

Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

Quant Time: Apr 24 03:55:06 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	87261	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	101593	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	42639	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	6724	8.15	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	32.60%
7) Chloroethane-d5	2.89	69	8897	10.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	42.60%
10) 1,1-Dichloroethene-d2	3.99	63	19779	8.65	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	34.60%#
20) 2-Butanone-d5	7.08	46	34580	77.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	155.04%#
24) Chloroform-d	7.65	84	52788	20.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.68%
26) 1,2-Dichloroethane-d4	8.30	65	45283	28.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.72%
29) Benzene-d6	8.27	84	90086	16.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	64.56%
33) 1,2-Dichloropropane-d6	9.27	67	40460	22.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.00%
37) Toluene-d8	10.32	98	79022	15.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	62.04%
38) trans-1,3-Dichloropropene-	10.58	79	18989	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.08%
39) 2-Hexanone-d5	10.93	63	23748	60.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	43642	26.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	35469	22.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.52%

Target Compounds

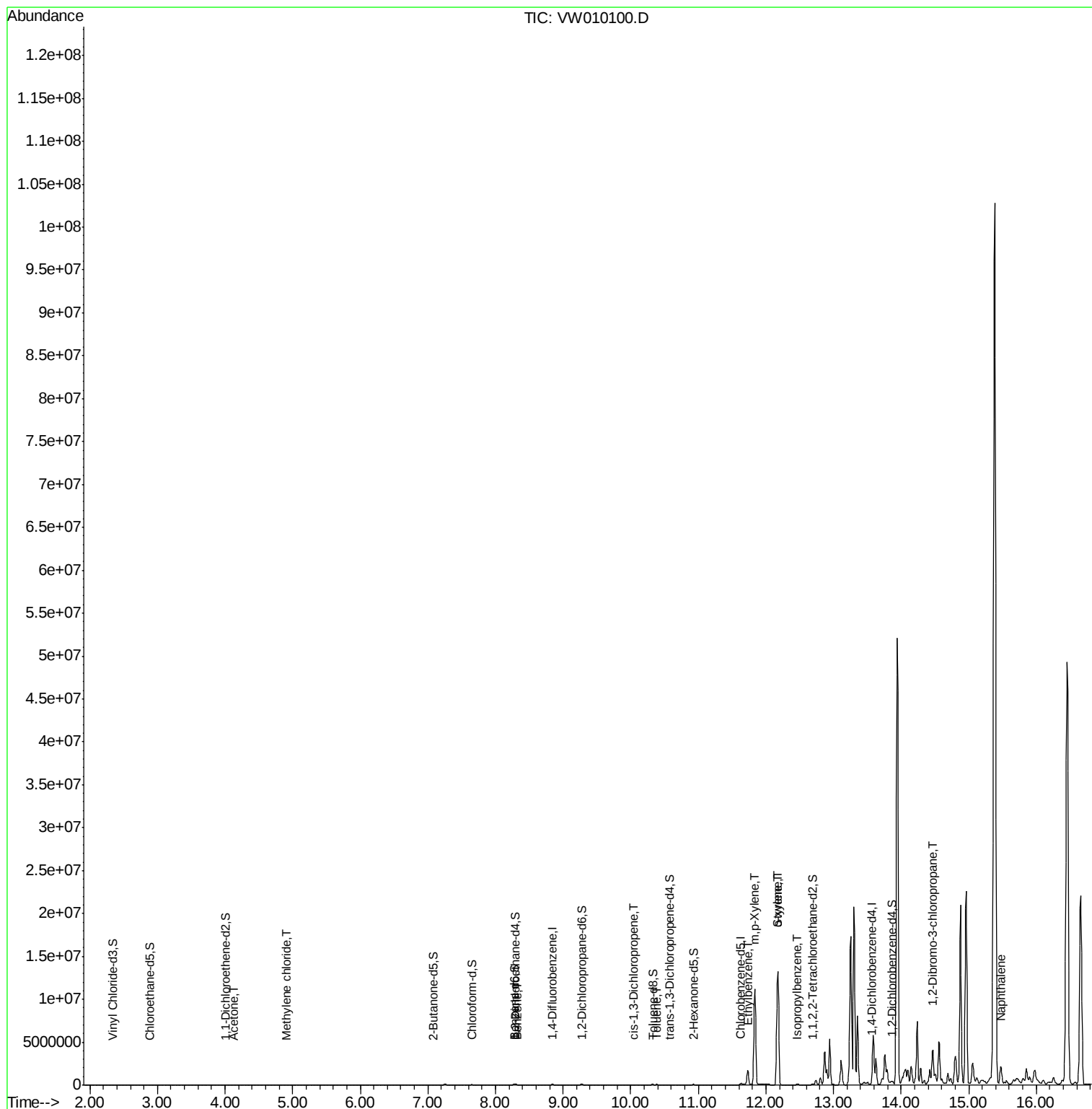
					Qvalue
13) Acetone	4.12	43	7177	18.093	ug/L 87
16) Methylene chloride	4.90	84	9083	5.749	ug/L 95
34) Benzene	8.32	78	4100	0.685	ug/L 100
42) cis-1,3-Dichloropropene	10.03	75	1465	0.600	ug/L 100
44) Toluene	10.38	91	59452	9.364	ug/L 98
53) Ethylbenzene	11.73	91	1147718	161.730	ug/L 100
54) m,p-Xylene	11.83	106	3353104	1291.771	ug/L 99
55) o-xylene	12.17	106	1787200	717.866	ug/L 97
56) Styrene	12.18	104	4715233	1081.896	ug/L 99
57) Isopropylbenzene	12.46	105	60616	9.141	ug/L 98
66) 1,2-Dibromo-3-chloropropan	14.47	75	72039	281.621	ug/L # 8
69) Naphthalene	15.48	128	18919	5.702	ug/L # 1

