

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042919\
 Data File : VW010223.D
 Acq On : 30 Apr 2019 17:43
 Operator : SY/VA
 Sample : K2604-14
 Misc : 5.07G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ88

Quant Time: May 01 03:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 03:52:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	622368	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	588206	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	302325	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	106433	15.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.28%
7) Chloroethane-d5	2.89	69	86140	14.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.52%
10) 1,1-Dichloroethene-d2	4.01	63	167550	10.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	42.68%#
20) 2-Butanone-d5	7.08	46	104823	40.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.50%
24) Chloroform-d	7.64	84	289432	17.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.80%
26) 1,2-Dichloroethane-d4	8.31	65	166461	17.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.84%
29) Benzene-d6	8.27	84	519624	16.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	65.64%
33) 1,2-Dichloropropane-d6	9.27	67	171334	17.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	69.28%#
37) Toluene-d8	10.32	98	464210	16.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	64.48%
38) trans-1,3-Dichloropropene-	10.58	79	73326	16.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.32%
39) 2-Hexanone-d5	10.93	63	83895	40.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	158609	18.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	206689	18.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.64%#

Target Compounds

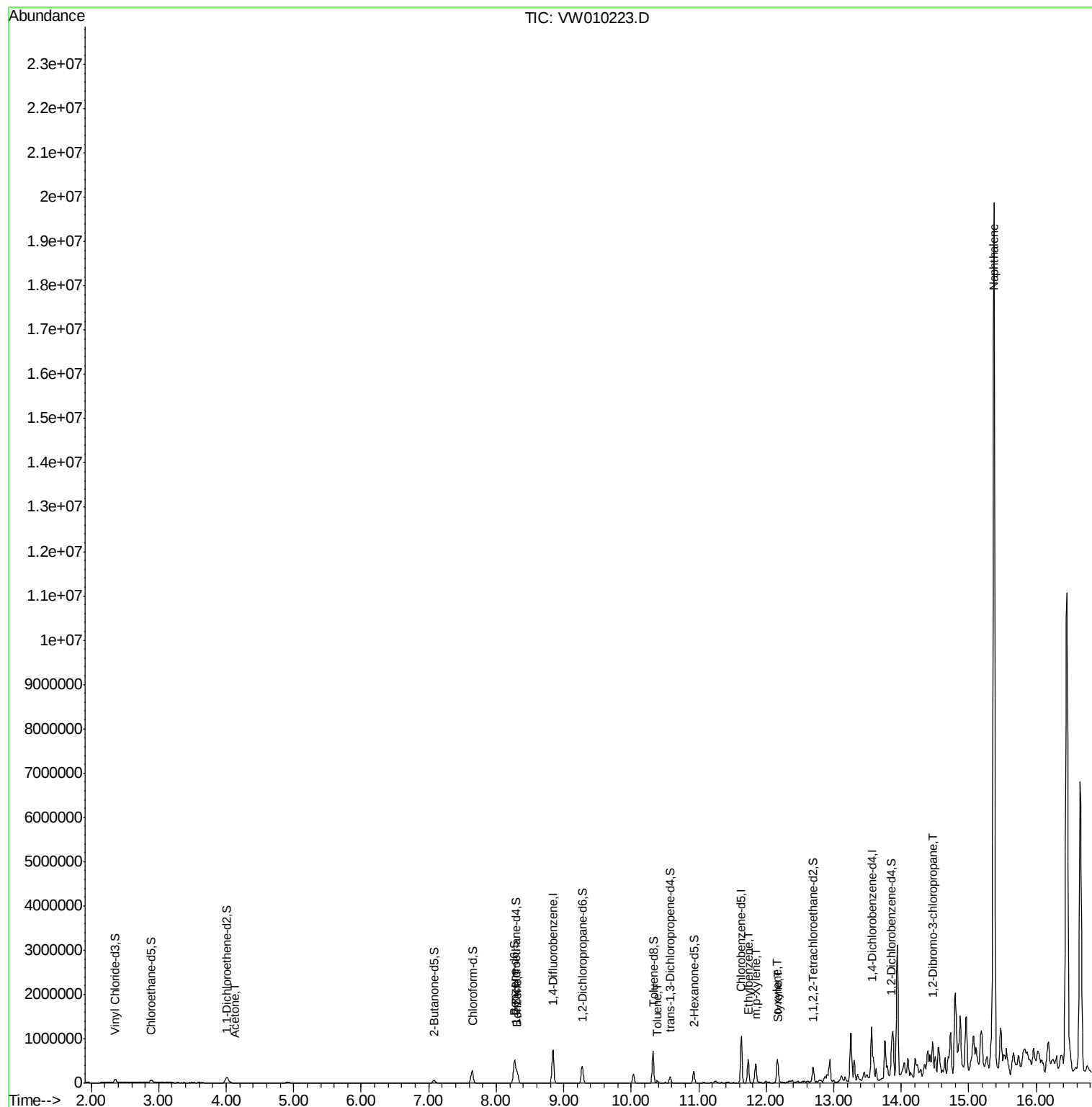
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.12	43	11455	5.566	ug/L	88
34) Benzene	8.32	78	95190	2.884	ug/L	100
44) Toluene	10.38	91	37702	1.067	ug/L	99
53) Ethylbenzene	11.73	91	353956	8.850	ug/L	97
54) m,p-Xylene	11.84	106	106408	7.069	ug/L	97
55) o-xylene	12.16	106	132036	9.279	ug/L	98
56) Styrene	12.18	104	32540	1.320	ug/L #	72
66) 1,2-Dibromo-3-chloropropan	14.46	75	10715	7.504	ug/L #	1
69) Naphthalene	15.37	128	16463839	706.735	ug/L	96

