

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014641.D
 Acq On : 14 Jan 2020 18:53
 Operator : SY/VA
 Sample : L1109-02MS
 Misc : 5.06G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG2MS

Quant Time: Jan 15 02:53:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 01:48:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1054567	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	870363	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	323086	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352019	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.72%
7) Chloroethane-d5	2.89	69	270702	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.84%
10) 1,1-Dichloroethene-d2	4.01	63	644397	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.80%
20) 2-Butanone-d5	7.07	46	148712	42.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.08%
24) Chloroform-d	7.64	84	593282	24.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	8.30	65	299050	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.00%
29) Benzene-d6	8.27	84	1300807	28.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.40%
33) 1,2-Dichloropropane-d6	9.27	67	390101	28.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.12%
37) Toluene-d8	10.32	98	1135633	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.28%
38) trans-1,3-Dichloropropene-	10.57	79	141590	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.52%
39) 2-Hexanone-d5	10.92	63	113248	47.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.18%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	247021	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	283545	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

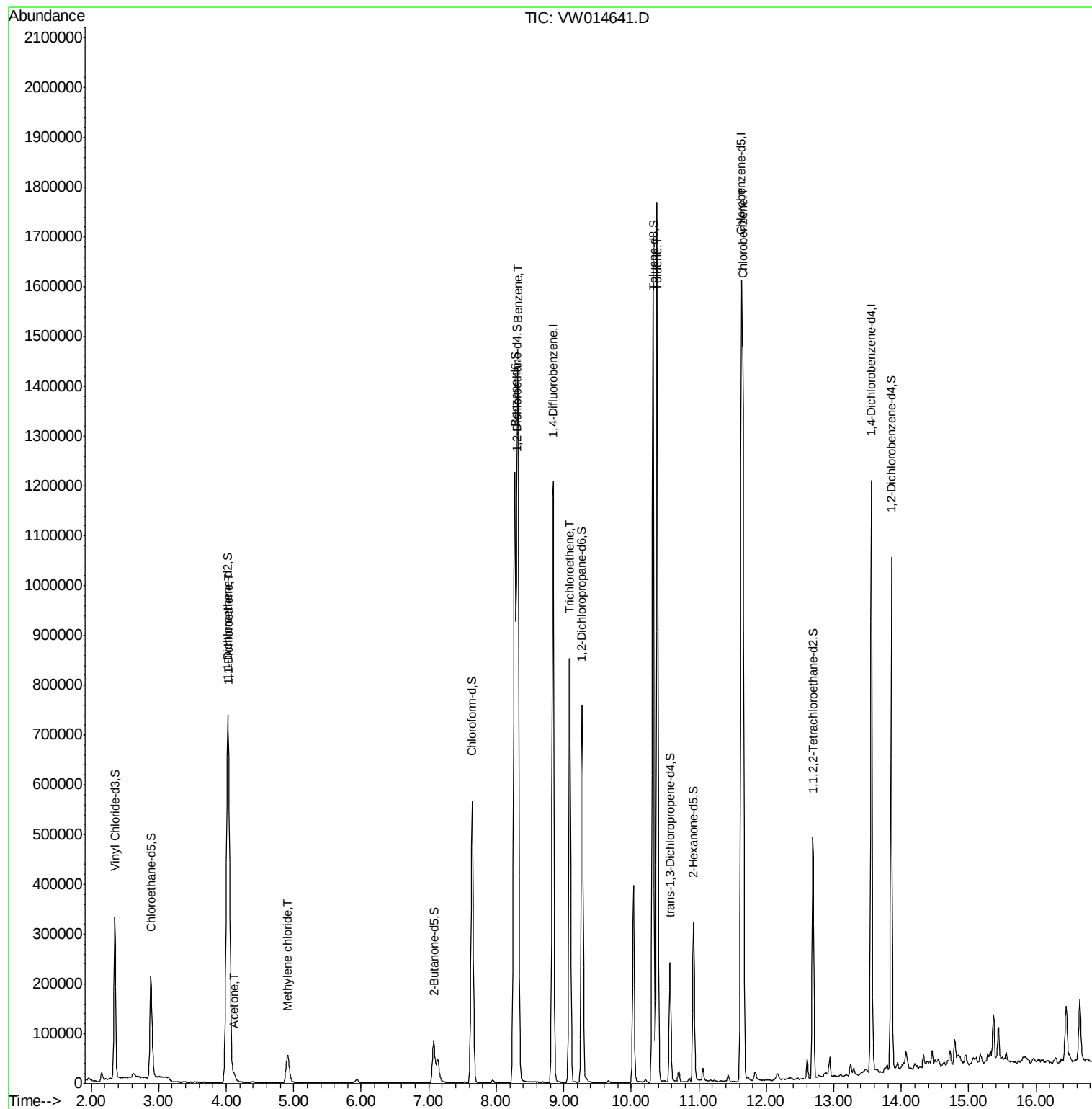
					Ovalue
12) 1,1-Dichloroethene	4.04	96	279806	20.736	ug/L 93
13) Acetone	4.12	43	20862	4.259	ug/L 99
16) Methylene chloride	4.91	84	47415	2.757	ug/L 97
34) Benzene	8.32	78	1267214	24.194	ug/L 100
35) Trichloroethene	9.09	95	313831	23.216	ug/L 100
44) Toluene	10.38	91	1296695	23.690	ug/L 98
52) Chlorobenzene	11.65	112	755762	21.842	ug/L 99

