

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\
 Data File : VW014656.D
 Acq On : 15 Jan 2020 17:30
 Operator : SY/VA
 Sample : L1118-07MSD
 Misc : 7.01G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 16 01:22:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 01:18:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1453800	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1249766	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	570627	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	360806	17.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.40%
7) Chloroethane-d5	2.89	69	287492	19.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.16%
10) 1,1-Dichloroethene-d2	4.02	63	702012	18.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.92%
20) 2-Butanone-d5	7.07	46	166699	34.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.36%
24) Chloroform-d	7.65	84	640594	19.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.60%
26) 1,2-Dichloroethane-d4	8.30	65	324112	18.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.68%
29) Benzene-d6	8.27	84	1430657	21.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.12%
33) 1,2-Dichloropropane-d6	9.27	67	428205	21.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.72%
37) Toluene-d8	10.32	98	1289763	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.64%
38) trans-1,3-Dichloropropene-	10.57	79	161885	19.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.44%
39) 2-Hexanone-d5	10.92	63	129388	37.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	286009	19.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	407561	21.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.72%

Target Compounds

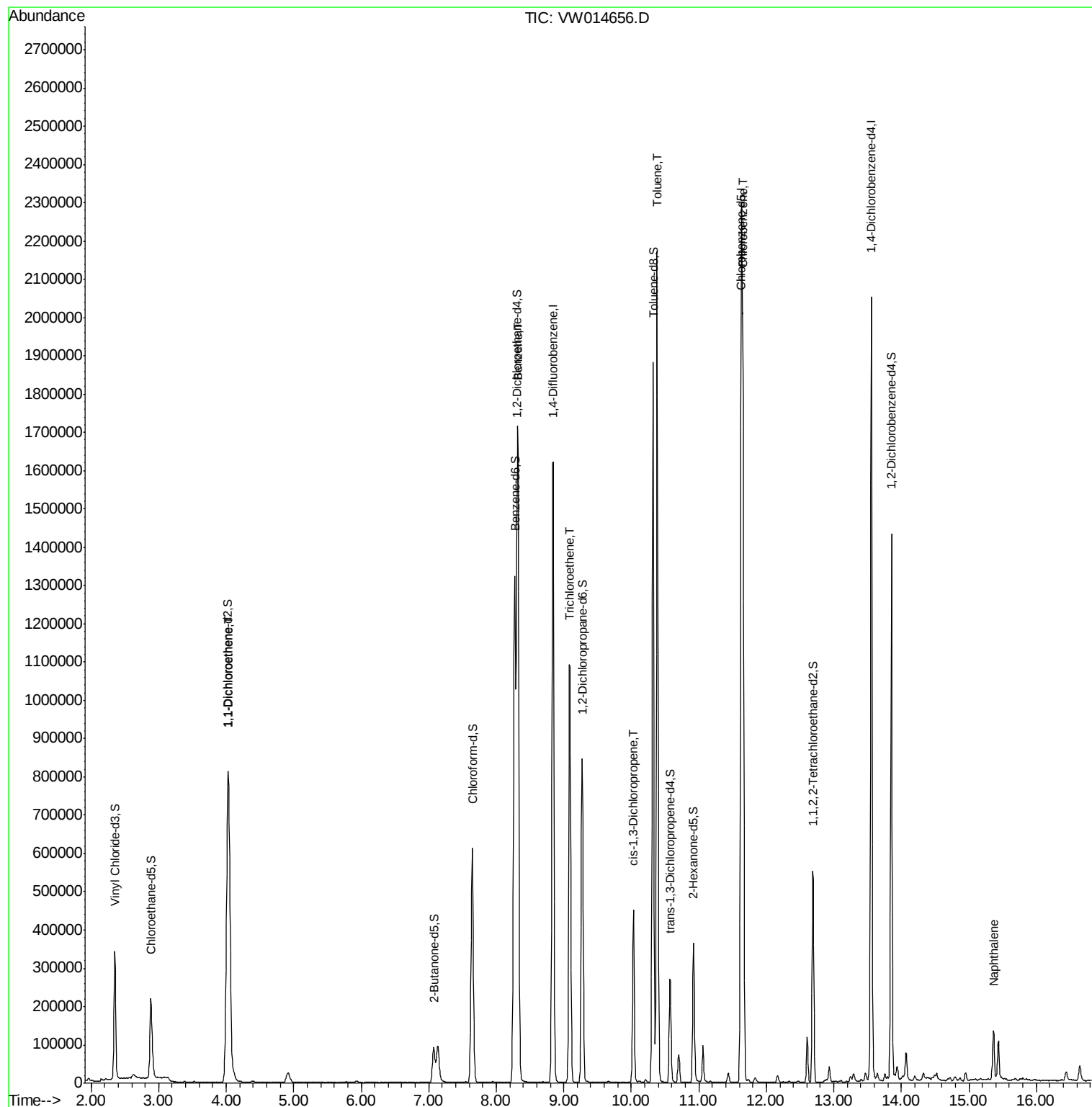
					Ovalue
12) 1,1-Dichloroethene	4.04	96	351851	18.915 ug/L	91
34) Benzene	8.32	78	1552588	20.643 ug/L	100
35) Trichloroethene	9.09	95	394912	20.345 ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	9907	0.348 ug/L #	61
44) Toluene	10.38	91	1628114	20.715 ug/L	98
52) Chlorobenzene	11.66	112	1002041	20.169 ug/L	96
69) Naphthalene	15.36	128	121757	3.516 ug/L	99

