

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013047.D
 Acq On : 16 Sep 2019 17:42
 Operator : SY/VA
 Sample : K4850-04RE
 Misc : 5.26G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(8)RE

Quant Time: Sep 17 07:48:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	47697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	68258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	51938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	23691	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
35) Dibromofluoromethane	7.88	113	19891	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
50) Toluene-d8	10.32	98	79592	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	12.62	95	20319	38.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.98%	

Target Compounds

						Qvalue
16) Acetone	4.13	43	4915	34.574	ug/l	92
17) Carbon Disulfide	4.37	76	6859	10.454	ug/l	97
40) Benzene	8.32	78	25802	16.945	ug/l	95
52) Toluene	10.38	92	17925	18.526	ug/l	99
67) Ethyl Benzene	11.73	91	7333	4.292	ug/l	92
68) m/p-Xylenes	11.84	106	8989	14.401	ug/l	99
69) o-Xylene	12.16	106	4395	7.511	ug/l	98
70) Styrene	12.18	104	48729	46.811	ug/l	93
73) Isopropylbenzene	12.46	105	2032	2.049	ug/l	90
80) 1,3,5-Trimethylbenzene	12.94	105	3279	3.909	ug/l	79
84) 1,2,4-Trimethylbenzene	13.25	105	8744	10.549	ug/l	93
95) Naphthalene	15.36	128	112503	237.426	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013047.D

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Instrument :

MSVOA_W

ClientSampleId :

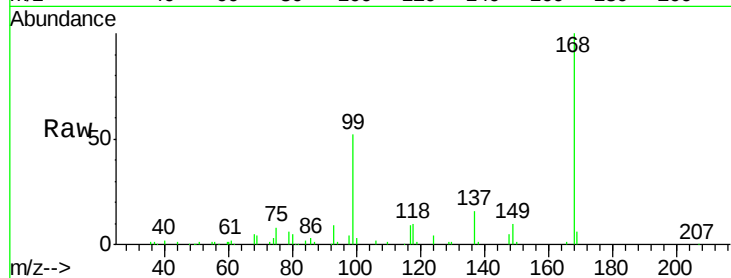
AOC-7(8)RE

Tot Ion:168 Resp: 47697

Ion Ratio Lower Upper

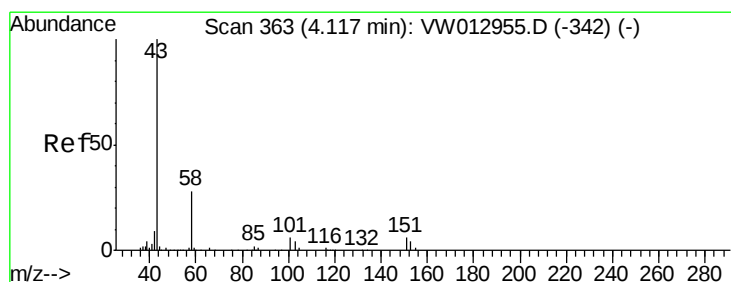
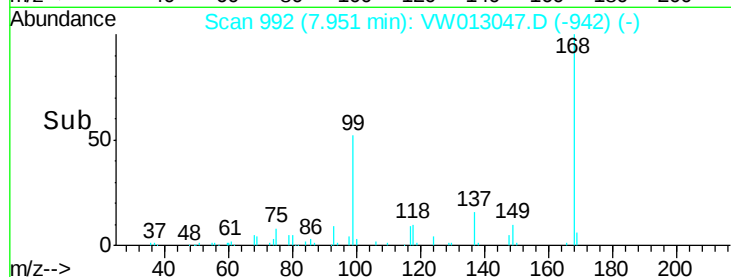
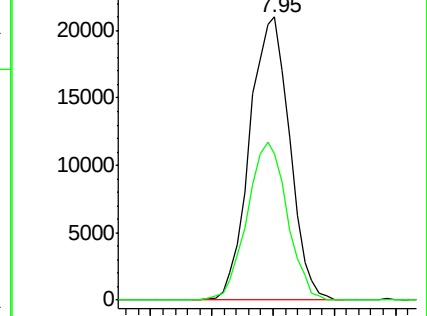
168 100

99 51.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 34.574 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013047.D

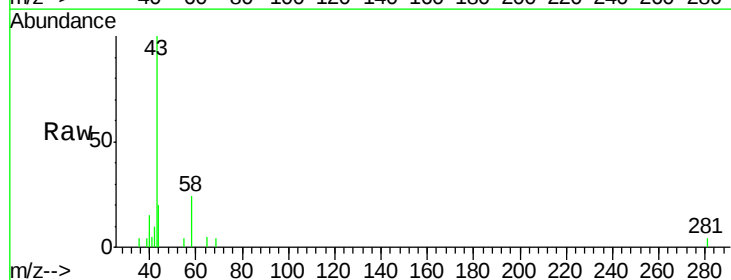
Acq: 16 Sep 2019 17:42

Tgt Ion: 43 Resp: 4915

Ion Ratio Lower Upper

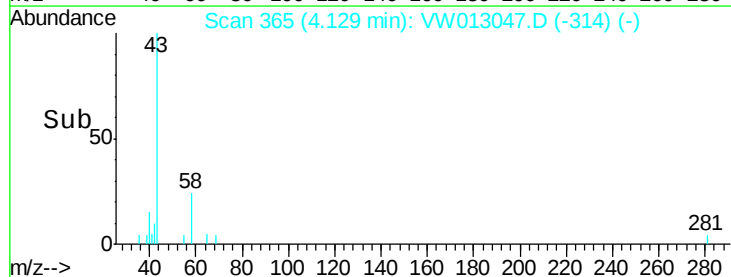
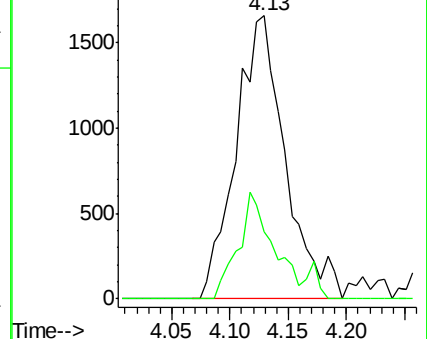
43 100

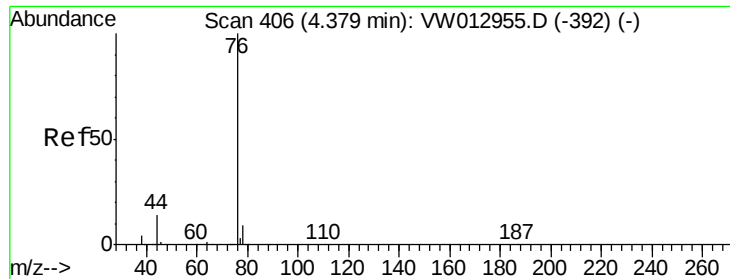
58 23.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

