

Data File : VW010095.D
Acq On : 23 Apr 2019 12:14
Operator : SY/VA
Sample : K2456-02
Misc : 5.02G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ2

Quant Time: Apr 24 03:54:27 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	327609	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	264478	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	69976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	82886	26.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.08%
7) Chloroethane-d5	2.89	69	68698	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
10) 1,1-Dichloroethene-d2	4.00	63	175557	20.45	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.80%
20) 2-Butanone-d5	7.08	46	82520	49.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.54%
24) Chloroform-d	7.65	84	236854	25.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.04%
26) 1,2-Dichloroethane-d4	8.31	65	146088	24.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.44%
29) Benzene-d6	8.27	84	433304	29.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.24%
33) 1,2-Dichloropropane-d6	9.27	67	139162	30.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.24%#
37) Toluene-d8	10.32	98	324905	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.00%
38) trans-1,3-Dichloropropene-	10.58	79	52637	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.92%
39) 2-Hexanone-d5	10.93	63	54942	53.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98374	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	60783	23.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.44%

Target Compounds

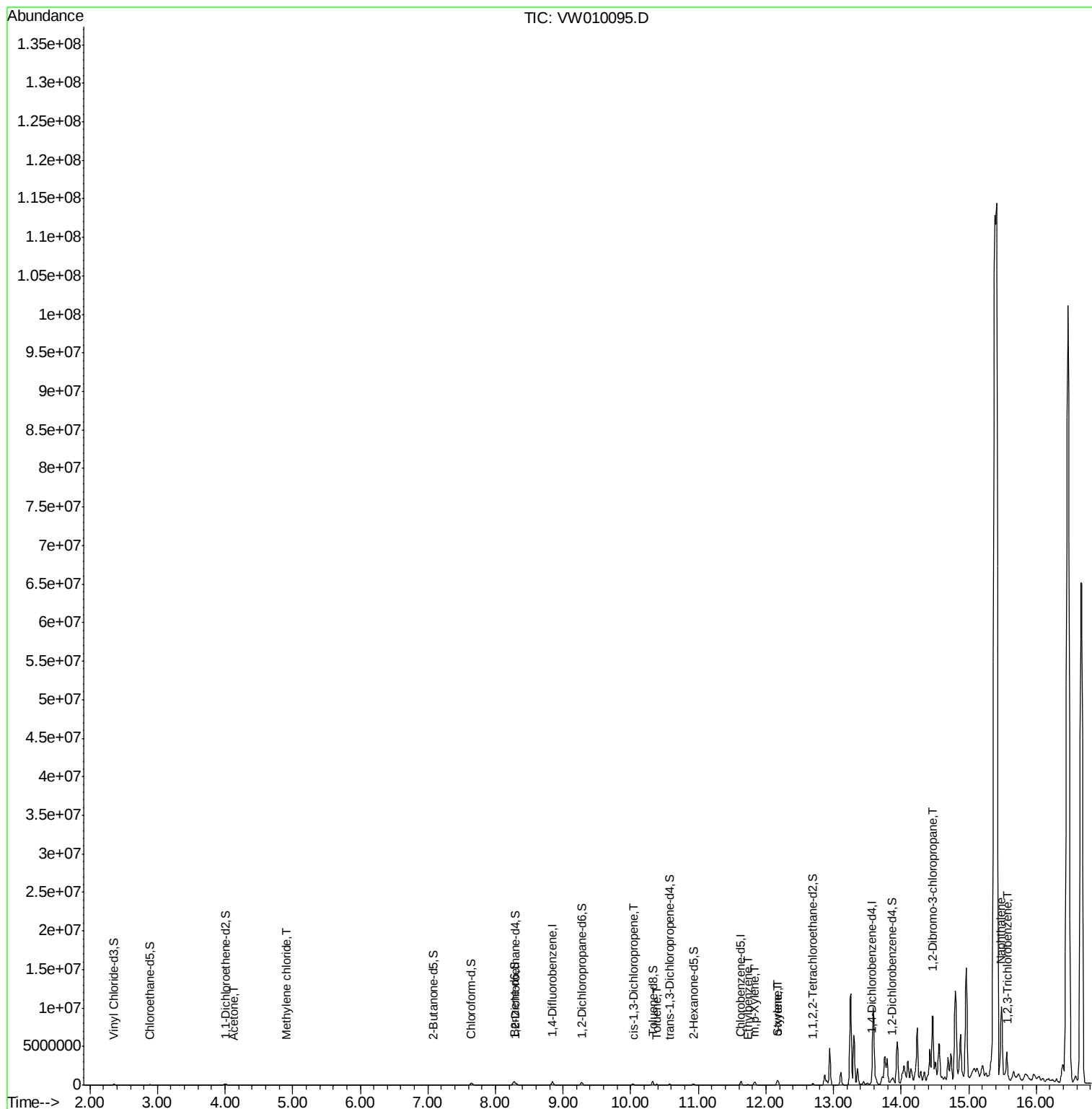
					Qvalue
13) Acetone	4.12	43	5500	3.693 ug/L	89
16) Methylene chloride	4.91	84	25877	4.362 ug/L	97
42) cis-1,3-Dichloropropene	10.03	75	4234	0.667 ug/L	85
44) Toluene	10.38	91	71430	4.322 ug/L	100
53) Ethylbenzene	11.73	91	44562	2.412 ug/L	97
54) m,p-Xylene	11.83	106	121765	18.019 ug/L	96
55) o-xylene	12.17	106	108646	16.763 ug/L	96
56) Styrene	12.18	104	145517	12.825 ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.47	75	113149	269.529 ug/L #	8
69) Naphthalene	15.47	128	34474	6.332 ug/L #	5
70) 1,2,3-Trichlorobenzene	15.58	180	3739	1.545 ug/L #	1

