

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010121.D
 Acq On : 24 Apr 2019 21:03
 Operator : SY/VA
 Sample : K2481-20
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX3

Quant Time: Apr 25 02:50:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 25 01:36:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	655303	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	446880	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	85057	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	100651	16.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.28%
7) Chloroethane-d5	2.89	69	92527	17.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.52%
10) 1,1-Dichloroethene-d2	4.00	63	225494	12.27	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.08%
20) 2-Butanone-d5	7.07	46	125359	42.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.76%
24) Chloroform-d	7.64	84	325901	18.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.72%
26) 1,2-Dichloroethane-d4	8.31	65	212643	20.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.36%
29) Benzene-d6	8.27	84	669201	26.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.76%
33) 1,2-Dichloropropane-d6	9.27	67	217591	27.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.32%
37) Toluene-d8	10.32	98	504073	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.72%
38) trans-1,3-Dichloropropene-	10.57	79	75562	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.12%
39) 2-Hexanone-d5	10.93	63	92202	55.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103165	15.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	71775	22.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.16%

Target Compounds

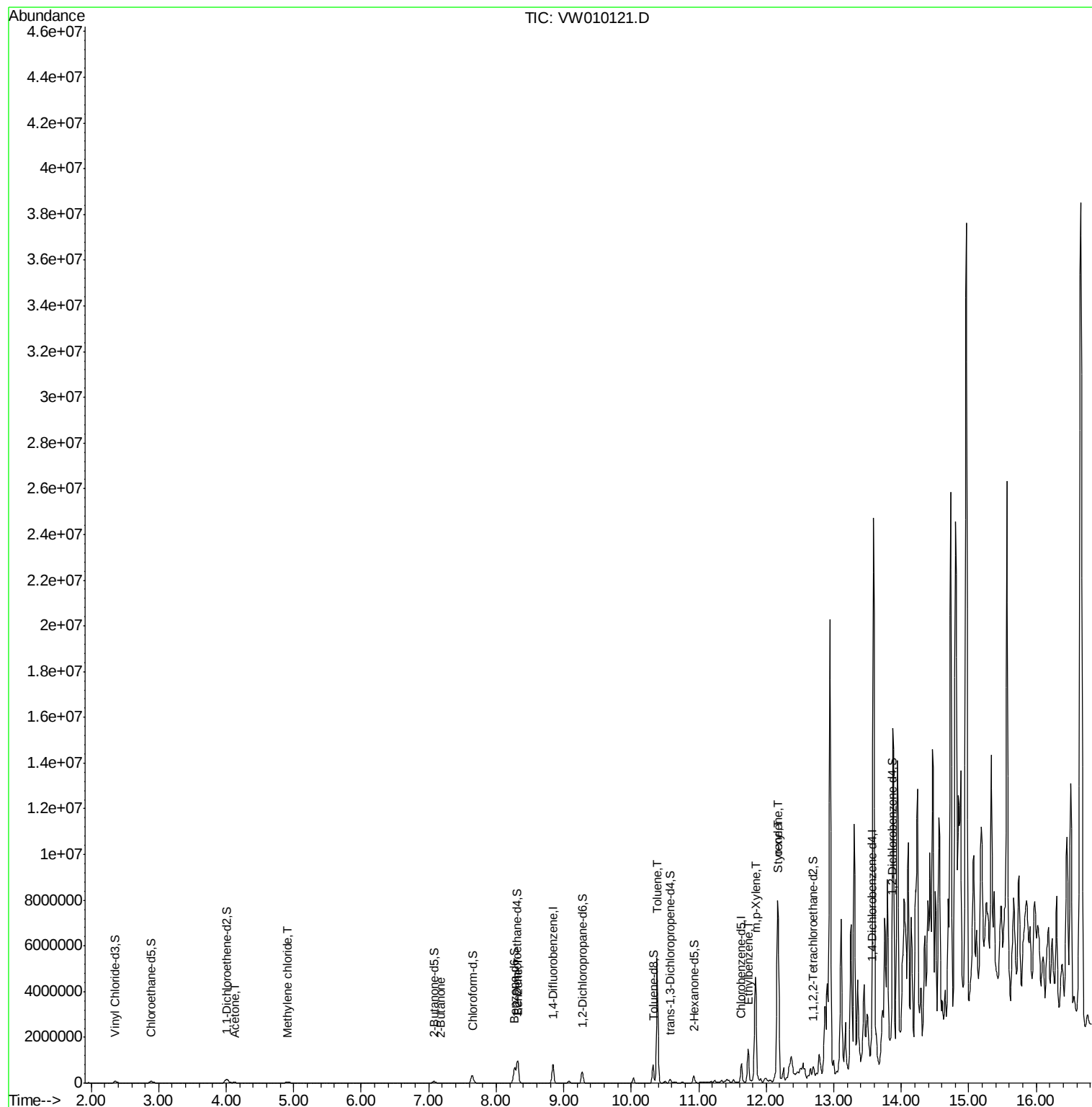
					Ovalue
13) Acetone	4.12	43	57152	25.601	ug/L 99
16) Methylene chloride	4.90	84	38189	4.158	ug/L 96
21) 2-Butanone	7.18	43	16808	4.856	ug/L 92
34) Benzene	8.32	78	801190	29.475	ug/L 100
44) Toluene	10.38	91	3853342	133.916	ug/L 98
53) Ethylbenzene	11.73	91	959427	29.708	ug/L 98
54) m,p-Xylene	11.84	106	1242901	104.044	ug/L 98
55) o-xylene	12.16	106	1593308	140.653	ug/L 96
56) Styrene	12.18	104	1741370	90.387	ug/L 100

