

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121719\
 Data File : VW014391.D
 Acq On : 17 Dec 2019 14:37
 Operator : SY/VA
 Sample : K6270-11
 Misc : 4.86G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETK87

Quant Time: Dec 18 02:47:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 18 01:35:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1212613	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1097146	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	482490	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352130	19.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.72%
7) Chloroethane-d5	2.89	69	292262	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.64%
10) 1,1-Dichloroethene-d2	4.01	63	513830	15.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.36%
20) 2-Butanone-d5	7.07	46	263712	55.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.22%
24) Chloroform-d	7.65	84	741665	24.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	8.31	65	425241	26.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.08%
29) Benzene-d6	8.27	84	1533651	23.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.40%
33) 1,2-Dichloropropane-d6	9.27	67	493675	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.80%
37) Toluene-d8	10.32	98	1351552	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.00%
38) trans-1,3-Dichloropropene-	10.57	79	196863	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.88%
39) 2-Hexanone-d5	10.92	63	223480	56.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.62%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	419241	26.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	463622	25.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.60%

Target Compounds

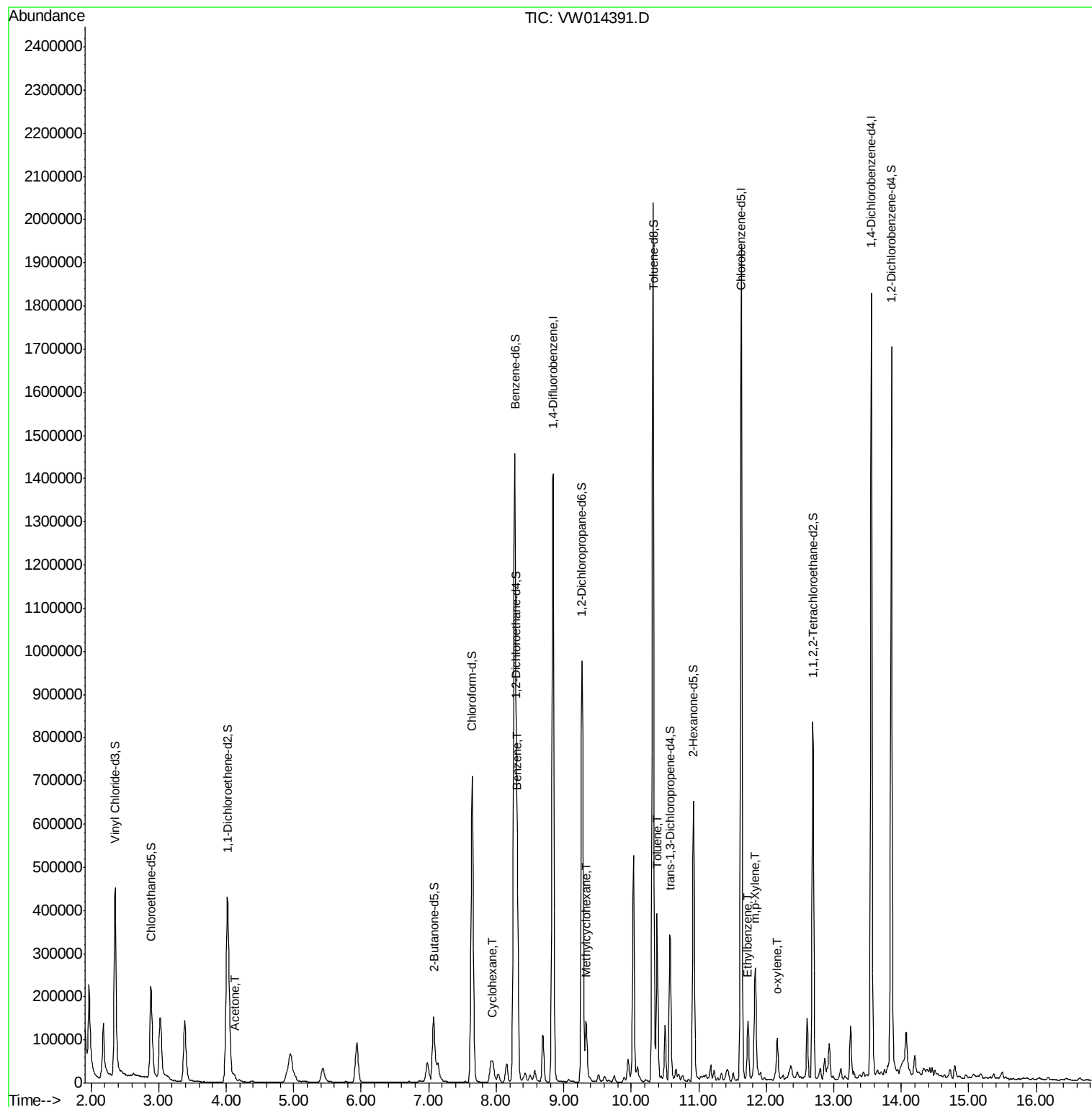
					Ovalue
13) Acetone	4.13	43	20093	4.355 ug/L	98
30) Cyclohexane	7.95	56	30237	1.104 ug/L #	82
34) Benzene	8.32	78	109721	1.579 ug/L	100
36) Methylcyclohexane	9.34	83	48081	1.610 ug/L #	85
44) Toluene	10.38	91	281545	3.866 ug/L	99
53) Ethylbenzene	11.73	91	94255	1.193 ug/L	98
54) m,p-Xylene	11.84	106	60721	1.997 ug/L	98
55) o-xylene	12.16	106	25126	0.871 ug/L	93