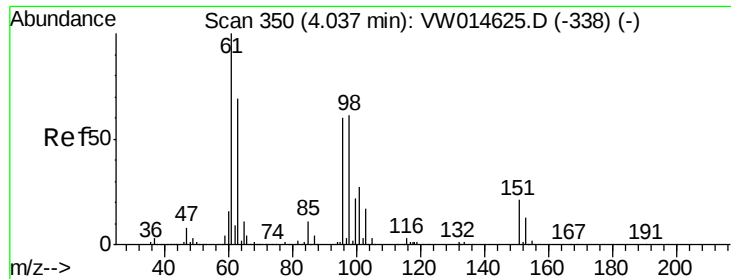
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jan 15 01:48:42 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.736 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014641.D

Acq: 14 Jan 2020 18:53

Instrument :

MSVOA_W

ClientSampled :

GASG2MS

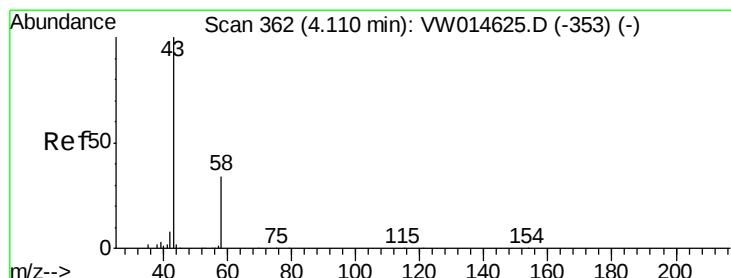
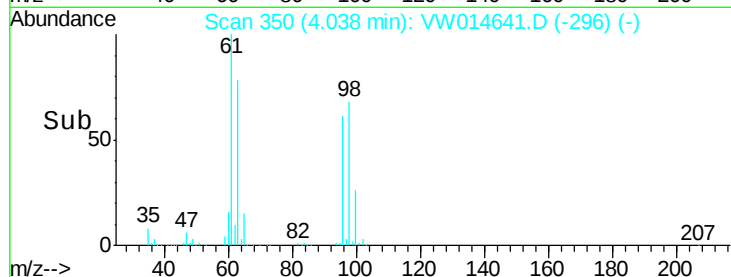
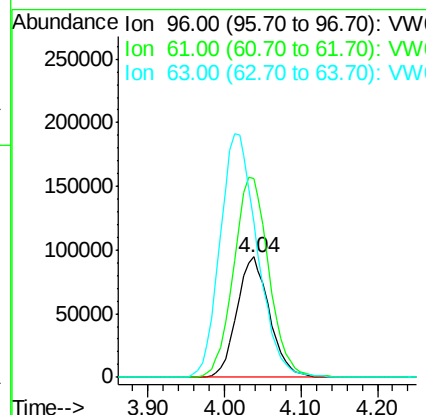
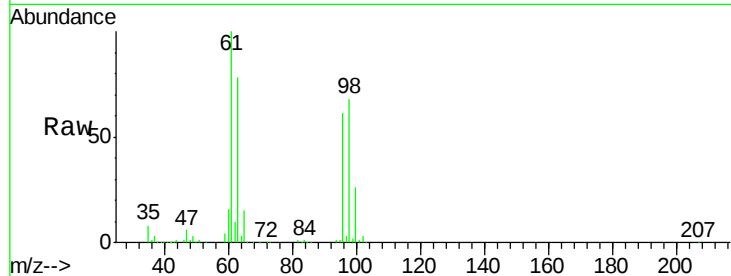
Tot Ion: 96 Resp: 279806

