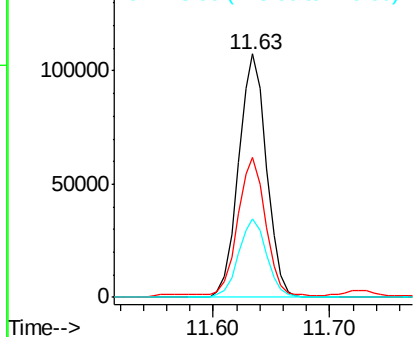
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

Instrument :
MSVOA_W
ClientSampleId :
AOC2-03A

Tgt Ion: 117 Resp: 178940
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 32.0 25.9 38.9

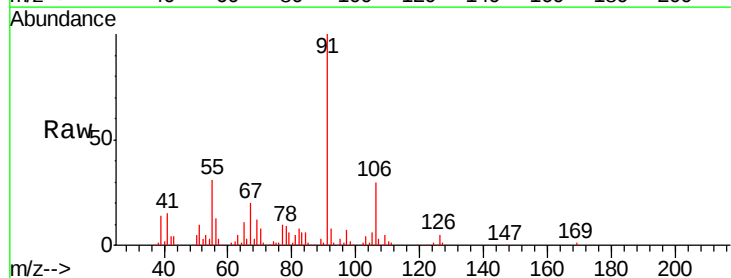


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

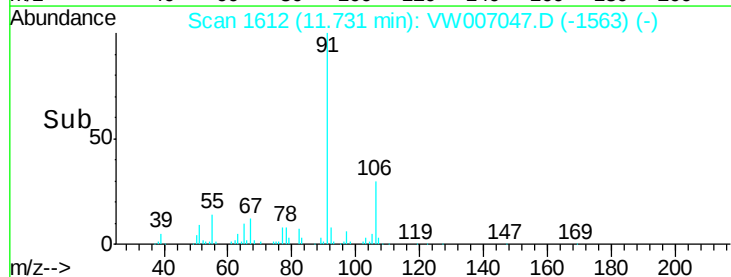
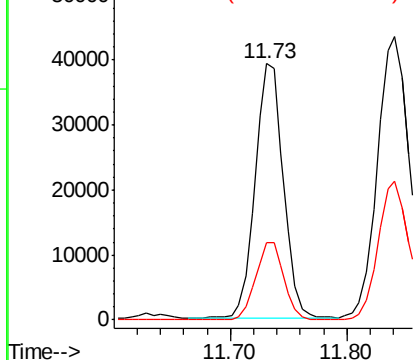


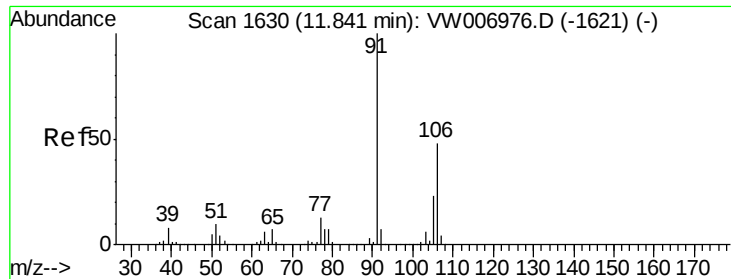
#67
Ethyl Benzene
Concen: 9.72 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