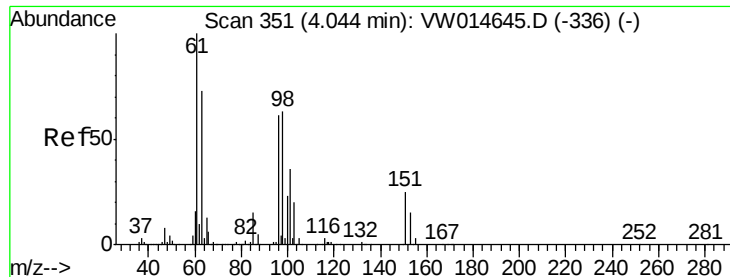
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jan 16 01:18:54 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 18.915 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

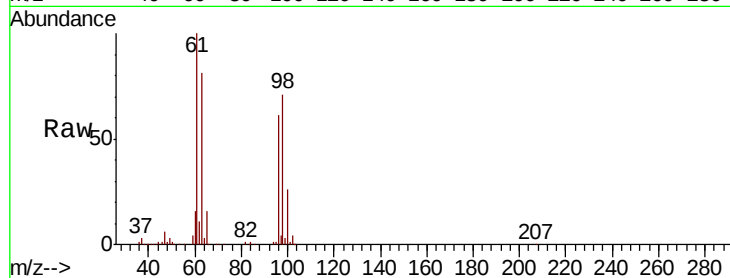
Lab File: VW014656.D

Acq: 15 Jan 2020 17:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 351851

Ion	Ratio	Lower	Upper
96	100		
61	164.2	114.2	212.0
63	133.6	78.6	146.0

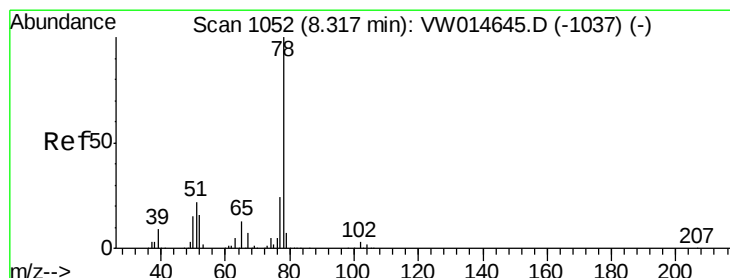
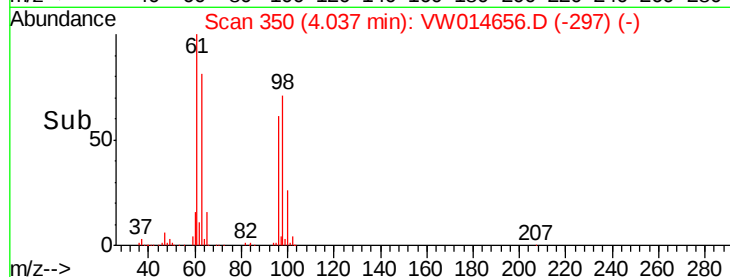
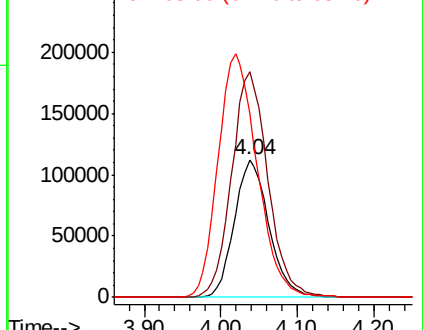