Ion Ratio Lower Upper

96 100

61 165.1 114.2 212.0

63 128.7 78.6 146.0



#13

Acetone

Concen: 4.259 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014641.D

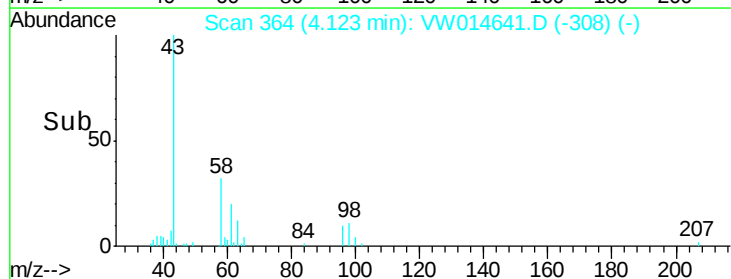
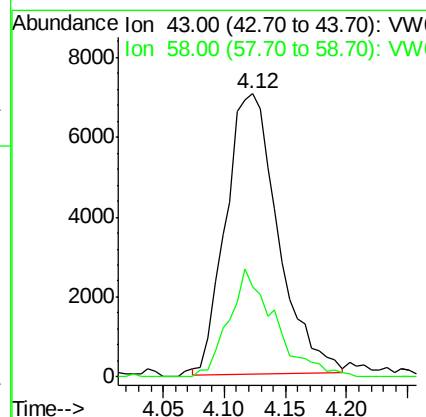
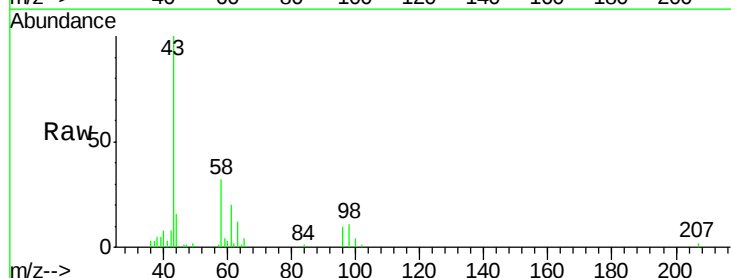
Acq: 14 Jan 2020 18:53