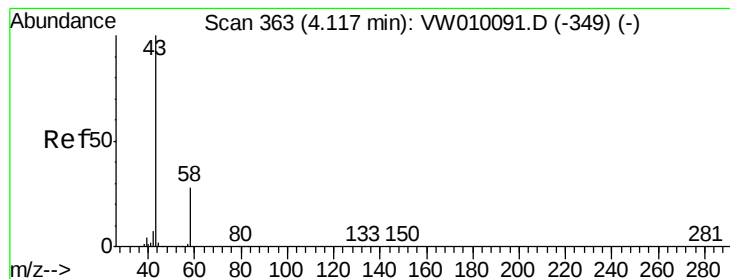
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 18.093 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

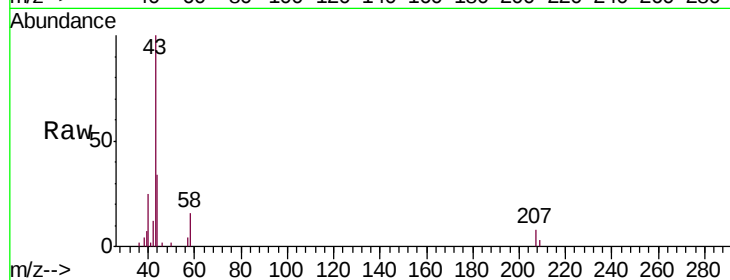
GAHS2

Tgt Ion: 43 Resp: 7177

Ion Ratio Lower Upper

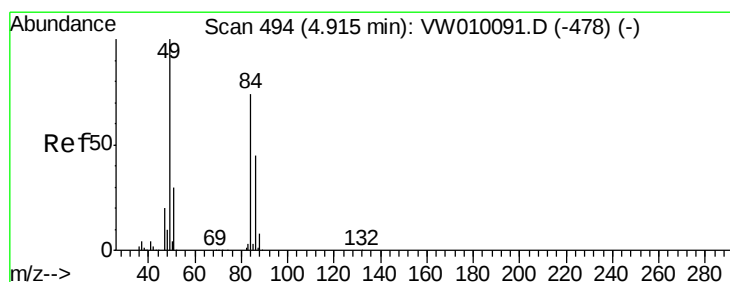
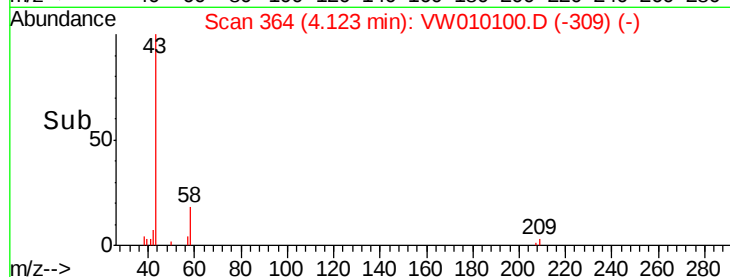
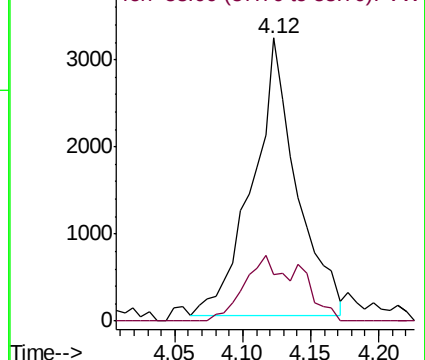
43 100

58 21.2 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: 5.749 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