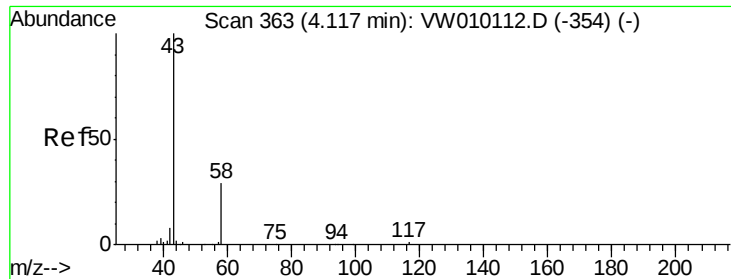
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 25 01:36:45 2019
Response via : Initial Calibration





#13

Acetone

Concen: 25.601 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

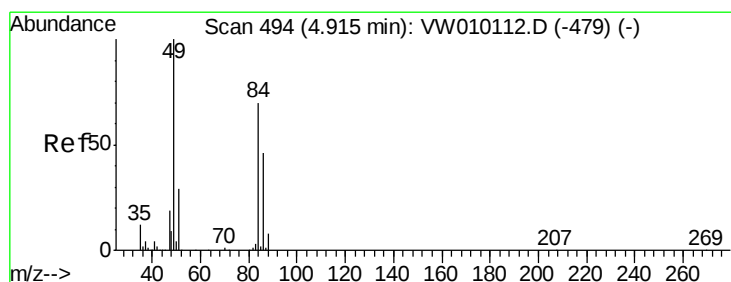
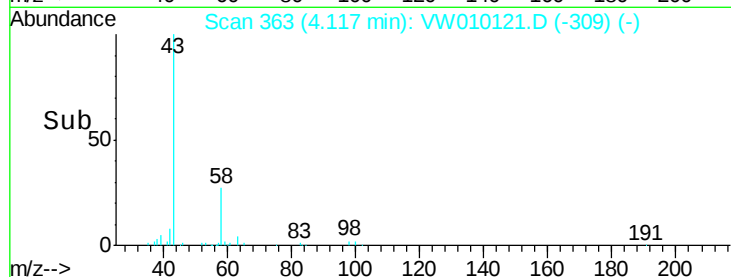
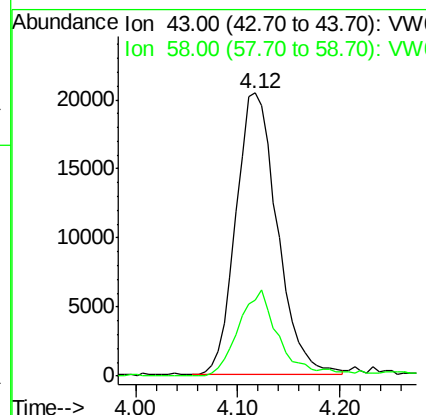
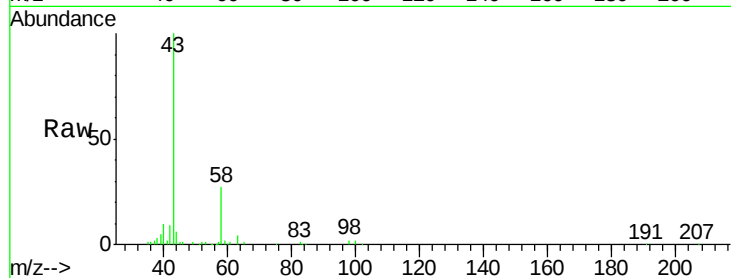
GAHX3