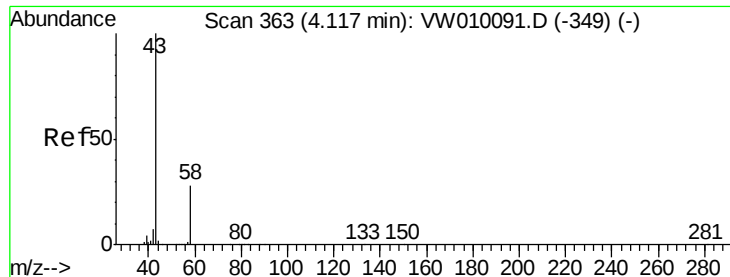
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.693 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010095.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_W

ClientSampled :

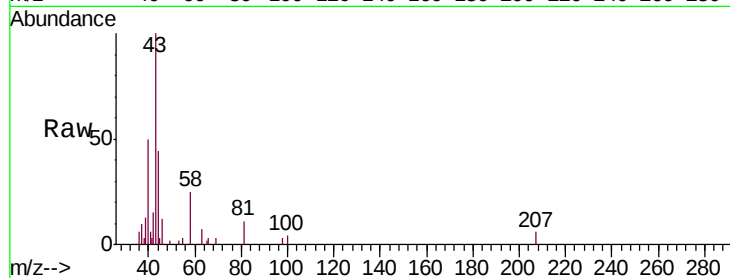
GAHQ2

Tgt Ion: 43 Resp: 5500

Ion Ratio Lower Upper

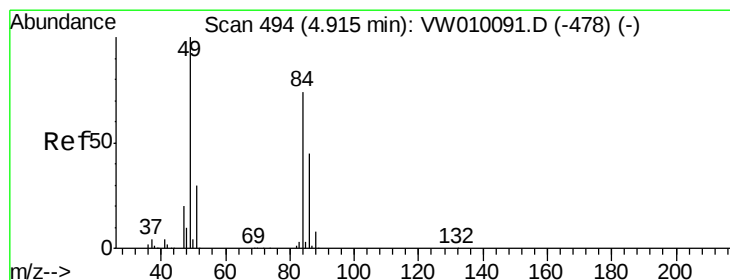
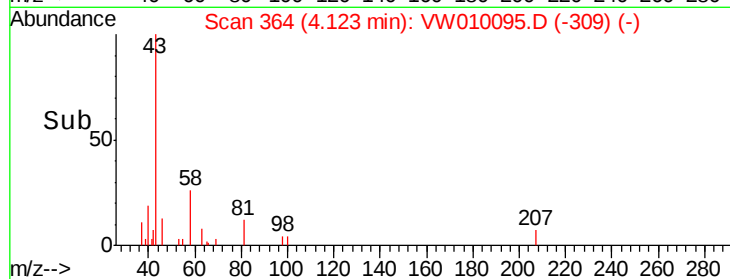
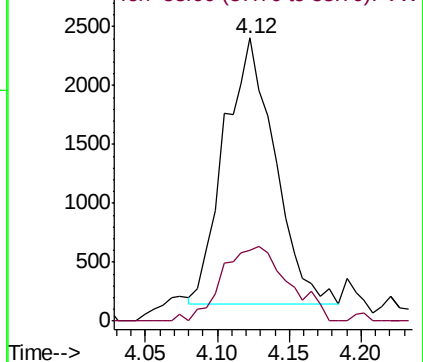
43 100

