

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017190.D
 Acq On : 12 Nov 2020 17:19
 Operator : SY/VA
 Sample : L4727-02
 Misc : 5.31G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB7

Quant Time: Nov 13 05:31:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	435400	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	331607	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	105855	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119267	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
7) Chloroethane-d5	2.89	69	102958	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
10) 1,1-Dichloroethene-d2	4.02	63	165304	16.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.40%
20) 2-Butanone-d5	7.08	46	57022	46.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.00%
24) Chloroform-d	7.65	84	256111	25.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	8.31	65	135213	26.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.04%
29) Benzene-d6	8.27	84	483141	28.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.44%
33) 1,2-Dichloropropane-d6	9.27	67	135806	29.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.32%
37) Toluene-d8	10.33	98	418778	26.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.20%
38) trans-1,3-Dichloropropene-	10.58	79	57255	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.76%
39) 2-Hexanone-d5	10.93	63	47646	58.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102855	25.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	94738	25.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.60%

Target Compounds

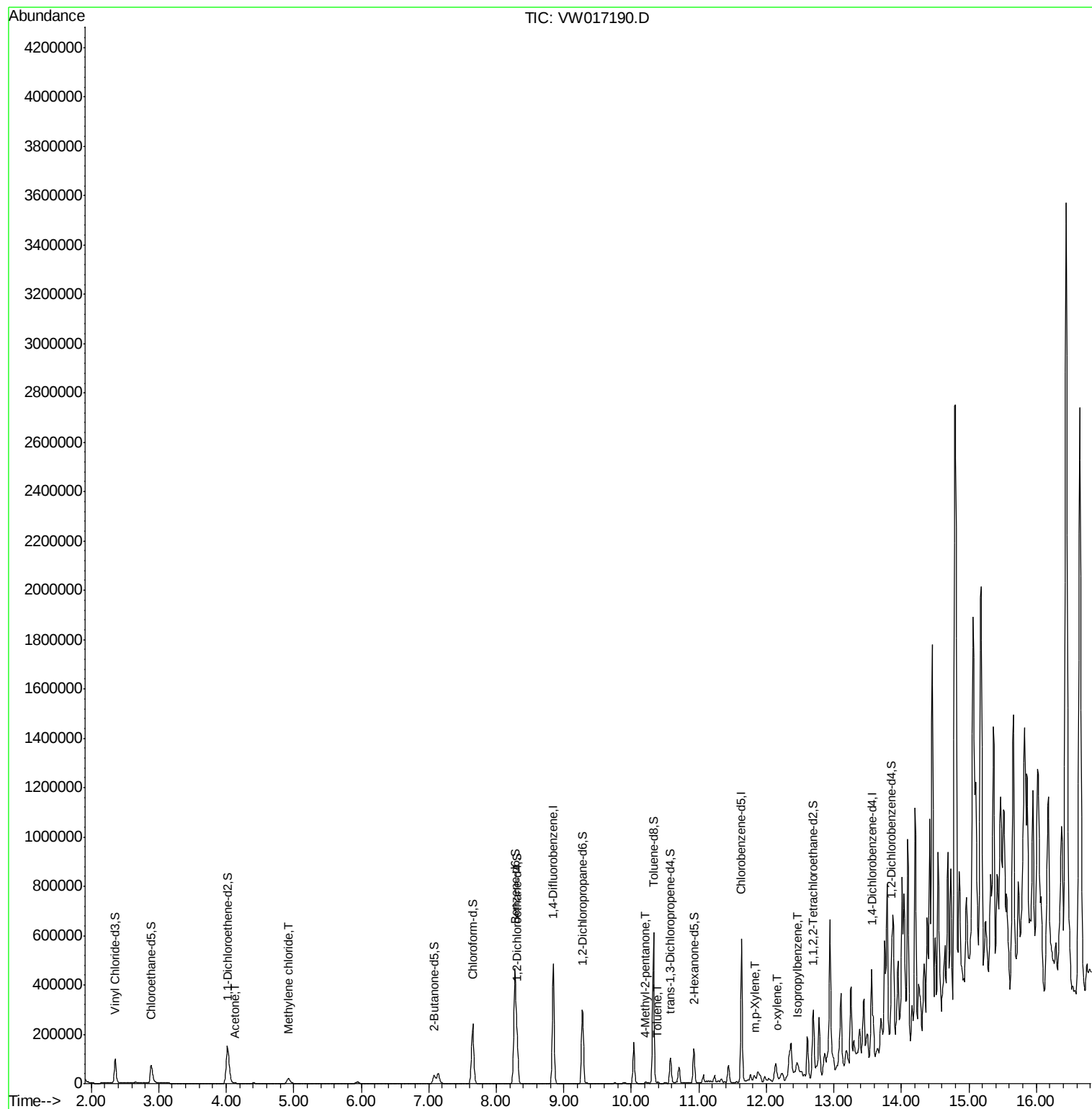
					Ovalue
13) Acetone	4.13	43	3371	4.105 ug/L	58
16) Methylene chloride	4.93	84	20106	3.425 ug/L	96
43) 4-Methyl-2-pentanone	10.22	43	3568	1.421 ug/L	98
44) Toluene	10.39	91	4919	0.257 ug/L	98
54) m,p-Xylene	11.84	106	2712	0.324 ug/L	98
55) o-xylene	12.17	106	2436	0.306 ug/L	87
57) Isopropylbenzene	12.46	105	10321	0.478 ug/L	96

