

Data File : VW014388.D
Acq On : 17 Dec 2019 13:18
Operator : SY/VA
Sample : K6270-14MSD
Misc : 5.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETK88MSD

Quant Time: Dec 18 01:40:38 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	1265934	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1128701	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	512911	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	296907	15.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.96%
7) Chloroethane-d5	2.89	69	249438	17.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.00%
10) 1,1-Dichloroethene-d2	4.03	63	626903	18.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.04%
20) 2-Butanone-d5	7.07	46	184613	36.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.92%
24) Chloroform-d	7.65	84	631099	19.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.32%
26) 1,2-Dichloroethane-d4	8.30	65	337573	19.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.92%
29) Benzene-d6	8.27	84	1282182	19.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.52%
33) 1,2-Dichloropropane-d6	9.27	67	415966	20.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.76%
37) Toluene-d8	10.32	98	1133106	18.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.76%
38) trans-1,3-Dichloropropene-	10.57	79	156405	18.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.28%
39) 2-Hexanone-d5	10.92	63	154194	38.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	318051	19.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	383368	19.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.24%

Target Compounds

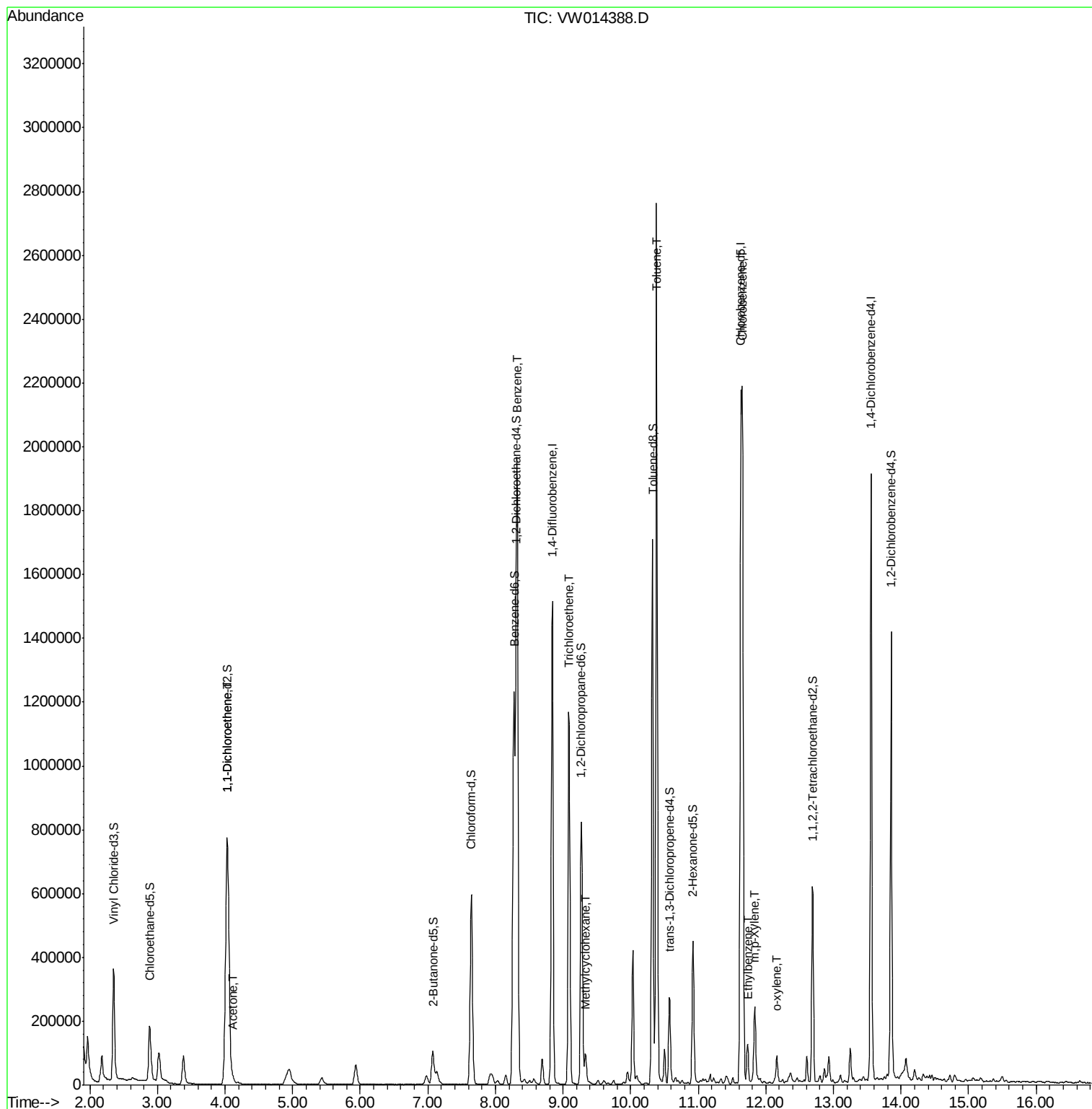
						Qvalue
12) 1,1-Dichloroethene	4.04	96	349492	20.674	ug/L	91
13) Acetone	4.12	43	19635	4.077	ug/L	69
34) Benzene	8.32	78	1763059	24.670	ug/L	100
35) Trichloroethene	9.09	95	414649	22.676	ug/L	95
36) Methylcyclohexane	9.33	83	31566	1.027	ug/L #	83
44) Toluene	10.38	91	2005610	26.768	ug/L	99
52) Chlorobenzene	11.65	112	1088157	22.471	ug/L	93
53) Ethylbenzene	11.73	91	84246	1.036	ug/L	100
54) m,p-Xylene	11.83	106	50566	1.617	ug/L	87
55) o-xylene	12.16	106	20474	0.690	ug/L	90