58 33.7 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 4.362 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

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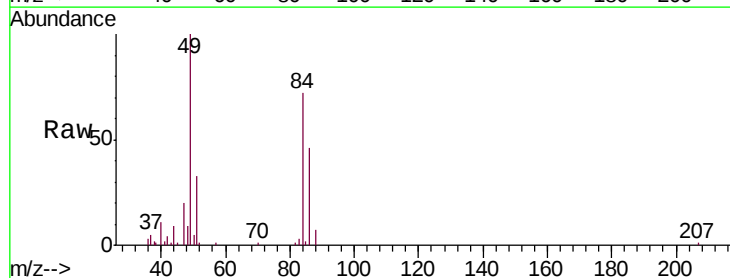
Tgt Ion: 84 Resp: 25877

Ion Ratio Lower Upper

84 100

49 139.8 100.7 187.1

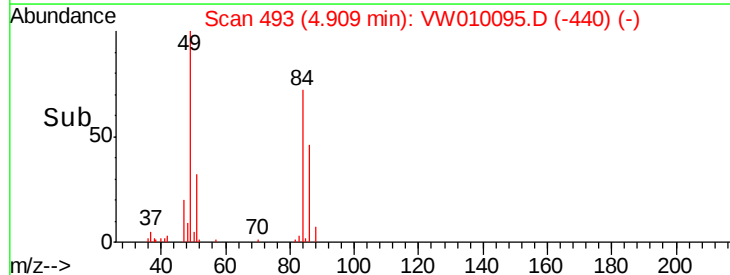
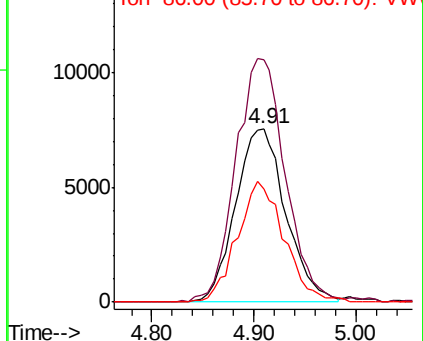
86 64.9 43.8 81.3

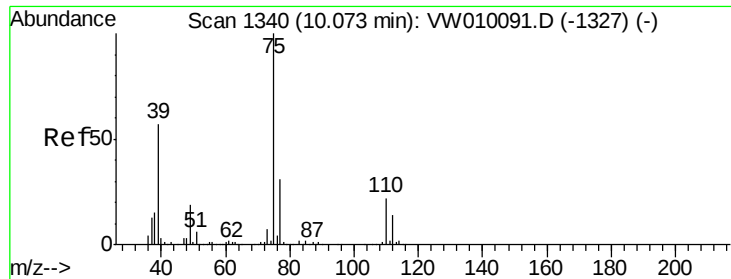


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.667 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW010095.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_W

ClientSampled :

