

Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

Quant Time: Apr 24 03:54:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 03:51:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	176794	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	169168	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	67636	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	40357	24.16	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.64%
7) Chloroethane-d5	3.03	69	169	0.10	ug/L	0.13
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.40%#
10) 1,1-Dichloroethene-d2	4.00	63	79957	17.26	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.04%
20) 2-Butanone-d5	7.08	46	31655	35.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.06%
24) Chloroform-d	7.65	84	109215	21.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.48%
26) 1,2-Dichloroethane-d4	8.31	65	65209	20.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.24%
29) Benzene-d6	8.27	84	207275	22.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.20%
33) 1,2-Dichloropropane-d6	9.27	67	69416	23.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.76%
37) Toluene-d8	10.32	98	178099	21.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.00%
38) trans-1,3-Dichloropropene-	10.58	79	26487	18.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.48%
39) 2-Hexanone-d5	10.93	63	24128	36.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	51563	18.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	58593	23.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.16%

Target Compounds

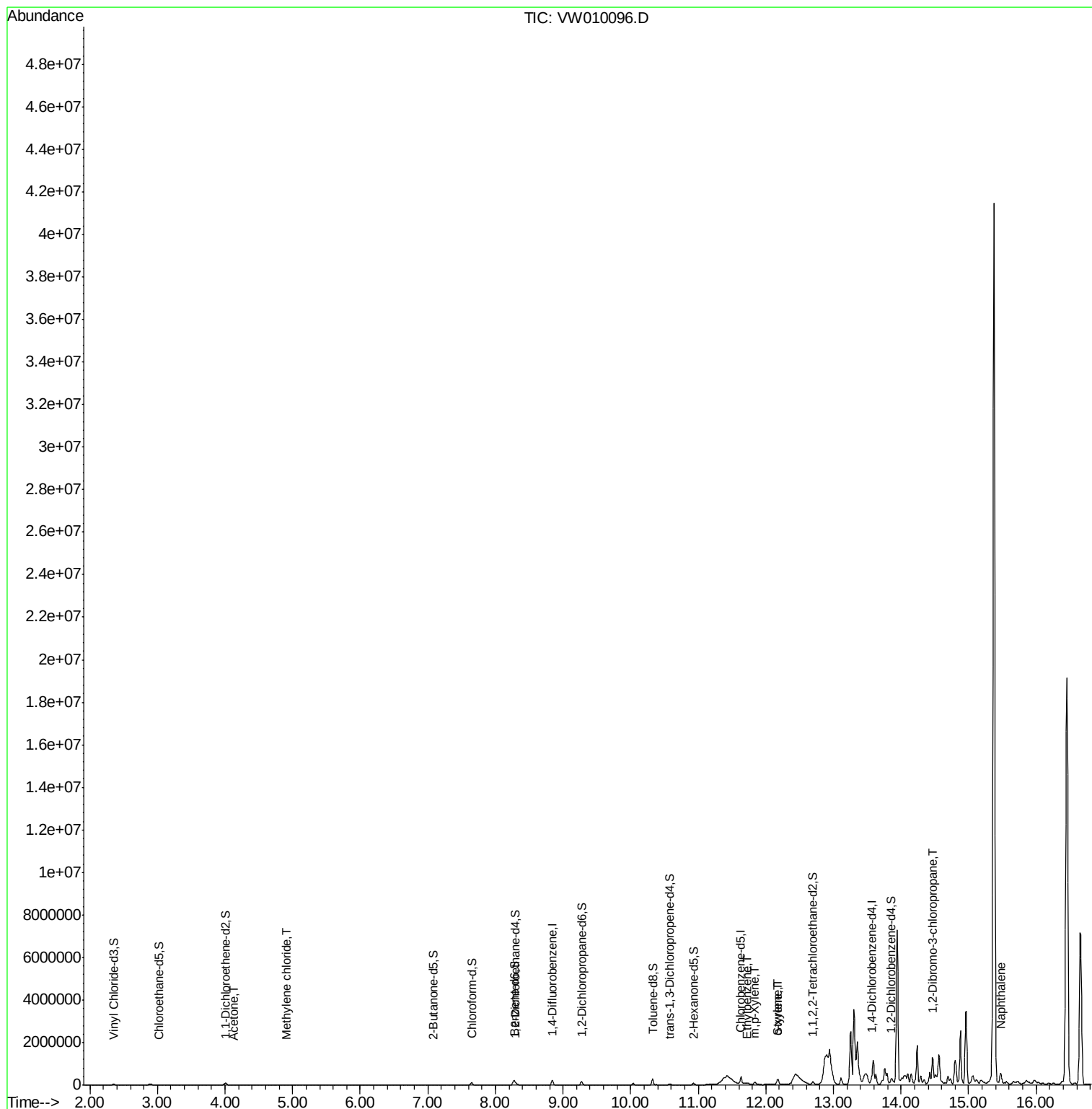
					Qvalue
13) Acetone	4.12	43	3470	4.318 ug/L	83
16) Methylene chloride	4.91	84	11086	3.463 ug/L	91
53) Ethylbenzene	11.73	91	8090	0.685 ug/L	97
54) m,p-Xylene	11.84	106	28586	6.614 ug/L	92
55) o-xylene	12.17	106	35484	8.559 ug/L	96
56) Styrene	12.18	104	84855	11.692 ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.47	75	17601	43.377 ug/L #	8
69) Naphthalene	15.48	128	6294	1.196 ug/L #	1