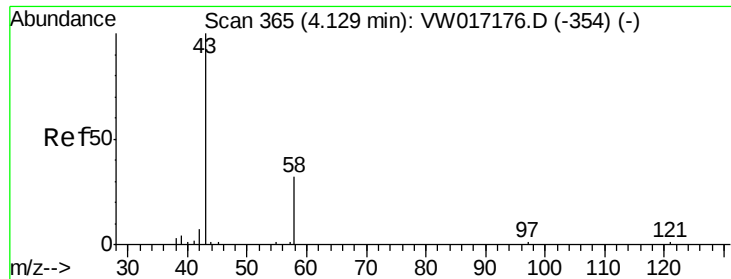
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 13 04:11:30 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.105 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampled :

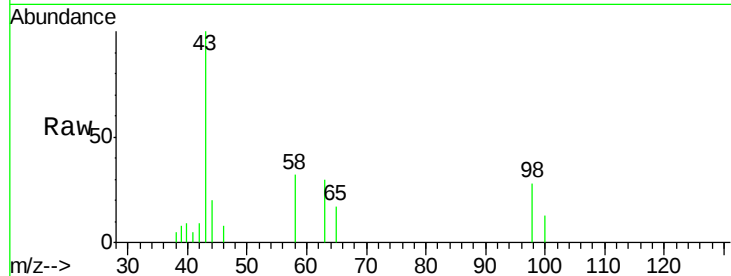
C0AB7

Tot Ion: 43 Resp: 3371

Ion Ratio Lower Upper

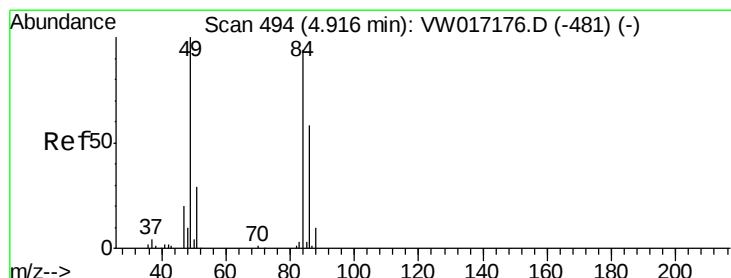
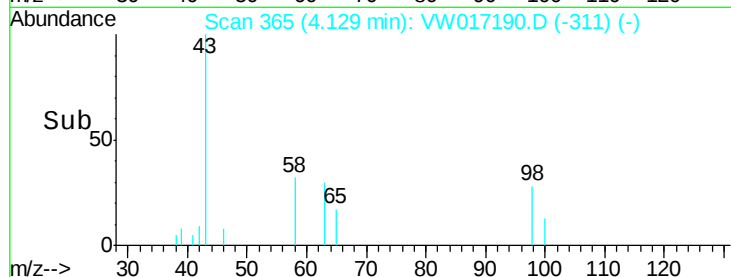
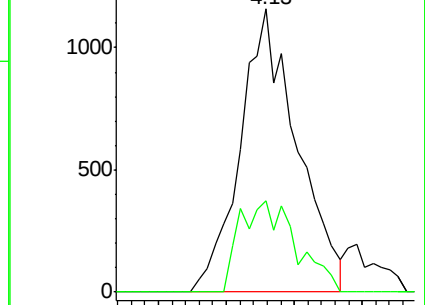
43 100