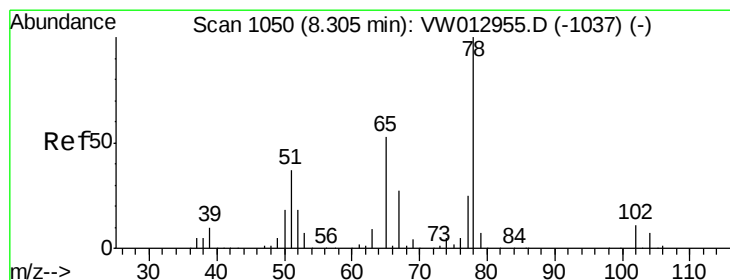
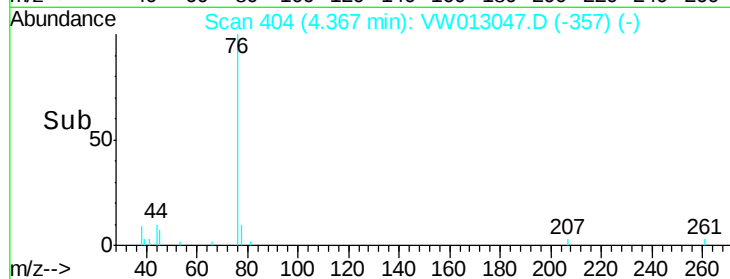
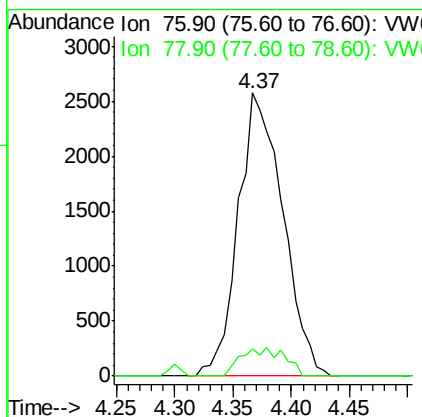
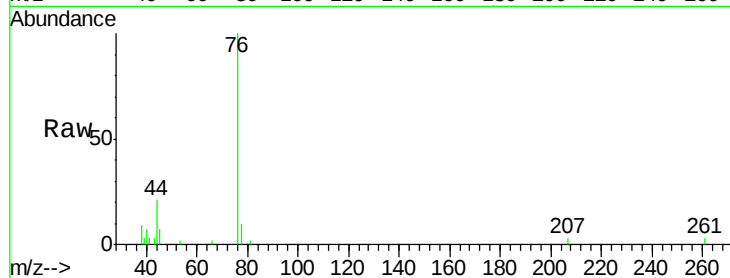




#17
Carbon Disulfide
Concen: 10.454 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

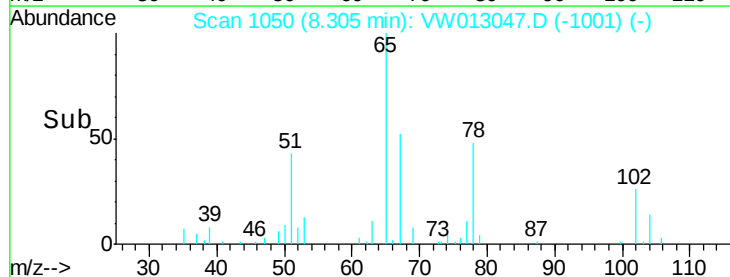
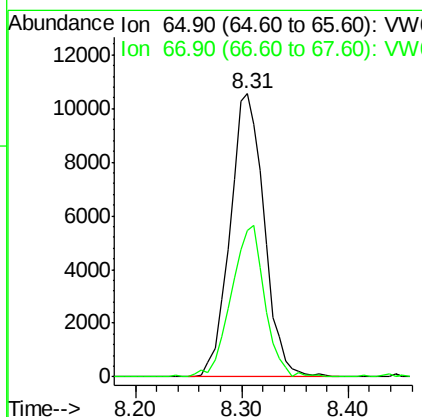
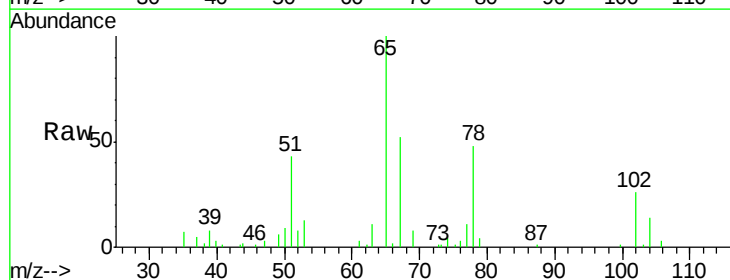
Instrument :
MSVOA_W
ClientSampled :
AOC-7(8)RE

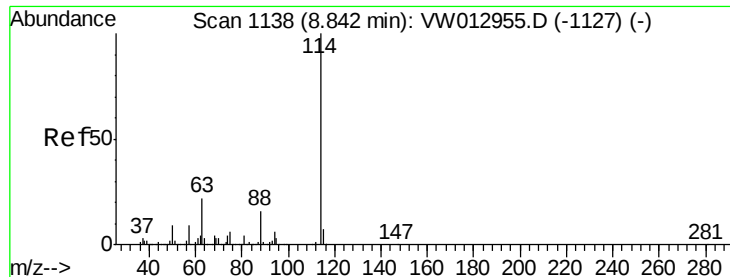
Tot Ion: 76 Resp: 6859
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4



#33
1,2-Dichloroethane-d4
Concen: 53.780 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