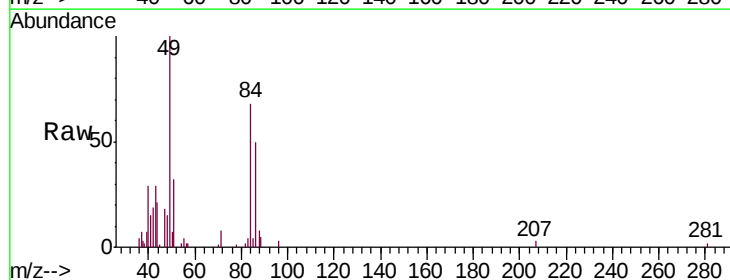
Tgt Ion: 84 Resp: 9083

Ion Ratio Lower Upper

84 100

49 146.1 100.7 187.1

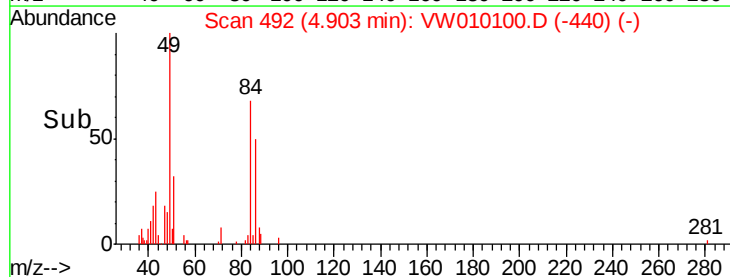
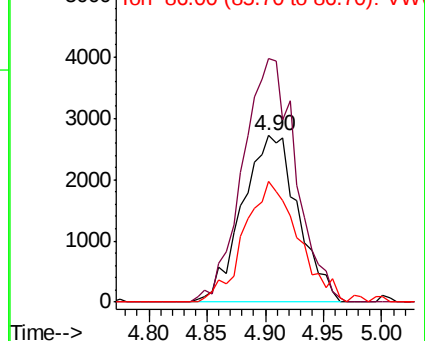
86 72.4 43.8 81.3

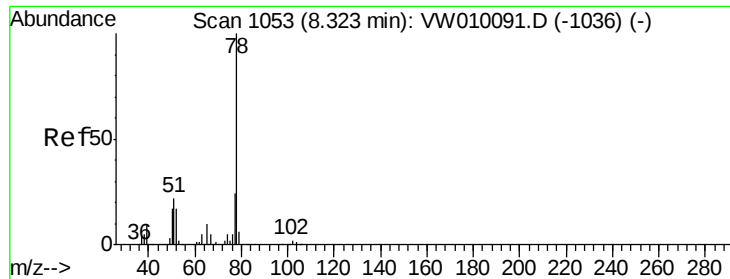


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#34

Benzene

Concen: 0.685 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

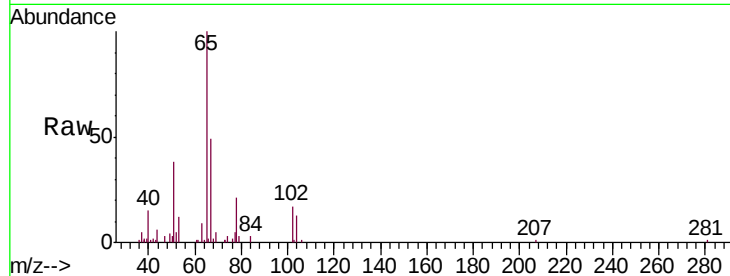
Instrument :

MSVOA_W

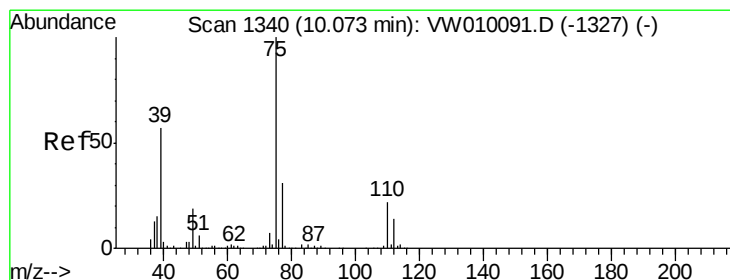
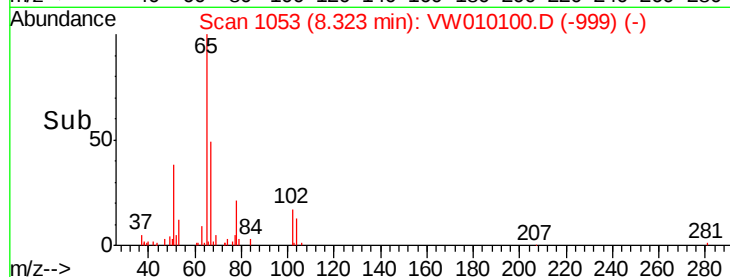
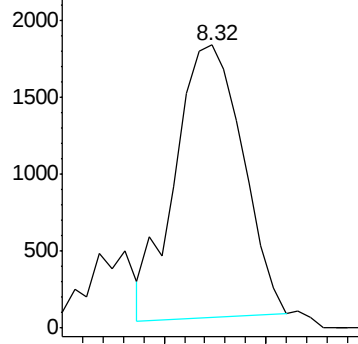
ClientSampleId :