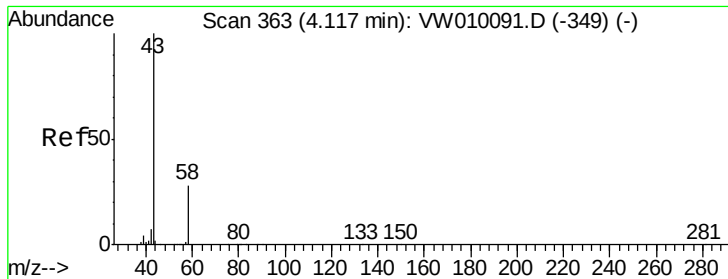
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.318 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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MSVOA_W

ClientSampleId :

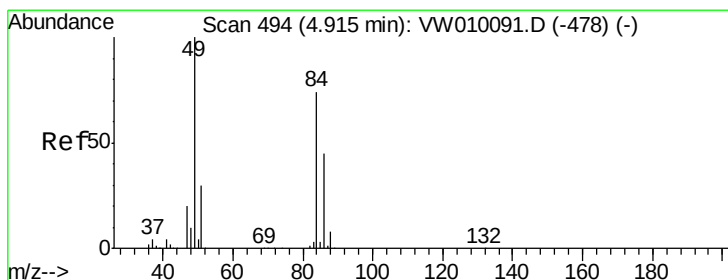
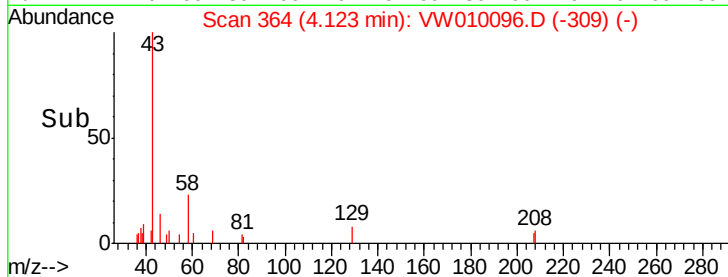
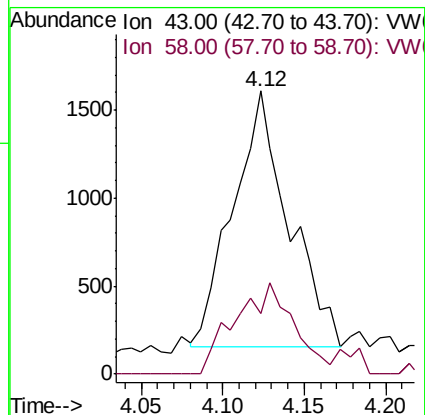
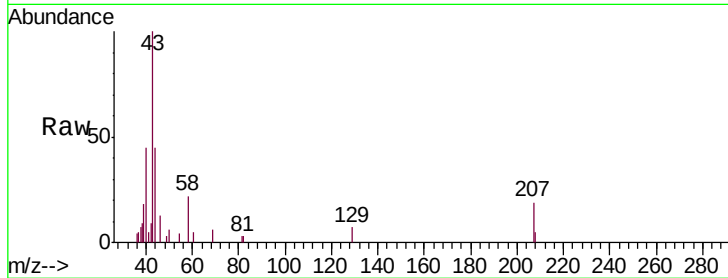
GAHQ5RE