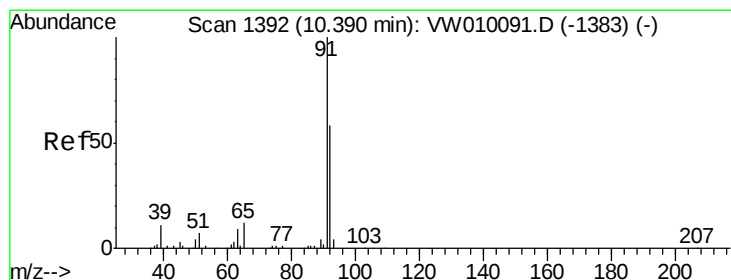
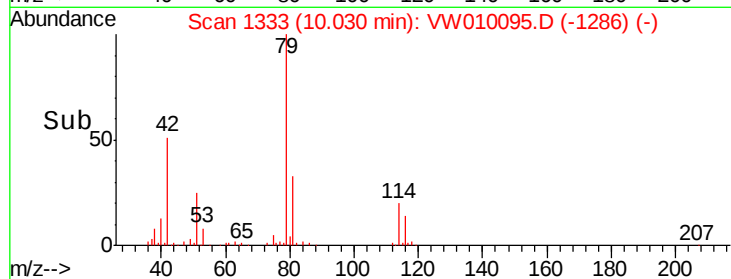
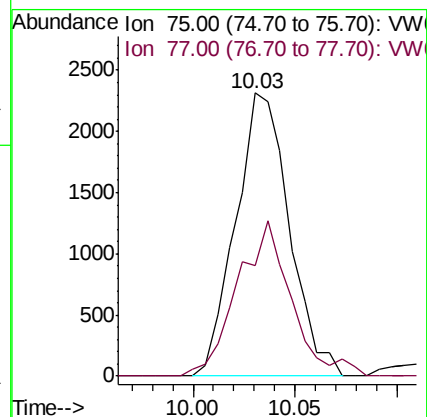
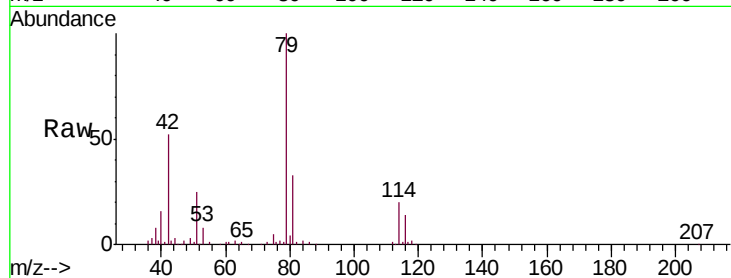
GAHQ2

Tgt Ion: 75 Resp: 4234

Ion Ratio Lower Upper

75 100

77 39.3 21.8 40.4



#44

Toluene

Concen: 4.322 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010095.D

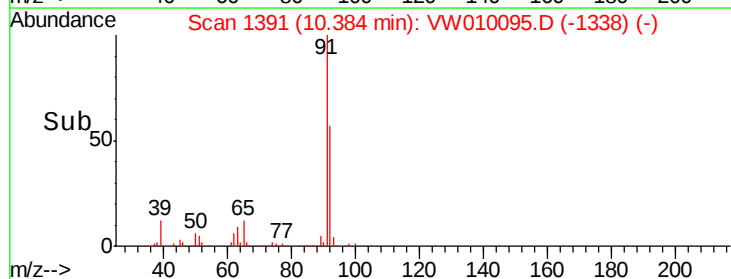
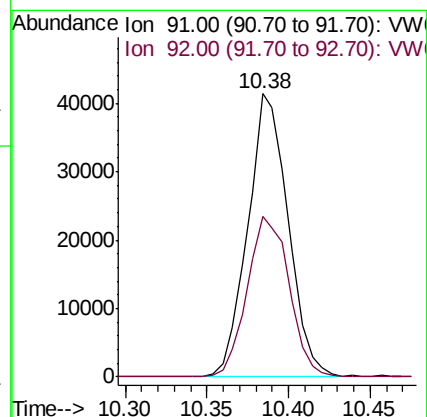
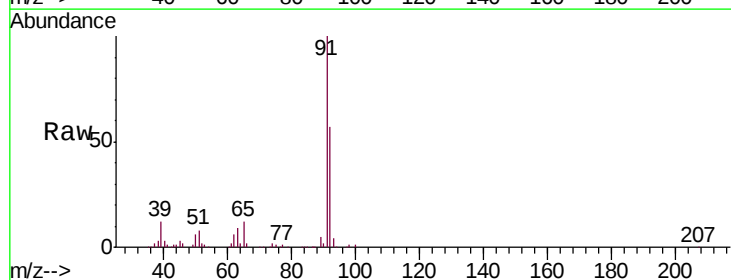
Acq: 23 Apr 2019 12:14