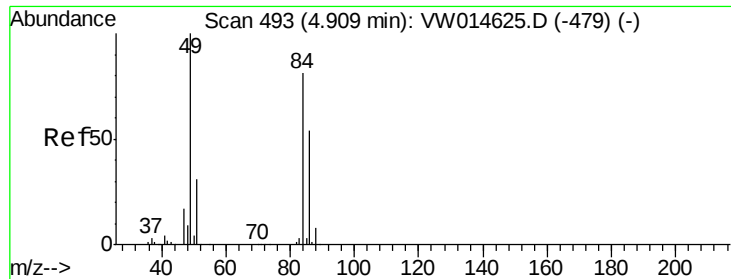
Tgt Ion: 43 Resp: 20862

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.0

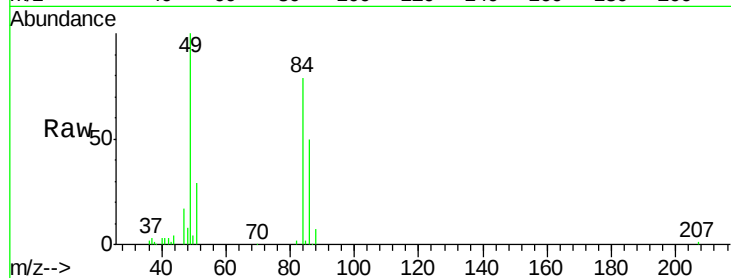




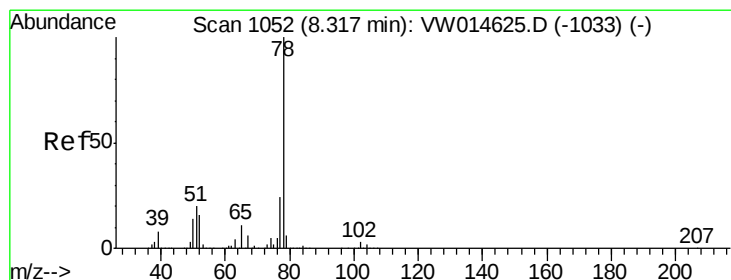
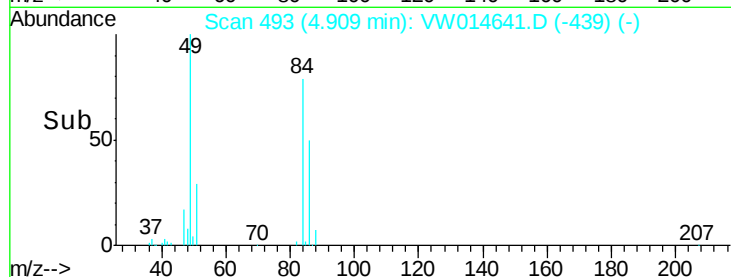
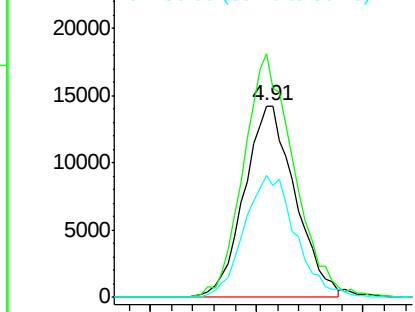
#16
Methvlene chloride
Concen: 2.757 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014641.D
Acq: 14 Jan 2020 18:53

Instrument :
MSVOA_W
ClientSampleId :
GASG2MS

Tot Ion: 84 Resp: 47415
Ion Ratio Lower Upper
84 100
49 127.1 85.8 159.4
86 63.5 44.5 82.7

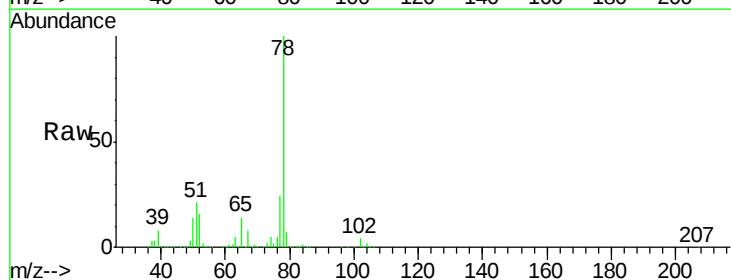


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

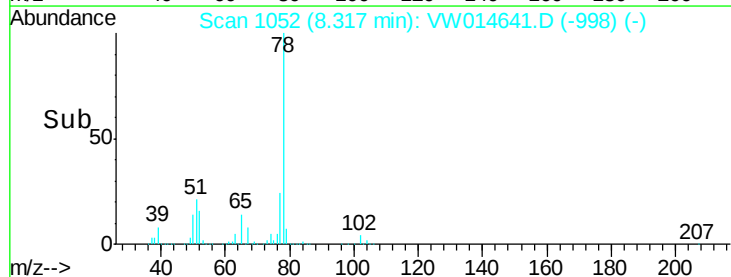
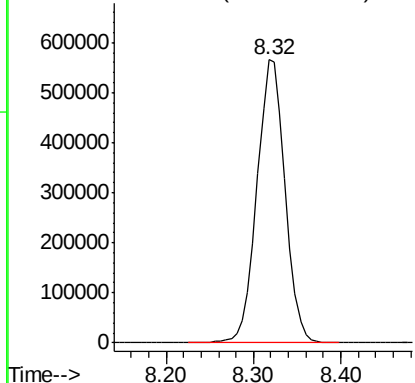