GAHS2

Tgt Ion: 78 Resp: 4100



Abundance Ion 78.00 (77.70 to 78.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.600 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW010100.D

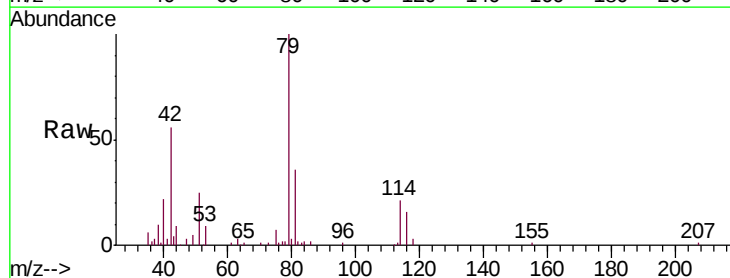
Acq: 23 Apr 2019 16:30

Tgt Ion: 75 Resp: 1465

Ion Ratio Lower Upper

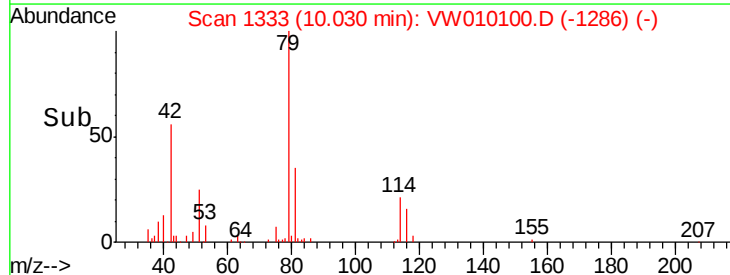
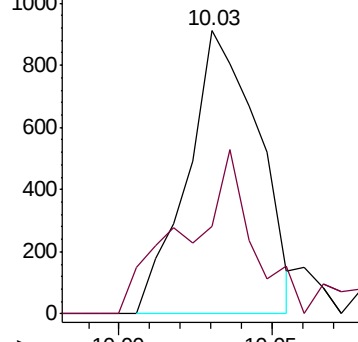
75 100

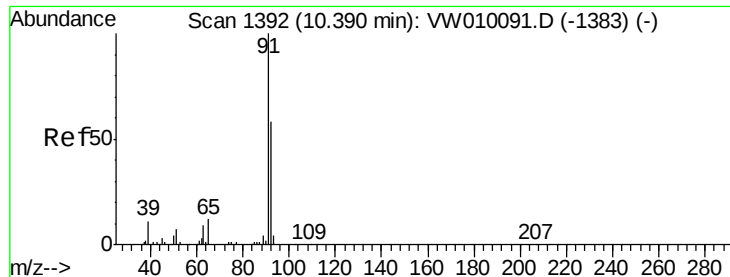
77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 9.364 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