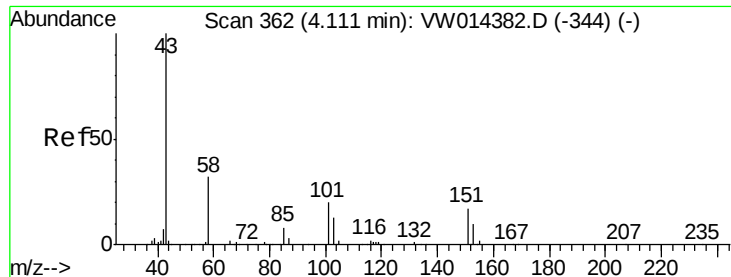
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.355 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.02 min

Lab File: VW014391.D

Acq: 17 Dec 2019 14:37

Instrument :

MSVOA_W

ClientSampleId :

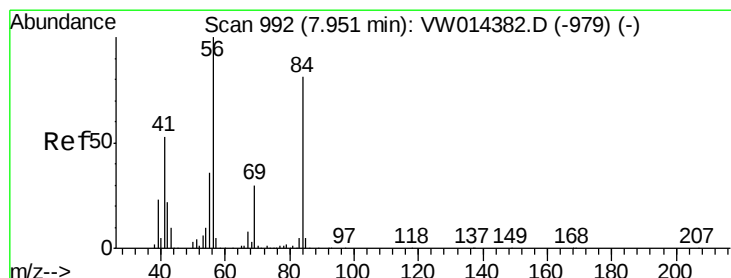
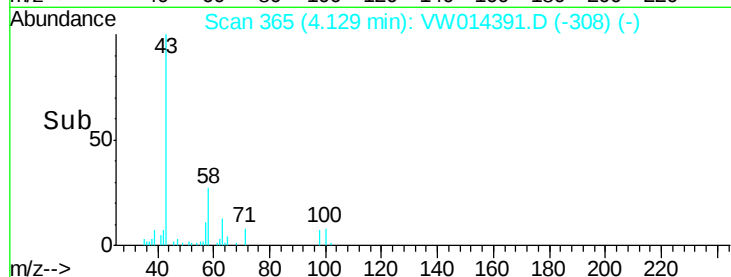
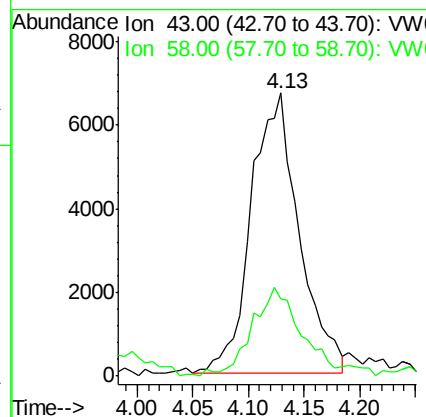
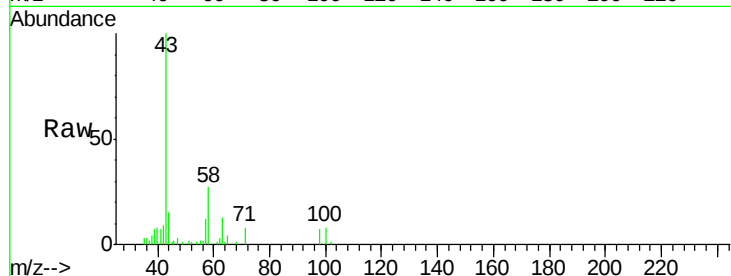
ETK87