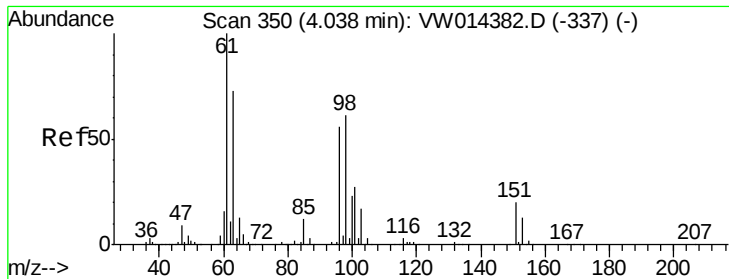
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.674 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014388.D

Acq: 17 Dec 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

ETK88MSD

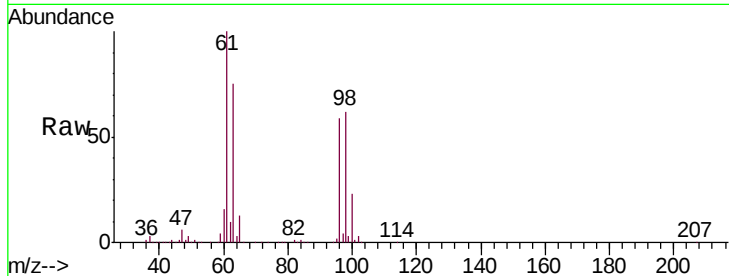
Tgt Ion: 96 Resp: 349492

Ion Ratio Lower Upper

96 100

61 168.6 109.8 204.0

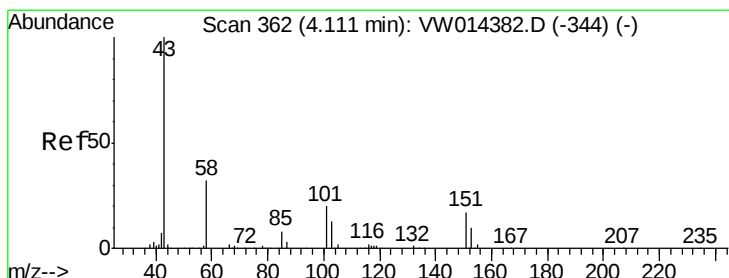
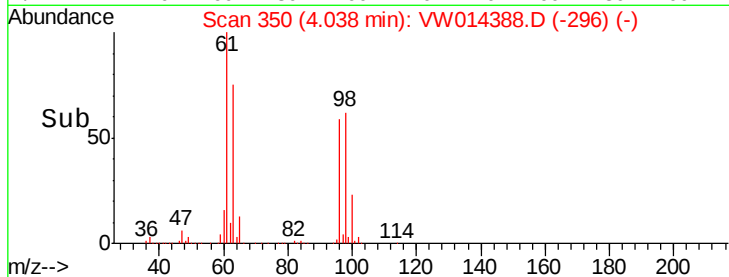
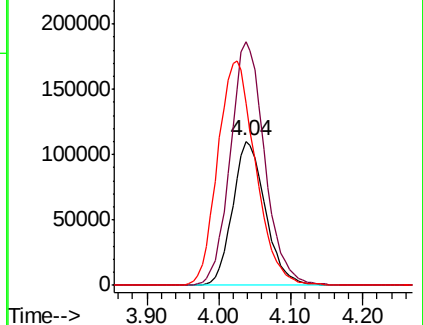