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#34

Benzene

Concen: 20.643 ug/L

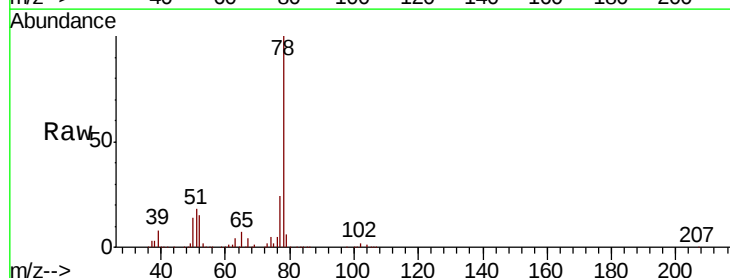
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014656.D

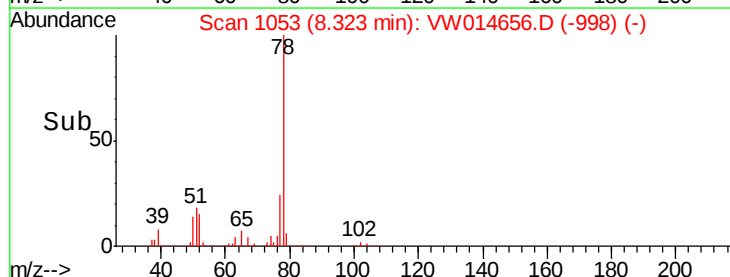
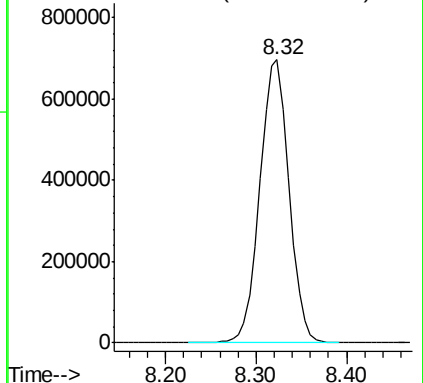
Acq: 15 Jan 2020 17:30

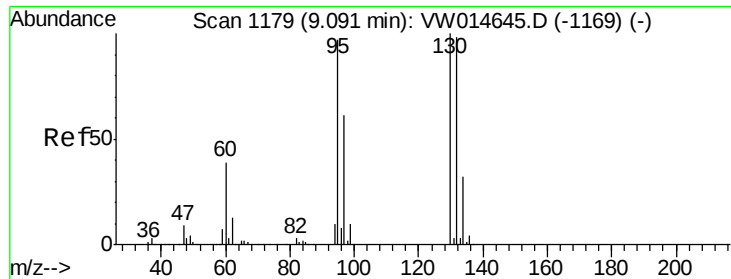
Tgt Ion: 78 Resp: 1552588



Abundance

Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 20.345 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW014656.D