Tot Ion: 43 Resp: 20093

Ion Ratio Lower Upper

43 100

58 31.6 0.0 65.4



#30

Cyclohexane

Concen: 1.104 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014391.D

Acq: 17 Dec 2019 14:37

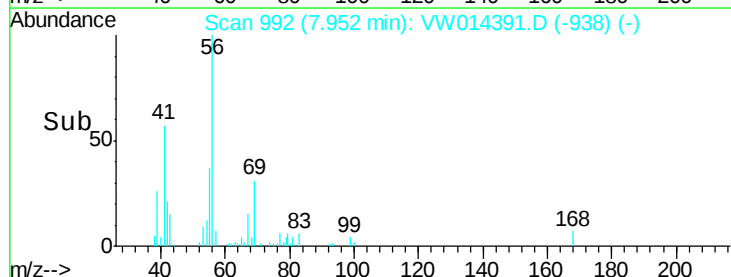
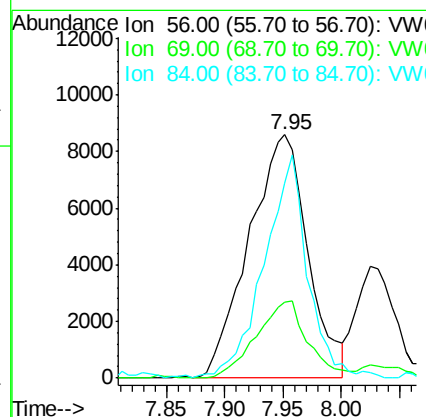
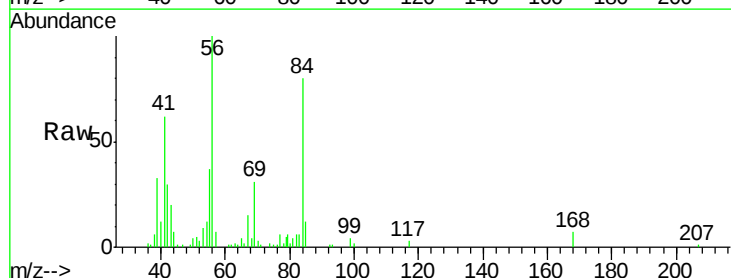
Tgt Ion: 56 Resp: 30237