Tot Ion: 43 Resp: 57152

Ion Ratio Lower Upper

43 100

58 28.8 0.0 58.2



#16

Methylene chloride

Concen: 4.158 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

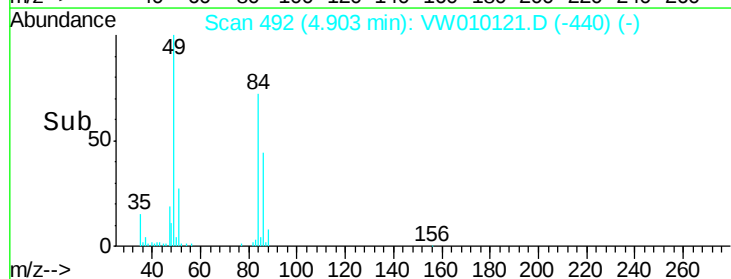
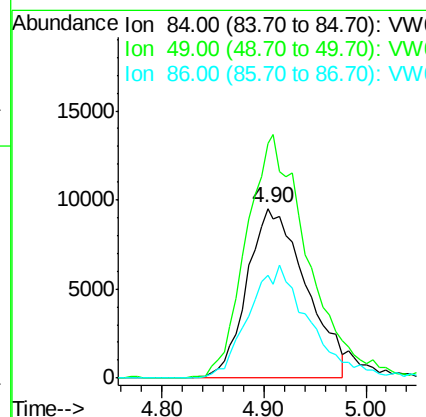
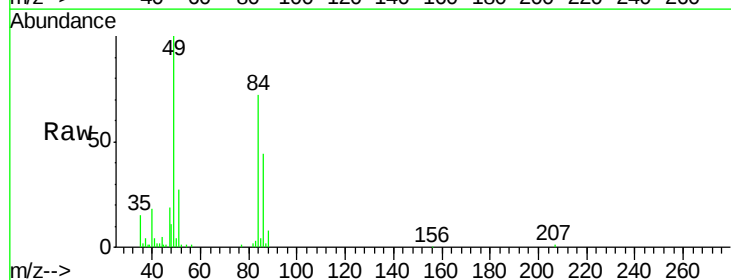
Tgt Ion: 84 Resp: 38189

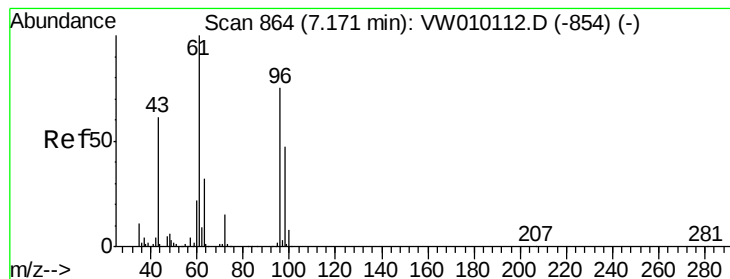
Ion Ratio Lower Upper

84 100

49 138.3 93.5 173.7

86 60.7 44.9 83.5





#21

2-Butanone

Concen: 4.856 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampled :

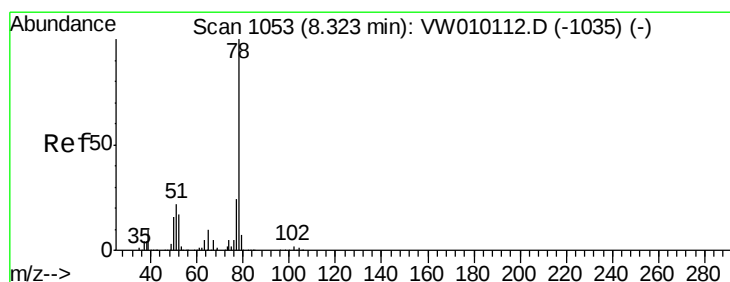
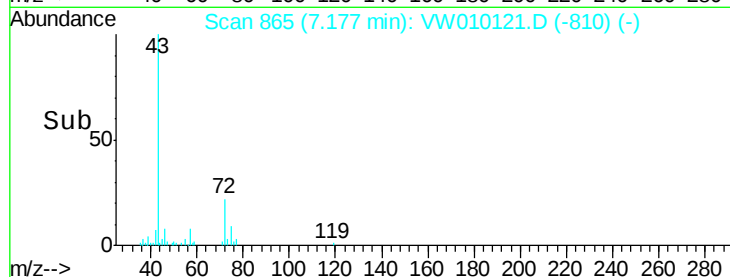
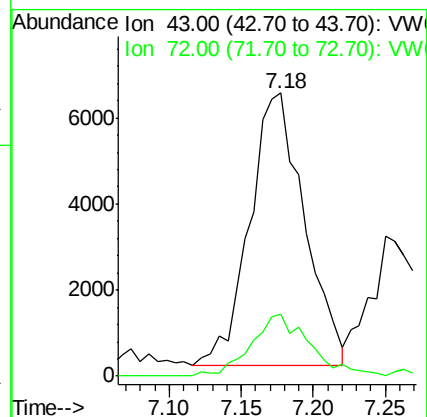
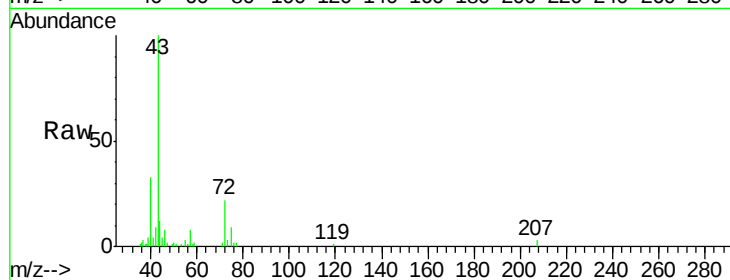
GAHX3

Tot Ion: 43 Resp: 16808

Ion Ratio Lower Upper

43 100

72 20.7 12.3 36.8



#34

Benzene

Concen: 29.475 ug/L

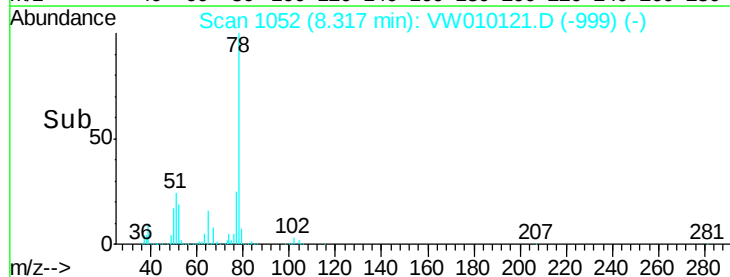
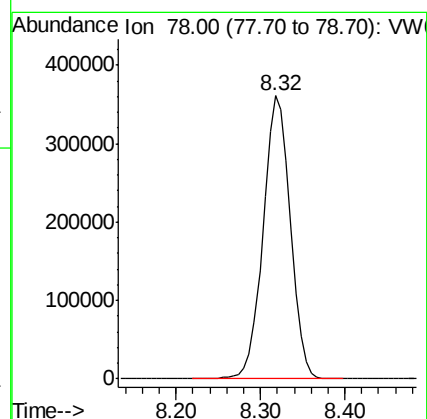
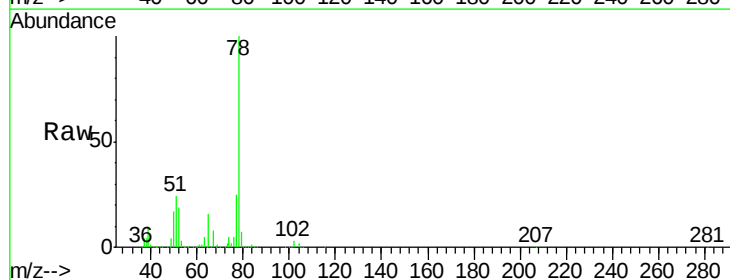
RT: 8.32 min Scan# 1052