Tgt Ion: 65 Resp: 23691
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.2

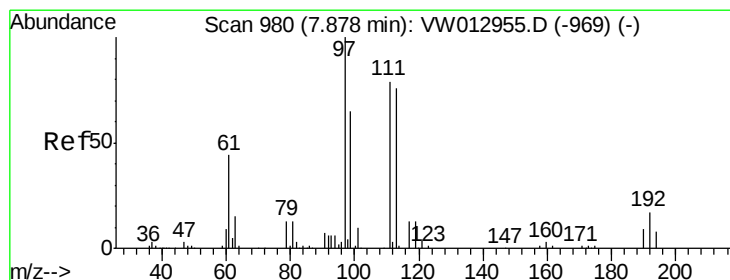
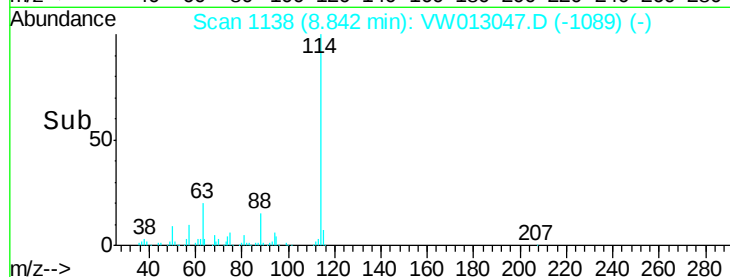
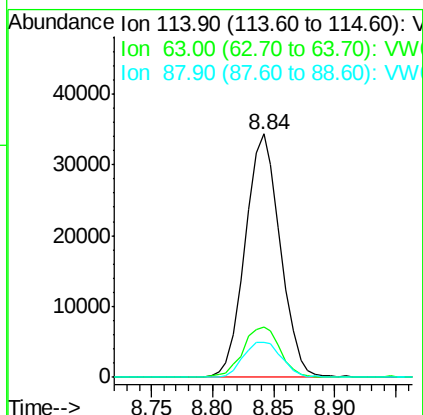
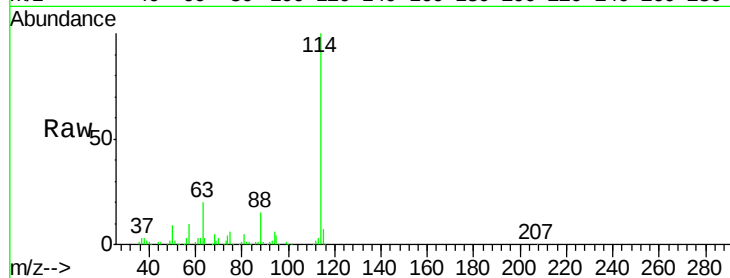




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

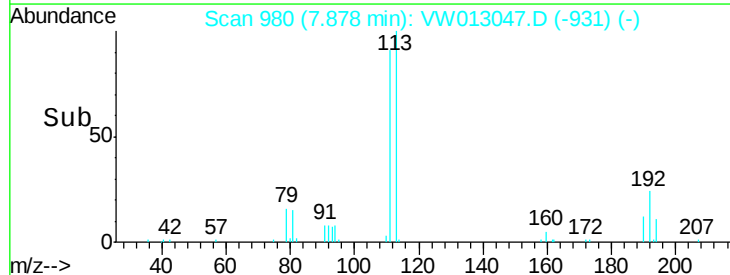
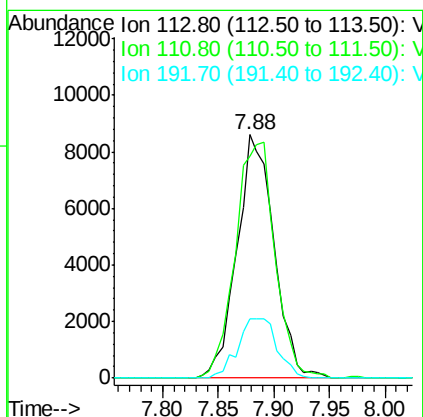
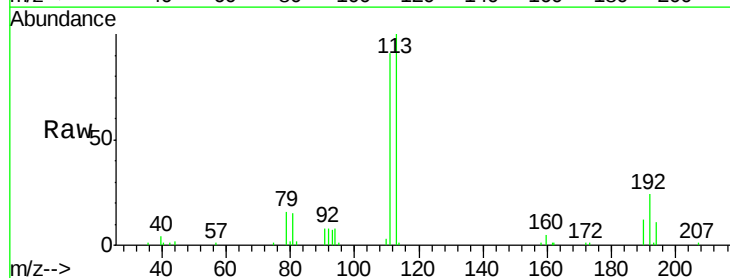
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(8)RE

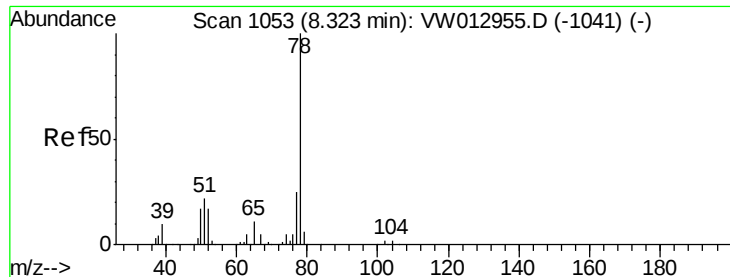
Tot Ion:114 Resp: 68258
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.4
88 14.5 0.0 31.6



#35
Dibromofluoromethane
Concen: 53.705 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

Tgt Ion:113 Resp: 19891
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 26.1 17.8 26.8





#40

Benzene

Concen: 16.945 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013047.D

Acq: 16 Sep 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

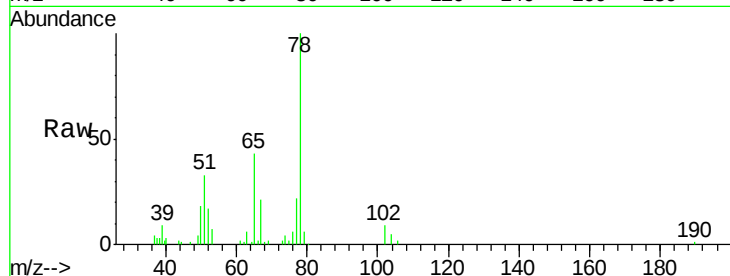
AOC-7(8)RE

Tot Ion: 78 Resp: 25802

Ion Ratio Lower Upper

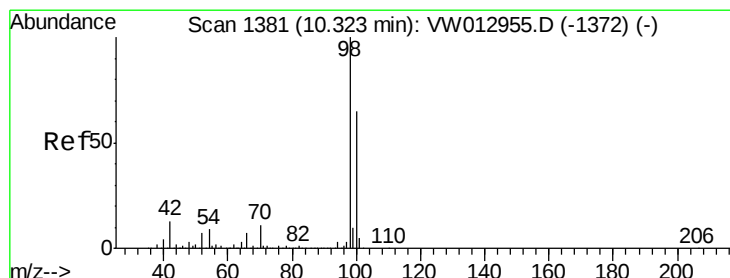
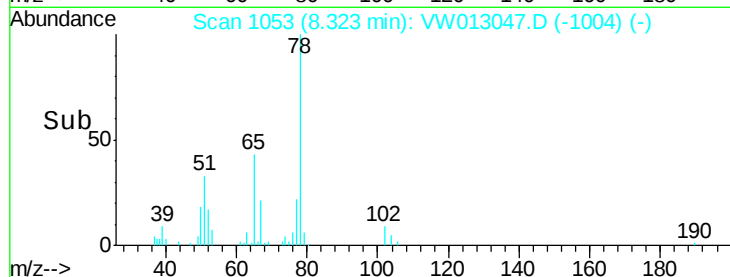
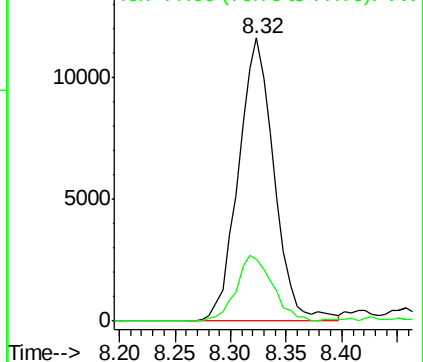
78 100