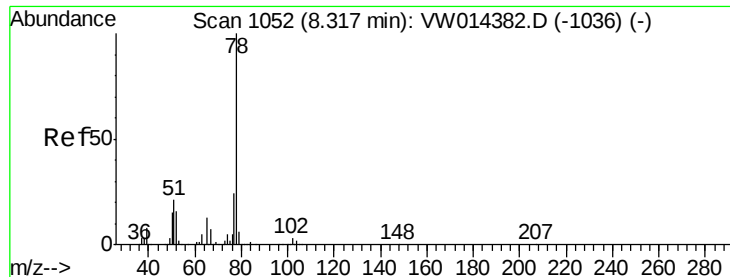
Ion Ratio Lower Upper

56 100

69 28.1 24.6 37.0

84 67.0 70.2 105.2#





#34

Benzene

Concen: 1.579 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014391.D

Acq: 17 Dec 2019 14:37

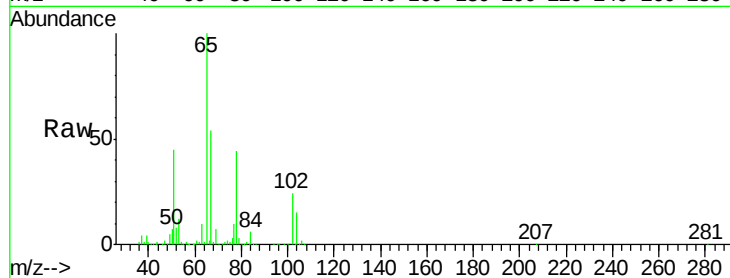
Instrument :

MSVOA_W

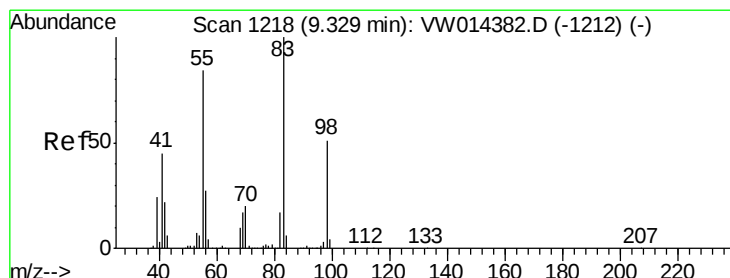
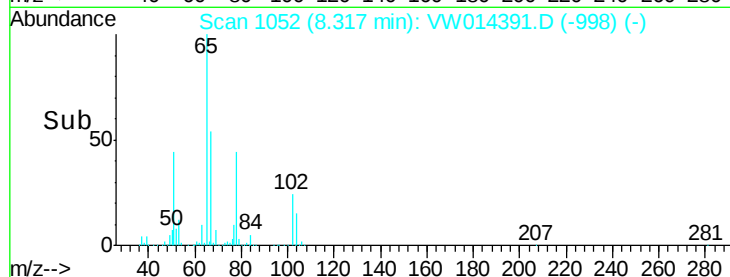
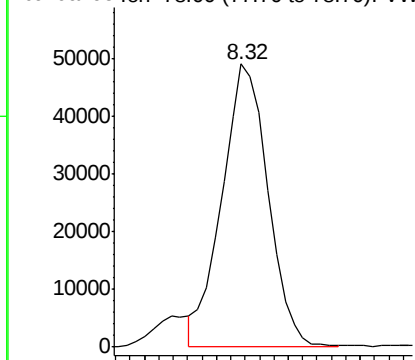
ClientSampleId :