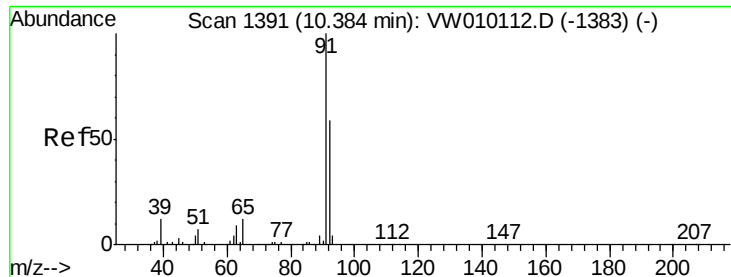
Delta R.T. -0.01 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Tgt Ion: 78 Resp: 801190





#44

Toluene

Concen: 133.916 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

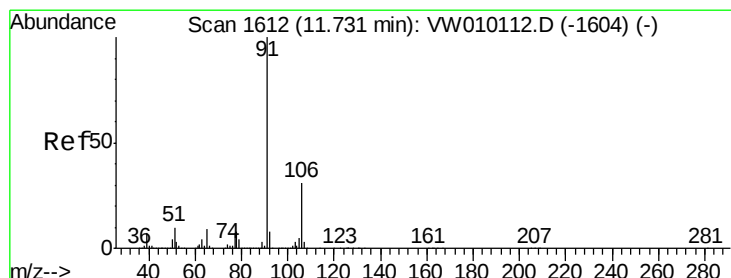
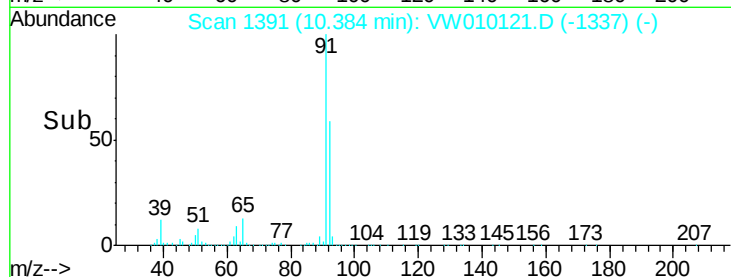
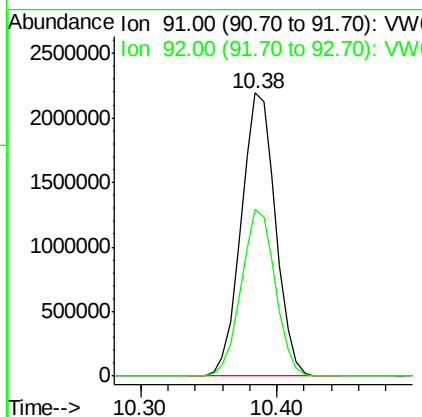
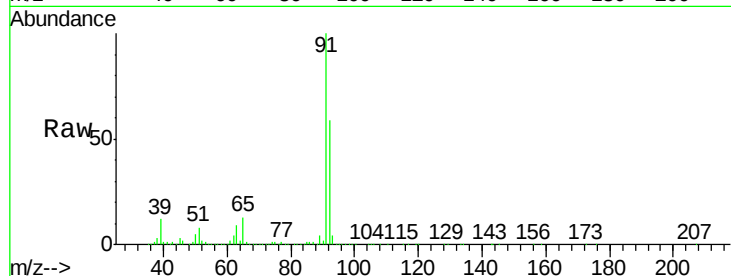
GAHX3