58 10.5 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 3.425 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

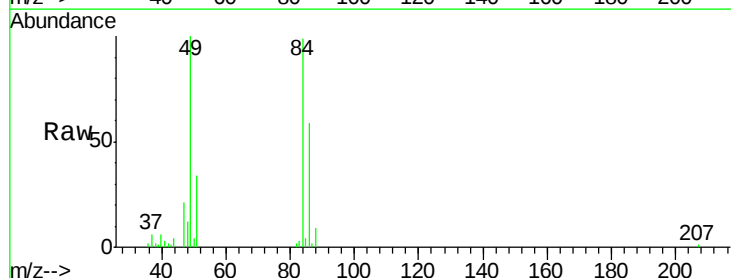
Tgt Ion: 84 Resp: 20106

Ion Ratio Lower Upper

84 100

49 100.7 72.3 134.3

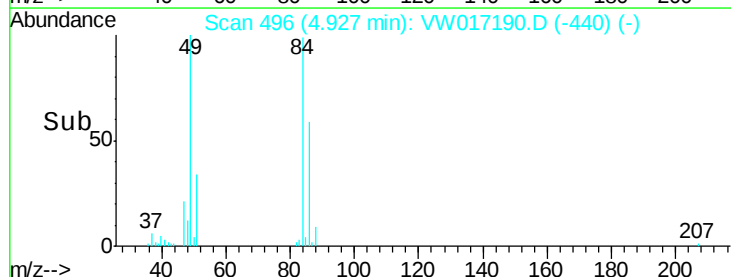
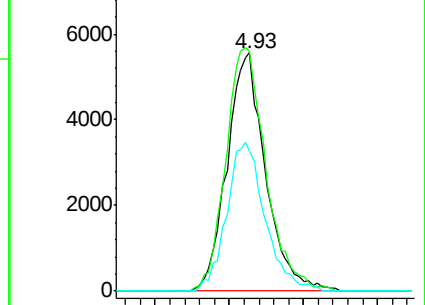
86 58.9 45.1 83.7