Acq: 15 Jan 2020 17:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 394912

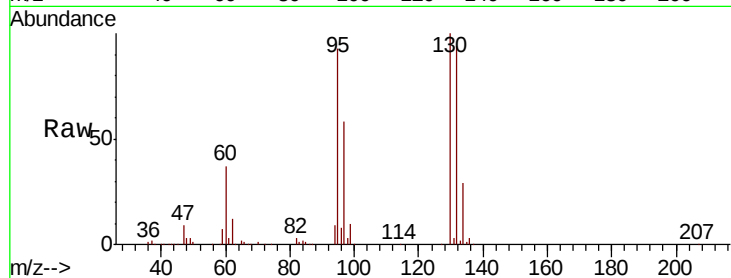
Ion Ratio Lower Upper

95 100

97 64.0 44.3 82.3

132 100.6 69.2 128.6

130 105.3 72.3 134.3

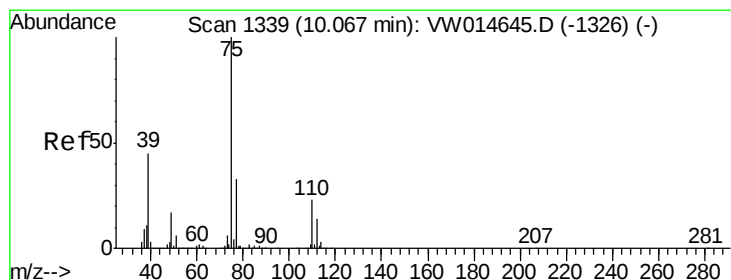
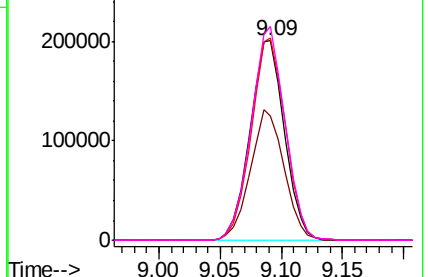
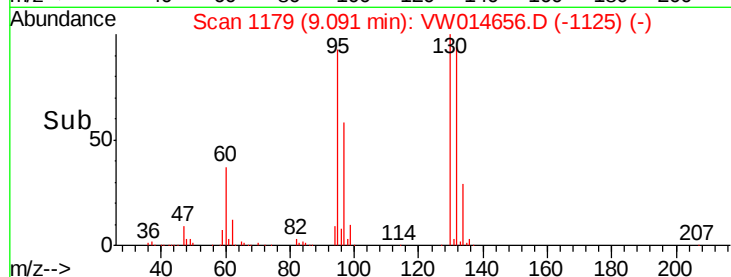


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.348 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014656.D

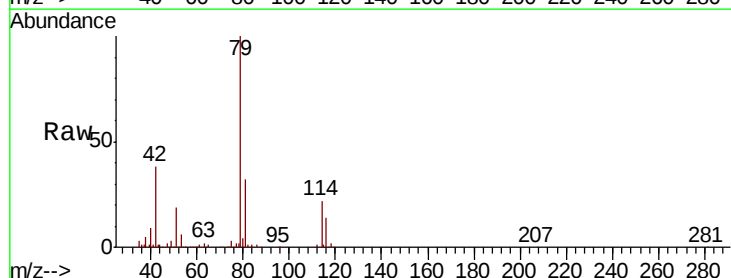
Acq: 15 Jan 2020 17:30

Tgt Ion: 75 Resp: 9907

Ion Ratio Lower Upper

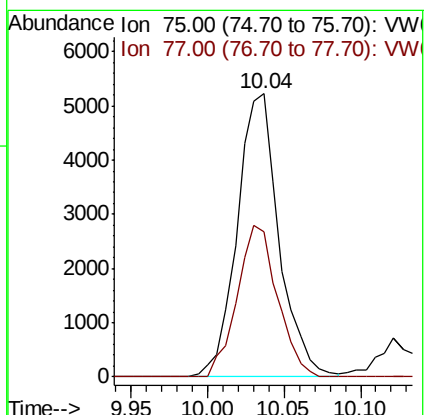
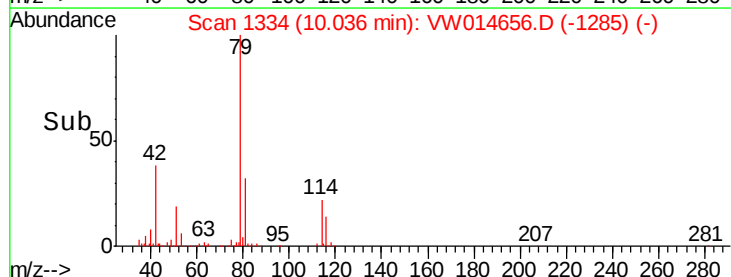
75 100