Tgt Ion: 91 Resp: 66707
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

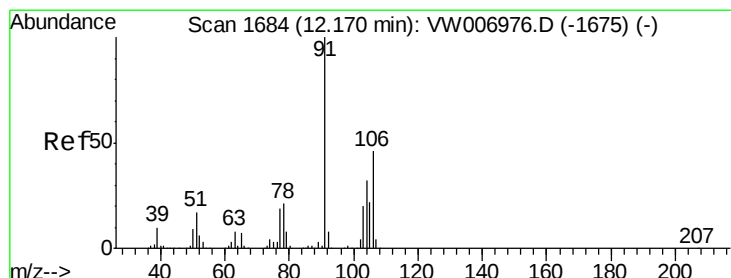
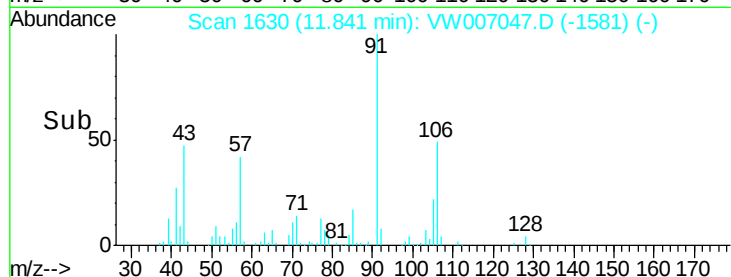
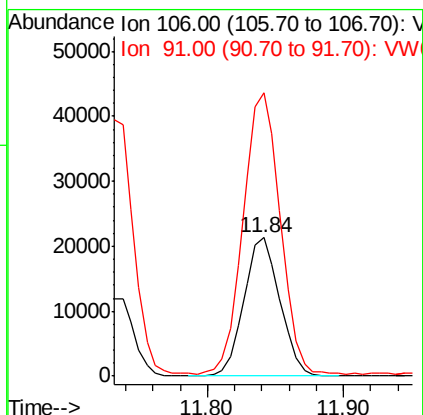
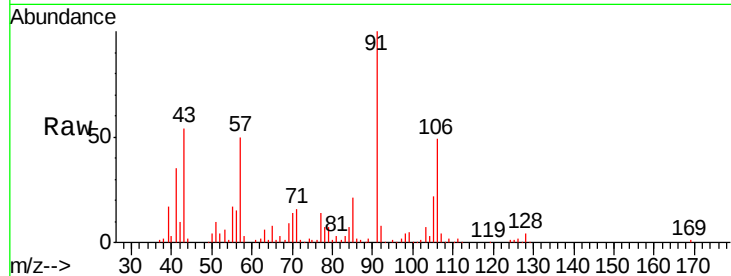




#68
m/p-Xylenes
Concen: 14.64 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

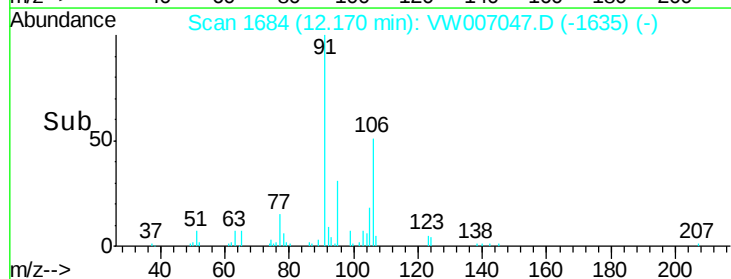
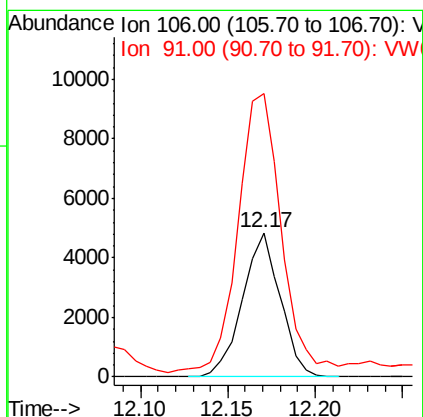
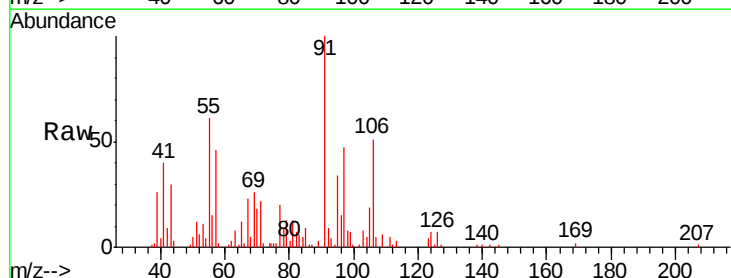
Instrument :
MSVOA_W
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AOC2-03A

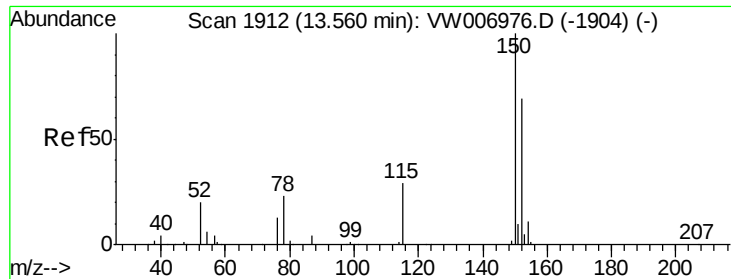
Tgt Ion:106 Resp: 39416
Ion Ratio Lower Upper
106 100
91 208.2 164.8 247.2