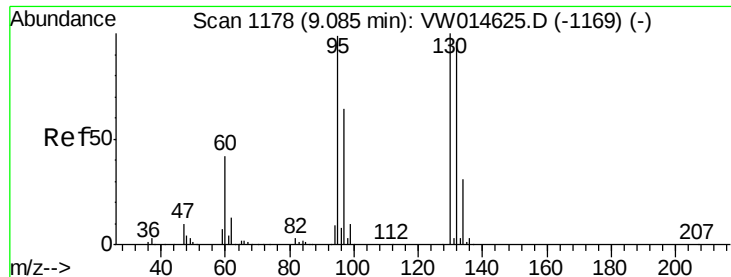
#34
Benzene
Concen: 24.194 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014641.D
Acq: 14 Jan 2020 18:53

Tgt Ion: 78 Resp: 1267214



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.216 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014641.D

Acq: 14 Jan 2020 18:53

Instrument :

MSVOA_W

ClientSampleId :

GASG2MS

Tot Ion: 95 Resp: 313831

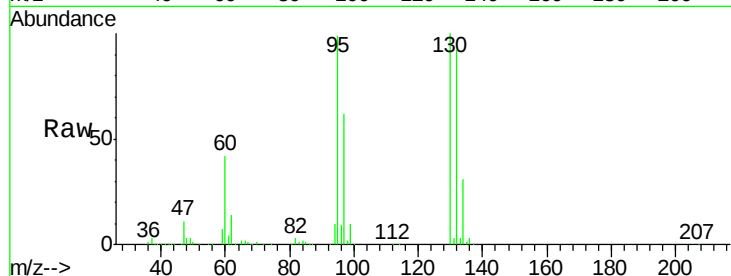
Ion Ratio Lower Upper

95 100

97 63.4 44.3 82.3

132 98.1 69.2 128.6

130 102.9 72.3 134.3

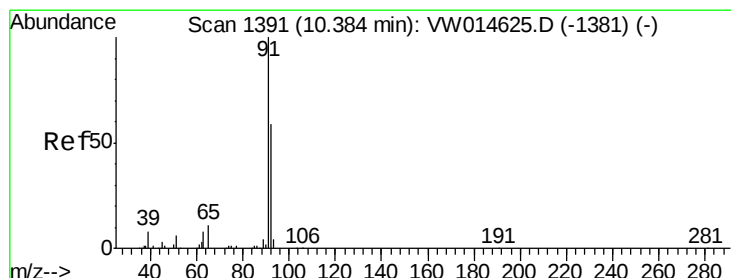
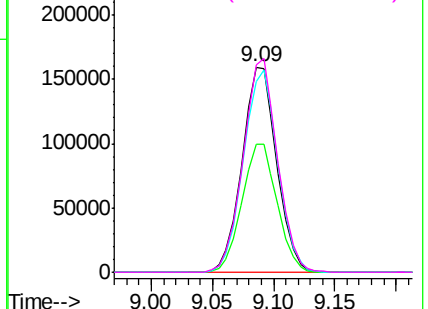
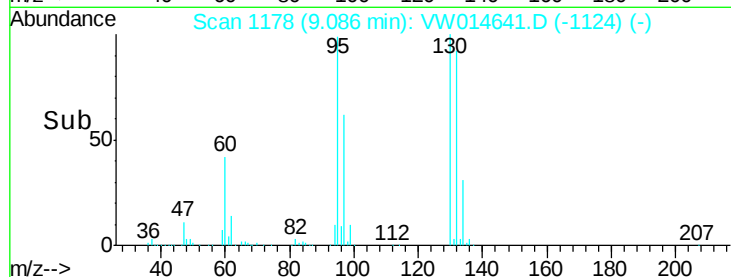