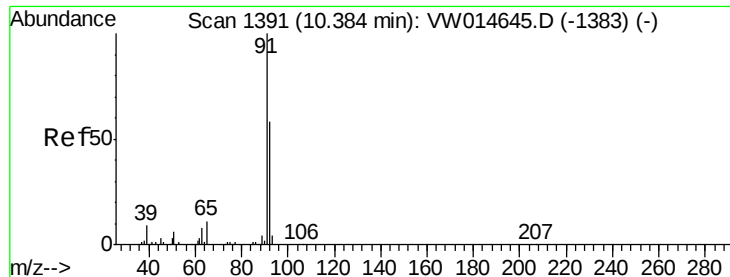
77 51.2 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 20.715 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014656.D

Acq: 15 Jan 2020 17:30

Instrument :

MSVOA_W

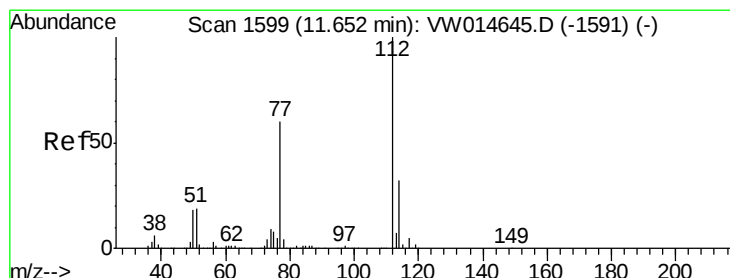
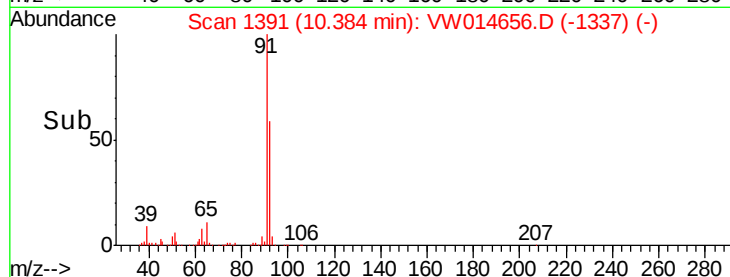
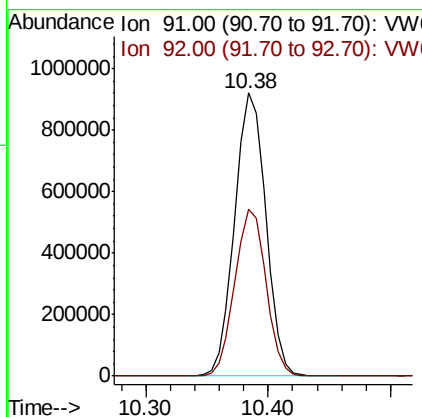
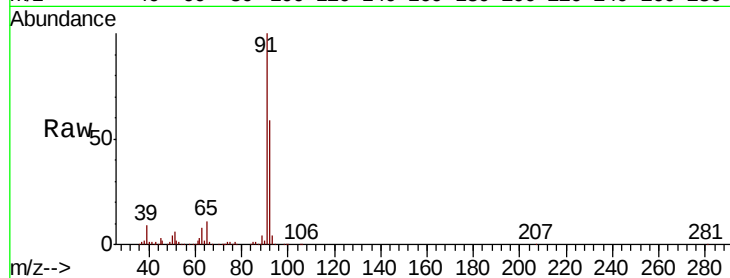
ClientSampled :