63 126.3 80.7 149.9



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



#13

Acetone

Concen: 4.077 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014388.D

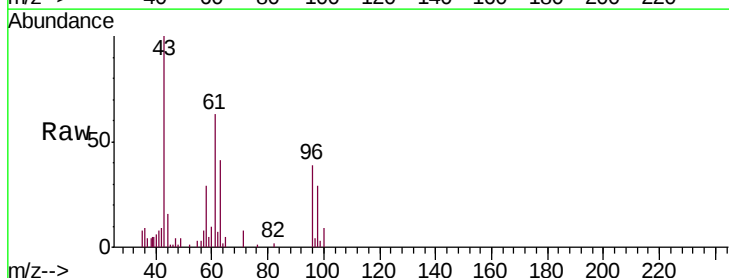
Acq: 17 Dec 2019 13:18

Tgt Ion: 43 Resp: 19635

Ion Ratio Lower Upper

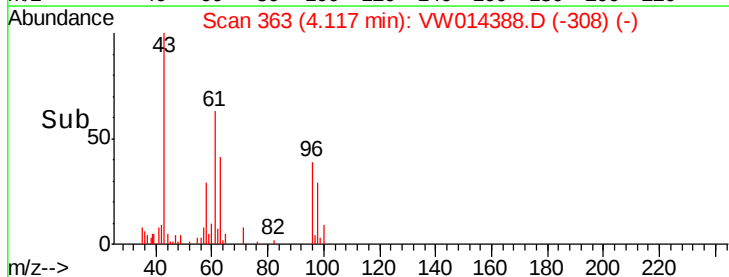
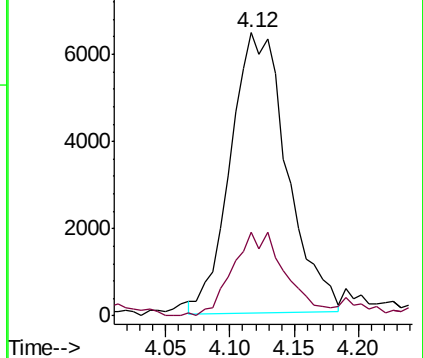
43 100

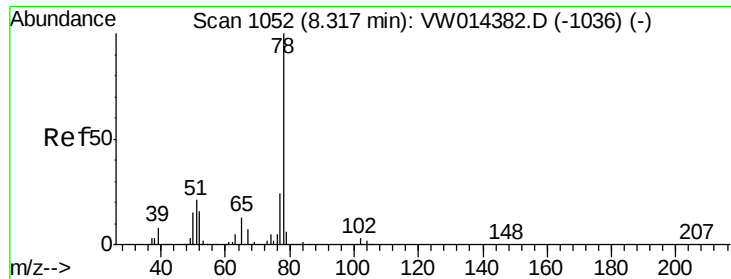
58 15.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#34