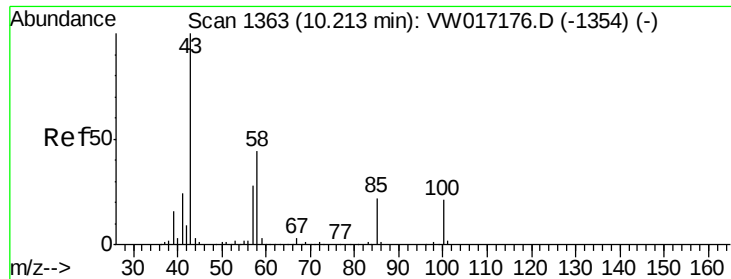


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

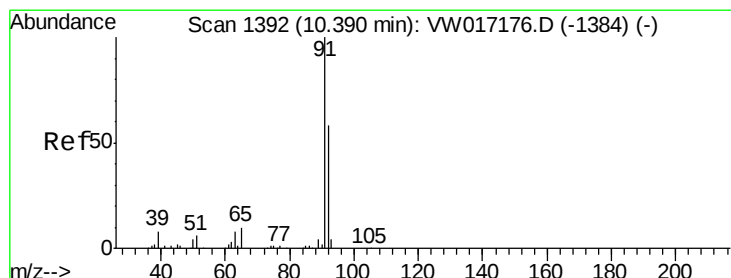
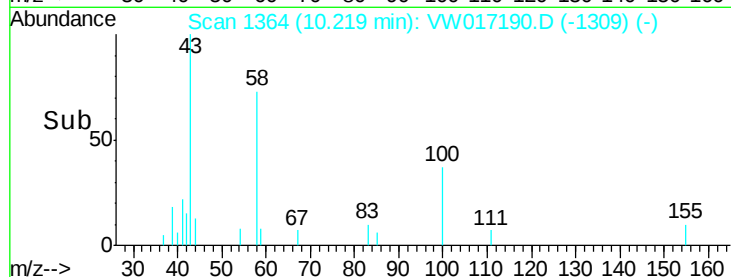
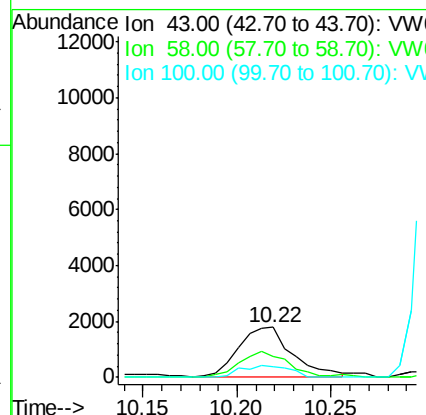
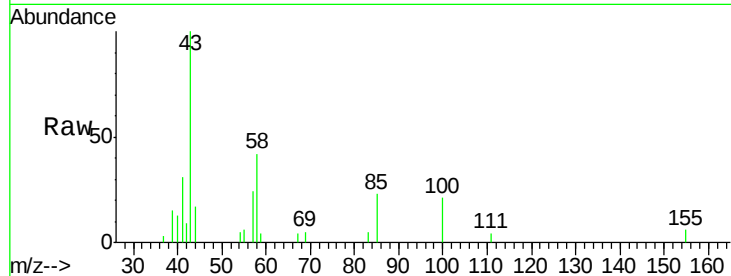




#43
4-Methyl-2-pentanone
Concen: 1.421 ug/L
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW017190.D
Acq: 12 Nov 2020 17:19

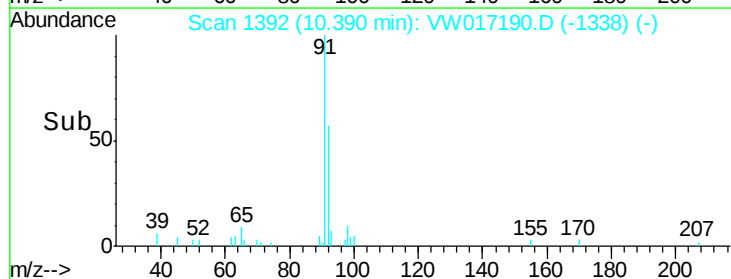
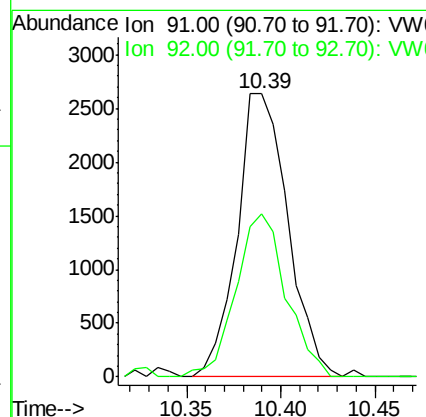
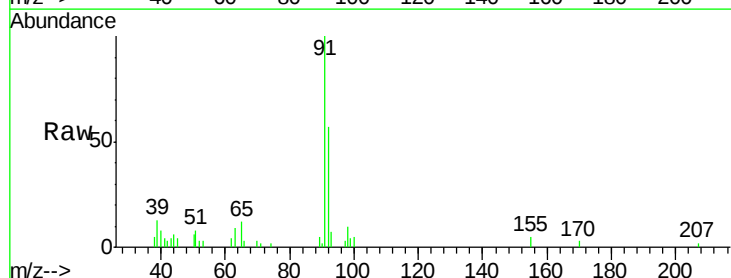
Instrument :
MSVOA_W
ClientSampled :
C0AB7