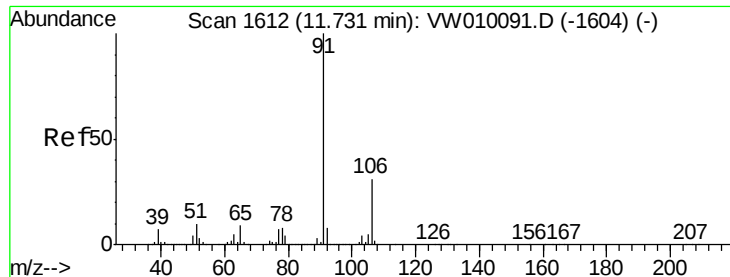
Tgt Ion: 91 Resp: 71430

Ion Ratio Lower Upper

91 100

92 56.6 39.8 74.0

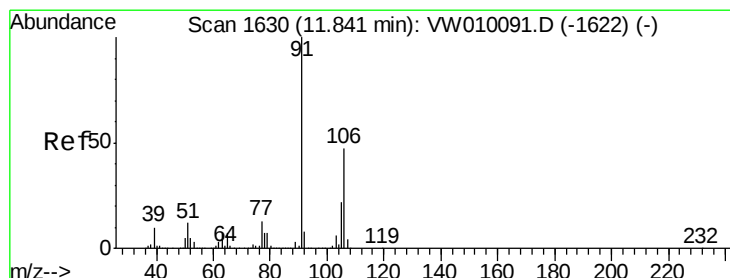
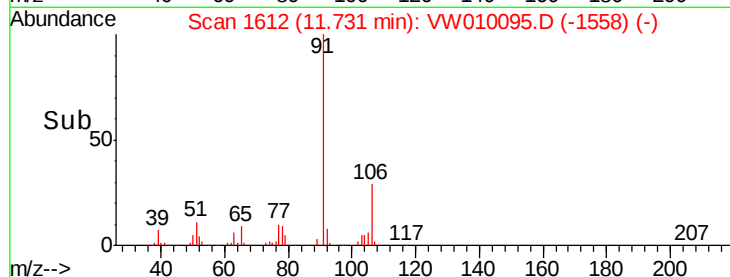
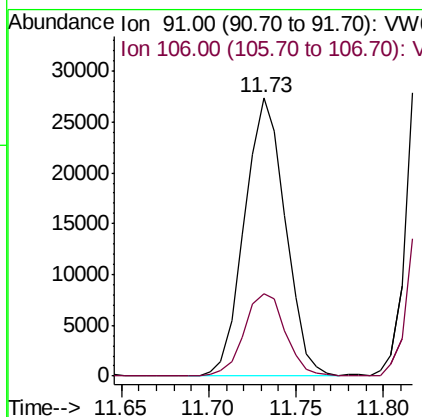
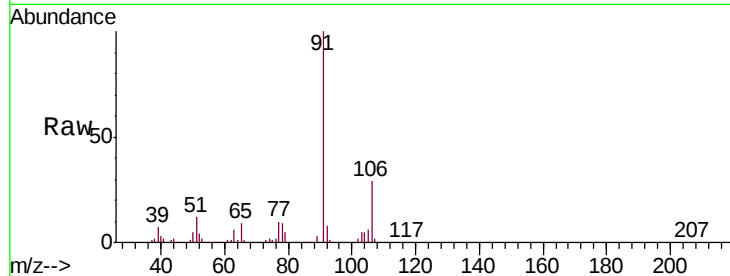




#53
Ethylbenzene
Concen: 2.412 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010095.D
Acq: 23 Apr 2019 12:14

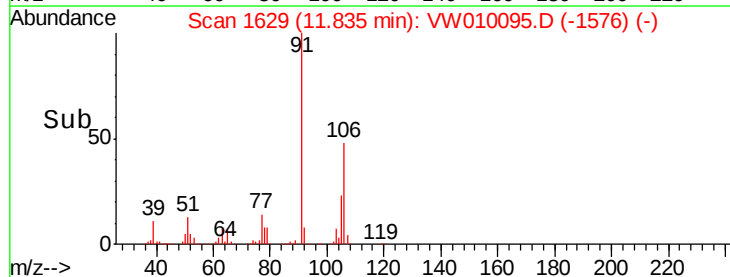
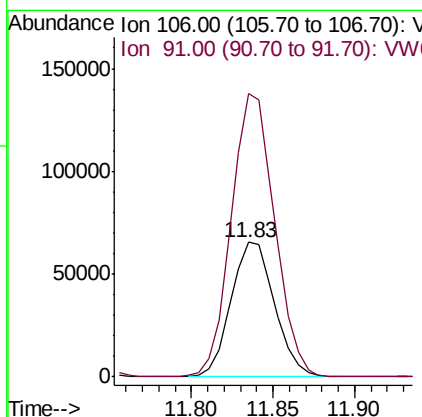
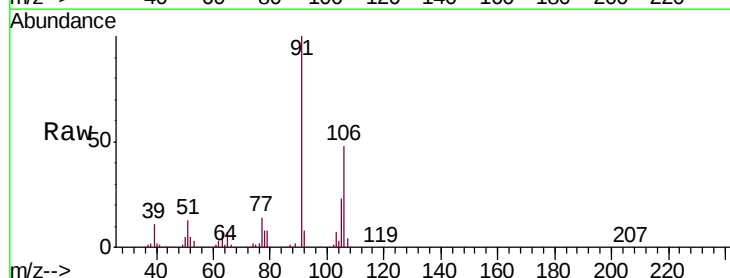
Instrument :
MSVOA_W
ClientSampled :
GAHQ2