Benzene

Concen: 24.670 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014388.D

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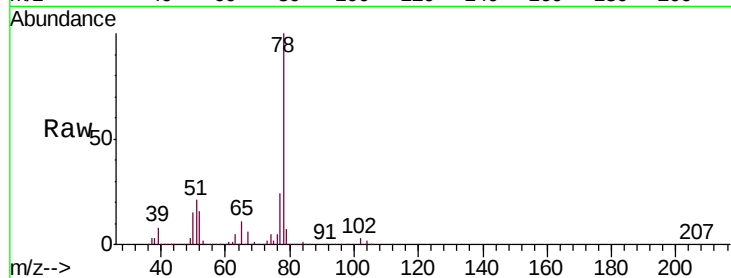
Instrument :

MSVOA_W

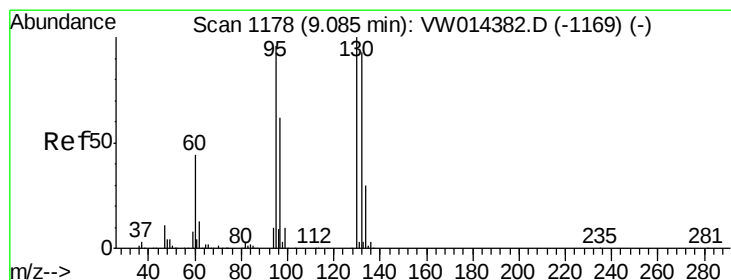
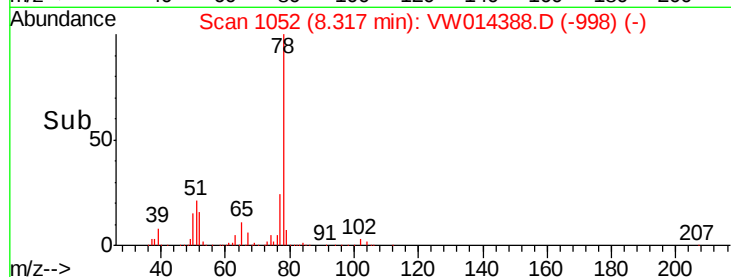
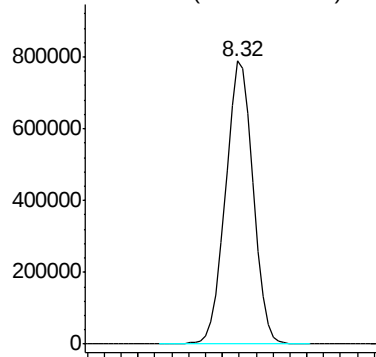
ClientSampleId :

ETK88MSD

Tgt Ion: 78 Resp: 1763059



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.676 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014388.D

Acq: 17 Dec 2019 13:18

Tgt Ion: 95 Resp: 414649

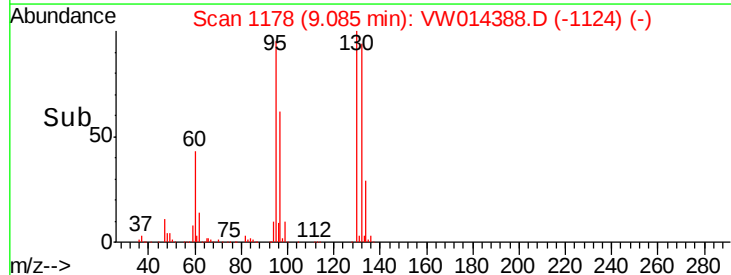
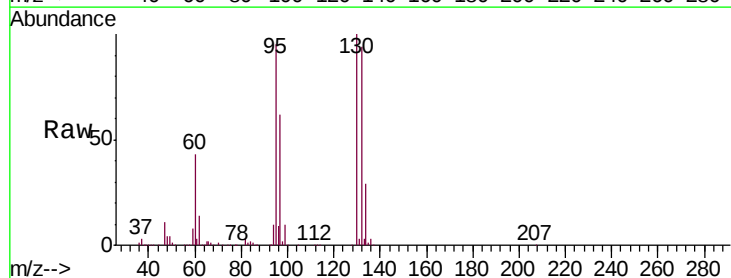
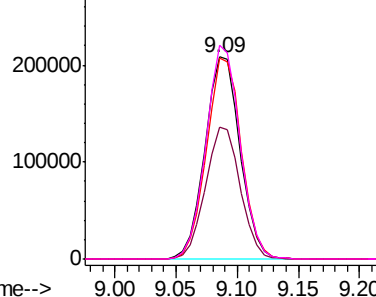
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.9
132	98.7	73.7	136.9
130	102.7	76.6	142.2