#69
o-Xylene
Concen: 2.86 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

Tgt Ion:106 Resp: 7254
Ion Ratio Lower Upper
106 100
91 219.4 107.9 323.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007047.D

Acq: 26 Nov 2018 15:08

Instrument :

MSVOA_W

ClientSampleId :

AOC2-03A

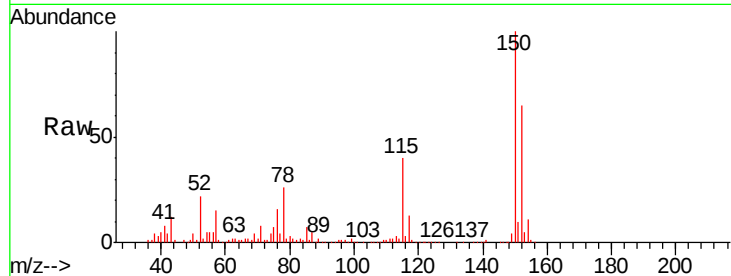
Tgt Ion:152 Resp: 86961

Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.2

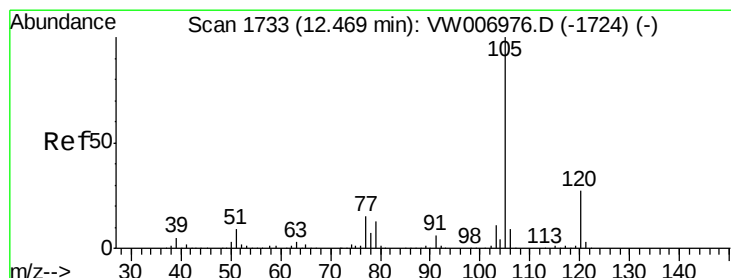
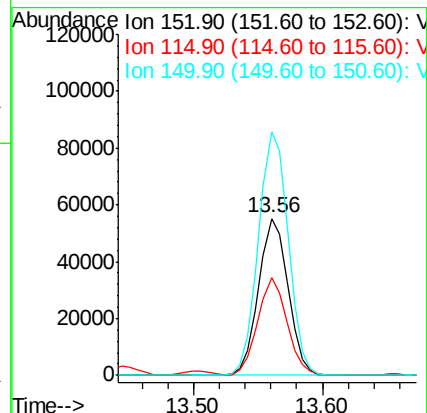
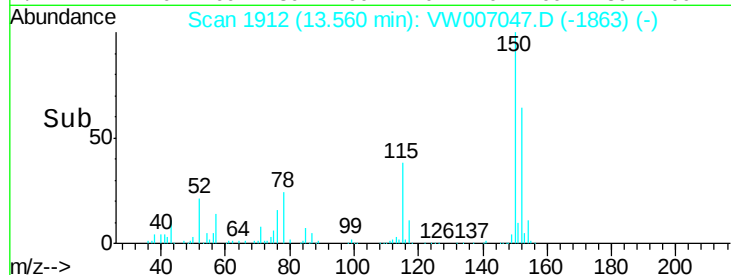
150 157.3 0.0 353.4



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: 4.92 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007047.D