77 22.0 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 54.917 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013047.D

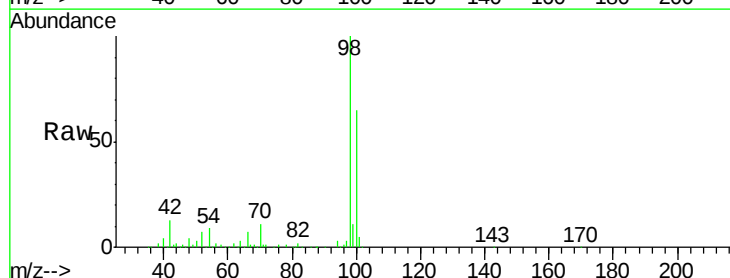
Acq: 16 Sep 2019 17:42

Tgt Ion: 98 Resp: 79592

Ion Ratio Lower Upper

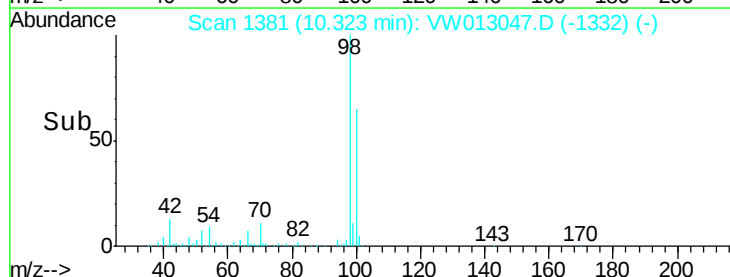
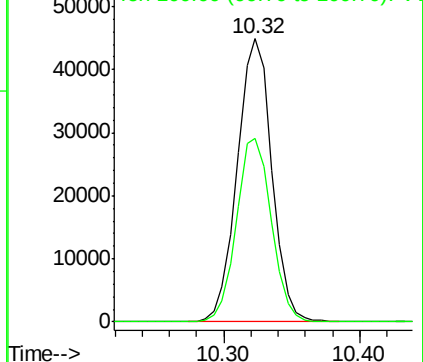
98 100

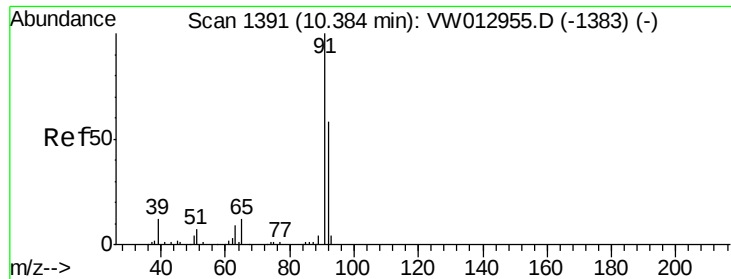
100 65.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 18.526 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013047.D

Acq: 16 Sep 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

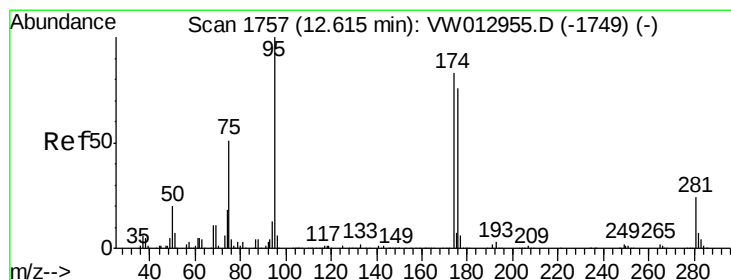
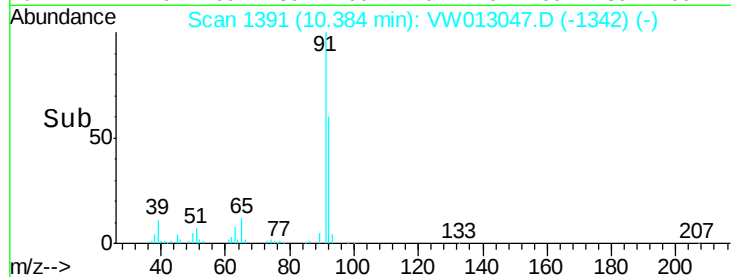
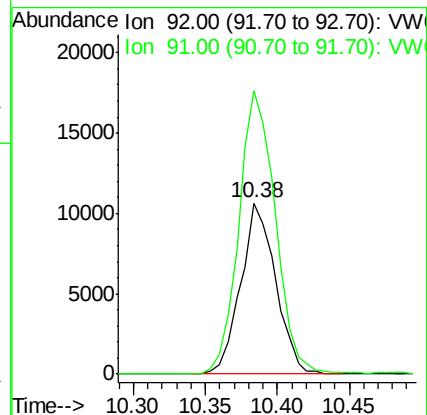
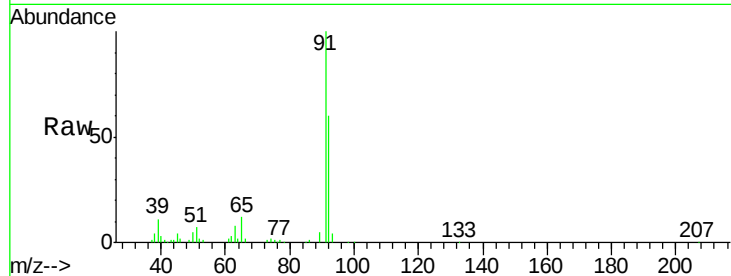
AOC-7(8)RE

Tot Ion: 92 Resp: 17925

Ion Ratio Lower Upper

92 100

91 173.4 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 38.989 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013047.D

Acq: 16 Sep 2019 17:42

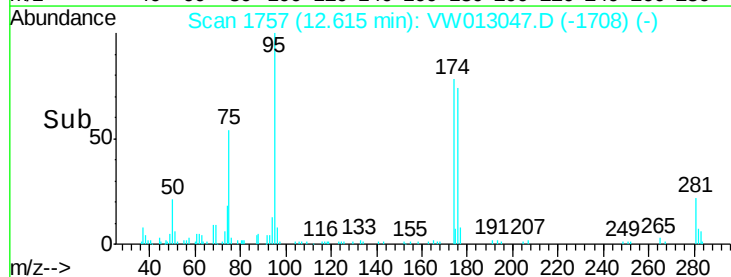
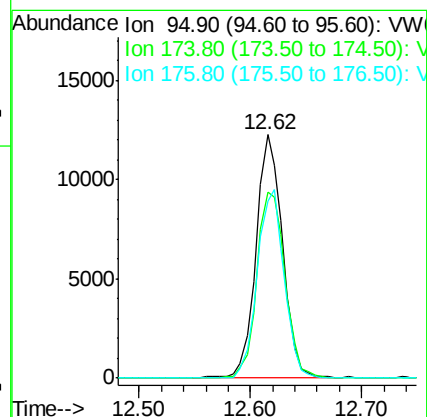
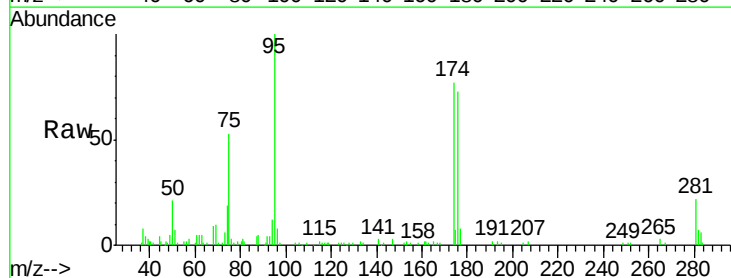
Tgt Ion: 95 Resp: 20319