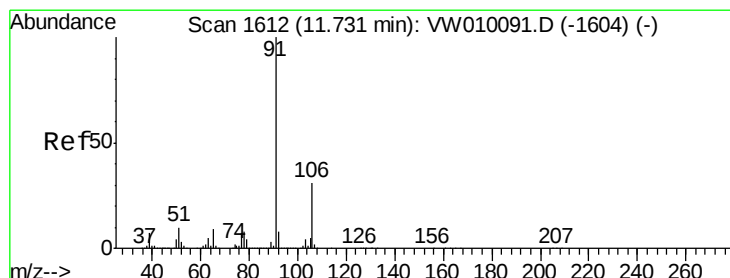
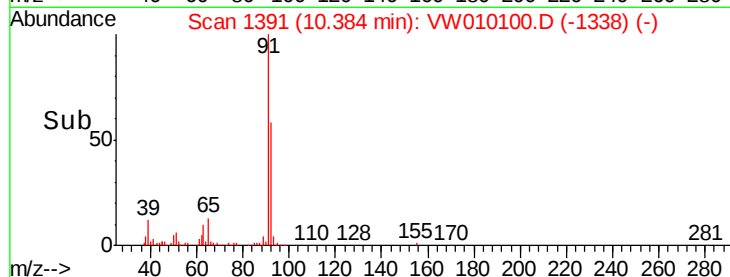
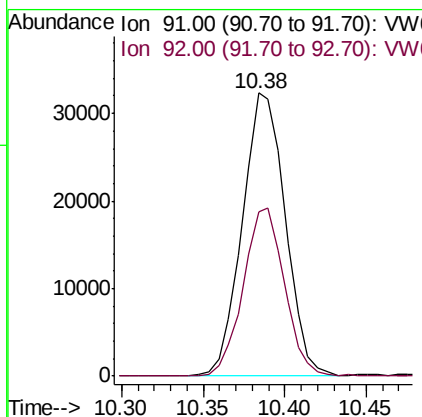
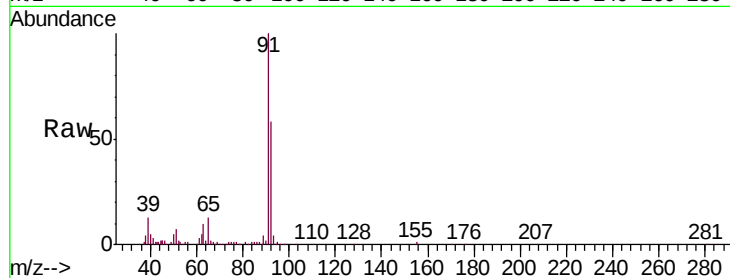
GAHS2

Tgt Ion: 91 Resp: 59452

Ion Ratio Lower Upper

91 100

92 58.2 39.8 74.0



#53

Ethylbenzene

Concen: 161.730 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010100.D

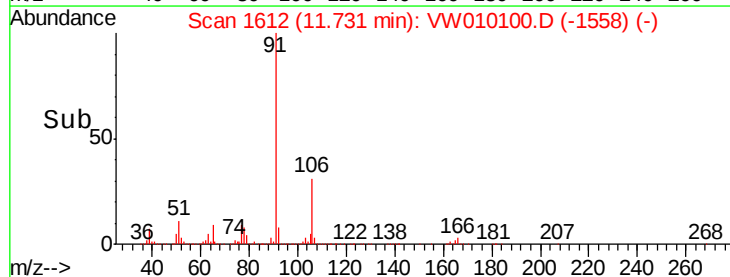
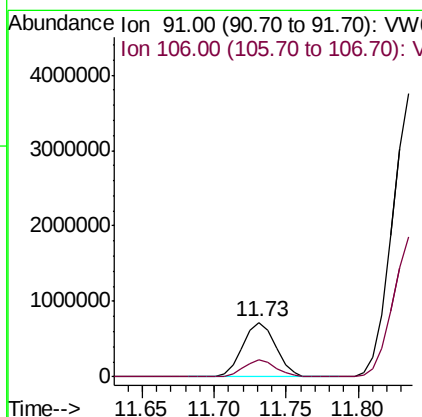
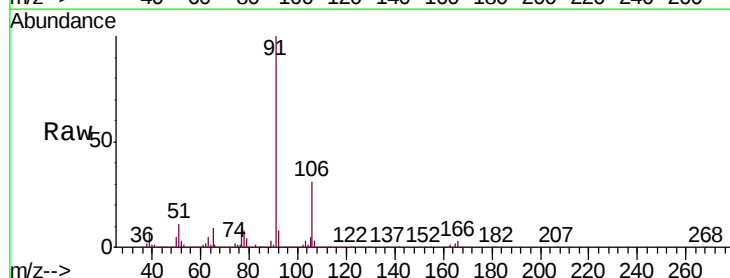
Acq: 23 Apr 2019 16:30

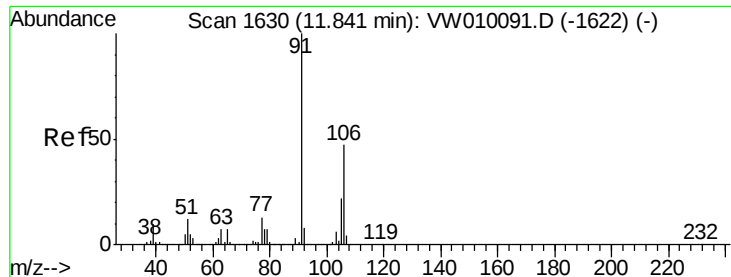
Tgt Ion: 91 Resp: 1147718

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4





#54

m,p-Xylene

Concen: 1291.771 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

Instrument :

MSVOA_W

ClientSampled :