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#44

Toluene

Concen: 23.690 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014641.D

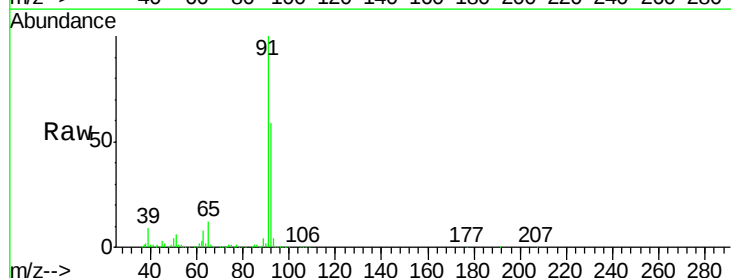
Acq: 14 Jan 2020 18:53

Tgt Ion: 91 Resp: 1296695

Ion Ratio Lower Upper

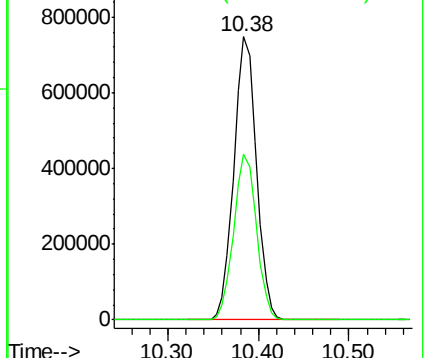
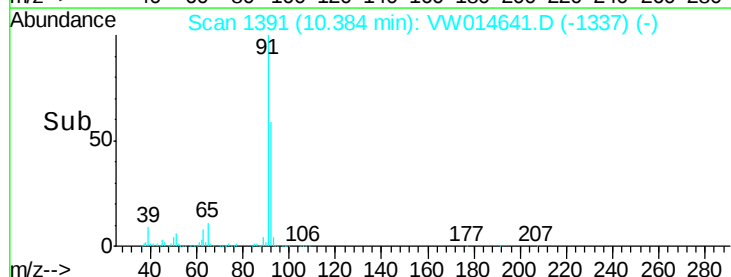
91 100

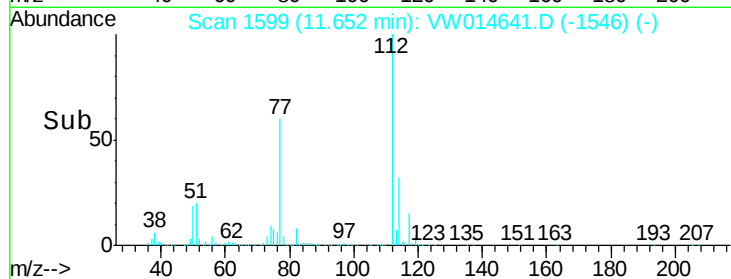
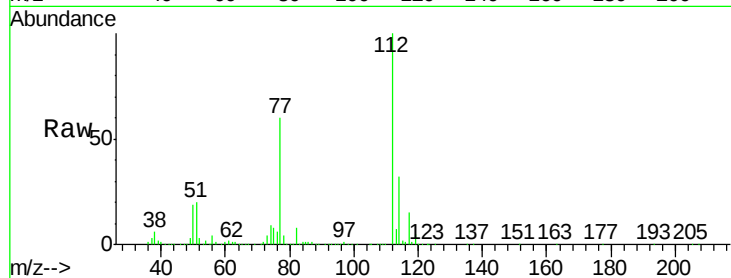
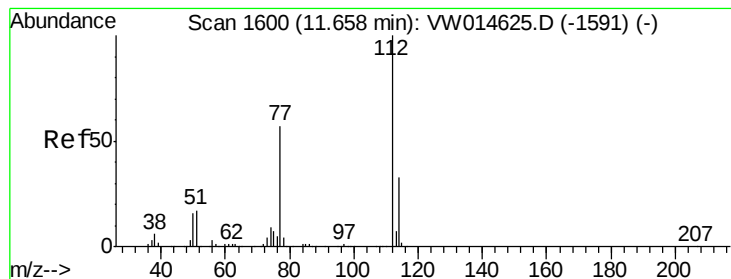
92 58.7 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 21.842 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014641.D

Acq: 14 Jan 2020 18:53

Instrument :

MSVOA_W

ClientSampleId :

GASG2MS

Tot Ion:112 Resp: 755762

Ion Ratio Lower Upper

112 100

77 59.9 48.2 72.2

114 31.7 22.9 42.5