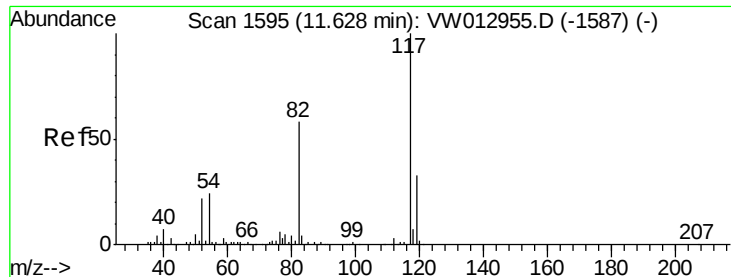
Ion Ratio Lower Upper

95 100

174 81.5 0.0 170.4

176 78.4 0.0 164.6

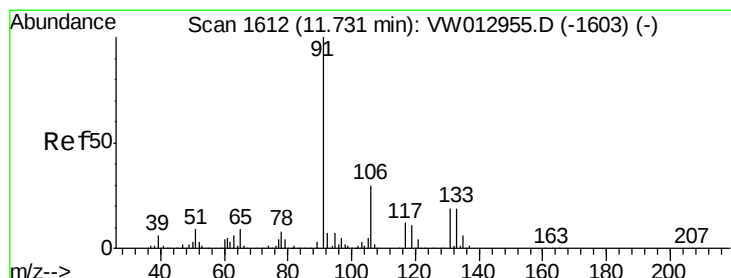
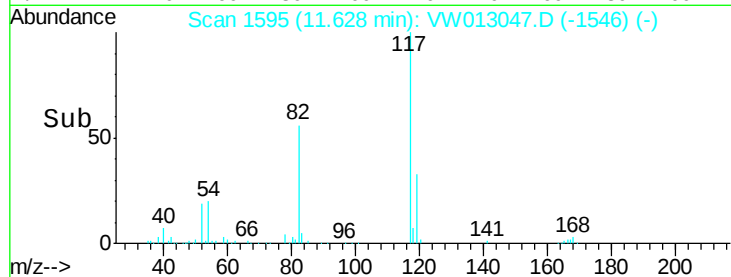
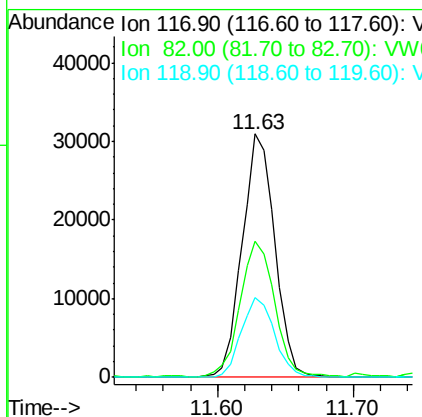
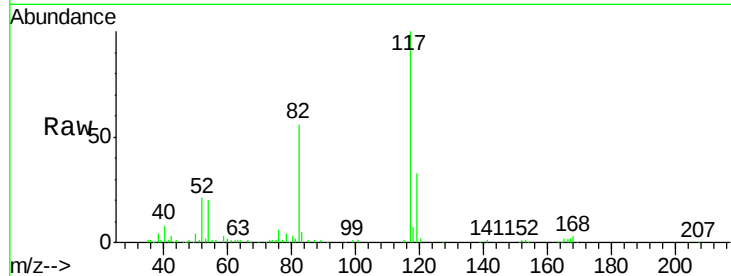




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

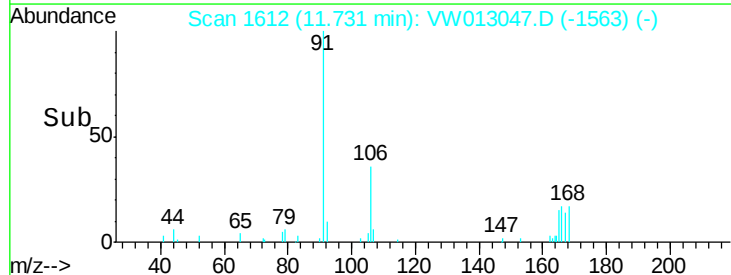
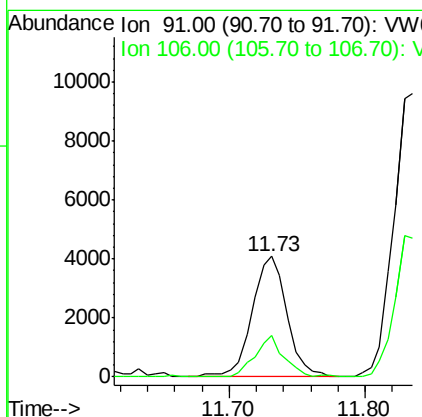
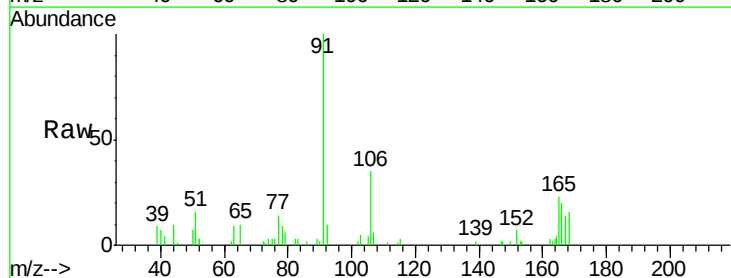
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(8)RE

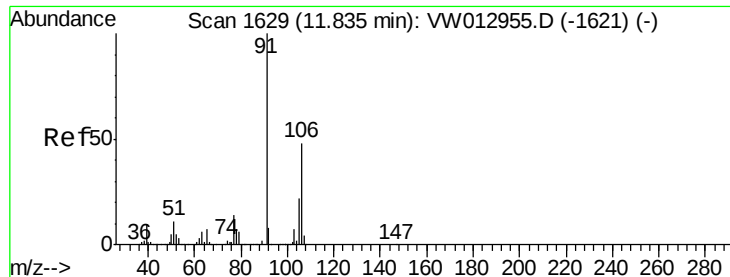
Tot Ion:117 Resp: 51938
Ion Ratio Lower Upper
117 100
82 55.8 46.3 69.5
119 32.9 26.2 39.4