ETK87

Tgt Ion: 78 Resp: 109721



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 1.610 ug/L

RT: 9.34 min Scan# 1219

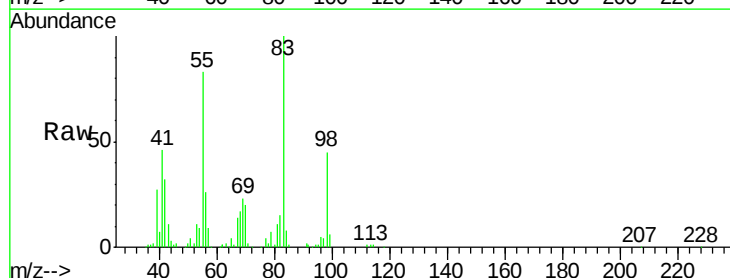
Delta R.T. 0.01 min

Lab File: VW014391.D

Acq: 17 Dec 2019 14:37

Tgt Ion: 83 Resp: 48081

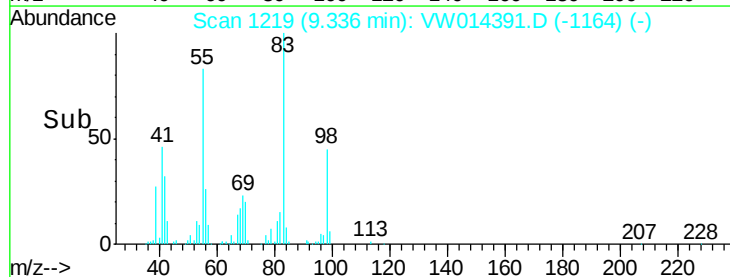
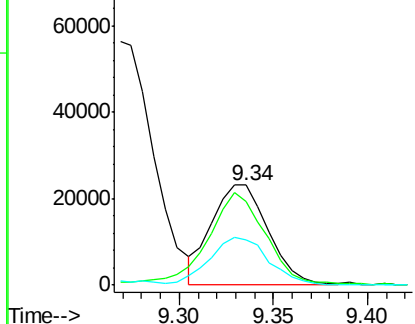
Ion	Ratio	Lower	Upper
83	100		
55	95.6	59.8	89.8#
98	49.7	39.5	59.3

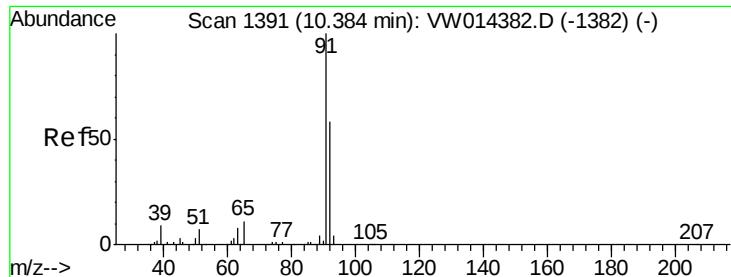


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#44

Toluene

Concen: 3.866 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014391.D

Acq: 17 Dec 2019 14:37

Instrument :

MSVOA_W

ClientSampleId :

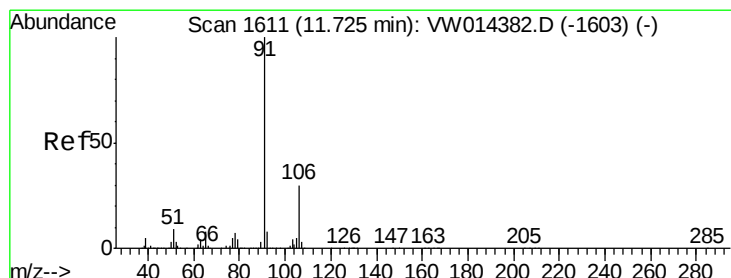
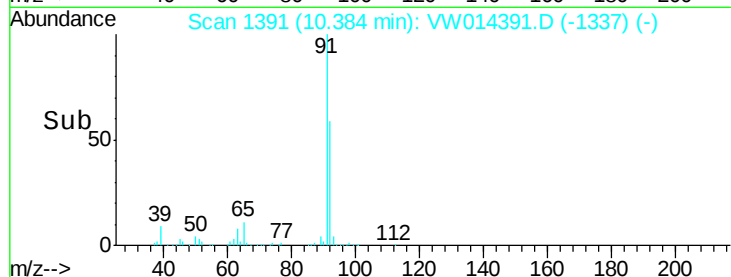
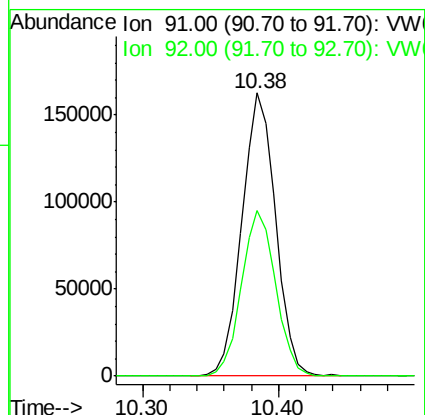
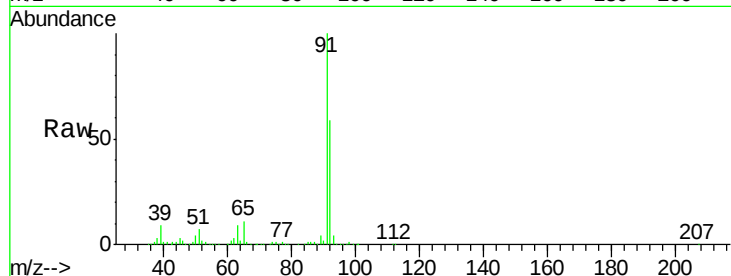
ETK87