Tot Ion: 91 Resp: 3853342

Ion Ratio Lower Upper

91 100

92 59.0 40.3 74.9



#53

Ethylbenzene

Concen: 29.708 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010121.D

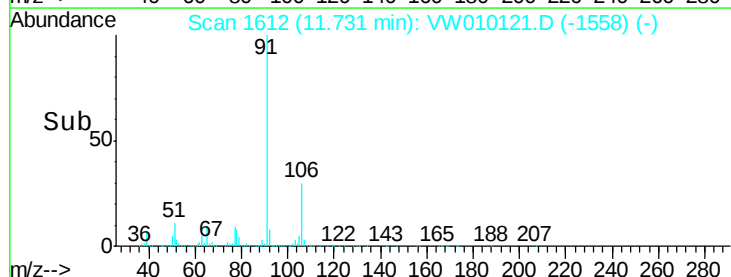
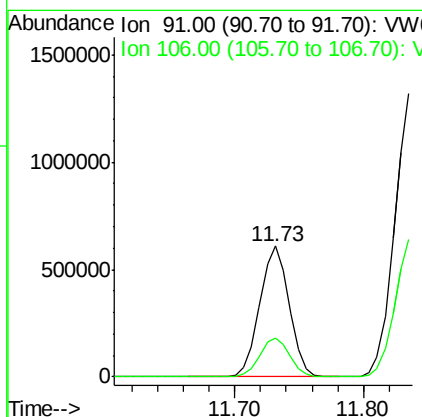
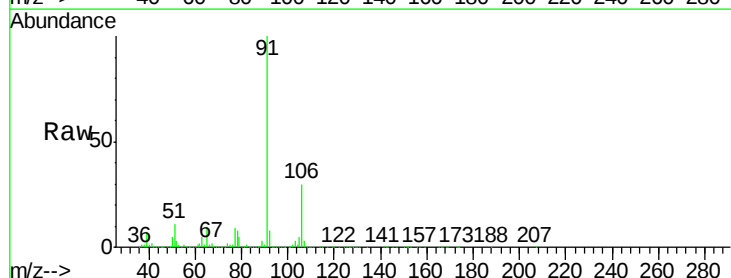
Acq: 24 Apr 2019 21:03

