

Data File : VW010999.D
Acq On : 26 Jun 2019 12:50
Operator : SY/VA
Sample : K3461-05MSD
Misc : 4.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YANZ3MSD

Quant Time: Jun 27 07:33:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 27 07:30:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	347430	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315453	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	148222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88711	19.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.80%
7) Chloroethane-d5	2.89	69	66484	19.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.60%
10) 1,1-Dichloroethene-d2	4.03	63	219838	20.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.64%
20) 2-Butanone-d5	7.07	46	85966	40.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.30%
24) Chloroform-d	7.65	84	201328	21.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.96%
26) 1,2-Dichloroethane-d4	8.31	65	128665	22.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.60%
29) Benzene-d6	8.27	84	408082	21.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.20%
33) 1,2-Dichloropropane-d6	9.27	67	138889	22.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.76%
37) Toluene-d8	10.32	98	364541	21.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.32%
38) trans-1,3-Dichloropropene-	10.58	79	51666	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.64%
39) 2-Hexanone-d5	10.93	63	58876	41.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110227	21.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	130612	23.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.36%

Target Compounds

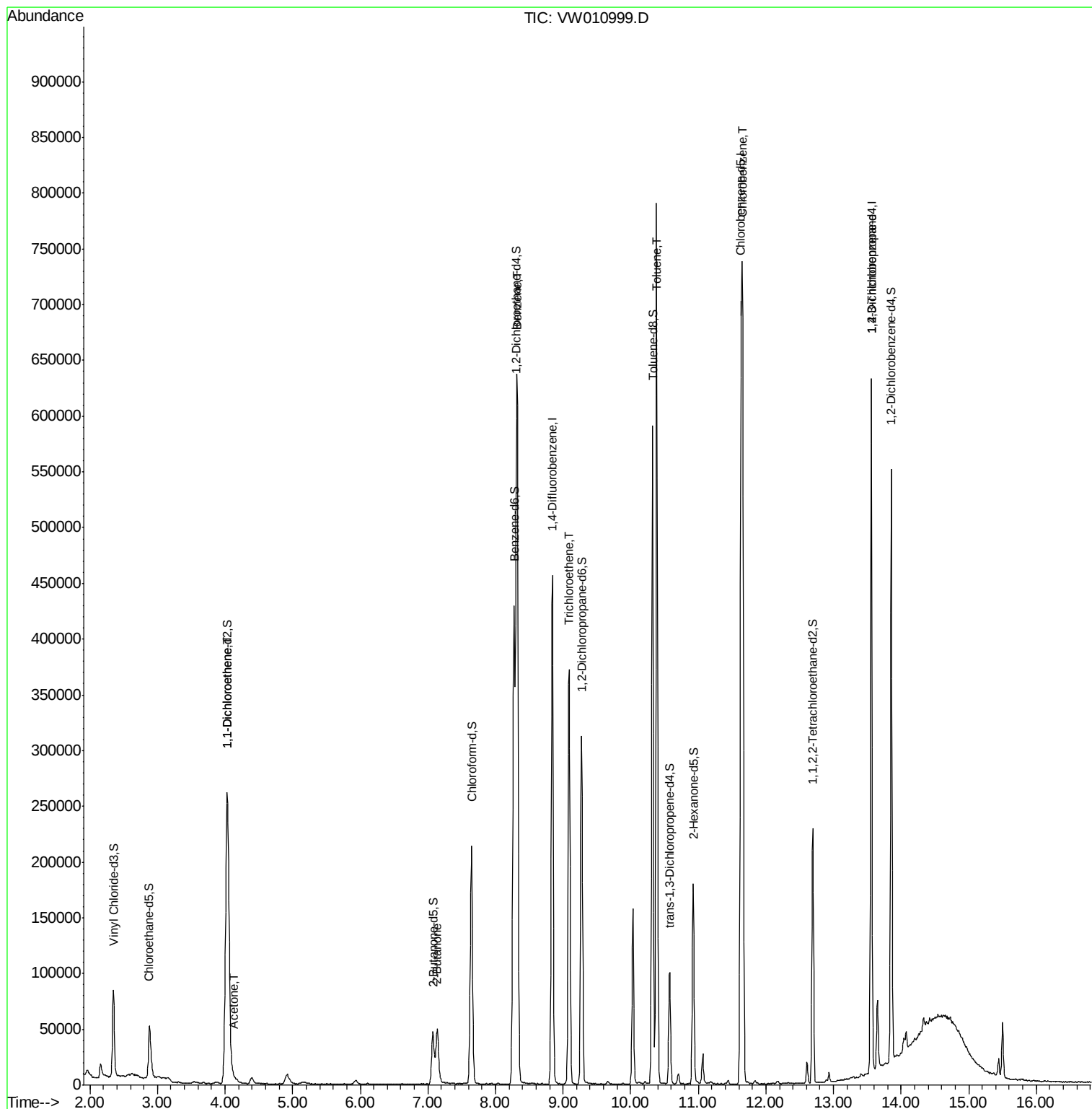
					Qvalue
12) 1,1-Dichloroethene	4.04	96	110752	22.773 ug/L	100
13) Acetone	4.13	43	6860	3.387 ug/L	90
21) 2-Butanone	7.14	43	4064	1.526 ug/L #	66
34) Benzene	8.32	78	522028	25.183 ug/L	100
35) Trichloroethene	9.09	95	128395	24.424 ug/L	99
44) Toluene	10.38	91	546097	25.194 ug/L	100
52) Chlorobenzene	11.66	112	329460	25.258 ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	21025	5.296 ug/L	91