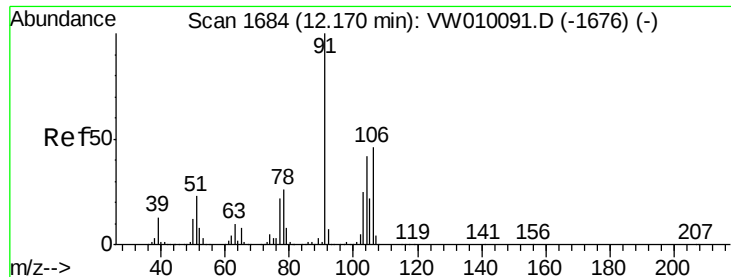
Tgt Ion: 91 Resp: 44562
Ion Ratio Lower Upper
91 100
106 29.4 21.8 40.4



#54
m,p-Xylene
Concen: 18.019 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010095.D
Acq: 23 Apr 2019 12:14

Tgt Ion: 106 Resp: 121765
Ion Ratio Lower Upper
106 100
91 210.2 143.4 266.2





#55

o-xylene

Concen: 16.763 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW010095.D

Acq: 23 Apr 2019 12:14

Instrument :

MSVOA_W

ClientSampled :

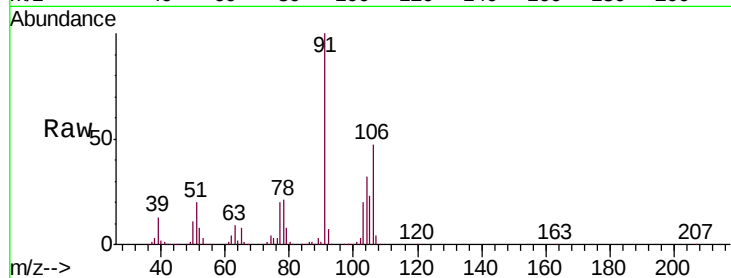
GAHQ2

Tgt Ion:106 Resp: 108646

Ion Ratio Lower Upper

106 100

91 211.5 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

150000

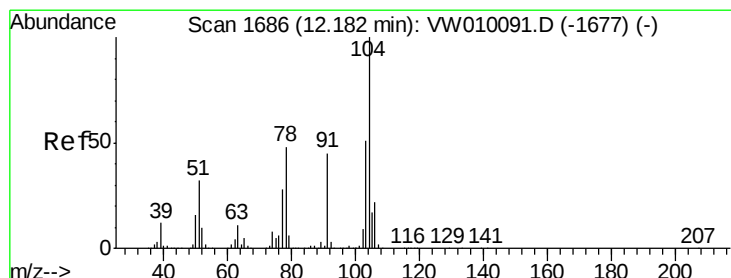
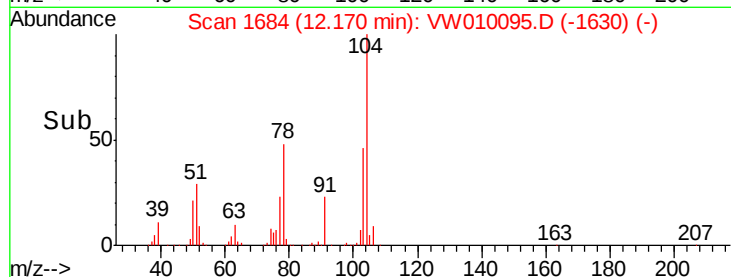
100000

50000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 12.825 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010095.D