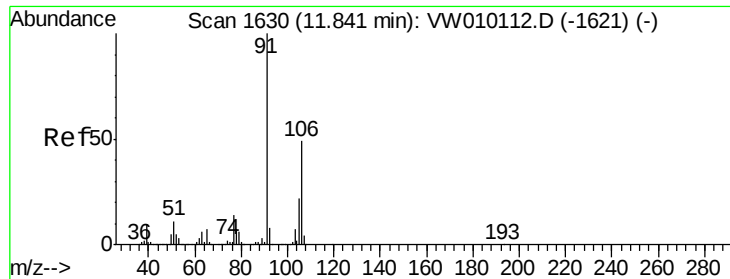
Tgt Ion: 91 Resp: 959427

Ion Ratio Lower Upper

91 100

106 29.6 21.5 39.9





#54

m,p-Xylene

Concen: 104.044 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

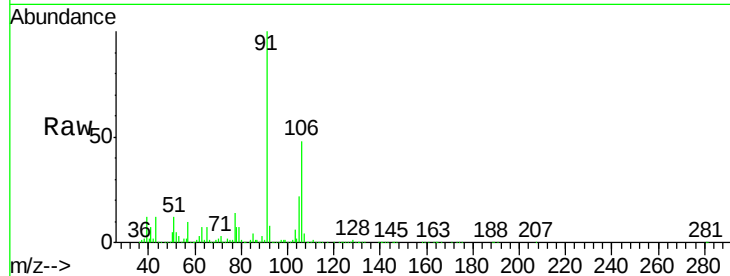
GAHX3

Tot Ion:106 Resp: 1242901

Ion Ratio Lower Upper

106 100

91 208.5 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

1500000

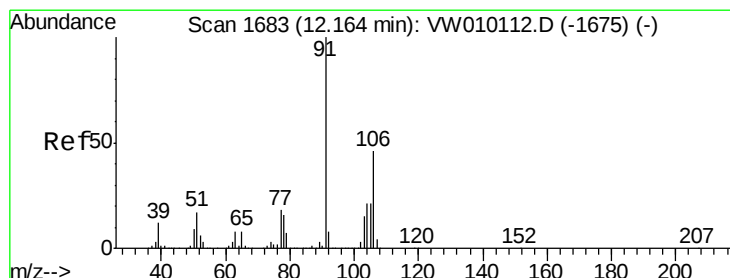
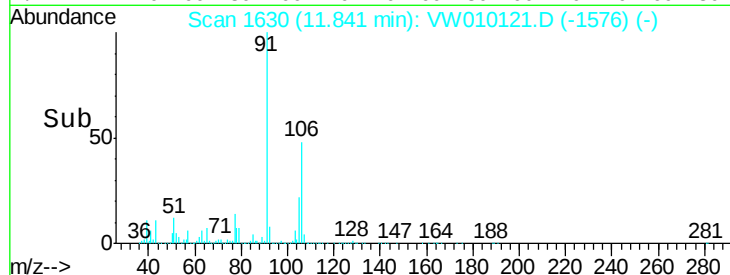
1000000

500000

0

11.84

Time-->



#55

o-xylene

Concen: 140.653 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010121.D

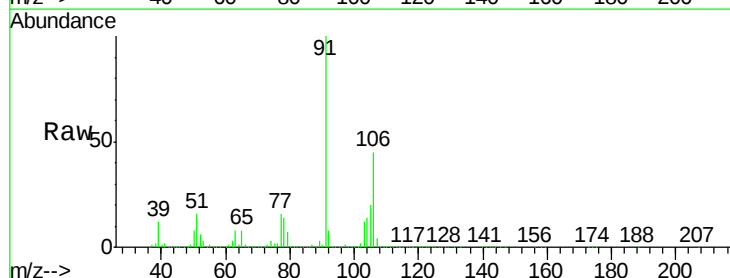
Acq: 24 Apr 2019 21:03

Tgt Ion:106 Resp: 1593308

Ion Ratio Lower Upper

106 100

91 222.3 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

2500000

2000000

1500000

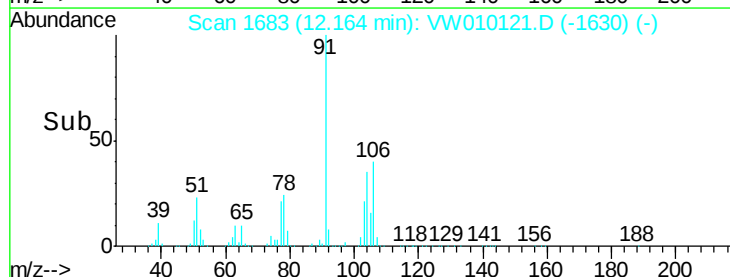
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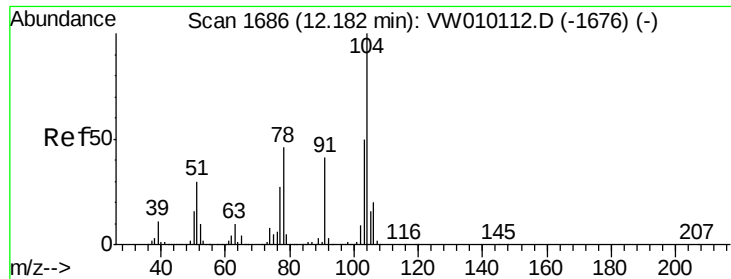
500000

0

12.16

Time-->





#56

Stvrene

Concen: 90.387 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

GAHX3

Tot Ion:104 Resp: 1741370

Ion Ratio Lower Upper

104 100

78 48.0 33.4 62.0