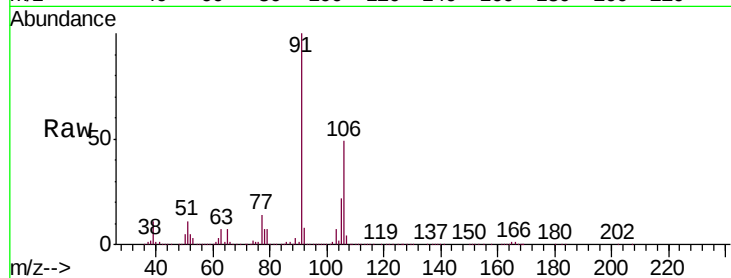
GAHS2

Tgt Ion:106 Resp: 3353104

Ion Ratio Lower Upper

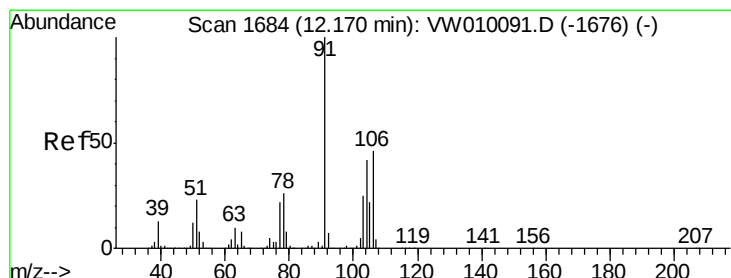
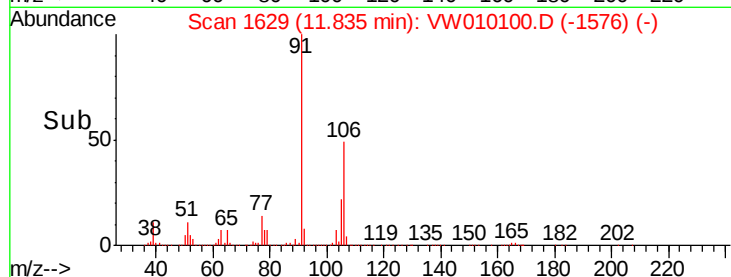
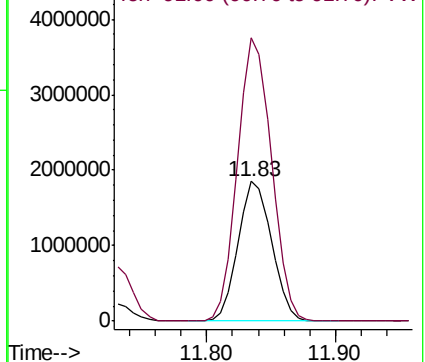
106 100

91 202.8 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 717.866 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW010100.D

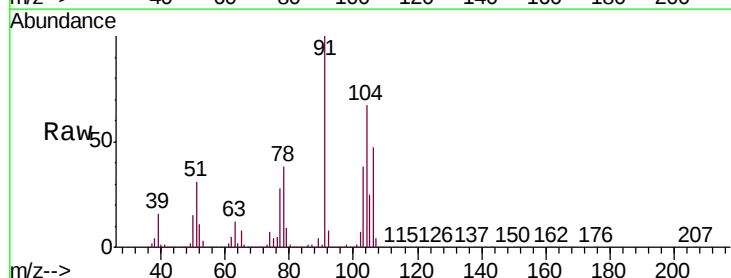
Acq: 23 Apr 2019 16:30

Tgt Ion:106 Resp: 1787200

Ion Ratio Lower Upper

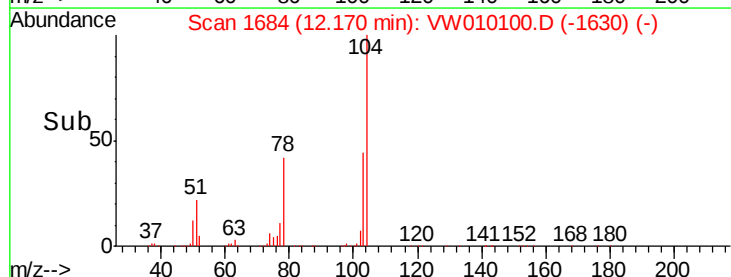
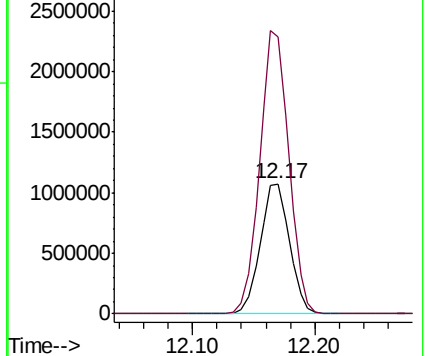
106 100