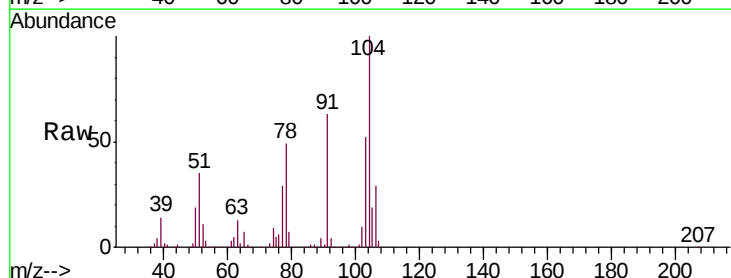
Acq: 23 Apr 2019 12:14

Tgt Ion:104 Resp: 145517

Ion Ratio Lower Upper

104 100

78 49.2 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

100000

80000

60000

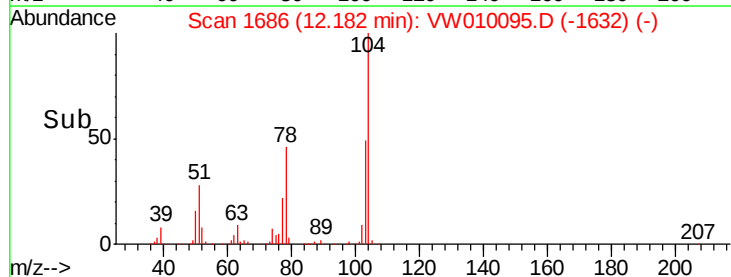
40000

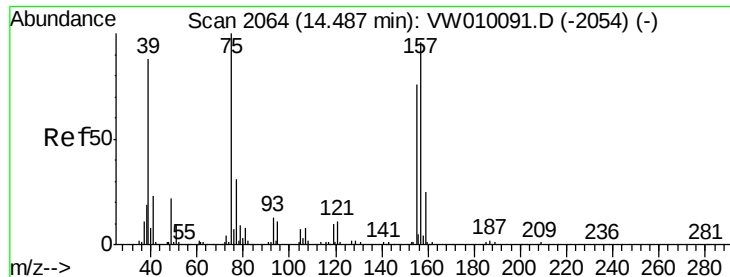
20000

0

12.10 12.15 12.20 12.25

Time-->

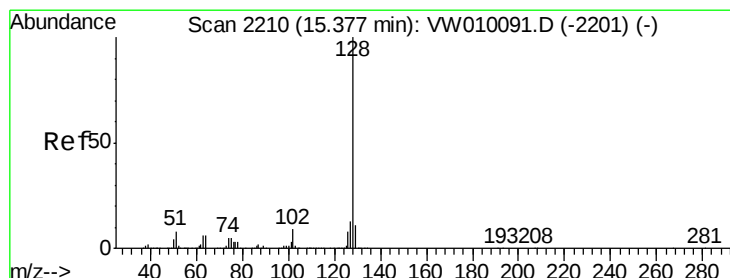
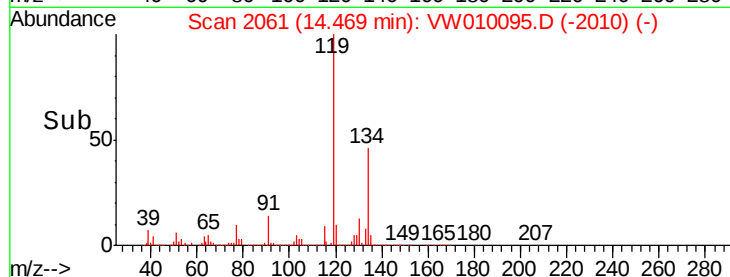
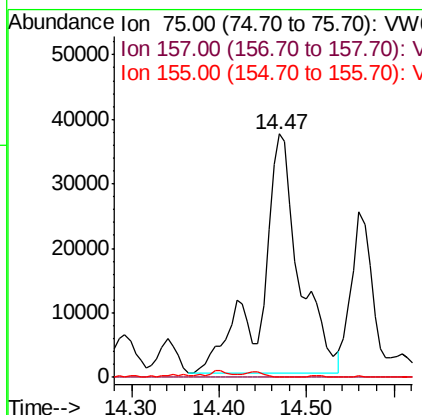
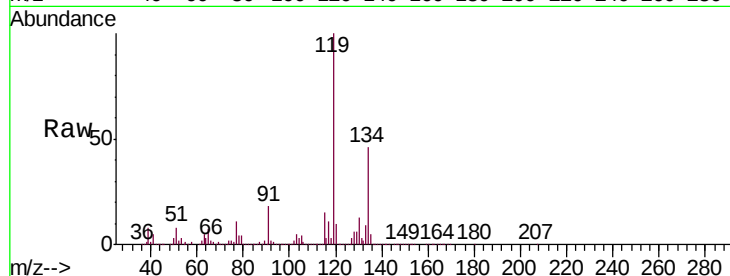