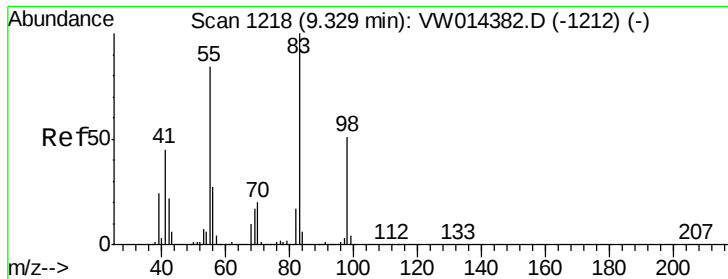
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

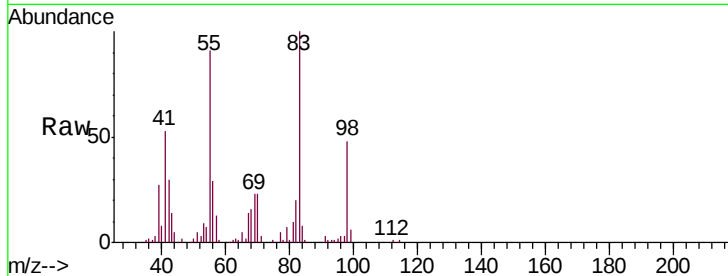




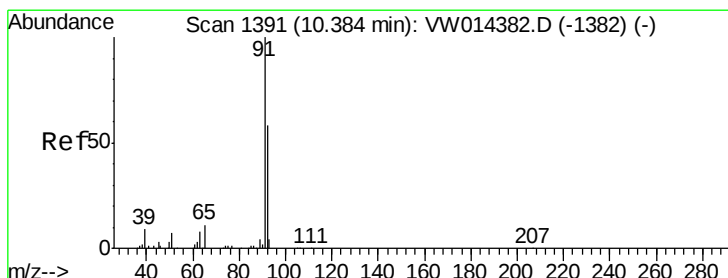
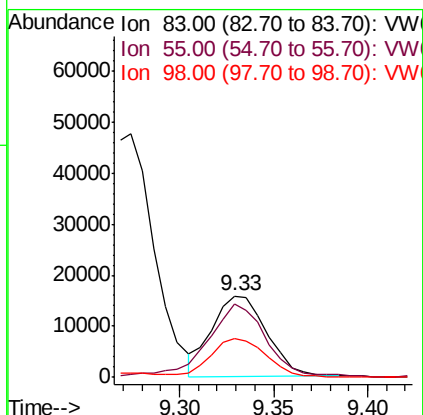
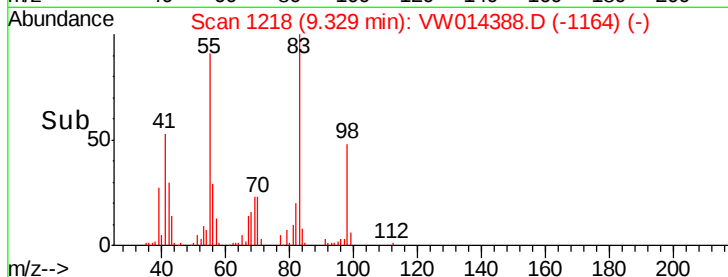
#36
Methylcyclohexane
Concen: 1.027 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014388.D
Acq: 17 Dec 2019 13:18