Tot Ion: 91 Resp: 281545

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



#53

Ethylbenzene

Concen: 1.193 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014391.D

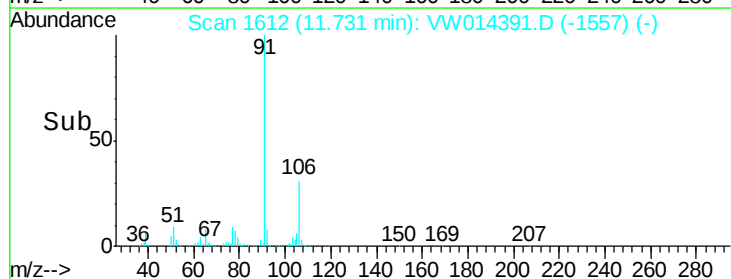
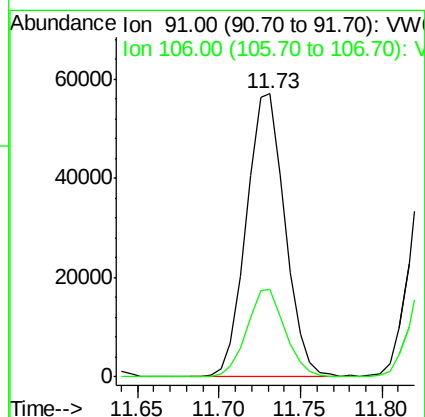
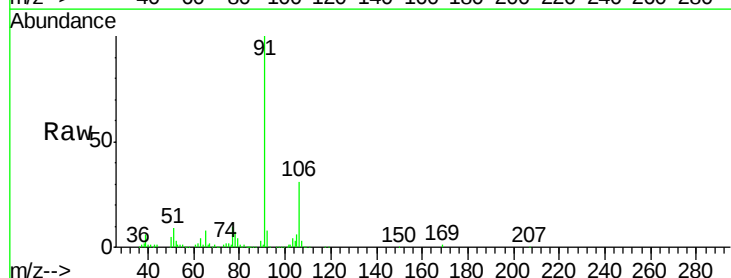
Acq: 17 Dec 2019 14:37

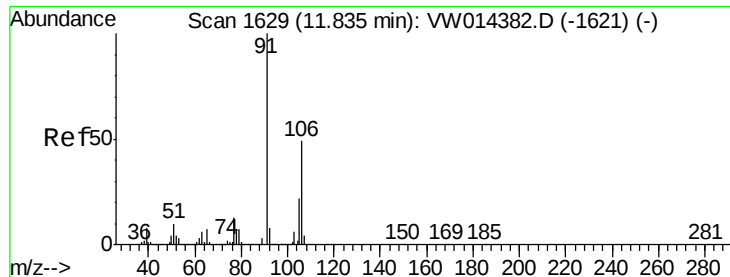
Tgt Ion: 91 Resp: 94255

Ion Ratio Lower Upper

91 100

106 30.7 22.3 41.5





#54

m,p-Xylene

Concen: 1.997 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014391.D

Acq: 17 Dec 2019 14:37

Instrument :