#66
 1,2-Dibromo-3-chloropropane
 Concen: 269.529 ug/L
 RT: 14.47 min Scan# 2061
 Delta R.T. -0.02 min
 Lab File: VW010095.D
 Acq: 23 Apr 2019 12:14

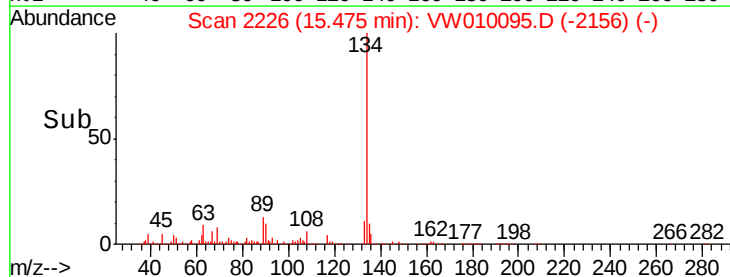
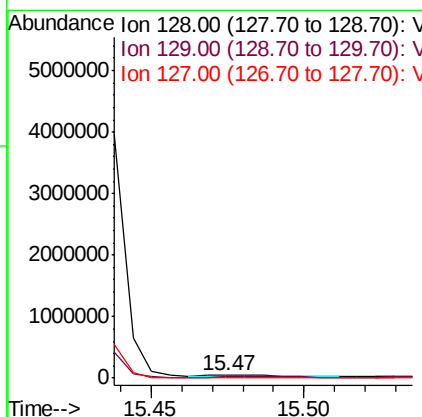
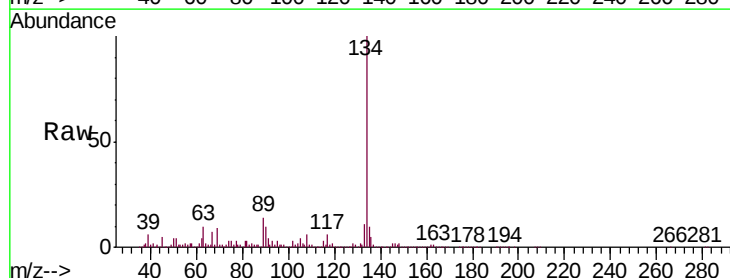
Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ2

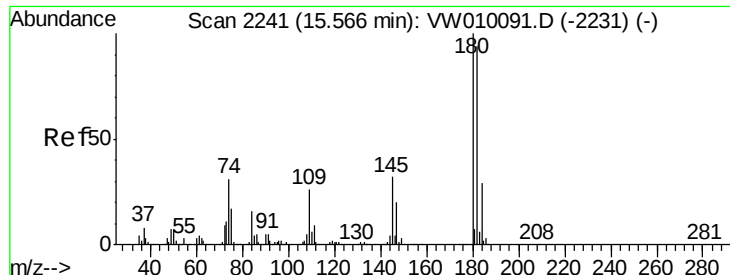
Tgt Ion: 75 Resp: 113149
 Ion Ratio Lower Upper
 75 100
 157 0.0 73.3 109.9#
 155 0.0 58.6 88.0#



#69
 Naphthalene
 Concen: 6.332 ug/L
 RT: 15.47 min Scan# 2226
 Delta R.T. 0.10 min
 Lab File: VW010095.D
 Acq: 23 Apr 2019 12:14

Tgt Ion: 128 Resp: 34474
 Ion Ratio Lower Upper
 128 100
 129 72.4 8.6 12.8#
 127 29.1 10.6 16.0#

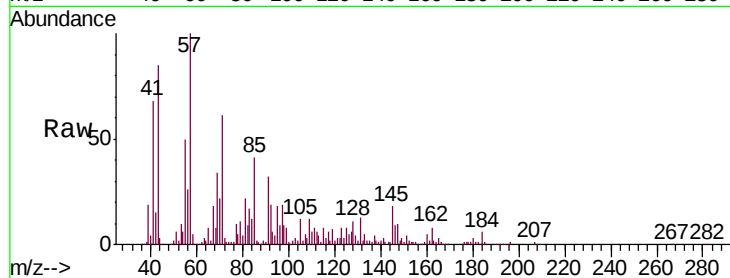




#70
 1,2,3-Trichlorobenzene
 Concen: 1.545 ug/L
 RT: 15.58 min Scan# 2244
 Delta R.T. 0.02 min
 Lab File: VW010095.D
 Acq: 23 Apr 2019 12:14

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ2

Tgt Ion:180 Resp: 3739
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.0 114.0
 145 1494.4 26.3 39.5#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