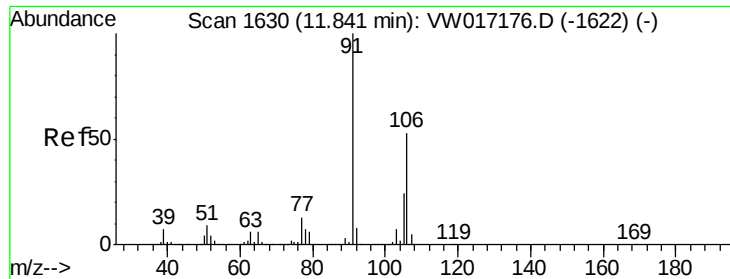
Tot Ion: 43 Resp: 3568
Ion Ratio Lower Upper
43 100
58 45.5 35.0 52.6
100 20.9 16.6 24.8



#44
Toluene
Concen: 0.257 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017190.D
Acq: 12 Nov 2020 17:19

Tgt Ion: 91 Resp: 4919
Ion Ratio Lower Upper
91 100
92 57.4 41.4 76.8





#54

m,p-Xylene

Concen: 0.324 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

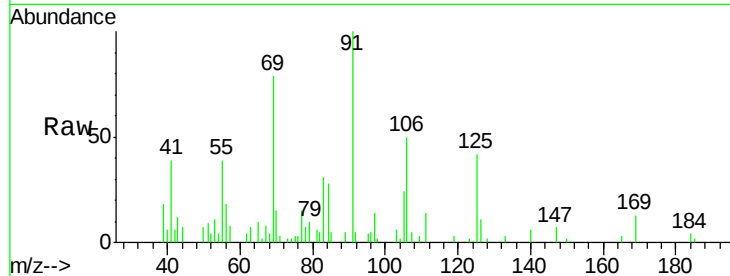
C0AB7

Tot Ion:106 Resp: 2712

Ion Ratio Lower Upper

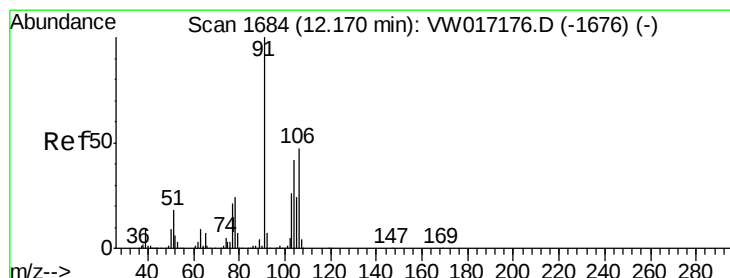
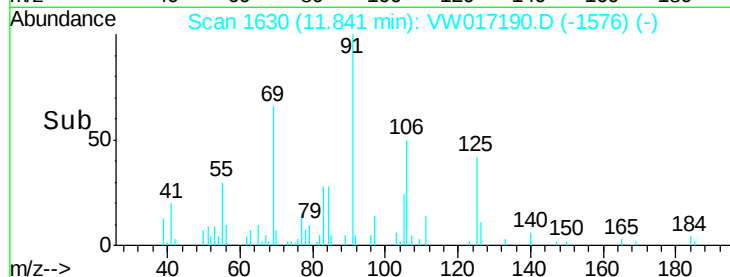
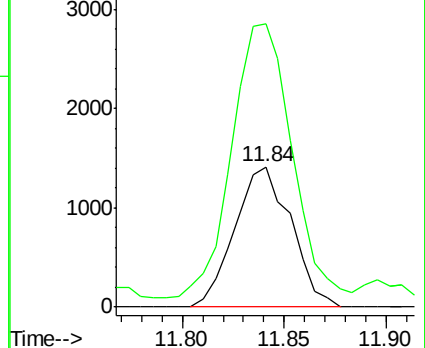
106 100