Tgt Ion: 43 Resp: 3470

Ion Ratio Lower Upper

43 100

58 19.2 0.0 56.2



#16

Methylene chloride

Concen: 3.463 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

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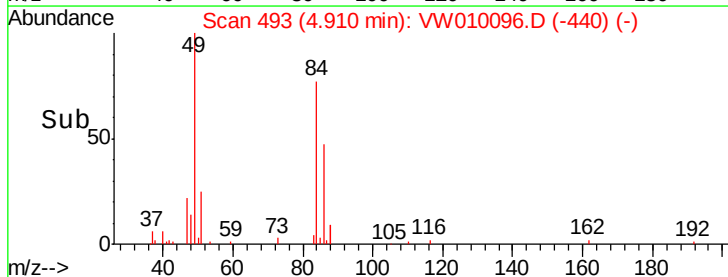
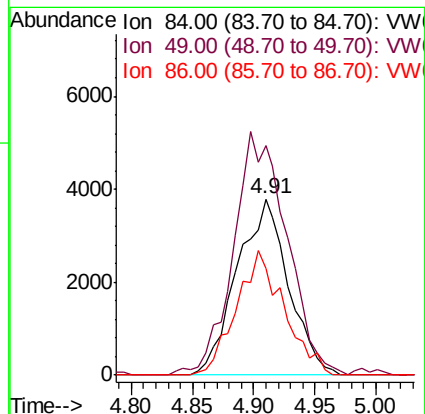
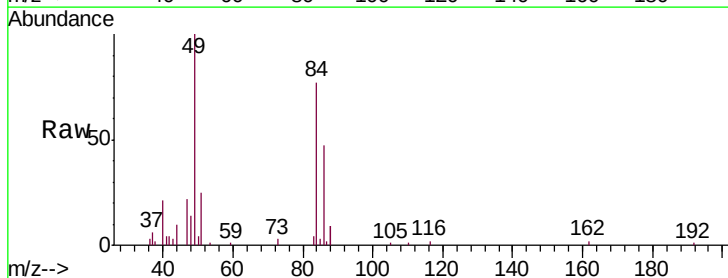
Tgt Ion: 84 Resp: 11086