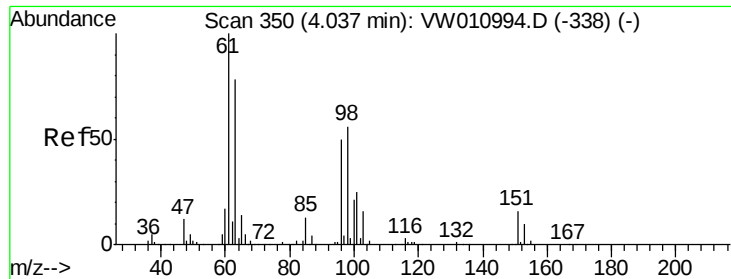
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 22.773 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010999.D

Acq: 26 Jun 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

YANZ3MSD

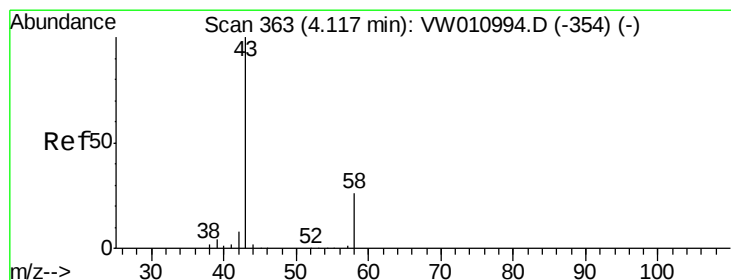
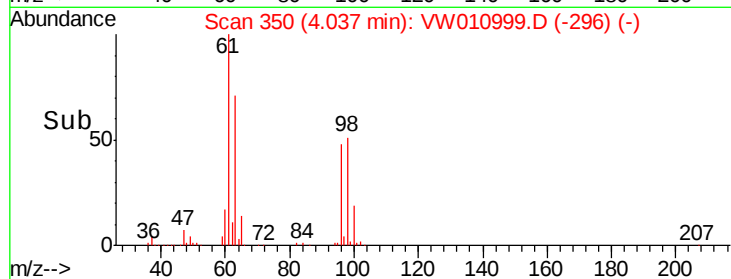
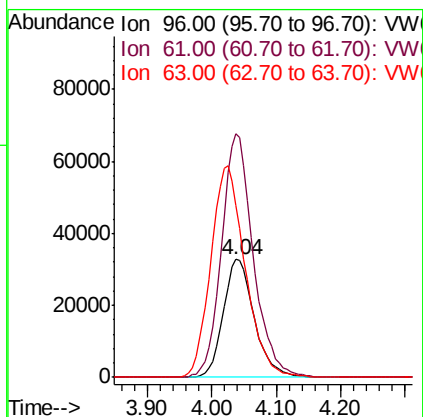
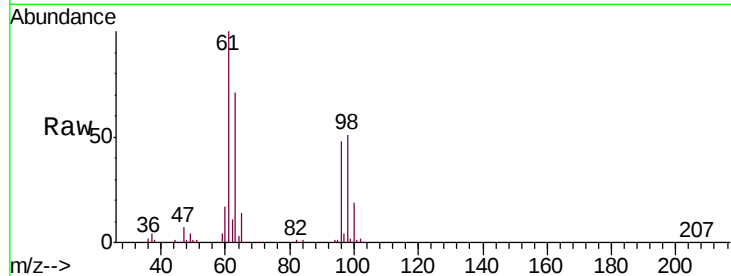
Tgt Ion: 96 Resp: 110752