Tot Ion: 91 Resp: 1628114

Ion Ratio Lower Upper

91 100

92 59.1 40.2 74.6



#52

Chlorobenzene

Concen: 20.169 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014656.D

Acq: 15 Jan 2020 17:30

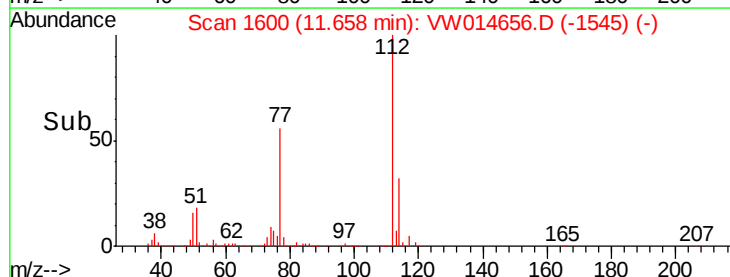
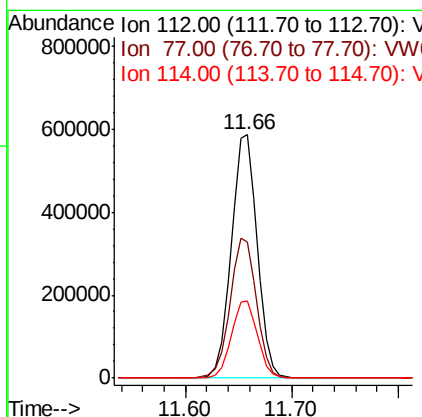
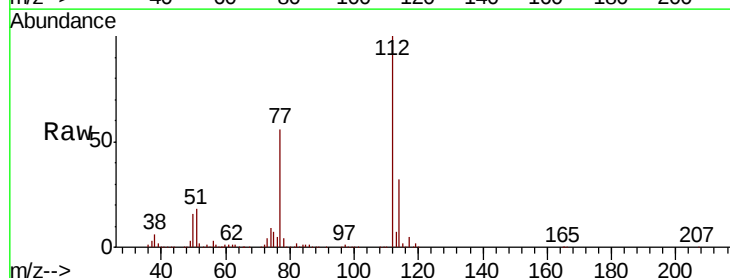
Tgt Ion: 112 Resp: 1002041

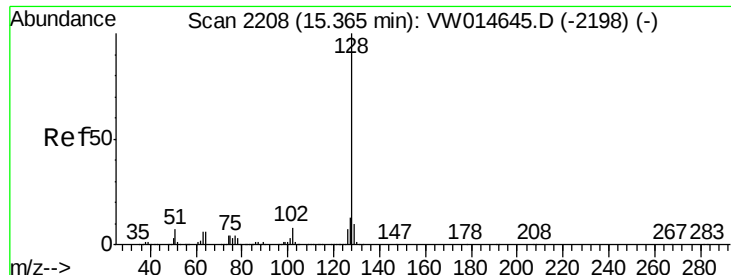
Ion Ratio Lower Upper

112 100

77 56.1 48.2 72.2

114 31.7 22.9 42.5





#69

Naphthalene

Concen: 3.516 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

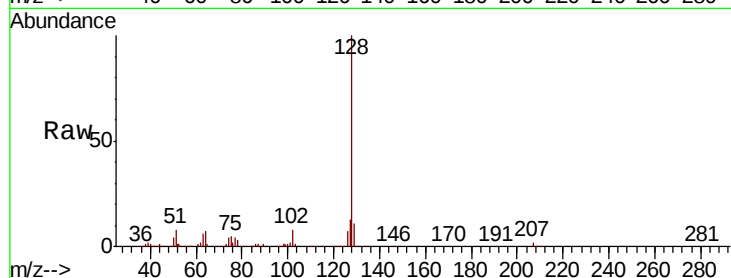
Lab File: VW014656.D

Acq: 15 Jan 2020 17:30

Instrument :

MSVOA_W

ClientSampleId :



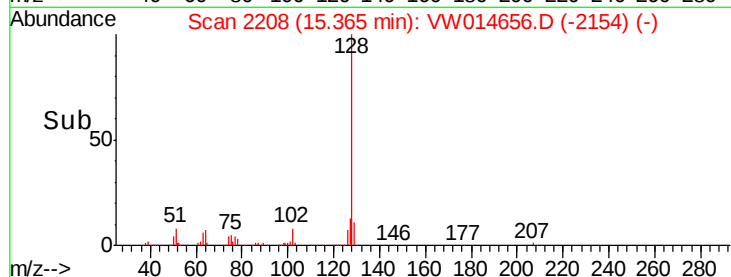
Tot Ion:128 Resp: 121757

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