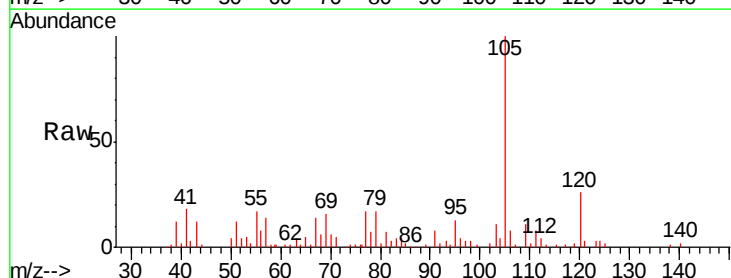
Acq: 26 Nov 2018 15:08

Tgt Ion:105 Resp: 33249

Ion Ratio Lower Upper

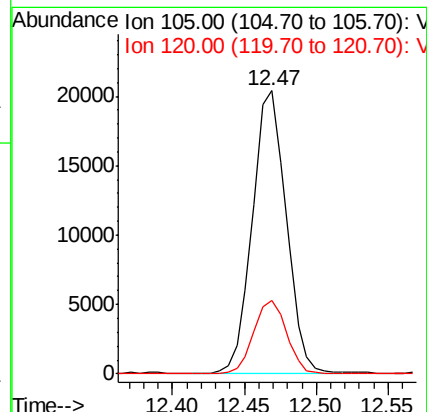
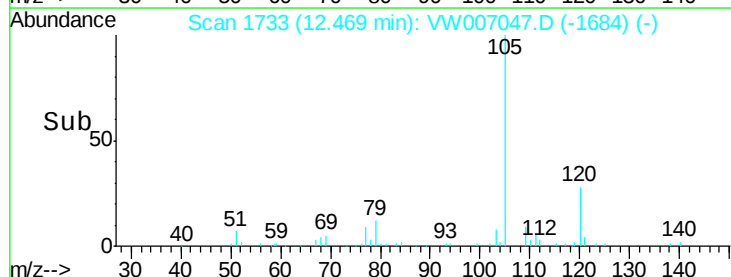
105 100

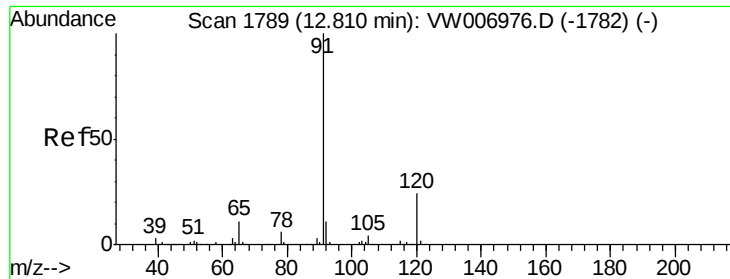
120 24.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 19.61 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007047.D

Acq: 26 Nov 2018 15:08

Instrument :

MSVOA_W

ClientSampleId :

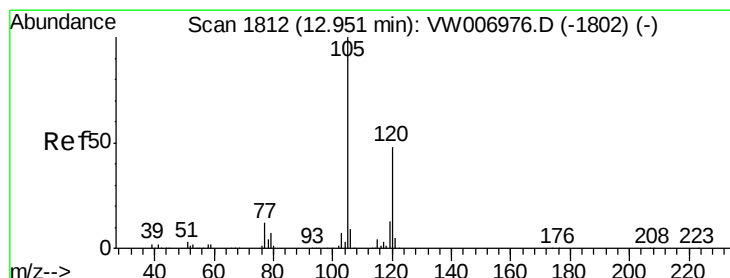
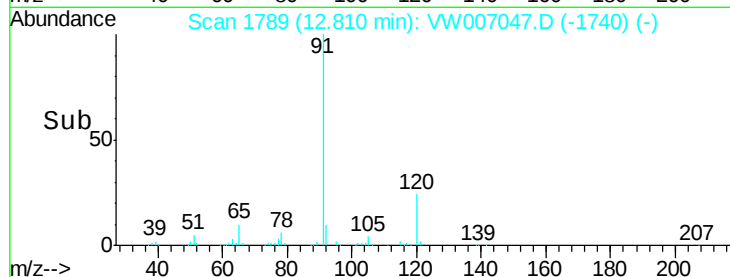
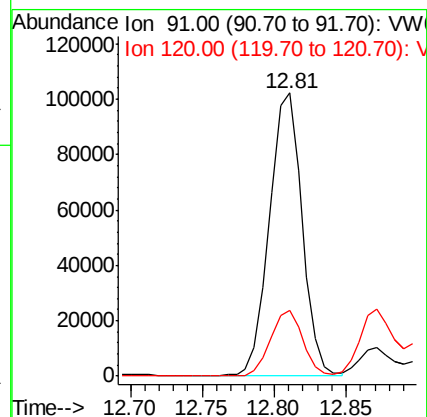
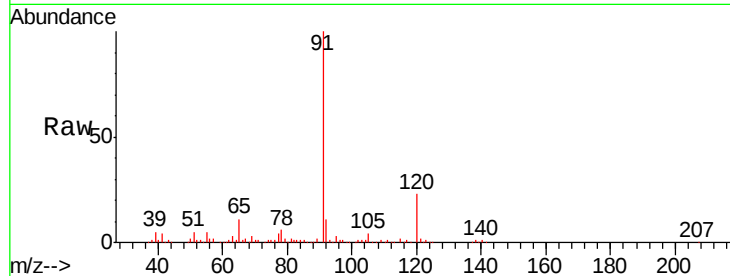
AOC2-03A