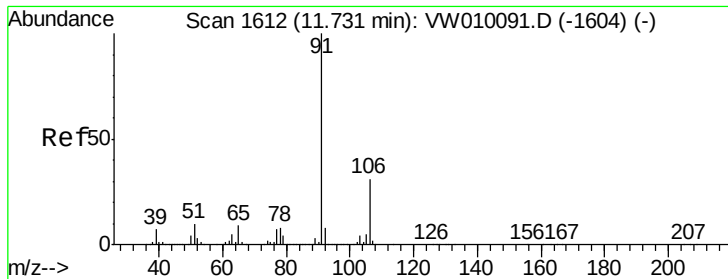
Ion Ratio Lower Upper

84 100

49 130.1 100.7 187.1

86 60.5 43.8 81.3





#53

Ethylbenzene

Concen: 0.685 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

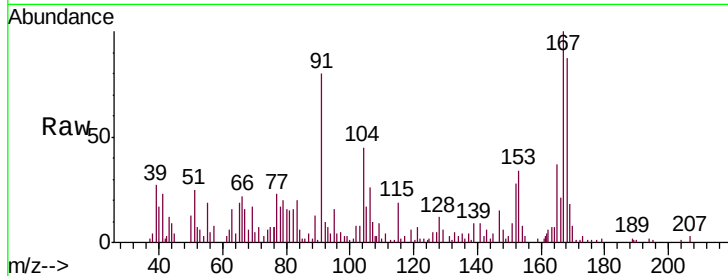
GAHQ5RE

Tgt Ion: 91 Resp: 8090

Ion Ratio Lower Upper

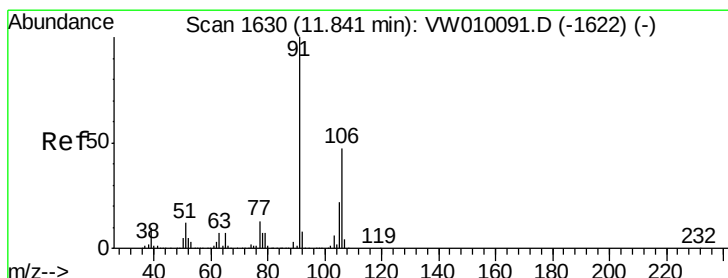
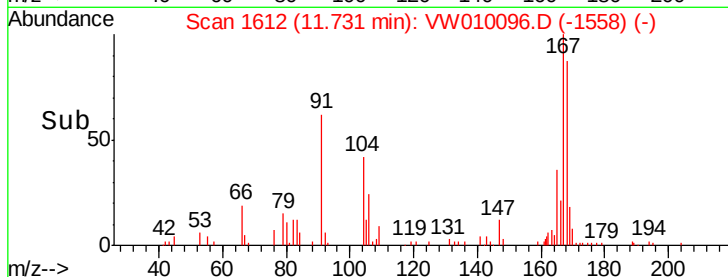
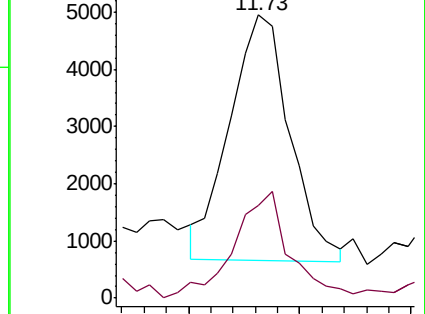
91 100

106 32.8 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 6.614 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

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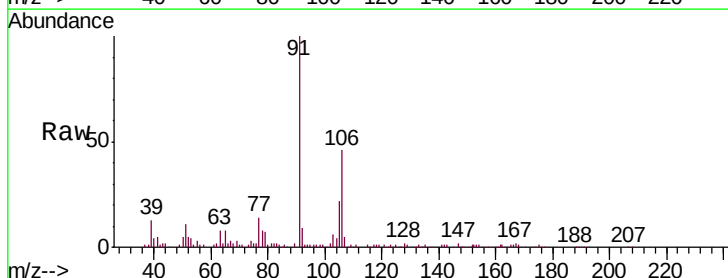
Acq: 23 Apr 2019 12:42

Tgt Ion: 106 Resp: 28586

Ion Ratio Lower Upper

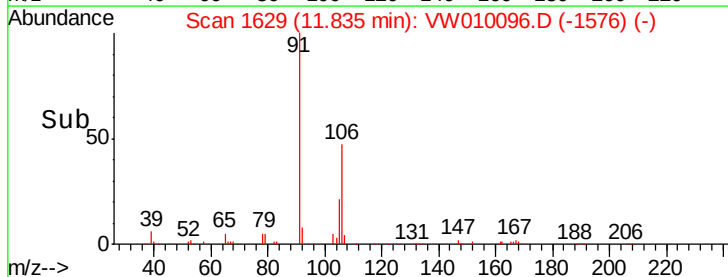
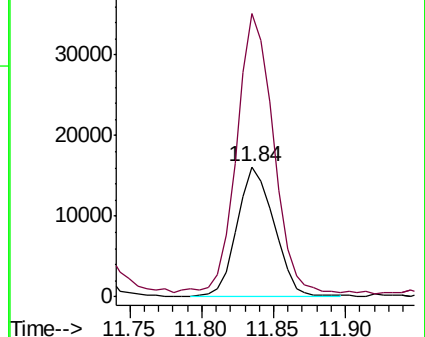
106 100

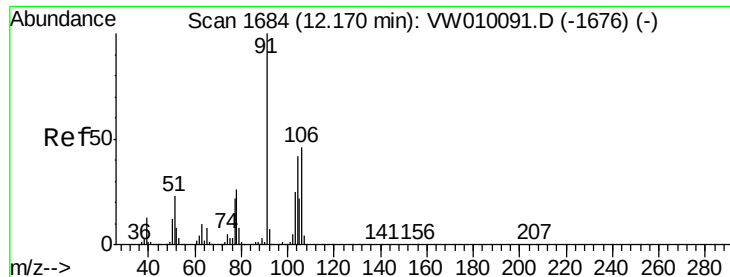
91 217.1 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