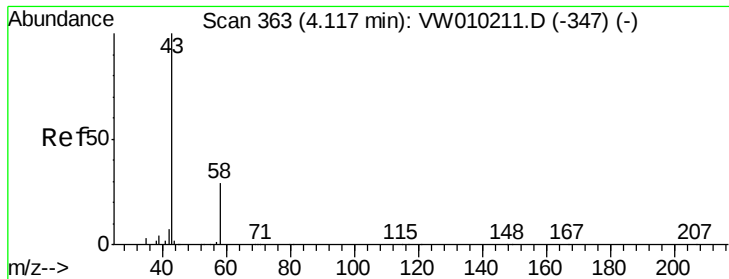
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed May 01 03:52:51 2019
Response via : Initial Calibration





#13

Acetone

Concen: 5.566 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010223.D

Acq: 30 Apr 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

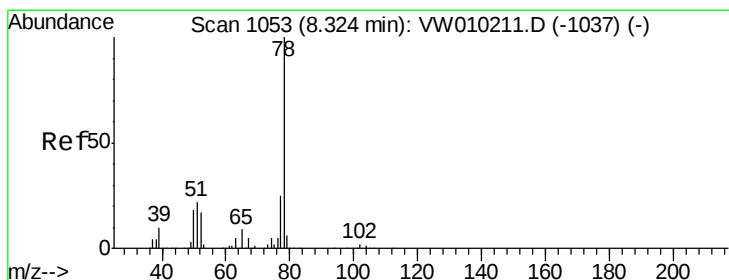
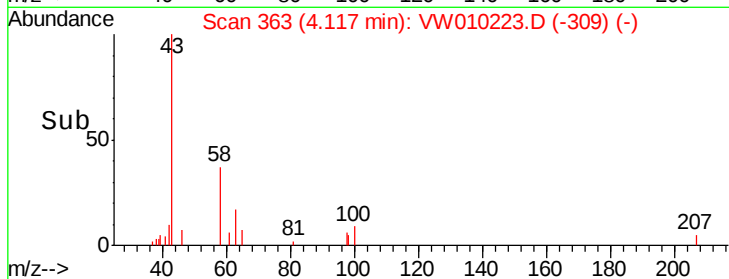
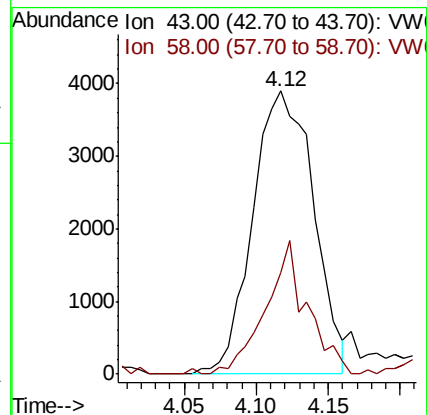
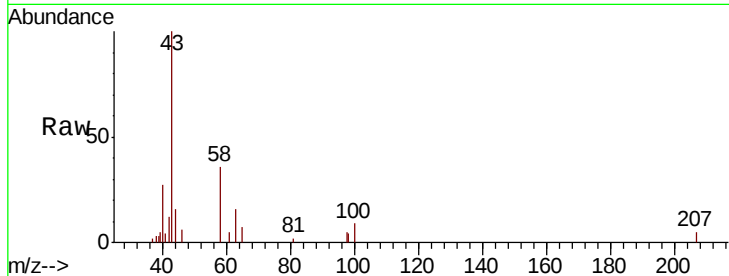
GAJ88