Ion Ratio Lower Upper

96 100

61 206.4 144.5 268.3

63 146.2 102.3 189.9



#13

Acetone

Concen: 3.387 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010999.D

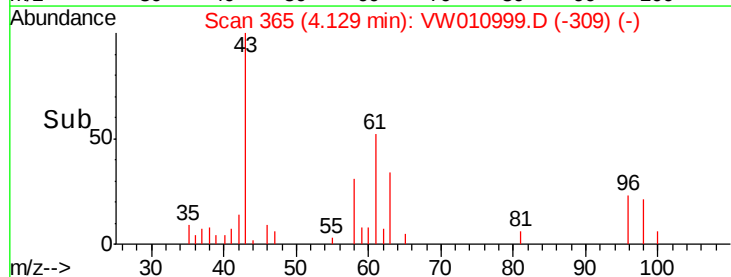
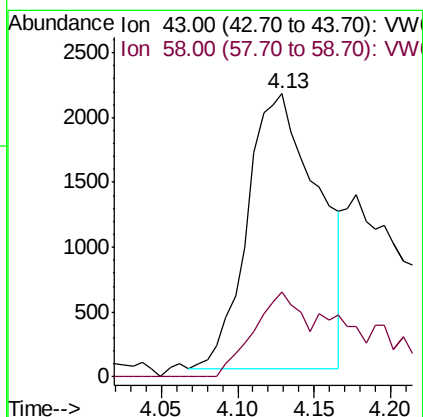
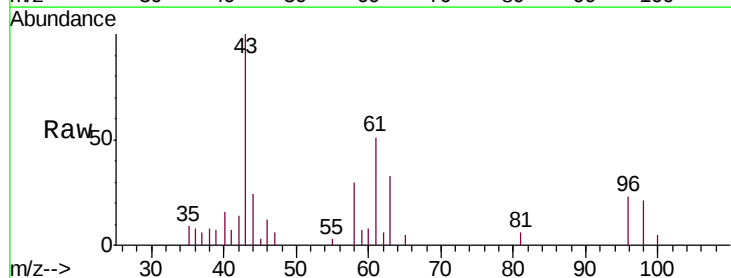
Acq: 26 Jun 2019 12:50

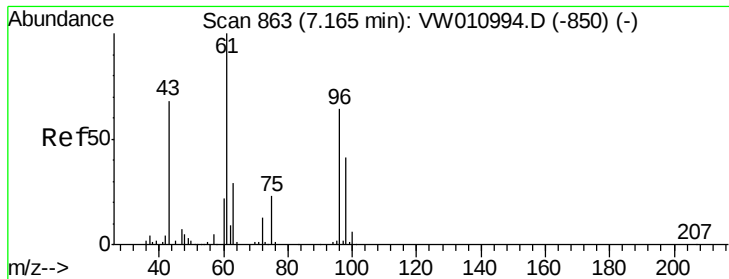
Tgt Ion: 43 Resp: 6860

Ion Ratio Lower Upper

43 100

58 21.5 0.0 53.2





#21

2-Butanone

Concen: 1.526 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010999.D

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Instrument :

MSVOA_W

ClientSampleId :