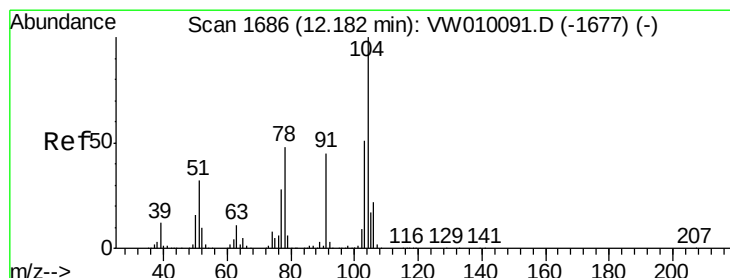
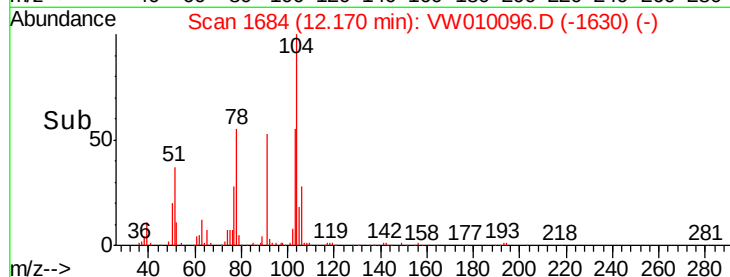
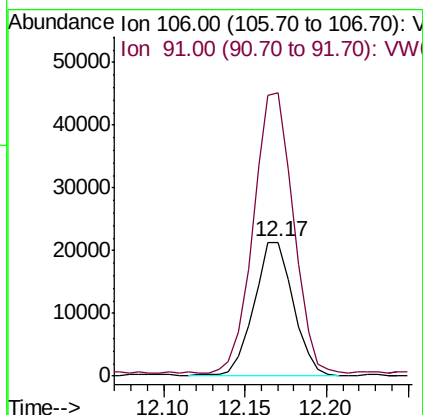
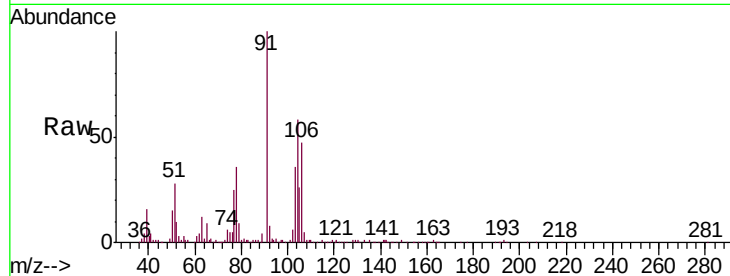




#55
o-xylene
Concen: 8.559 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010096.D
Acq: 23 Apr 2019 12:42

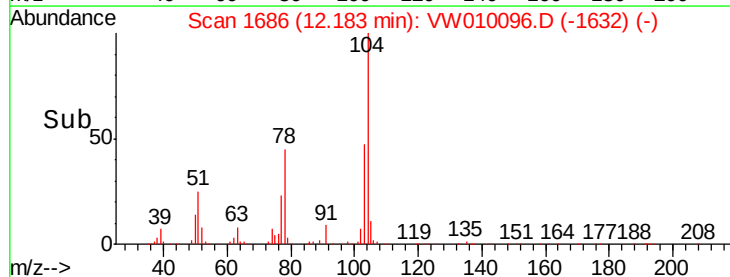
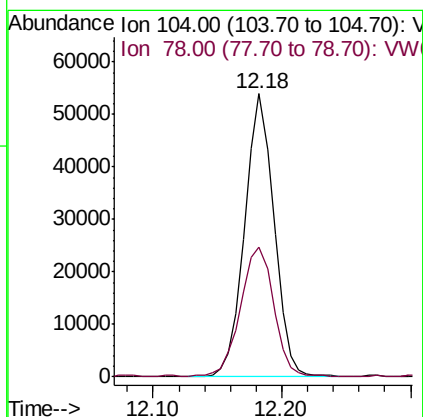
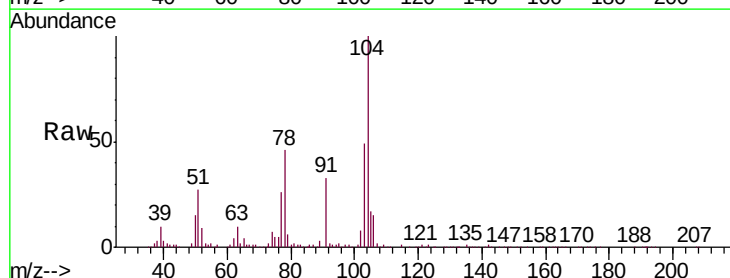
Instrument :
MSVOA_W
ClientSampled :
GAHQ5RE