Tgt Ion: 43 Resp: 11455

Ion Ratio Lower Upper

43 100

58 23.6 0.0 59.8



#34

Benzene

Concen: 2.884 ug/L

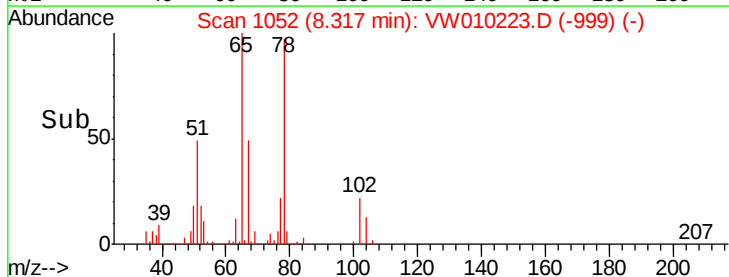
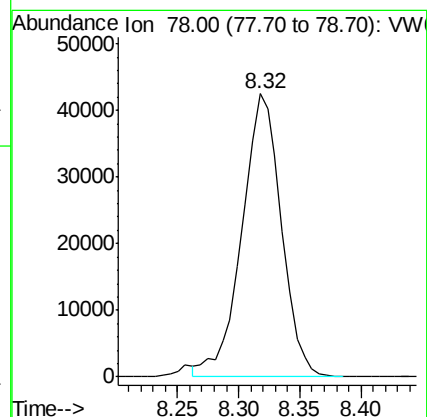
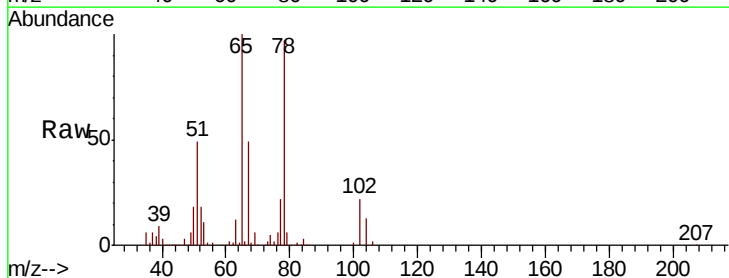
RT: 8.32 min Scan# 1052