#67
Ethyl Benzene
Concen: 4.292 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

Tgt Ion: 91 Resp: 7333
Ion Ratio Lower Upper
91 100
106 34.9 24.3 36.5

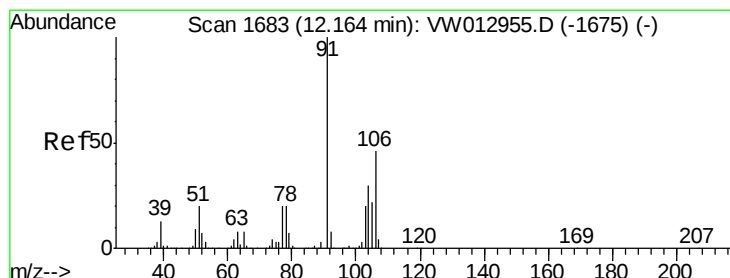
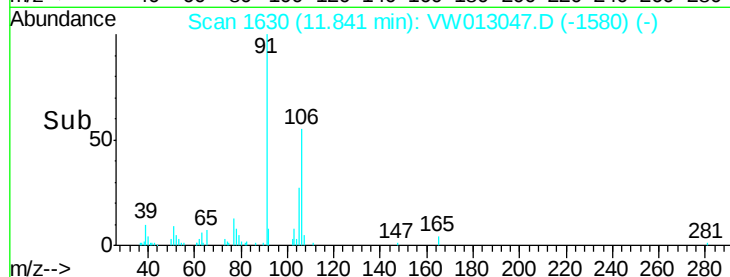
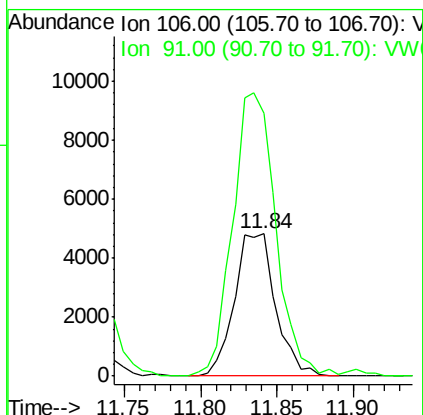
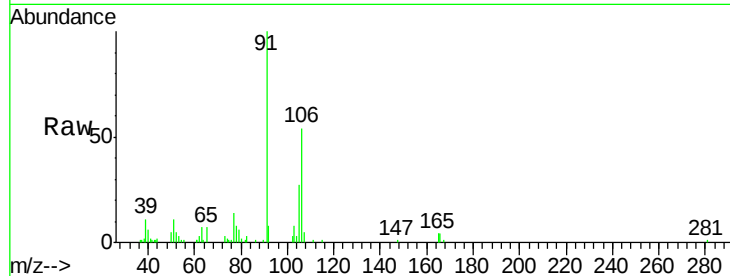




#68
m/p-Xylenes
Concen: 14.401 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

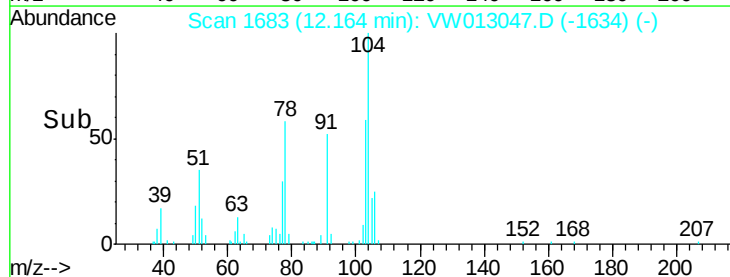
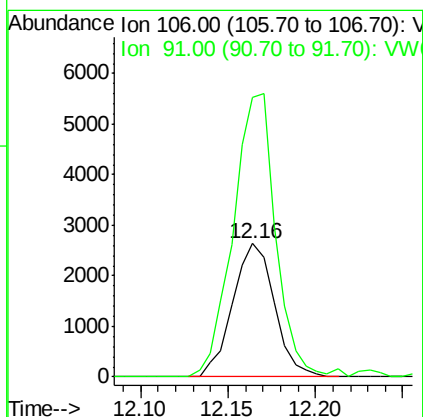
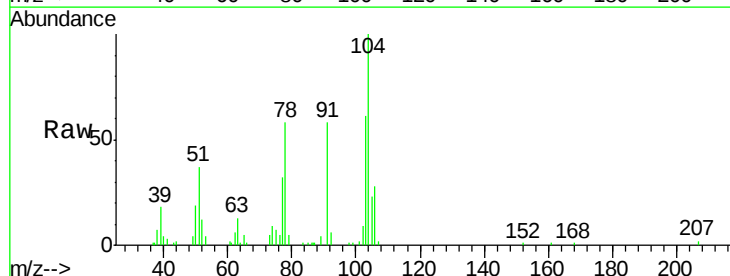
Instrument :
MSVOA_W
ClientSampled :
AOC-7(8)RE

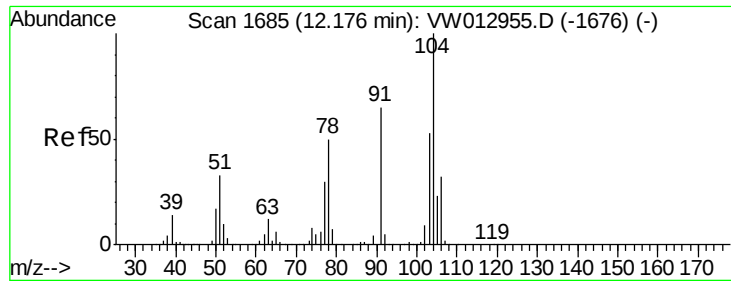
Tot Ion:106 Resp: 8989
Ion Ratio Lower Upper
106 100
91 208.3 165.8 248.8