Instrument :
MSVOA_W
ClientSampleId :
ETK88MSD

Tgt Ion: 83 Resp: 31566
Ion Ratio Lower Upper
83 100
55 98.5 59.8 89.8#
98 49.5 39.5 59.3

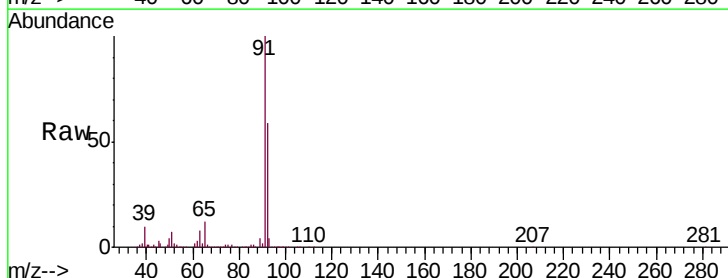


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

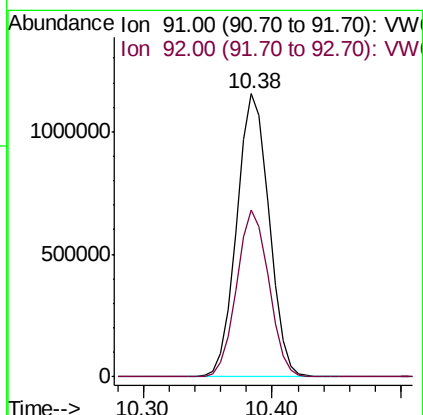
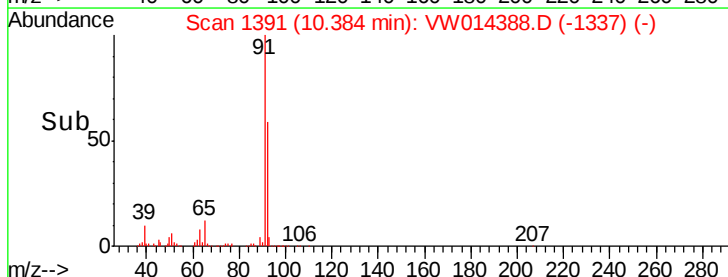


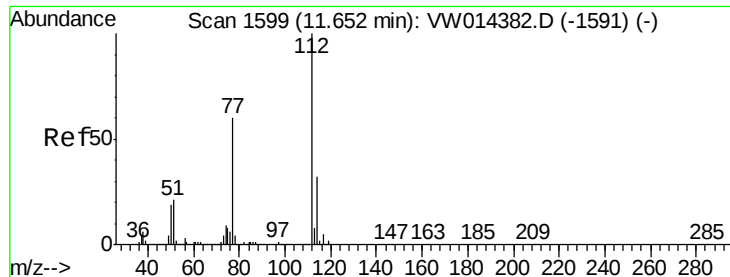
#44
Toluene
Concen: 26.768 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014388.D
Acq: 17 Dec 2019 13:18

Tgt Ion: 91 Resp: 2005610
Ion Ratio Lower Upper
91 100
92 58.9 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 22.471 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014388.D