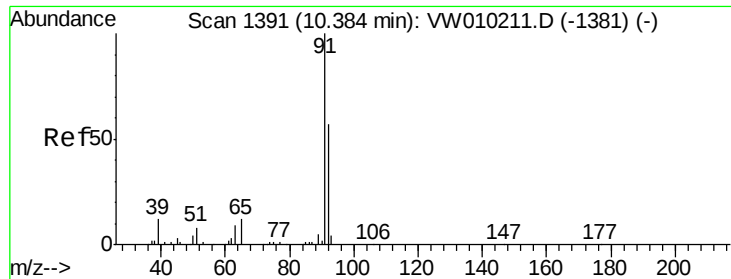
Delta R.T. -0.01 min

Lab File: VW010223.D

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Tgt Ion: 78 Resp: 95190





#44

Toluene

Concen: 1.067 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010223.D

Acq: 30 Apr 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

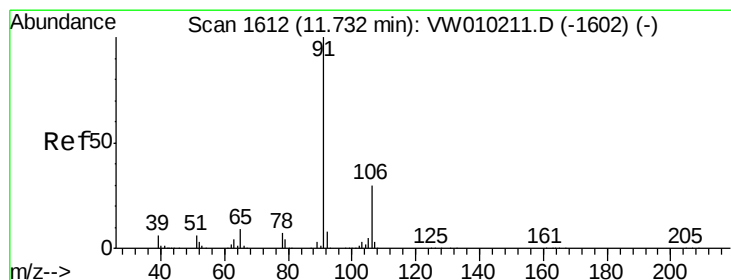
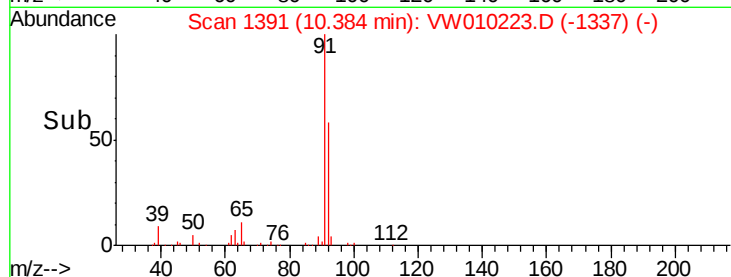
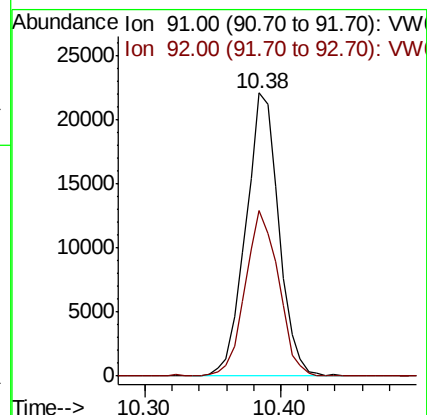
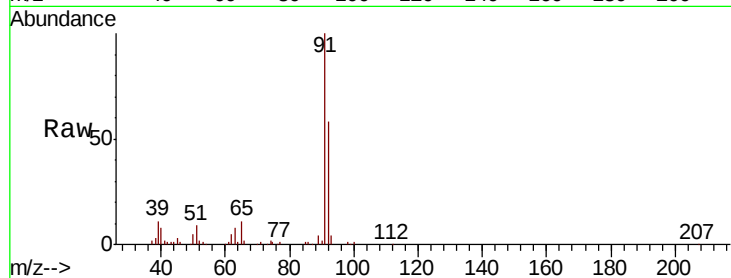
GAJ88

Tgt Ion: 91 Resp: 37702

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#53

Ethylbenzene

Concen: 8.850 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010223.D

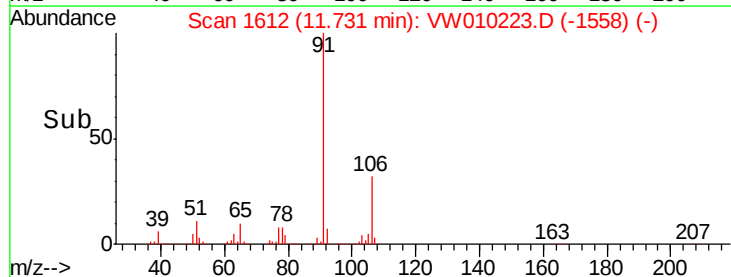
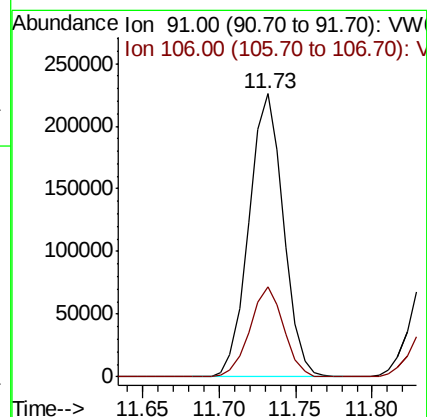
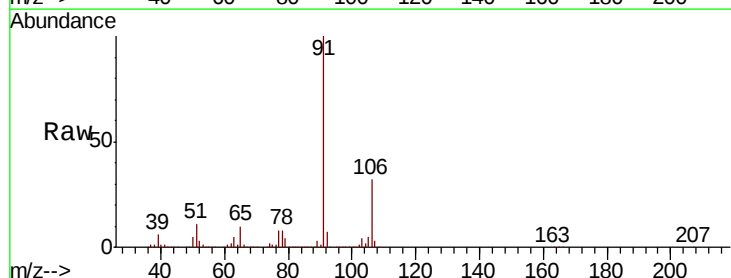
Acq: 30 Apr 2019 17:43