Tgt Ion: 91 Resp: 160570

Ion Ratio Lower Upper

91 100

120 23.2 11.7 35.1



#80

1,3,5-Trimethylbenzene

Concen: 13.65 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007047.D

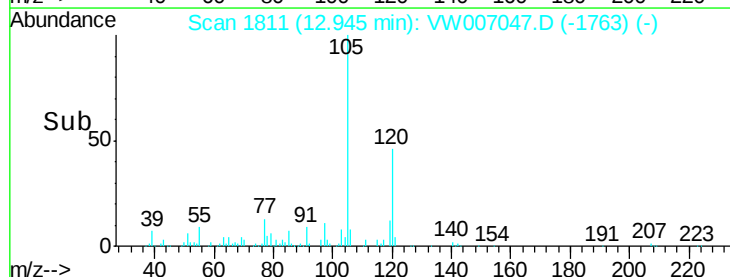
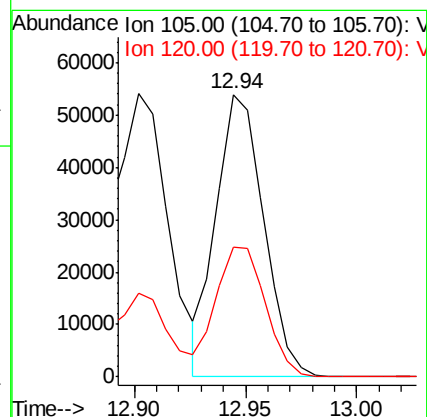
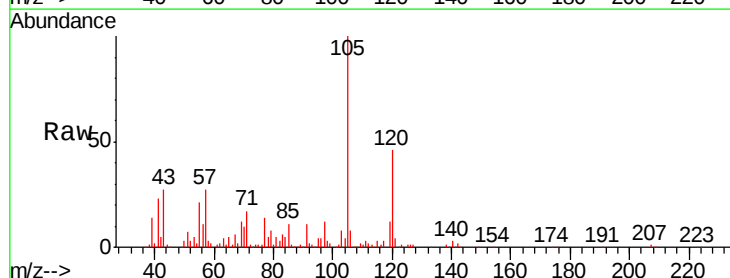
Acq: 26 Nov 2018 15:08