Acq: 17 Dec 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

ETK88MSD

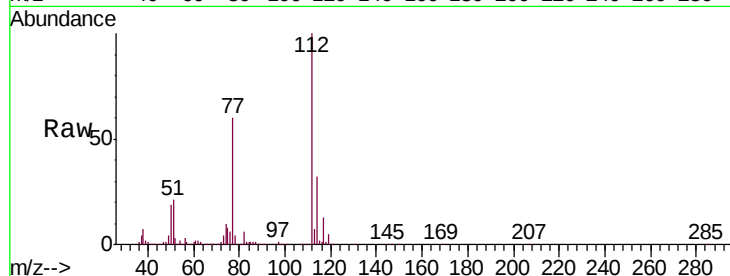
Tgt Ion: 112 Resp: 1088157

Ion Ratio Lower Upper

112 100

77 59.9 42.2 63.4

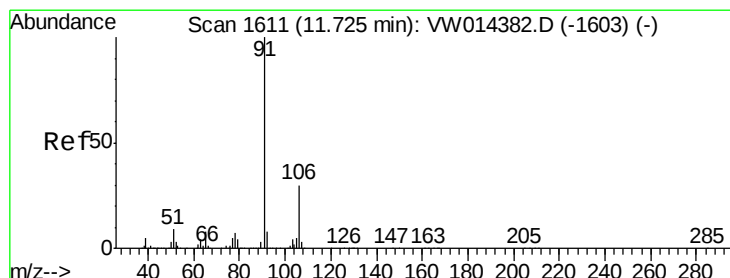
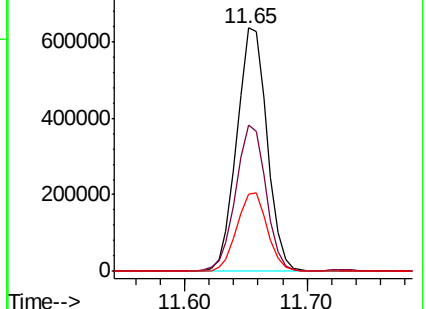
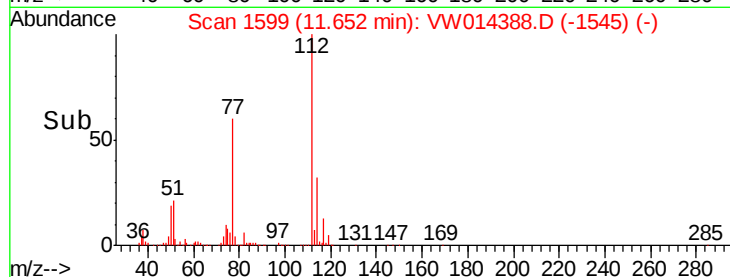
114 31.6 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 1.036 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014388.D

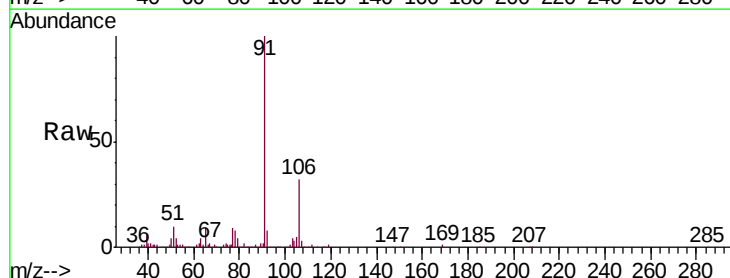
Acq: 17 Dec 2019 13:18

Tgt Ion: 91 Resp: 84246

Ion Ratio Lower Upper

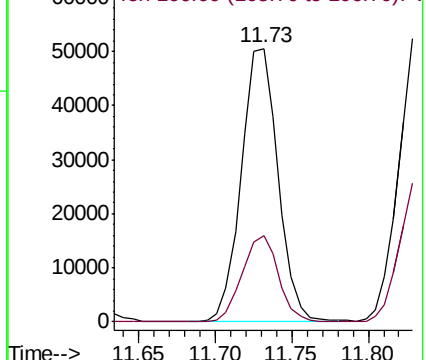
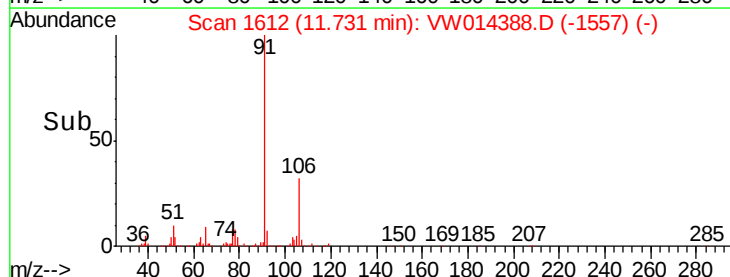
91 100