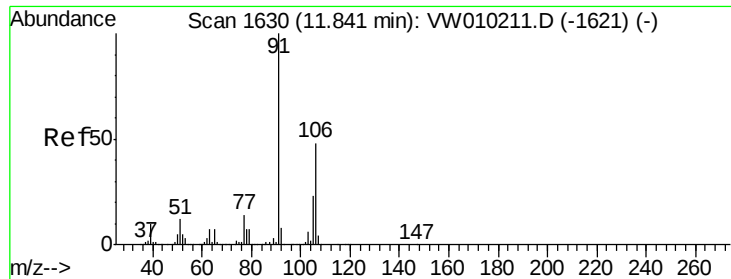
Tgt Ion: 91 Resp: 353956

Ion Ratio Lower Upper

91 100

106 31.9 21.3 39.6





#54

m,p-Xylene

Concen: 7.069 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010223.D

Acq: 30 Apr 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

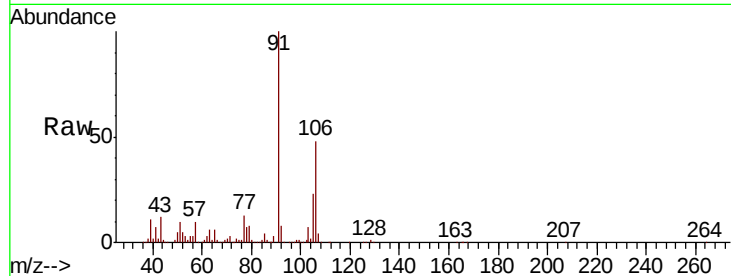
GAJ88

Tgt Ion:106 Resp: 106408

Ion Ratio Lower Upper

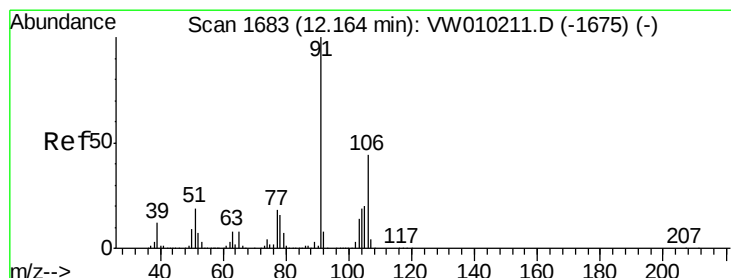
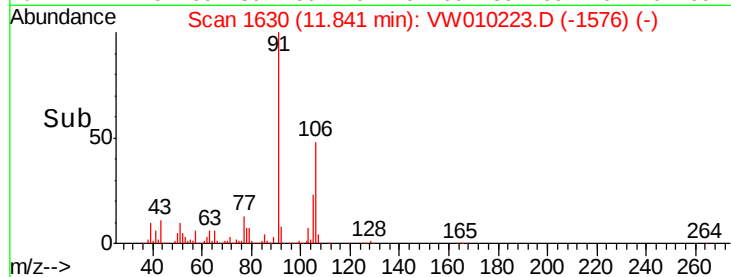
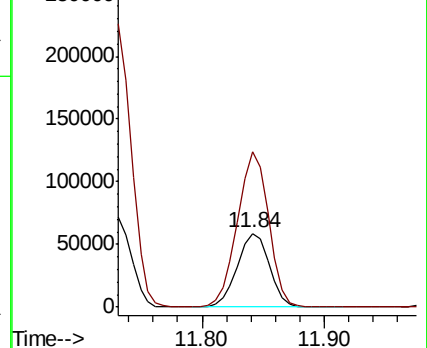
106 100

91 210.1 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 9.279 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010223.D