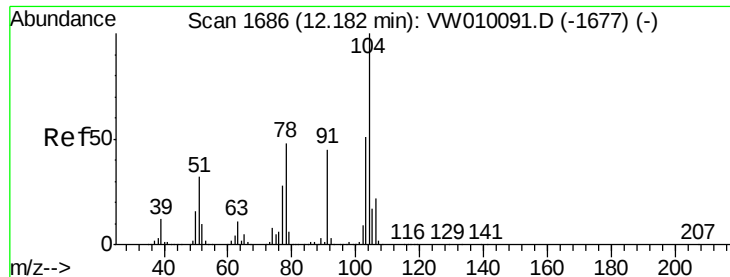
91 212.8 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 1081.896 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

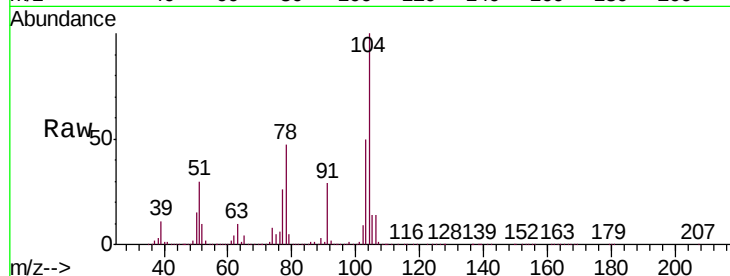
GAHS2

Tgt Ion:104 Resp: 4715233

Ion Ratio Lower Upper

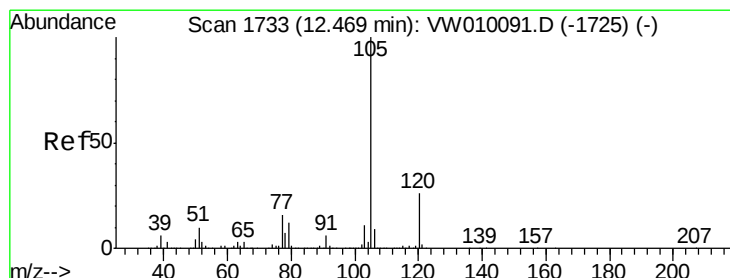
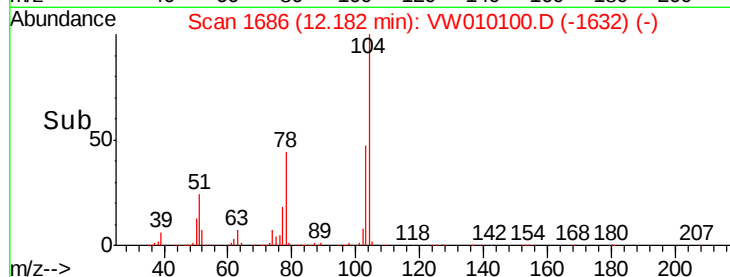
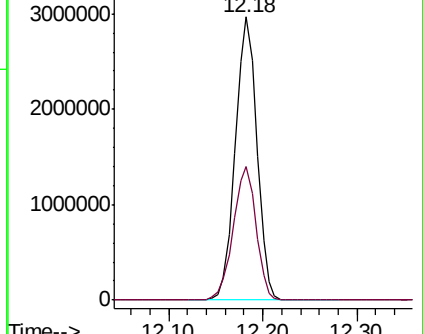
104 100

78 47.1 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV



#57

Isopropylbenzene

Concen: 9.141 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

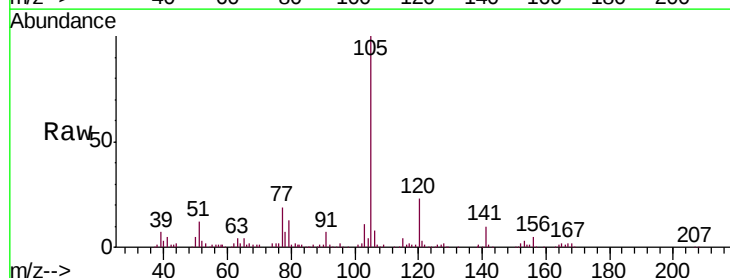
Tgt Ion:105 Resp: 60616

Ion Ratio Lower Upper

105 100

120 27.4 20.6 30.8

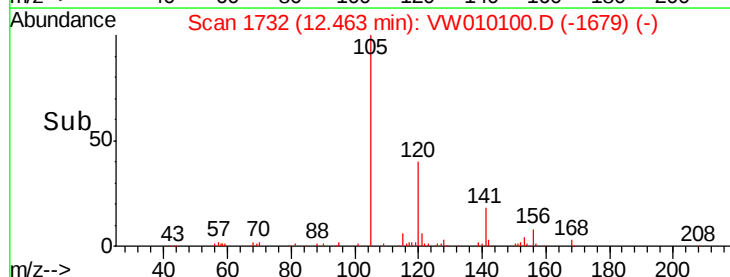
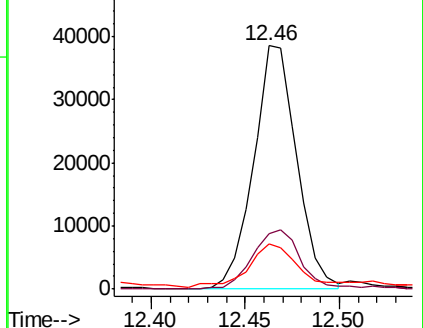
77 16.4 13.4 20.2