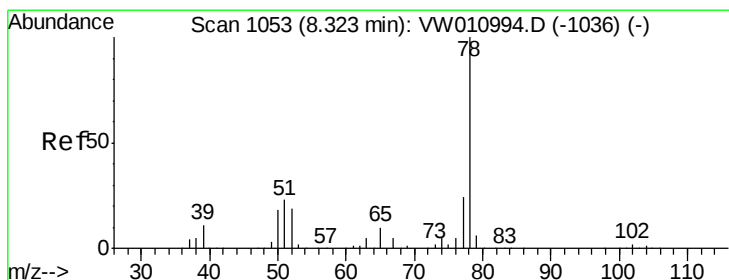
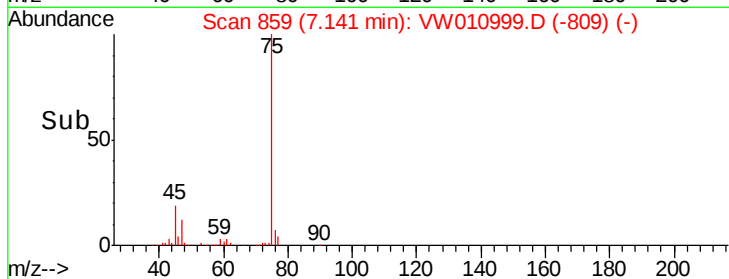
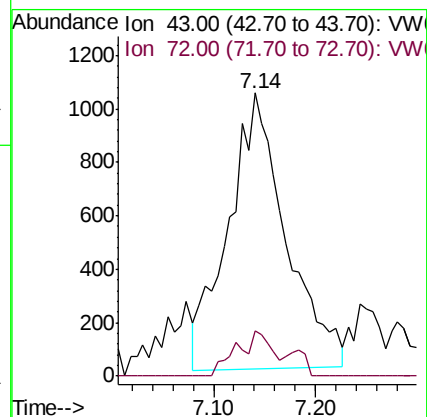
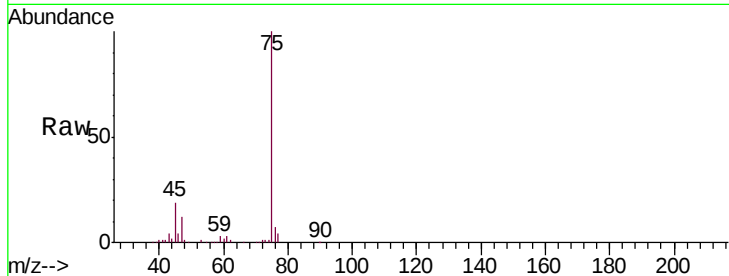
YANZ3MSD

Tgt Ion: 43 Resp: 4064

Ion Ratio Lower Upper

43 100

72 5.4 10.9 32.6#



#34

Benzene

Concen: 25.183 ug/L

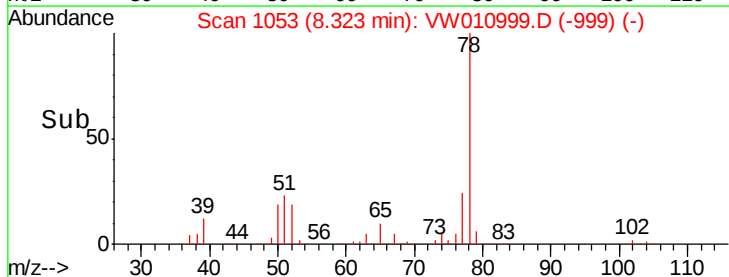
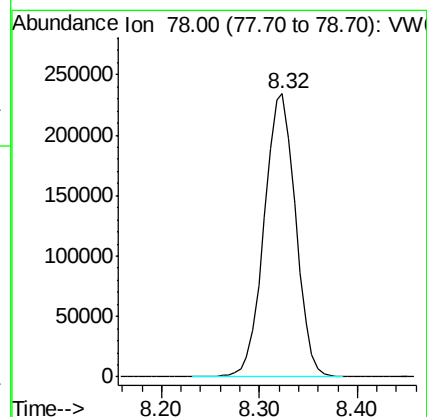
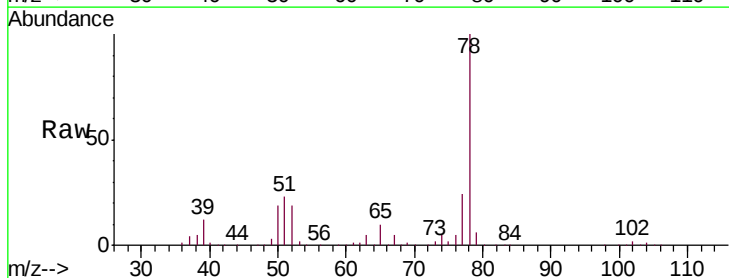
RT: 8.32 min Scan# 1053