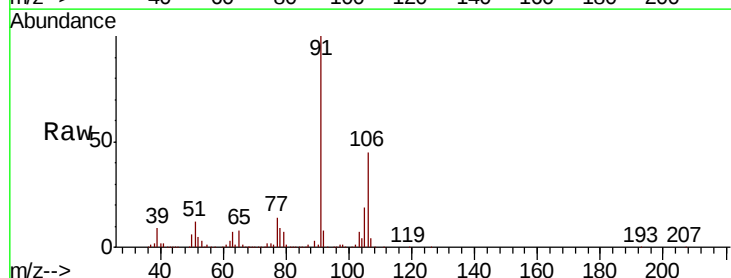
Acq: 30 Apr 2019 17:43

Tgt Ion:106 Resp: 132036

Ion Ratio Lower Upper

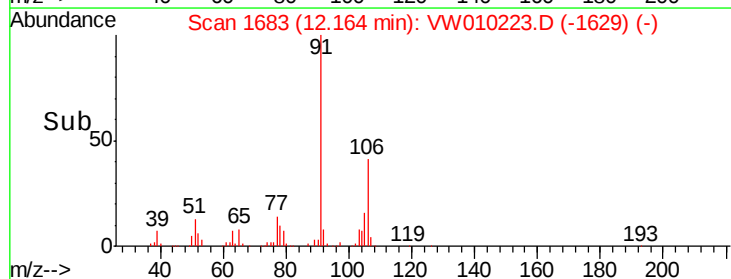
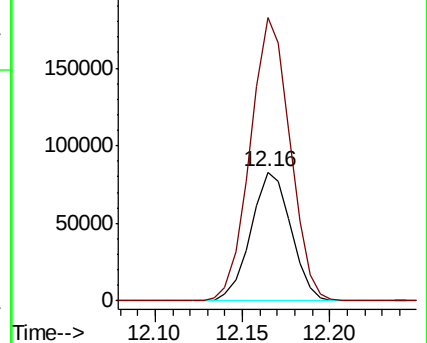
106 100

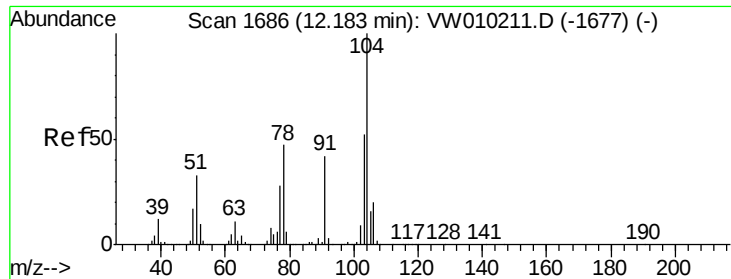
91 220.0 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 1.320 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010223.D

Acq: 30 Apr 2019 17:43

Instrument :

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ClientSampleId :

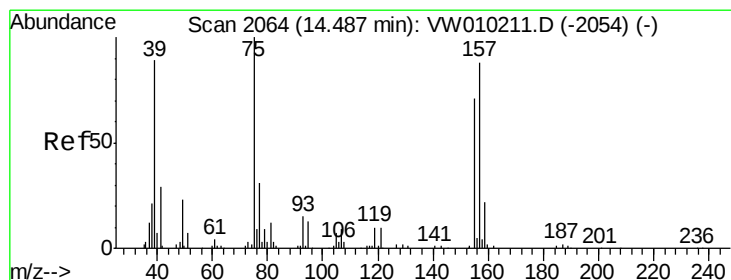
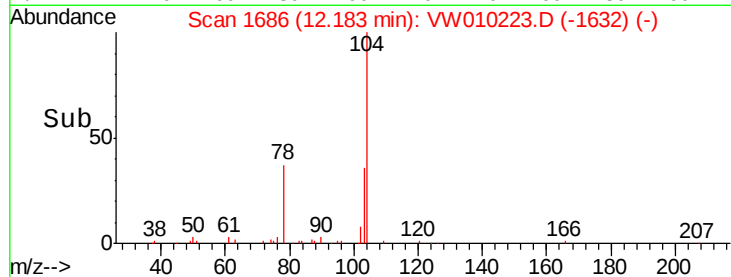
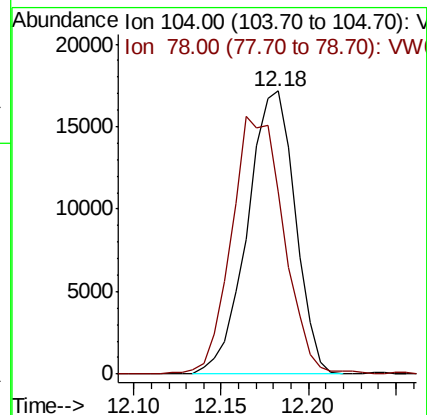
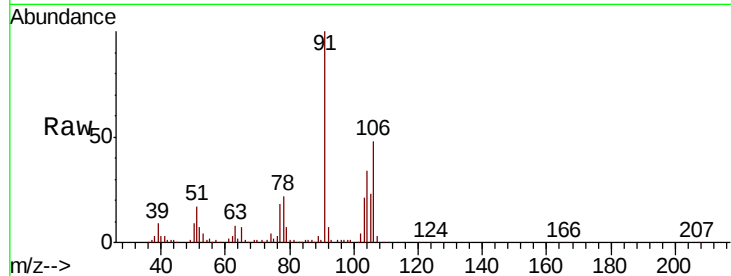
GAJ88