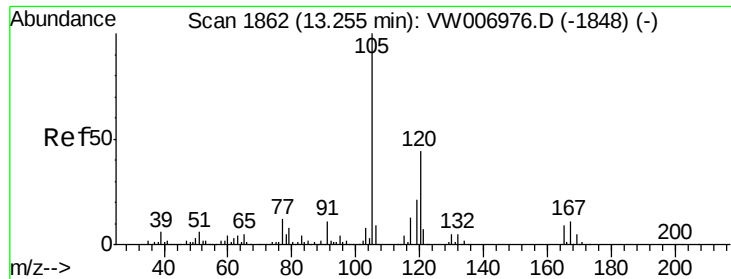
Tgt Ion: 105 Resp: 79794

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.2

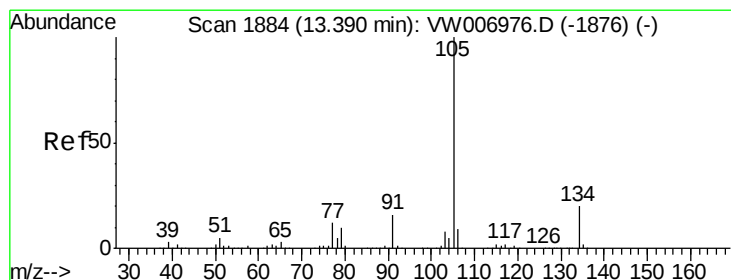
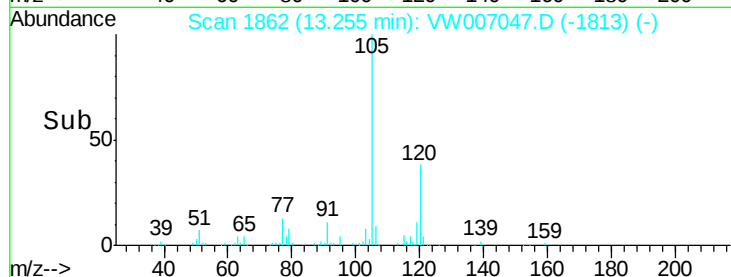
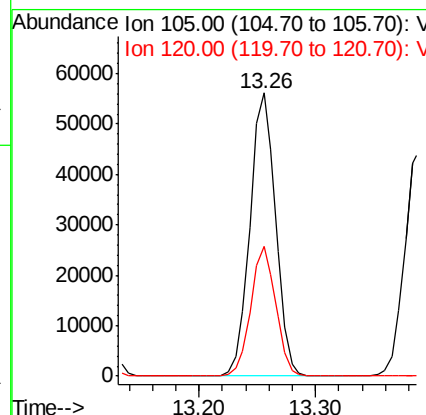
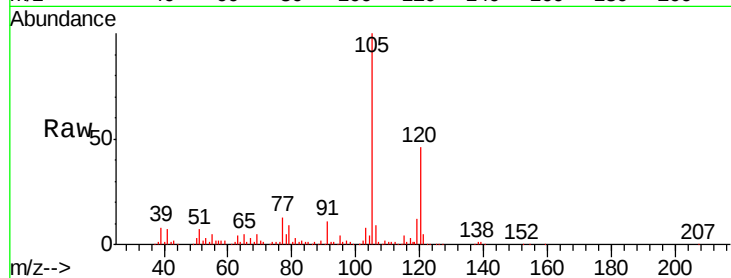




#84
1,2,4-Trimethylbenzene
Concen: 14.81 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

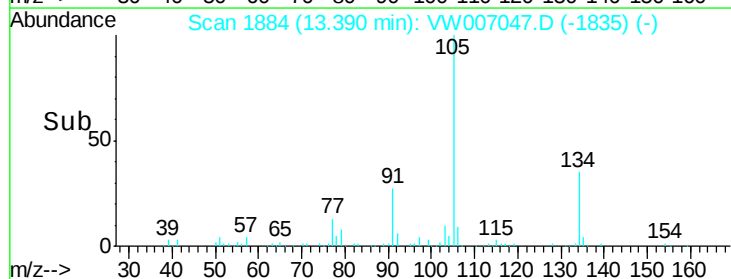
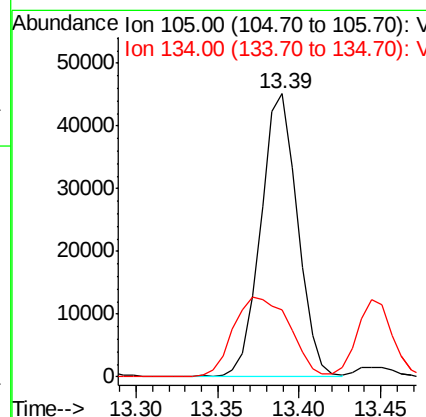
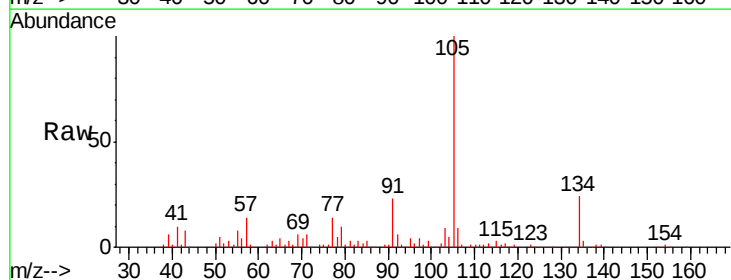
Instrument :
MSVOA_W
ClientSampleId :
AOC2-03A

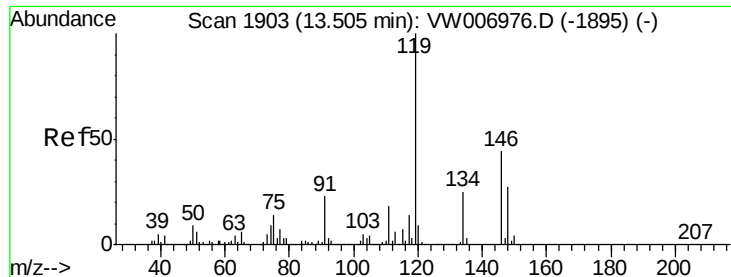
Tgt Ion:105 Resp: 86250
Ion Ratio Lower Upper
105 100
120 44.8 21.8 65.3