91 201.8 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.306 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017190.D

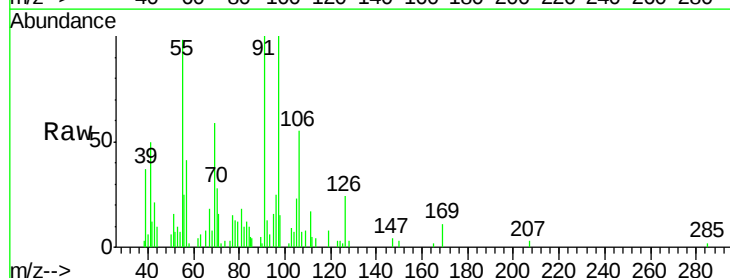
Acq: 12 Nov 2020 17:19

Tgt Ion:106 Resp: 2436

Ion Ratio Lower Upper

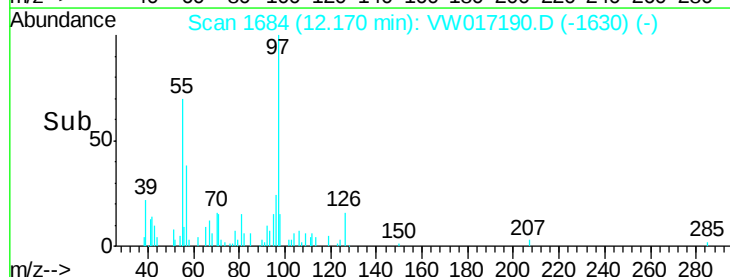
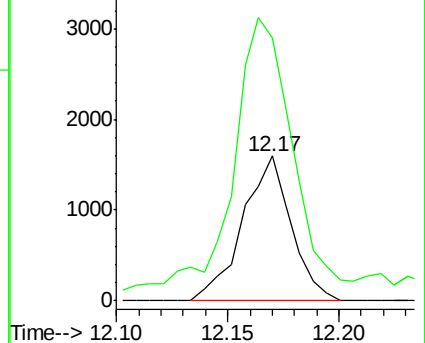
106 100

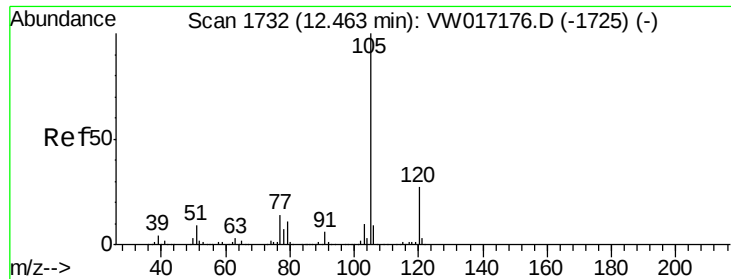
91 181.5 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 0.478 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017190.D

Acq: 12 Nov 2020 17:19

Instrument :

MSVOA_W

ClientSampleId :

C0AB7

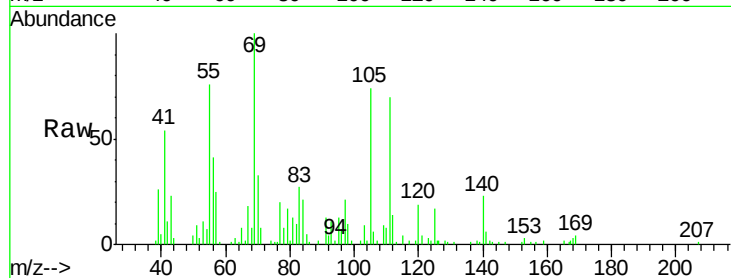
Tot Ion:105 Resp: 10321

Ion Ratio Lower Upper

105 100

120 24.7 21.8 32.6

77 13.4 11.4 17.0



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): V