Tgt Ion:104 Resp: 32540

Ion Ratio Lower Upper

104 100

78 64.2 31.9 59.2#



#66

1,2-Dibromo-3-chloropropane

Concen: 7.504 ug/L

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW010223.D

Acq: 30 Apr 2019 17:43

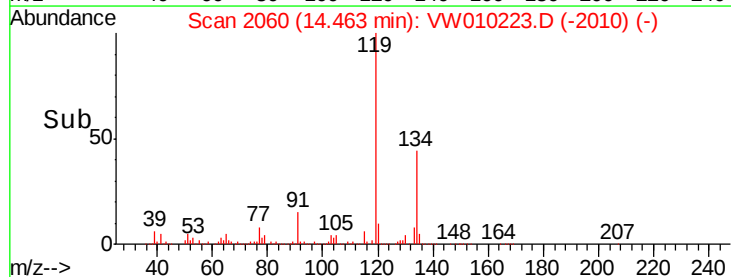
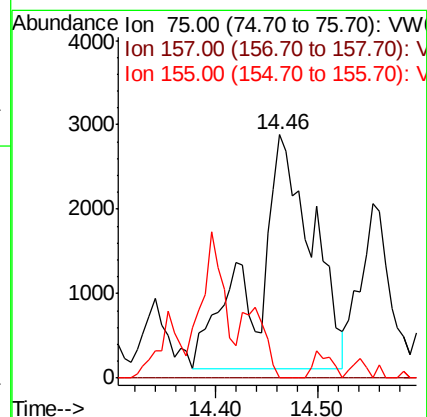
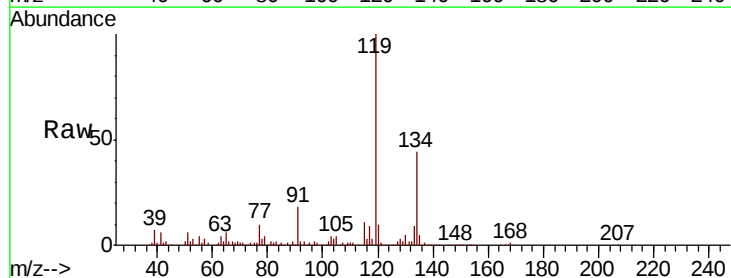
Tgt Ion: 75 Resp: 10715

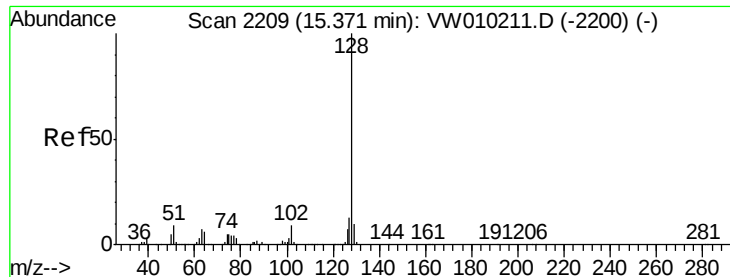
Ion Ratio Lower Upper

75 100

157 0.0 85.7 128.5#

155 0.0 70.8 106.2#





#69

Naphthalene

Concen: 706.735 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010223.D

Acq: 30 Apr 2019 17:43

Instrument :

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ClientSampleId :

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Tgt Ion:128 Resp:16463839

Ion Ratio Lower Upper

128 100

129 12.2 8.6 12.8

127 14.6 10.6 15.8