#85
sec-Butylbenzene
Concen: 9.82 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

Tgt Ion:105 Resp: 70212
Ion Ratio Lower Upper
105 100
134 43.5 9.8 29.3#

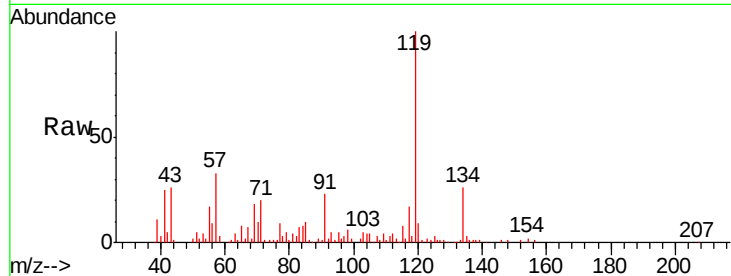




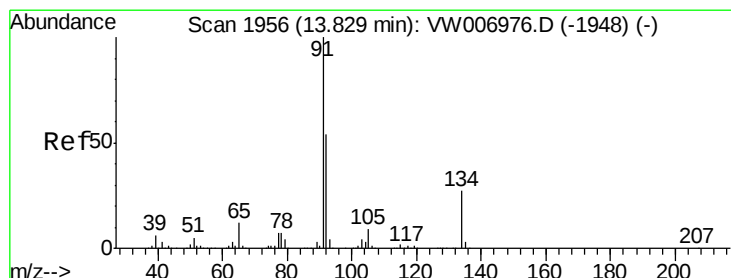
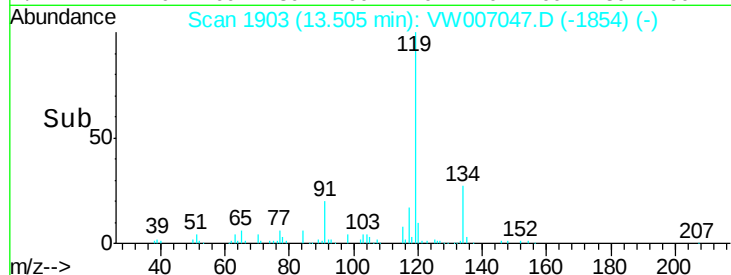
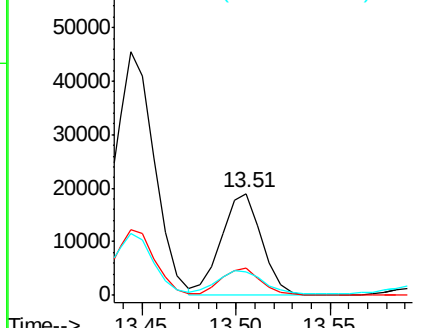
#86
p-Isopropyltoluene
Concen: 4.44 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

Instrument :
MSVOA_W
ClientSampled :
AOC2-03A

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.8	38.3
91	25.4	12.2	36.6

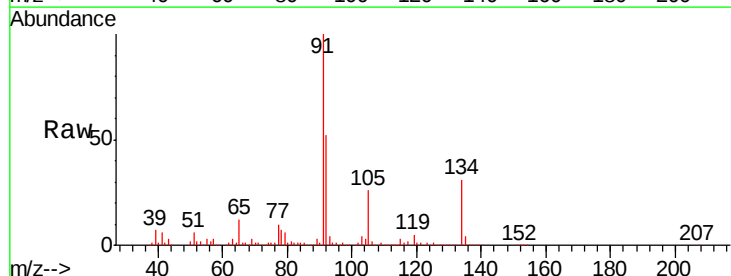


Abundance Ion 119.00 (118.70 to 119.70): VW
Ion 134.00 (133.70 to 134.70): VW
Ion 91.00 (90.70 to 91.70): VW



#89
n-Butylbenzene
Concen: 22.38 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007047.D
Acq: 26 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.0	26.8	80.4
134	0.0	13.3	39.8#



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): VW