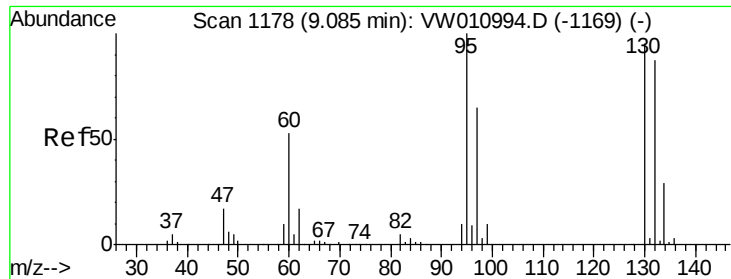
Delta R.T. 0.00 min

Lab File: VW010999.D

Acq: 26 Jun 2019 12:50

Tgt Ion: 78 Resp: 522028





#35

Trichloroethene

Concen: 24.424 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010999.D

Acq: 26 Jun 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

YANZ3MSD

Tgt Ion: 95 Resp: 128395

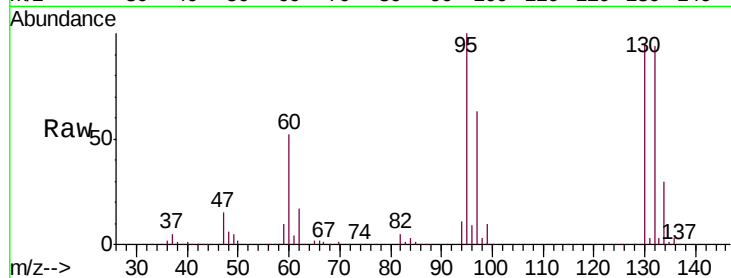
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.3

132 92.5 64.0 119.0

130 96.8 67.4 125.2

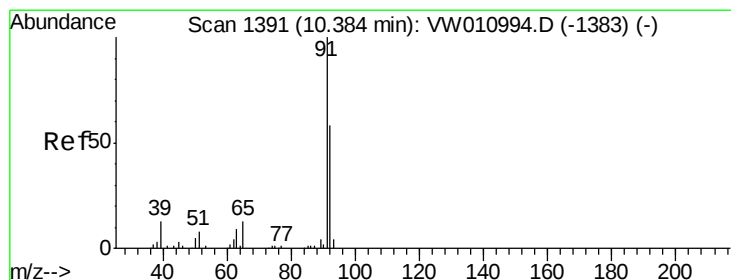
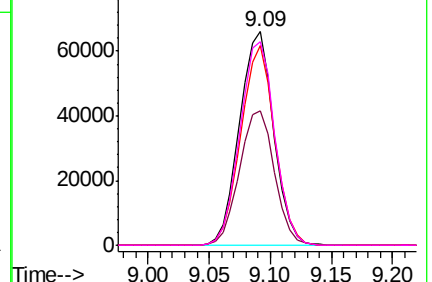
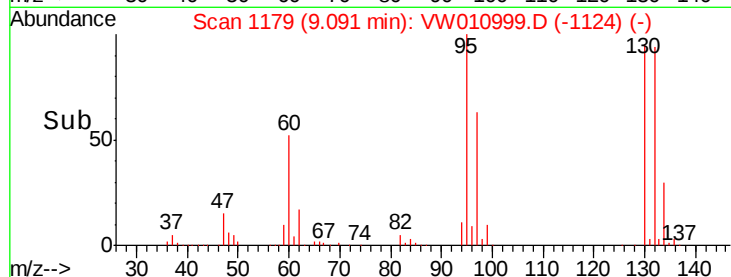


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#44

Toluene

Concen: 25.194 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010999.D

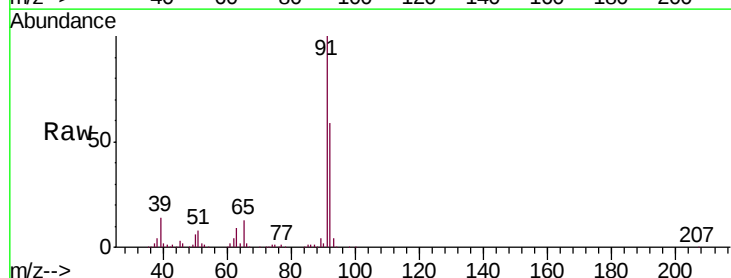
Acq: 26 Jun 2019 12:50

Tgt Ion: 91 Resp: 546097

Ion Ratio Lower Upper

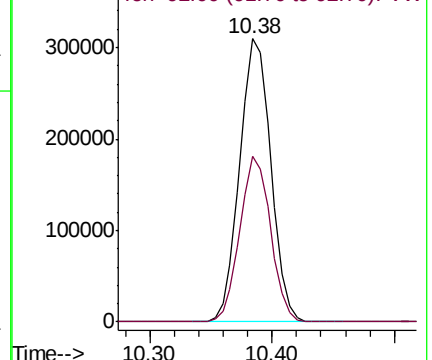
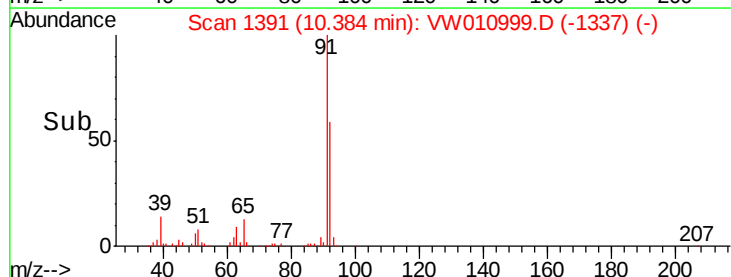
91 100