#69
o-Xylene
Concen: 7.511 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

Tgt Ion:106 Resp: 4395
Ion Ratio Lower Upper
106 100
91 215.9 109.7 329.0

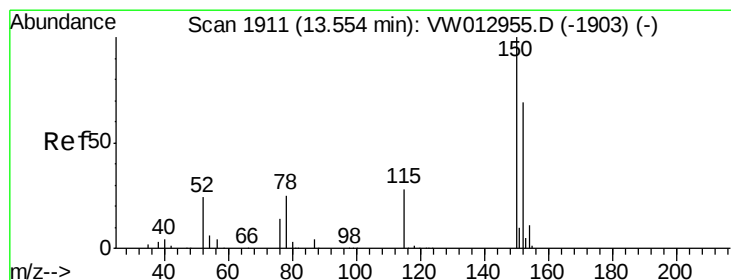
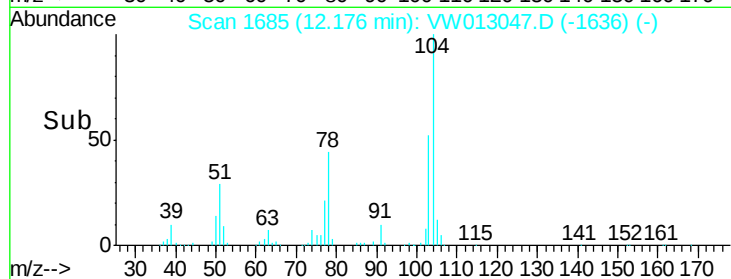
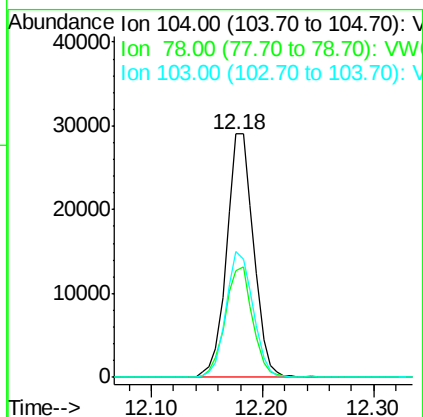
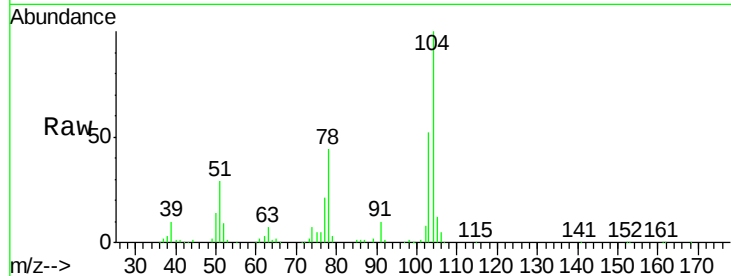




#70
Stvrene
Concen: 46.811 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

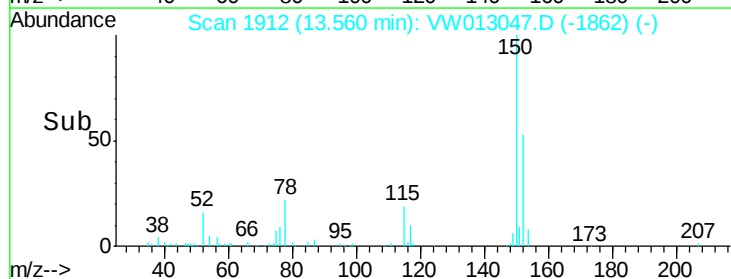
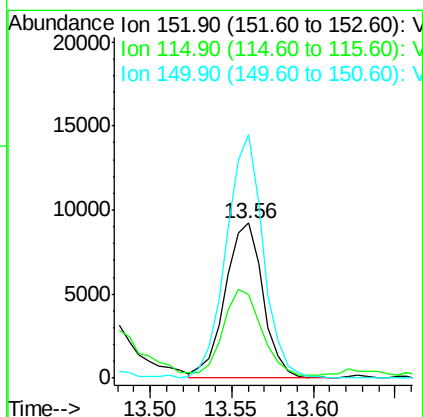
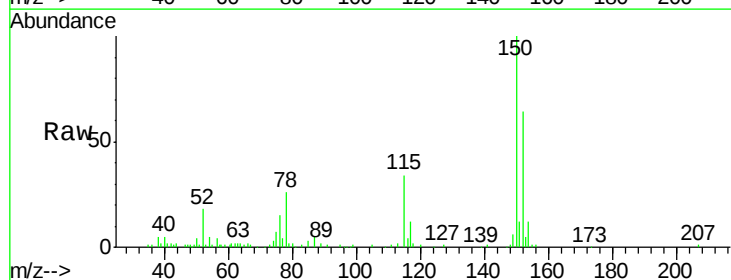
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(8)RE

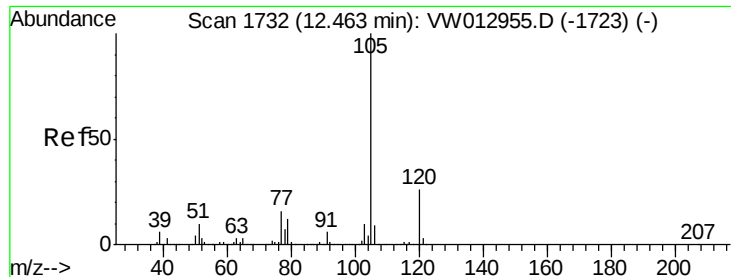
Tot Ion:104 Resp: 48729
Ion Ratio Lower Upper
104 100
78 46.3 42.1 63.1
103 51.6 44.2 66.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013047.D
Acq: 16 Sep 2019 17:42

Tgt Ion:152 Resp: 14959
Ion Ratio Lower Upper
152 100
115 54.6 28.8 86.4
150 152.3 0.0 340.2





#73

Isopropylbenzene

Concen: 2.049 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013047.D

Acq: 16 Sep 2019 17:42

Instrument :

MSVOA_W

ClientSampled :

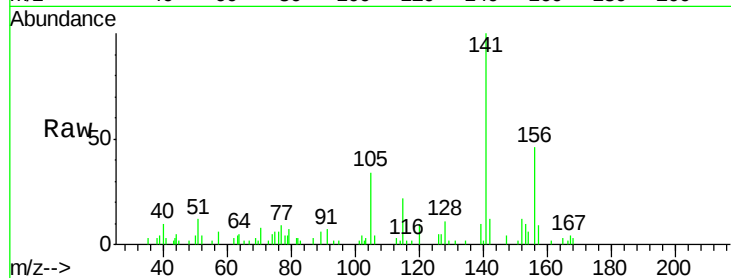
AOC-7(8)RE

Tot Ion:105 Resp: 2032

Ion Ratio Lower Upper

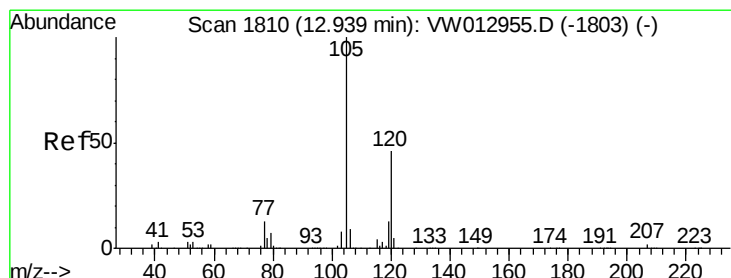
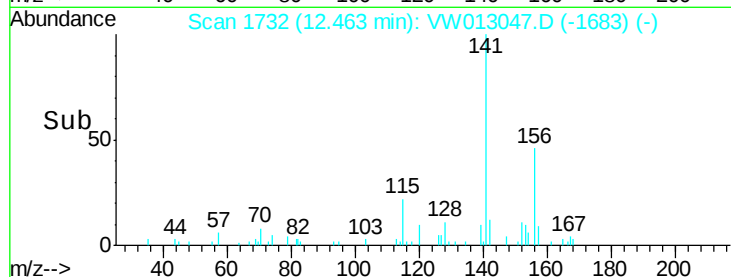
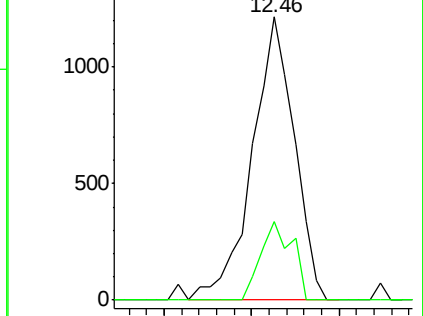
105 100