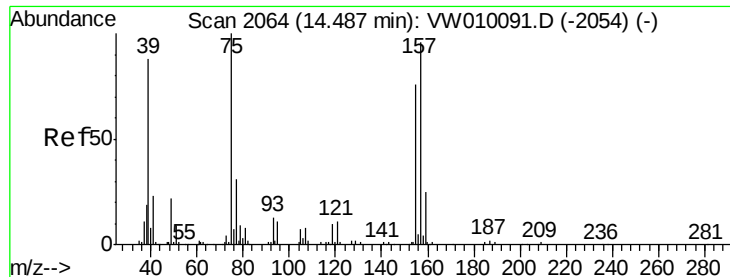


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV





#66

1,2-Dibromo-3-chloropropane

Concen: 281.621 ug/L

RT: 14.47 min Scan# 2062

Delta R.T. -0.01 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

Instrument :

MSVOA_W

ClientSampled :

GAHS2

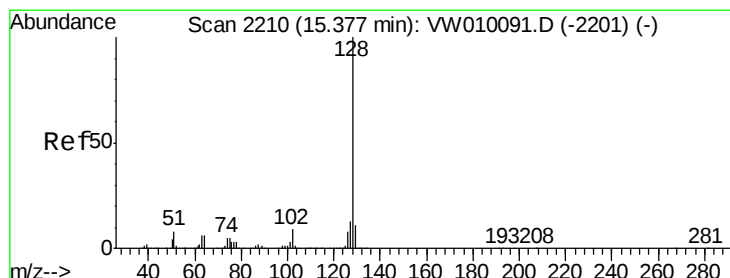
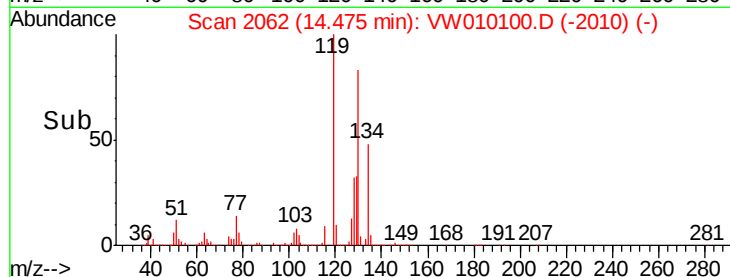
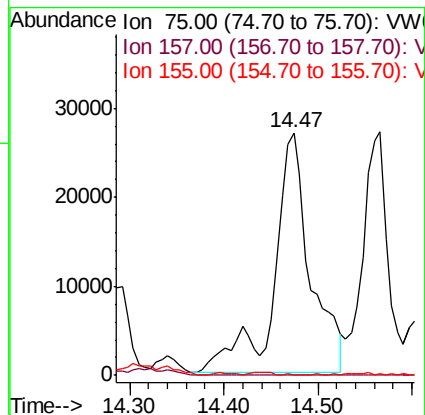
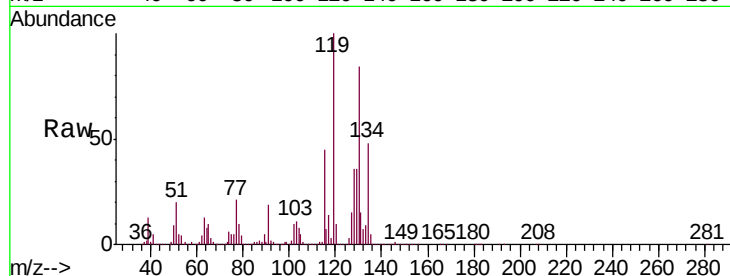
Tgt Ion: 75 Resp: 72039

Ion Ratio Lower Upper

75 100

157 0.0 73.3 109.9#

155 0.0 58.6 88.0#



#69

Naphthalene

Concen: 5.702 ug/L

RT: 15.48 min Scan# 2227

Delta R.T. 0.10 min

Lab File: VW010100.D

Acq: 23 Apr 2019 16:30

Tgt Ion: 128 Resp: 18919

Ion Ratio Lower Upper

128 100

129 198.4 8.6 12.8#

127 41.3 10.6 16.0#