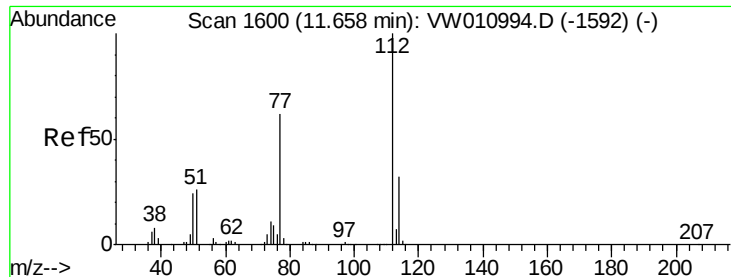
92 58.6 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

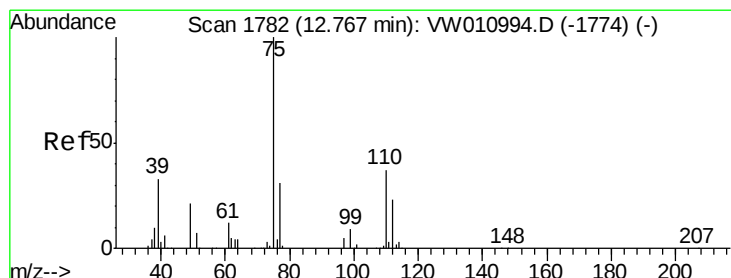
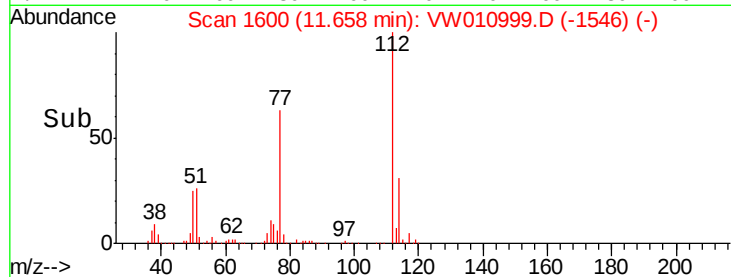
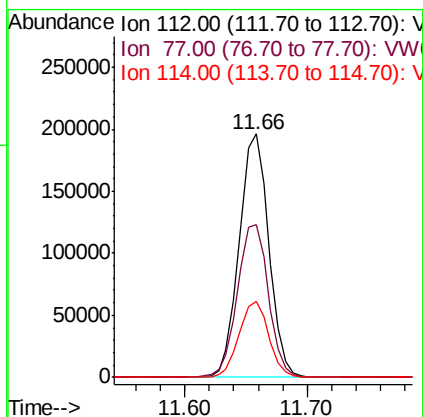
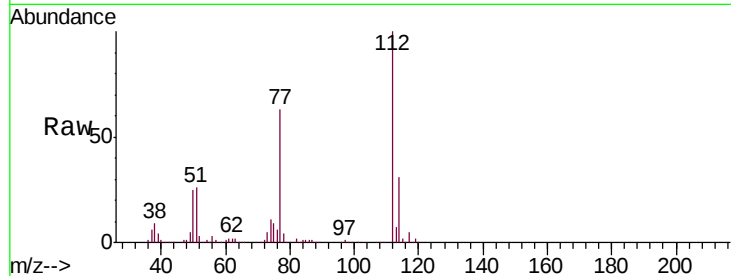




#52
Chlorobenzene
Concen: 25.258 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010999.D
Acq: 26 Jun 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
YANZ3MSD

Tgt Ion: 112 Resp: 329460
Ion Ratio Lower Upper
112 100
77 63.0 51.1 76.7
114 31.3 22.7 42.1



#59
1,2,3-Trichloropropane
Concen: 5.296 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW010999.D
Acq: 26 Jun 2019 12:50

Tgt Ion: 75 Resp: 21025
Ion Ratio Lower Upper
75 100
77 36.5 25.2 37.8