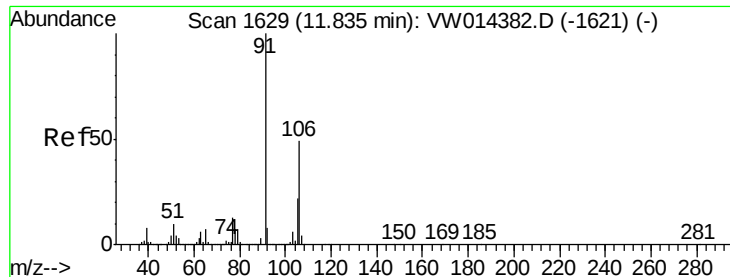
106 31.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.617 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014388.D

Acq: 17 Dec 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

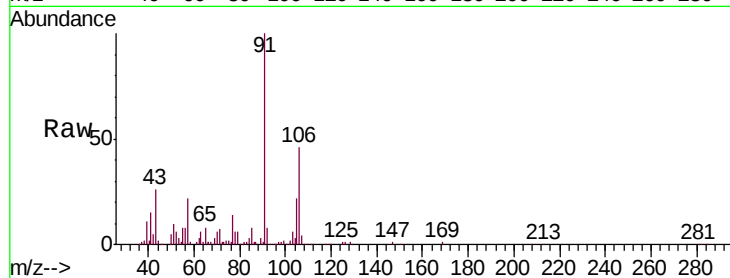
ETK88MSD

Tgt Ion:106 Resp: 50566

Ion Ratio Lower Upper

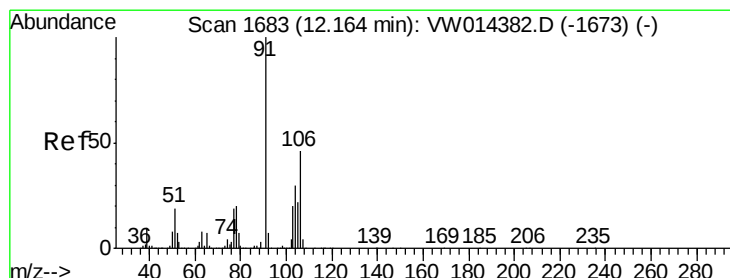
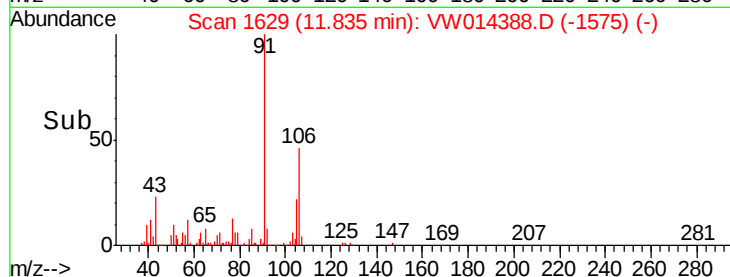
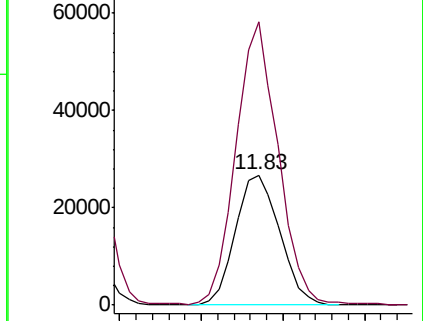
106 100

91 217.6 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.690 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014388.D

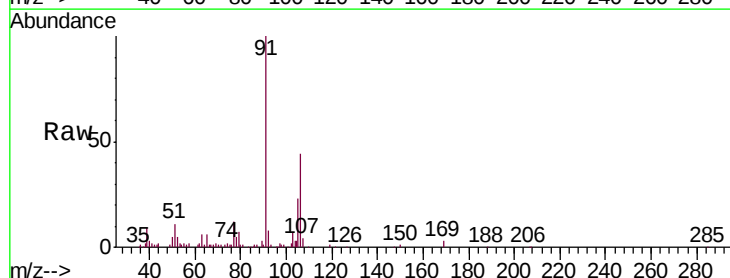
Acq: 17 Dec 2019 13:18

Tgt Ion:106 Resp: 20474

Ion Ratio Lower Upper

106 100

91 228.3 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