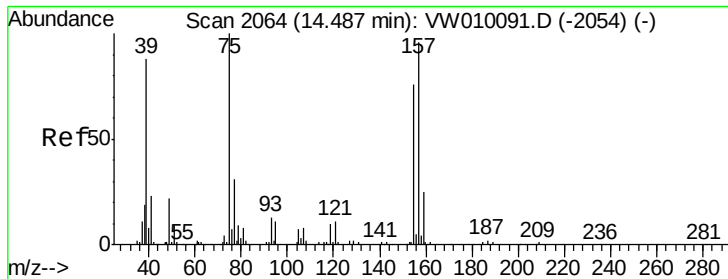
Tgt Ion:106 Resp: 35484
Ion Ratio Lower Upper
106 100
91 211.3 152.2 282.7



#56
Styrene
Concen: 11.692 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010096.D
Acq: 23 Apr 2019 12:42

Tgt Ion:104 Resp: 84855
Ion Ratio Lower Upper
104 100
78 46.0 32.7 60.7

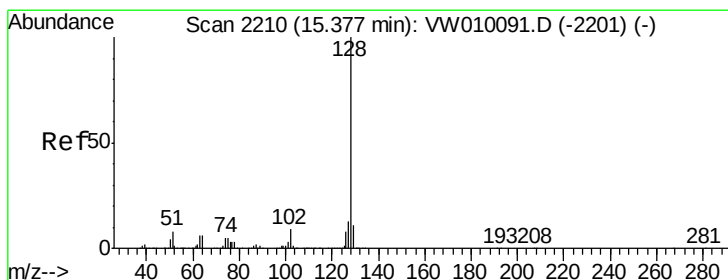
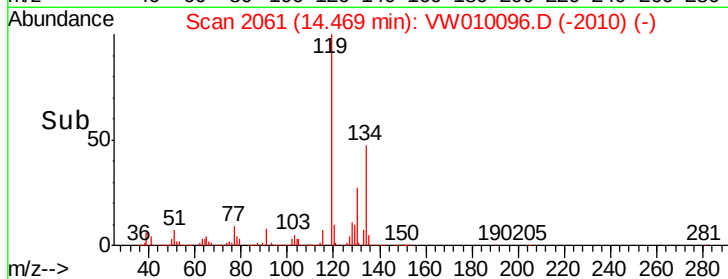
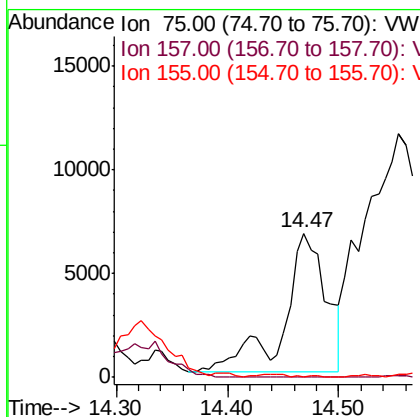
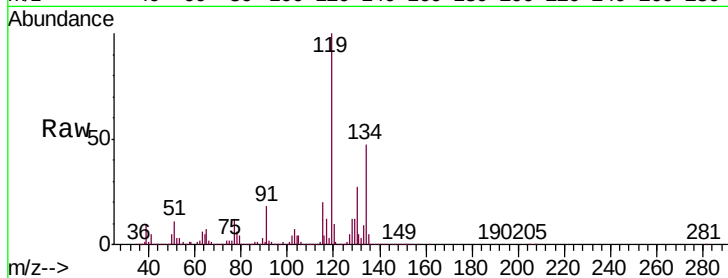




#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.377 ug/L
 RT: 14.47 min Scan# 2061
 Delta R.T. -0.02 min
 Lab File: VW010096.D
 Acq: 23 Apr 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ5RE

Tgt Ion: 75 Resp: 17601
 Ion Ratio Lower Upper
 75 100
 157 0.0 73.3 109.9#
 155 0.0 58.6 88.0#



#69
 Naphthalene
 Concen: 1.196 ug/L
 RT: 15.48 min Scan# 2227
 Delta R.T. 0.10 min
 Lab File: VW010096.D
 Acq: 23 Apr 2019 12:42

Tgt Ion: 128 Resp: 6294
 Ion Ratio Lower Upper
 128 100
 129 99.3 8.6 12.8#
 127 8.4 10.6 16.0#