120 20.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 3.909 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013047.D

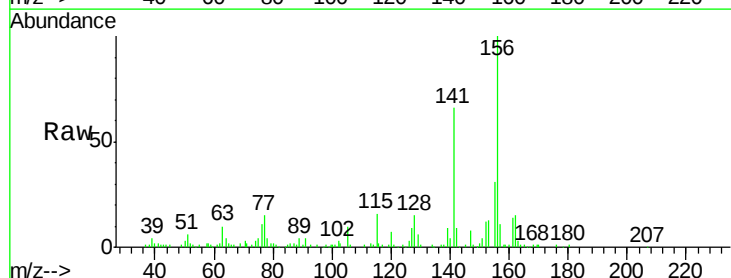
Acq: 16 Sep 2019 17:42

Tgt Ion:105 Resp: 3279

Ion Ratio Lower Upper

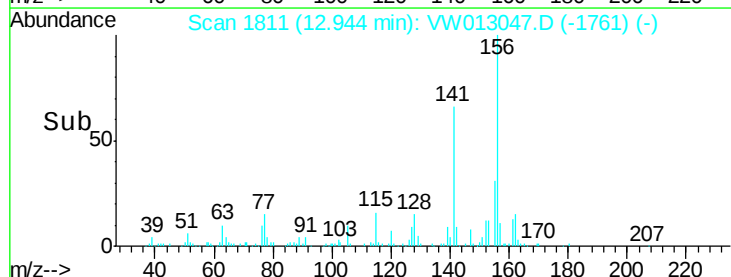
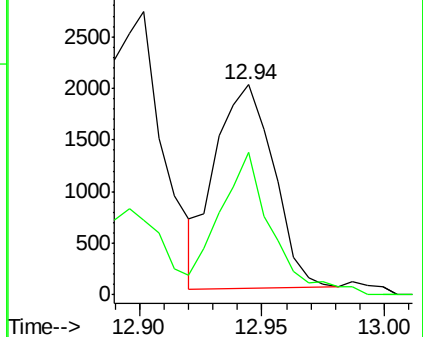
105 100

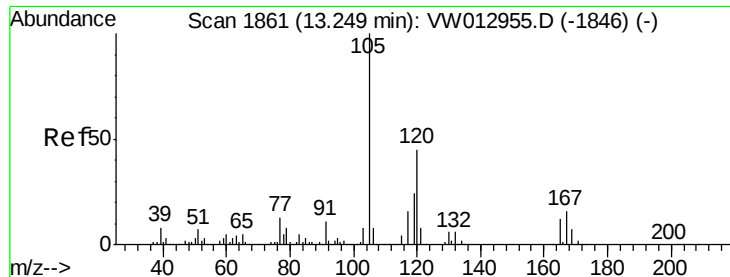
120 62.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

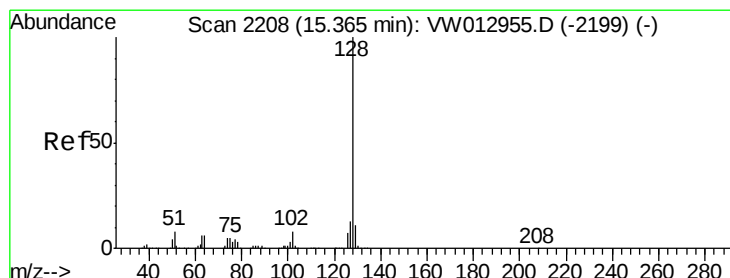
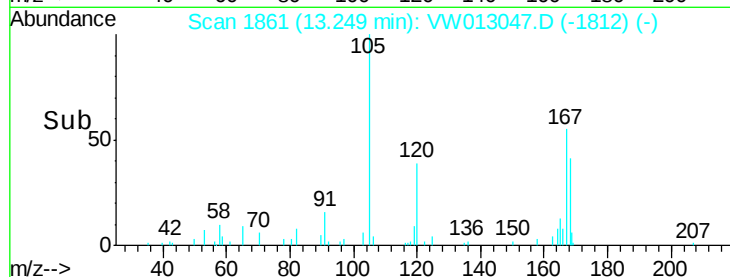
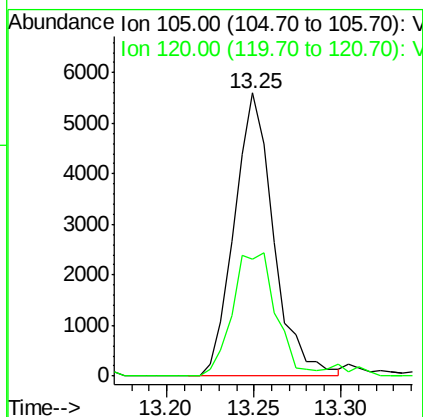
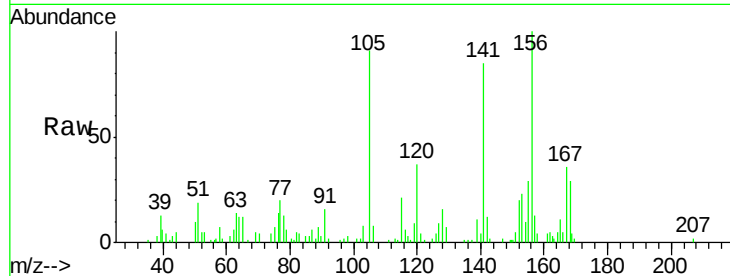




#84
 1,2,4-Trimethylbenzene
 Concen: 10.549 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013047.D
 Acq: 16 Sep 2019 17:42

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(8)RE

Tot Ion:105 Resp: 8744
 Ion Ratio Lower Upper
 105 100
 120 48.4 21.9 65.7



#95
 Naphthalene
 Concen: 237.426 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013047.D
 Acq: 16 Sep 2019 17:42

Tgt Ion:128 Resp: 112503
 Ion Ratio Lower Upper
 128 100
 127 13.9 11.0 16.6
 129 11.3 8.6 12.8