MSVOA_W

ClientSampleId :

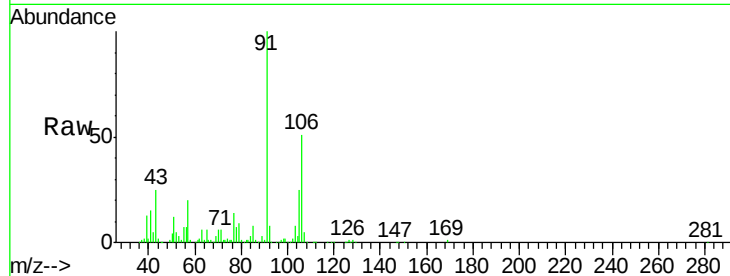
ETK87

Tot Ion:106 Resp: 60721

Ion Ratio Lower Upper

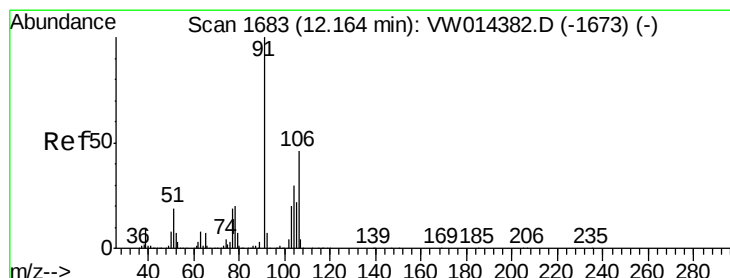
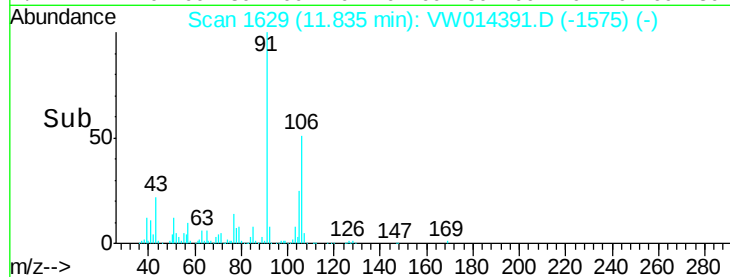
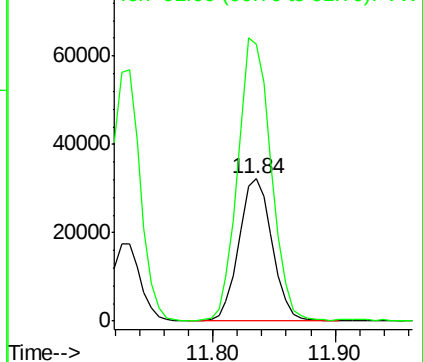
106 100

91 195.1 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.871 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014391.D

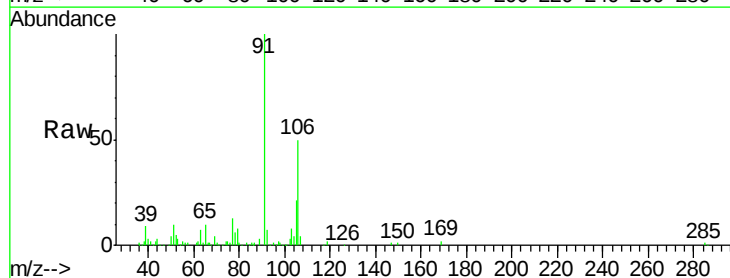
Acq: 17 Dec 2019 14:37

Tgt Ion:106 Resp: 25126

Ion Ratio Lower Upper

106 100

91 200.4 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

